

ARIZONA HEALTH STATUS AND VITAL STATISTICS 2021



ARIZONA DEPARTMENT
OF HEALTH SERVICES

~ Health and Wellness for all Arizonans ~



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State of Arizona**

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ARIZONA

Health Status and Vital Statistics

2021

by

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The vital events for the year 2021 analyzed in this report include birth, death, and fetal death certificates that were received on or before May 1, 2022. The same cutoff date is used for abortion reporting forms received from providers, as well as counts of marriages and dissolutions of marriage reported by the Clerk of the Superior Court in each county in which the marriage or divorce occurred.

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INTRODUCTION

ORGANIZATION OF THE REPORT

This publication by the Arizona Department of Health Services, **Arizona Health Status and Vital Statistics 2021**, is the annual update of information on vital statistics and the health status of Arizona residents. It provides population-wide data on *pregnancies, births, abortions, stillbirths, reportable diseases, deaths, marriages, divorces, hospital inpatient discharges, emergency department visits, and the population* of the state.

The 2021 report highlights both statewide trends as well as inequalities in health by subgroups including race/ethnicity, gender, and county. When possible, the data for 2021 are placed in a temporal context by comparison with the data for preceding years. The information in this volume consists of frequencies and rates of vital events for the state's residents (except as noted).

The updated *Index to Tables* in this report contains entries referring to specific health conditions, risk factors, disease categories, diagnostic groupings, procedures performed on hospital inpatients, and causes of death. The report provides information to monitor a number of indicators including mortality data on emerging topics such as COVID-19, obesity, enterocolitis due to *Clostridium difficile* (an infection associated with healthcare settings), and suicide, as well as information on births, fetal deaths, and abortions used to measure teenage pregnancy.

Since 1992, the report has been organized into three major parts, reflecting differences in geographic coverage:

Part I is concerned with **statewide** statistics, *Part II* presents **county-level** information, and *Part III* is focused on **community-level** data.

The first two parts are further divided into sections on reproductive and perinatal health, mortality, utilization of hospital care, and the status on year 2030 health objectives.

Not all health statistics are available or effectively reported at the community level. Hence, information about pregnancies, stillbirths, abortions, inpatient discharges, emergency room visits, reportable diseases, marriages, and marriage dissolutions is given only for the state and by county.

Part I of the report, **THE STATE**, has four chapters. The first chapter deals with *reproductive and perinatal health*, i.e., characteristics of women who became pregnant, factors related to the course of their pregnancies, and the status of pregnancy outcomes. Much of these data are given for each year from 2011 to 2021. The natality section of this report is concerned with fertility and birth rates, the general health of newborns as indexed by birthweight, prematurity, and selected demographic and prenatal care characteristics of the women giving birth.

The second chapter is focused on *trends and patterns in mortality*. It compares the annual age-adjusted profile of leading causes of death by gender from 2011 to 2021. Urban/rural and racial/ethnic differences in cause-specific mortality are also examined for Arizona residents. The five leading causes of death are discussed for infants (<1 year), children (1-14 years), adolescents (15-19 years), young adults (20-44 years), middle-aged adults (45-64 years), and the elderly (65 or more years). For each age group, cause-specific mortality is compared between urban (Maricopa, Pima, Pinal, and Yuma counties) and rural (Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Mohave, Navajo, Santa Cruz, and Yavapai) regions and between genders by year from 2010 to 2020. Urban and rural regions are compared in gender-specific total mortality. The chapter on mortality concludes with an examination of patterns of premature mortality by gender and race/ethnicity.

Morbidity, or the levels of disease in the population, is the topic of the third chapter. The presentation is limited to data on diseases reported for the entire population of the state by regulatory mandate. Separate sections focus on non-sexually transmitted diseases, sexually transmitted diseases, and human immunodeficiency virus (HIV) and acquired immunodeficiency syndrome (AIDS).

Chapter 4 is focused on *inpatient hospital care*, as well as *emergency room care* in Arizona in 2021. An inpatient discharge occurs when a person who was admitted to a hospital leaves that hospital. A person who has been admitted to the emergency room or as a hospital inpatient more than once in a given calendar year will be counted multiple times as a discharge and included more than once in the hospital discharge data set; thus, the statistics on inpatient hospital care and emergency room care in this report are for discharges, not persons.

The available data are for state-licensed hospitals including psychiatric facilities. Federal, military, and the Department of Veteran Affairs hospitals are not included. All discharges are for the residents of Arizona. Discharges of out-of-state residents are not included in this report.

Beginning in 2008, up to twenty-five diagnoses are coded for each discharge. In sections 4A and 7A, discharges are presented by first-listed (or principal) diagnosis, which is the first listed on the discharge summary of the medical record. The number of first-listed diagnoses is the same as the number of discharges.

The data on the number of procedures in sections 4B and 7B are for inpatients only. Procedures include surgical and non-surgical operations, diagnostic procedures, and special treatments reported on the medical record. Unlike years prior to 2016 where up to six procedures were analyzed for each discharge, in the current report, all the 12 listed procedures are taken into account in the hospital discharge analysis. These all-listed procedures include all occurrences of the procedure regardless of the order on the medical record.

Beginning in 2015, all Arizona hospitals transitioned from the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) to the International Classification of Diseases, 10th Revision, Clinical Modification/ Procedure Coding System (ICD-10-CM/PCS) for coding morbidity causes. The 2015 report included diagnostic groupings and code numbers based on ICD-9-CM for the first three quarters of the year, and ICD-10-CM for the last quarter (October to December). The 2020 report is the fifth of the series to contain diagnosis and procedures codes classified by ICD-10-CM/ICD-10-PCS.

Preceding the tabulated data in the first four chapters is a narrative description of the findings. This description is not meant to be exhaustive but rather is a presentation of the major highlights to be gleaned from the data.

Part II and Part III contain information with no accompanying narrative.

Part II, **THE COUNTIES**, presents the tabulated data on 1) trends and patterns in health status and vital statistics by county of residence in Chapter 5, and 2) county profiles and statewide trends on indicators for assessing health status and monitoring Arizona's progress toward Healthy People 2030 objectives in Chapter 6. The health indicators are organized around ten subject areas: *maternal, infant, and child health, responsible sexual behavior, vaccine preventable diseases, injury and violence, cancer, diabetes,*

heart disease and stroke, respiratory diseases, human immunodeficiency virus (HIV) disease, and substance abuse; 3) hospital inpatient and emergency room statistics by disease category, diagnosis group, and all-listed procedures by patient's county of residence in Chapter 7 and; 4) selected historical vital events including births, deaths, infant deaths, marriages, and dissolutions of marriage by year and county in the state for 1970-2010 in Chapter 8.

Part III, **THE COMMUNITIES**, provides readers with selected community-level data by Primary Care Areas on live births and deaths in Arizona in 2021 (Chapter 9). In addition to the community-level data provided herein, a wealth of health and health-related information is now available at the Arizona Department of Health Services Community Profiles Dashboard: <http://www.azdhs.gov/phs/phstats/profiles/index.php>.

Chapter 10 presents population denominators for Arizona by gender, age groups, county of residence, and race/ethnicity.

To use **Arizona Health Status and Vital Statistics 2021** effectively, the reader should become familiar with the *Technical Notes* at the end of the report. They provide definitions of terms used in the report, as well as information about the sources of data. *Technical Notes* also provide a link to detailed comparability ratios used to make comparisons between cause-of-death data classified by the Ninth and Tenth Revisions of the International Classification of Diseases.

The **Arizona Health Status and Vital Statistics 2021** report, as well as previously published reports for 2000-2019, are available online at: <http://pub.azdhs.gov/health-stats>.

FEATURES OF 2021 REPORT

THE 2003 REVISED BIRTH CERTIFICATE

On January 1, 2014, The Arizona State Vital records implemented the 2003 U.S. Certificate of live birth, a revised version of the 1989 Standard Certificate of birth. The 2021 Health Status report covered the eighth year of data collected using the 2003 Standard Certificate of birth. The revised birth certificate introduced new items, and significant changes in content and format of pre-existing fields. Due to these amendments, items such as, mother's education, month prenatal began, pregnancy weight gain, and tobacco use during pregnancy, while in the 1998 certificate are not comparable between versions. *Mother's educational attainment* as collected on the revised birth certificate captures the highest degree or level of education completed by the mother based on a collapsed

set of eight categories, consistent with the Census classifications. This represents a change from the 1998 certificate in which mother's education was categorized in 17 response categories according to the number of years of school attended.

Month prenatal care began is no longer directly reported using date of first prenatal visit, but rather computed from the date of the last menstrual period and the date of the first prenatal care visit. Due to significant changes in how *month prenatal care* is calculated, the percent of births to mothers who received first trimester prenatal care is not comparable to previous years.

Pregnancy weight gain is no longer collected using total pregnancy weight gain. The 2003 birth certificate provides more detailed information to allow measurement of gestational weight gain specific to a woman's pre-pregnancy body mass index (BMI). Mother's height, pre-pregnancy weight, and weight at delivery are new items included in the revised birth certificate, making the assessment of prescribed gestational weight gain in relation to pre-pregnancy BMI possible.

Smoking during pregnancy as collected on the 2003 birth certificate captures the level of smoking before and during pregnancy. Smoking status is derived from the average number of cigarettes the mother reported smoking in the first, second and last trimester of the pregnancy. Mothers who reported smoking any number of cigarettes during pregnancy are considered smokers.

The 2003 revision of the birth certificate has also introduced some major changes on the following reported items: *medical risk factors in the pregnancy, obstetric procedures, characteristics of labor and delivery, method of delivery, abnormal conditions of the newborn, and congenital anomalies*. Several checkboxes included in these categories were revised or are completely new to the 2003 form. For more information see http://www.cdc.gov/nchs/nvss/vital_certificate_revisions.htm.

Due to changes on the selected items, the data prior to 2014 may not be comparable to the 2014 data and onward.

CELL SUPPRESSION

The 2021 *Arizona Health Status and Vital Statistics* report is the tenth report in this series to include cell suppression. Using suppression rules similar to those used by the National Center for Health Statistics (NCHS), this report attempts to maintain the anonymity of the individuals whose vital records are summarized herein.

Cell suppression is a method of removing potentially identifiable information from tables. In cell suppression, the first task is *primary suppression*, or removing non-zero counts in the body of a table that fall below a certain number. Primary cells that were less than six but greater than zero were suppressed and identified with an asterisk (*). Next, *secondary suppression* is used to obfuscate the totals or sums with components, or *addends* that fall below the threshold for primary suppression. These totals are typically reported in the margins of table rows and columns. Column or row totals that contained a non-zero addend less than 6 were rounded to the nearest tens-unit and identified with a dagger (†). Rates, ratios, and percentages that were based on a non-zero numerator less than six were suppressed and identified with a double asterisk (**). In certain cases where these rules would have dictated the rounding of a row or column total, or suppression of an overall rate/ratio/percentage, but the value of the information contained in the total was identified as important or attainable from other sources, these rules were relaxed and the original value was reported.

BRIDGING RACE/ETHNICITY

To calculate the rates used in this report, it was necessary to standardize race and ethnicity for both the vital events (in the birth, death, and fetal death data) and the population denominators. In these data sources, information on race and ethnicity is collected and categorized in a number of different ways, requiring a standard method of classifying race and ethnicity.

To create frequency counts of race and ethnicity that were adequate to compute statistically reliable rates, race was "bridged," or essentially collapsed into 5 categories; White non-Hispanic, Hispanic or Latino, Black or African American, Native American or Alaska Native, and Asian or Pacific Islander. When an individual was identified as both Hispanic and any other race, that person was included in the racial/ethnic group with the lowest population. For example, a person identified as both White and Hispanic would be coded as Hispanic, whereas a person identified as American Indian and Hispanic would be coded as American Indian. Please refer to the technical appendix for further explanation of the racial bridging used in this report.

THE IMPLEMENTATION OF THE INTERNATIONAL CLASSIFICATION OF DISEASE, TENTH REVISION

On October 1, 2015, the International Classification of Diseases, Tenth Revision, Clinical Modification/Procedure Coding Systems (ICD-10-CM/PCS) was implemented in replacement of the International Classification of

Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) for reporting medical diagnoses and inpatient procedures in healthcare settings. ICD-10-CM represents an expansion of ICD-9-CM both in content and structure of the codes used to describe the severity and complexity of various diseases and injuries. Disease classification has been revised and some conditions have been reclassified into new chapters. For example, ICD-9-CM category *diseases of the nervous system and sense organs* has been restructured into three ICD-10-CM chapters: *diseases of the nervous system*, *diseases of the eye and adnexa*, and *diseases of the ear and mastoid*. Several codes have been added in ICD-10-CM to provide a comprehensive description of the etiology, anatomic site, and severity of a health condition/injury, and some terminology has changed to reflect latest technology, current medical terms, and diseases discovered since the implementation of ICD-9-CM. In some cases, some codes have been combined to report the disease and common manifestations in a single code. For example, ICD-9-CM codes 415.11 (*Iatrogenic pulmonary embolism and infraction*) and 415.12 (*Septic pulmonary embolism*) have been merged into I26.90 (*Septic pulmonary embolism without acute cor pulmonale*) in ICD-10-CM.

Furthermore, ICD-10 codes have more character length, up to seven characters compared to three to five characters in ICD-9-CM. The seventh character code can be used to classify an initial encounter, subsequent encounter, or late effect (sequelae) and is predominantly used in the *injury* codes but can also be found in *musculoskeletal* and *obstetrics* sections. Another feature that distinguishes ICD-10-CM from ICD-9-CM is laterality, a dimension identifying right, left or bilateral anatomy sites. This is critical in a sense it adds specificity to the information captured in the coding. For example, if a patient is seen for treatment of an injury on the left knee, the ICD-9 diagnosis code does not specify that the injury is on the left knee. If the patient is seen weeks later for another injury on the right knee, the same ICD-9 diagnosis code would be used to report that injury, which may complicate medical claim processing.

Similar to the diagnostic codes (ICD-10-CM), the procedure codes (ICD-10-PCS) have been expanded in greater detail to incorporate the complexity of inpatient procedures. All these changes in ICD coding system lead to a substantial increase in number of diagnostic codes in ICD-10-CM, with more than 69,000 codes compared with 14,025 in ICD-9-CM and about 71,000 procedure codes in ICD-10-PCS versus 3,824 in ICD-9-CM.

In the current report, the diagnostic and procedures codes for inpatient and Emergency

Room (ER) visits data are based on ICD-10-CM/PCS implemented on October 1, 2015. The transition to ICD-10-CM/PCS has some impact on comparability of hospital discharge data and continuity of statistical trends. Any comparison of hospital discharge events compiled in the current report and prior years' discharge events should take into account the differences between the classification systems.

KEY FINDINGS

STABILITY IN NUMBER OF RESIDENT BIRTHS

In 2021, there were 77,857 resident births, an increase of 1.4 percent from the previous year's 76,781 births. Compared to 2020, the number of births decreased for only American Indian or Alaska Natives (4.4 percent), Black or African Americans increased (0.6 percent), Hispanics (1.3 percent), Asians or Pacific Islanders (1.7 percent), and White non-Hispanics (2.3 percent).

SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS IN 2021

Among Arizona women who gave birth in 2021:

- 36,163 births (46.4 percent) were paid for by the Arizona Health Care Cost Containment System (AHCCCS).
- 35,169 (45.2 percent) of births were to unmarried mothers, which may signify absence of emotional, social, and financial resources.
- 24,254 (31.2 percent) of births were to women who experienced complications during labor and/or delivery.
- 19,523 (25.1 percent) of births occurred to women who received late or no prenatal care.
- 22,606 (29.0 percent) of births were to women who had a serious medical condition such as hypertension, diabetes, or sexually transmissible diseases.
- 3,580 (4.6 percent) of births were to teenagers 19 years old or younger.
- 2,485 (3.2 percent) of births were to women who smoked during pregnancy.

TEEN PREGNANCIES

In 2021, both the number of teen pregnancies among females 19 years or younger (4,912) and the teen pregnancy rate (10.6) were the lowest they have been since at least 1990 (the earliest information that could be found). From 2011 to 2021 the number of teen pregnancies decreased by 52.2 percent and the pregnancy rate decreased by 53.9 percent. The number of teenage pregnancies declined to 47.8 percent from their 2011 levels.

Teenage females received more abortions in 2021 (1,299) than in 2020 (1,218), but fewer

than the highest amount recorded which was in 2011 (1,785).

TOTAL MORTALITY

During 2021, 81,482 Arizona residents died, 5,782 more than in 2020. The 2021 age-adjusted mortality rate increased from 842.2 per 100,000 residents in 2020 to 882.6 per 100,000 residents in 2021. The median age at death in 2021 was 74.0 years.

INFANT MORTALITY

In 2021, 430 infants died before reaching their first birthday, 271 fewer than the latest peak of 701 infant deaths in 2007. The 2021 infant mortality rate (IMR) of 5.5 represents an increase from the rate of 5.3 infant deaths per 1,000 live births recorded in 2020.

Newborn weight at birth is one of the most important predictors of an infant's survival chances. In 2021, the mortality rate among babies weighing less than 500 grams at birth was 92.0 per 100 newborns. Together, infants with low birth weight (weighing less than 2,500 grams) accounted for 7.9 percent of births and 64.4 percent of all infant deaths.

CAUSE-SPECIFIC MORTALITY

In 2021, there were 561 deaths due to **homicides**, an increase of 6.7 percent from 2020. **Drug-induced** fatalities increased by 7.1 from 2,668 deaths in 2020 to 2,858 in 2021. Deaths caused by opioids have claimed the lives of 1,963 Arizonans in 2021, an increase from 1,884 deaths in 2020. In 2021, 302 Arizonans died from **obesity** as the underlying (primary) cause of death, a 24.3 percent increase from 2020. The number of completed **suicides** increased from 1,359 in 2020 to 1,470 in 2021. Males accounted for 80.2 percent of suicides. The age-adjusted suicide rate increased from 18.2 suicides per 100,000 in 2020 to 19.4 per 100,000 in 2021.

The number of deaths due to **diabetes** decreased from 2,563 deaths in 2020 to 2,557 in 2021. In 2021, in addition to the 2,563 deaths that had diabetes assigned as the underlying cause, another 6,176 deaths had diabetes assigned as a contributing factor. COVID-19 data collection began in mid-March 2020, and continues to be the third leading underlying cause of death with 12,693 deaths among Arizona residents. Men accounted for 59.3 percent of COVID-19 deaths. Elderly Arizonans (65+) years of age accounted for 66.3 percent of COVID-19 deaths.

HOSPITAL CARE

In 2021, there were 678,607 inpatient discharges, excluding newborn infants, from non-Federal short stay hospitals in Arizona.

Among those admitted as inpatients, 1,584 hospitalizations were primarily (i.e. listed as the first diagnosis) due to **enterocolitis**, a bacterial inflammation of the intestines. **Enterocolitis due to Clostridium difficile** is a disease of growing public health concern because it is often acquired in hospitals and other health care institutions with long-term patients as residents. **Manic-depressive disorders** resulted in 41,564 hospitalizations while 25,532 inpatient discharges were recorded for **depression**. In 2021, 38,827 hospitalizations listed COVID-19 as the first-listed diagnosis with 82.3 percent of discharges recording an age of 45 years and older.

EMERGENCY ROOM CARE

During 2021, about 2.3 million visits were made by Arizona residents to hospital emergency rooms (ER), representing approximately 31.0 visits per 100 persons. In 2021, **abdominal pain, chest pain, COVID-19, superficial injuries, mental disorders, acute upper respiratory infection, and spinal disorders**, were the leading diagnostic categories, accounting for approximately one-fourth (27.3 percent) of all the ER visits.

A total of 2,001 Arizonans, were treated in an emergency room with the diagnosis of **exposure to excessive natural heat**.

A comparison of some of the basic findings for the state for 2011, 2016, and 2021 is presented on the following page.

**COMPARISON
OF SELECTED VITAL STATISTICS FOR ARIZONA RESIDENTS, 2011, 2016, and 2021**

| | 2011 | 2016 | 2021 |
|------------------------------------------------|-------------|-------------|-------------|
| POPULATION Total, all ages | 6,438,178 | 6,835,518 | 7,285,370 |
| Females aged 15-44 | 1,271,867 | 1,320,640 | 1,400,998 |
| Elderly 65+ | 887,953 | 1,122,454 | 1,347,800 |
| MARRIAGES | 36,713 | 41,105 | 39,453 |
| Marriage rate per 1,000 population | 5.7 | 6.0 | 5.4 |
| DIVORCES | 25,438 | 23,442 | 19,680 |
| Divorce rate per 1,000 population | 4.0 | 3.4 | 2.7 |
| PREGNANCIES Total, all ages | 99,266 | 98,060 | 92,280 |
| Teen* pregnancies | 10,269 | 6,724 | 4,912 |
| Teen* pregnancy rate per 1,000 females | 23.0 | 14.9 | 10.6 |
| BIRTHS Total, all ages | 85,190 | 84,404 | 77,857 |
| Birth rate per 1,000 population | 13.2 | 12.3 | 10.7 |
| Teen* births | 8,435 | 5,390 | 3,580 |
| Teen* birth rate per 1,000 females | 18.9 | 12.0 | 7.8 |
| Births to unmarried mothers | 37,780 | 37,843 | 35,169 |
| Births to unmarried mothers per 100 births | 44.3 | 44.8 | 45.2 |
| Low-birthweight (LBW) births | 5,949 | 6,186 | 6,140 |
| LBW ratio per 100 births | 7.0 | 7.3 | 7.9 |
| Multiple births | 2,397 | 2,647 | 2,313 |
| DEATHS Total deaths, all causes & ages | 47,547 | 56,480 | 81,482 |
| Death rate per 100,000 population | 738.5 | 826.3 | 1118.4 |
| Infant deaths | 504 | 454 | 430 |
| Infant mortality rate per 1,000 births | 5.9 | 5.4 | 5.5 |
| SIDS (Sudden Infant Death Syndrome) deaths | 25 | 7 | 13 |
| Maternal deaths | 5 | 26 | 38 |
| Deaths from cardiovascular diseases | 13,689 | 15,822 | 19,581 |
| Deaths from breast cancer among females | 741 | 844 | 956 |
| Deaths from lung cancer | 2,654 | 2,689 | 2,595 |
| Deaths from Alzheimer's disease | 2,336 | 3,081 | 2,754 |
| Deaths from influenza and pneumonia | 649 | 859 | 933 |
| Deaths from morbid obesity | 161 | 193 | 302 |
| Deaths from diabetes | 1,721 | 2,013 | 2,557 |
| Suicides, total | 1,113 | 1,256 | 1,470 |
| Elderly suicides | 182 | 287 | 338 |
| Teen** suicides | 50 | 56 | 67 |
| Homicides, total | 387 | 416 | 561 |
| Teen** homicides | 29 | 34 | 63 |
| Deaths from HIV disease | 99 | 96 | 94 |
| Deaths from motor vehicle-related injuries | 787 | 967 | 1,359 |
| Firearm-related deaths | 952 | 1,084 | 1,364 |
| Drug-induced deaths | 1,062 | 1,463 | 2,858 |
| Accidental drowning deaths, all ages | 86 | 105 | 115 |
| Drowning among children 0-4 years old | 22 | 21 | 29 |
| Deaths from exposure to excessive natural heat | 57 | 99 | 194 |
| Deaths from exposure to excessive natural cold | 22 | 21 | 24 |
| ABORTIONS Total, all ages | 13,606 | 13,170 | 13,896 |
| Abortions to teens* | 1,785 | 1,297 | 1,299 |
| FETAL LOSSES Total, all ages | 470 | 482 | 527 |
| Among pregnant teens* | 49 | 37 | 33 |

Notes: * 19 years old or younger; ** 15-19 years old.

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Part I:

THE STATE

CHAPTER 1

REPRODUCTIVE AND PERINATAL HEALTH, ARIZONA, 2011-2021

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



1A.

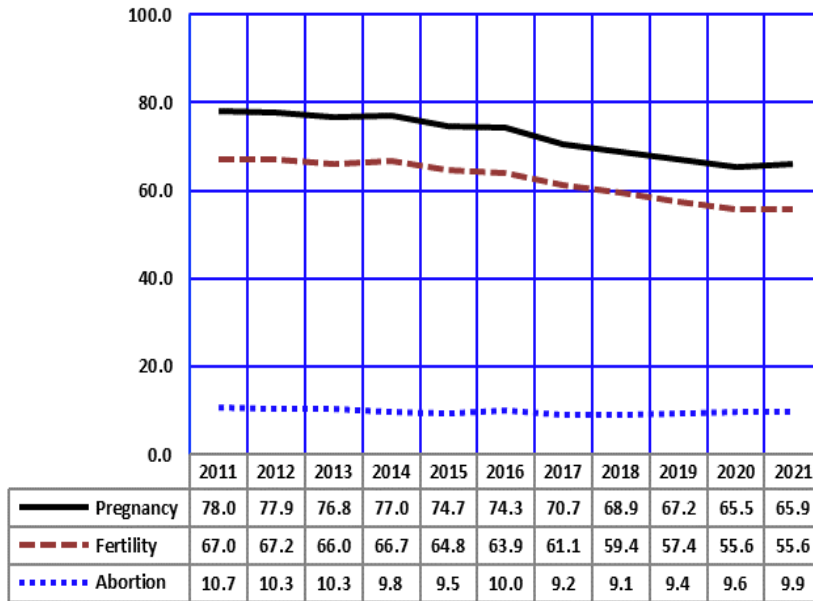
PREGNANCIES BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND AGE GROUP

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 92,280 pregnancies in 2021 compared to 90,444 pregnancies in Arizona in 2020, 98,060 in 2016, and 99,266 in 2011. The number of resident live births increased by 1.4 percent, from 76,781 in 2020 to 77,857 (**Table 1A-1**). The number of reported abortions increased by 5.4 percent, from 13,186 in 2020 to 13,896 in 2021. The number of reportable spontaneous fetal losses increased 10.5 percent, from 477 in 2020 to 527 in 2021.

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

Figure 1A-1
Pregnancy, Fertility, and Abortion Rates^a by Outcome and Year among Females of Childbearing Ages (15 – 44 years), Arizona, 2011-2021



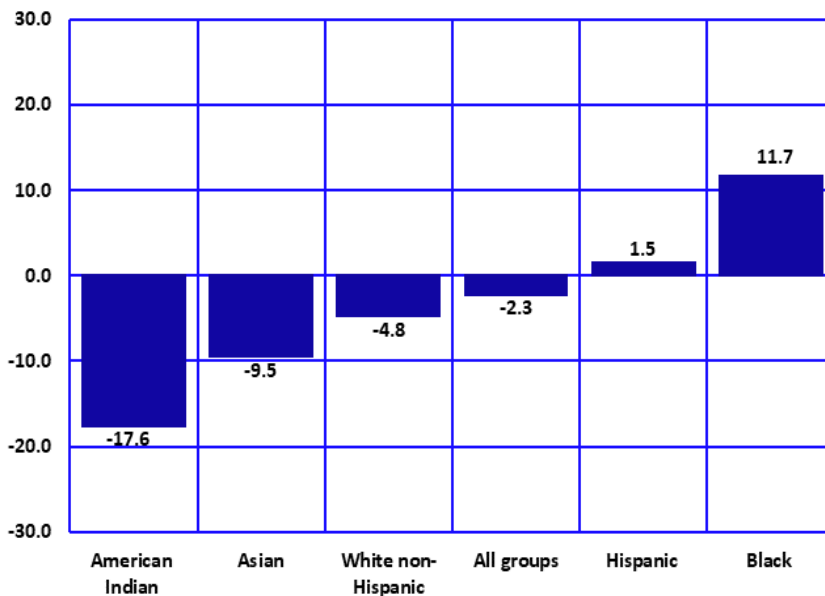
Note: ^a All rates per 1,000 females in specified age group.

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 slightly increased from 65.5 pregnancies per 1,000 females of childbearing age in 2020 to 65.9 pregnancies per 1,000 females of childbearing age in 2021 (**Figure 1A-1, Table 1A-1**).

The fertility rate (the number of births per 1,000 women of childbearing age) remained the same at 55.6 in 2020 and 2021. In 2021, the fertility rate was 17.0 percent lower than the high rate recorded in 2011.

The abortion rate (the number of abortions per 1,000 women of childbearing age) increased 3.1 percent, from 9.6 per 1,000 women of childbearing age in 2020 to 9.9 in 2021.

Figure 1A-2
Percent Change from 2017 to 2021 in the Number of Pregnancies by Woman's Race/Ethnicity, Arizona



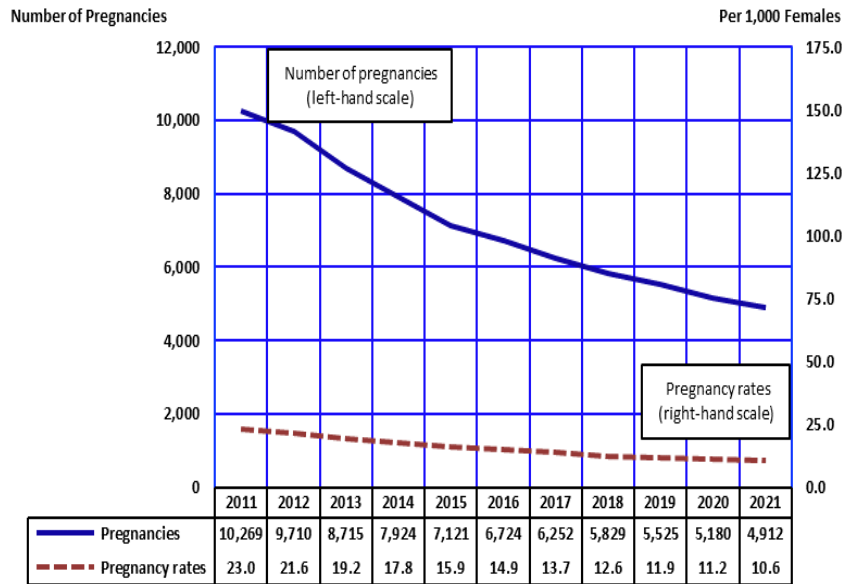
Overall, pregnancies in Arizona decreased 2.3 percent from 2017 to 2021. The changes in number of pregnancies varied by race/ethnicity. Between 2017 and 2021, while American Indian females (17.6 percent), Asian (9.5), and White non-Hispanic (4.8 percent), experienced a decrease in number of pregnancies, Black females (11.7 percent) and Hispanic (1.5) witnessed an increase in their pregnancy counts (**Figure 1A-2, Table 1A-1**).

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

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 52.2 percent from 10,269 in 2011 to 4,912 in 2021 (Figure 1A-3). The teen pregnancy rate declined even more, by 53.9 percent, from 23.0 pregnancies per 1,000 females 10-19 years in 2011 to 10.6 per 1,000 females in 2021. The number of teenage pregnancies and the teen pregnancy rate of 2021 were the lowest recorded since at least 1980.

Figure 1A-3
Trends in the Number of Pregnancies and Pregnancy Rates^a among Females 19 or Younger, Arizona, 2011-2021

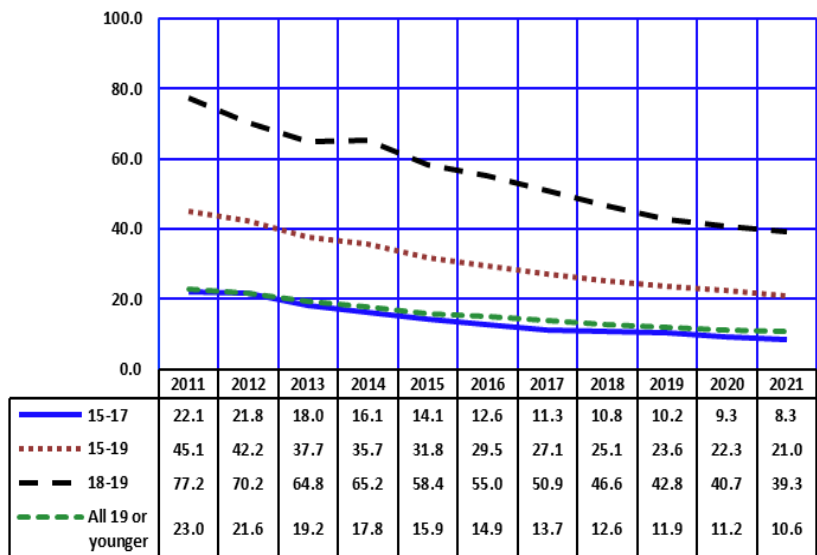


Note: ^a Pregnancy rate is the number of pregnancies per 1,000 females in specified age group.

The pregnancy rate for Arizona teenagers 15-19 years old in 2021 was 21.0 pregnancies per 1,000 females (Figure 1A-4, Table 5A-2), 5.8 percent lower than in 2020 and 53.4 percent lower than in 2011. The pregnancy rate for younger teenagers 15-17 years old declined by 62.4 percent (Table 1A-3) from 22.1/1,000 in 2011 to 8.3 /1,000 in 2021. The pregnancy rate for older teenagers 18-19 years old declined by 49.1 percent from 77.2/1,000 in 2011 to 39.3/1,000 in 2021 (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.

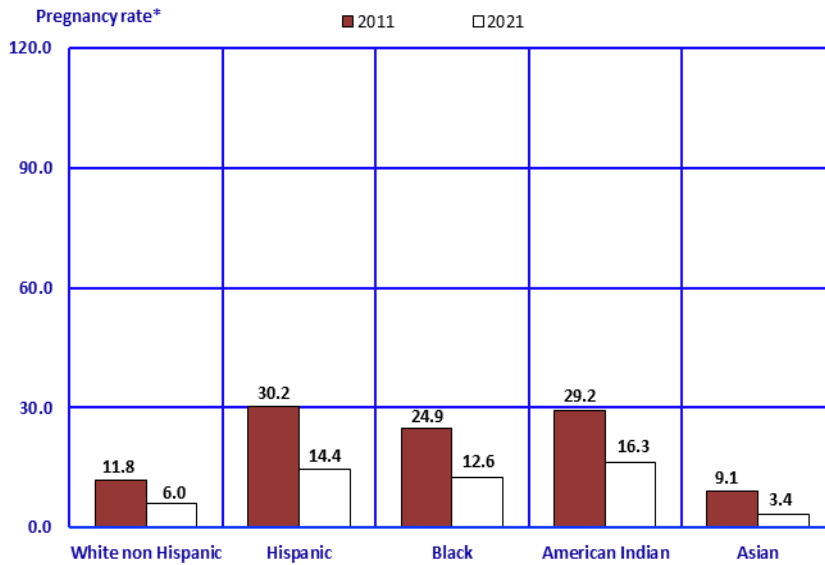
Figure 1A-4
Pregnancy Rates^a by Age Group and Year among Females 19 or Younger, Arizona, 2011-2021



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

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

Figure 1A-5
Comparison of Pregnancy Rates^a by Race/Ethnicity and Year among
Females 19 or Younger in Arizona, 2011 and 2021



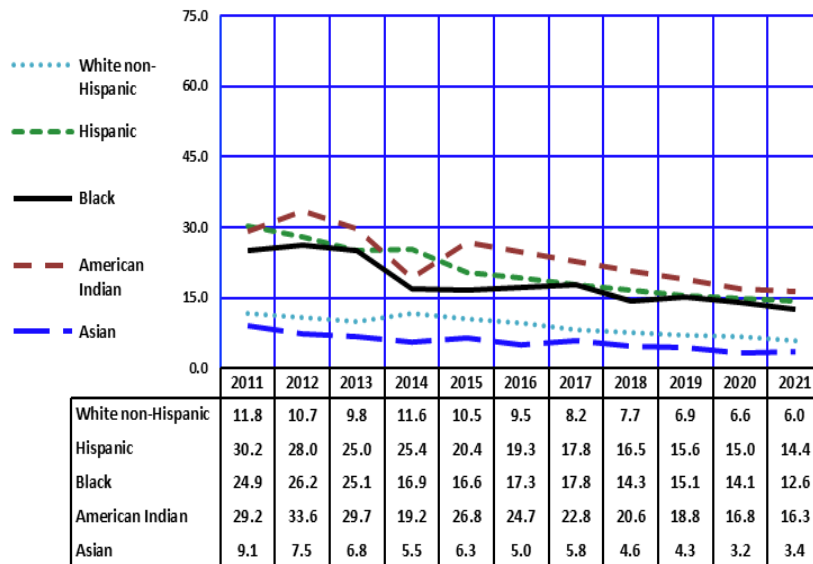
Teen pregnancy rates differ by race/ethnicity.

Between 2011 and 2021, 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 62.6 percent drop from 2011 to 2021. The Hispanic teenage pregnancy rate decreased greatly also, by 52.3 percent from 30.2 in 2011 to 14.4 in 2021.

The changes in annual teen pregnancy rates from 2011 to 2021 are shown in detail below.

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

Figure 1A-6
Pregnancy Rates^a by Race/Ethnicity and Year among Females
19 or Younger, Arizona, 2011-2021



The teen pregnancy rates for all racial/ethnic groups were lower in 2021 than in 2011 (**Figure 1A-6**). Compared to 2011, the teen pregnancy rate declined substantially, by more than half when all racial/ethnic groups were combined.

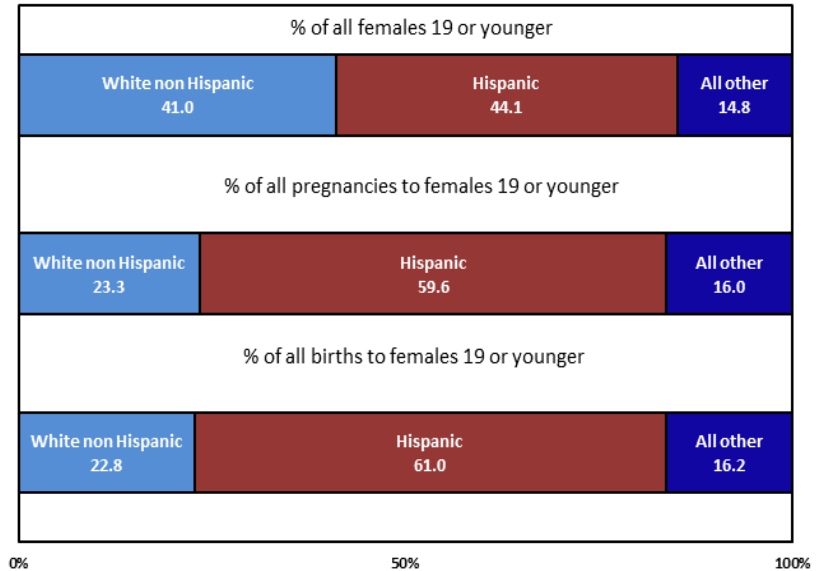
From 2020 to 2021, teenage pregnancy rates decreased for all race/ethnic groups except for Asians, which increased (6.2 percent). The decline was greater among Black females (10.6 percent), White non-Hispanic (9.1 percent), Hispanic (4.0 percent), and American Indian (3.0 percent).

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

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

Figure 1A-7
Proportional Contribution by Race/Ethnicity to Pregnancies and Live Births among Females 19 or Younger, Arizona, 2021

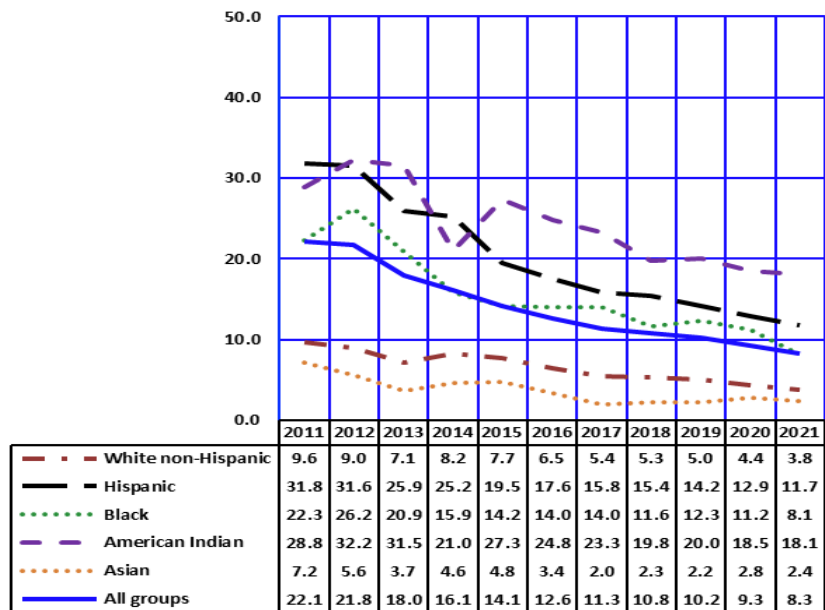
In 2021, Hispanic females accounted for approximately 44.1 percent of all females 10-19 years old in Arizona. As in the past, they accounted for a large percentage of teen pregnancies (59.6 percent) and live births (61.0 percent; **Figure 1A-7**). In contrast, White non-Hispanic females made up 41.0 percent of all females 10-19 years old in Arizona, but had a lower proportional contribution to teen pregnancies (23.3 percent) and live births (22.8 percent). Note: percentages are based on the number of pregnancies and births in **Table 1A-5**.



0% 50% 100%

Figure 1A-8
Pregnancy Rates^a by Race/Ethnicity and Year among Females 15-17 Years: 2011-2021

The 2021 pregnancy rate among females 15-17 was the highest in American Indian females at 18.1 pregnancies per 1,000 females in the specified age group. The pregnancy rate among females 15-17 years in 2021 were also lower than in 2020 for all race/ethnicity categories. This similarly follows a trend of a significant decline seen since 2011 in **(Figure 1A-8)**.



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

**TABLE 1A-1
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR WITH RATES^b, ARIZONA, 2011-2021**

| Race/ethnicity Pregnancy outcome | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2021 Rates |
|-----------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------|
| WHITE^c NON-HISPANIC, total: | 40,871 | 40,769 | 40,982 | 45,864 | 43,758 | 43,287 | 40,654 | 39,921 | 39,103 | 37,971 | 38,710 | 59.6 |
| Births | 38,294 | 38,670 | 38,220 | 40,097 | 38,180 | 37,762 | 35,685 | 34,909 | 34,118 | 33,101 | 33,851 | 52.1 |
| Abortions | 2,385 | 1,904 | 2,515 | 5,562 | 5,378 | 5,321 | 4,762 | 4,807 | 4,798 | 4,684 | 4,645 | 7.1 |
| Fetal deaths | 192 | 195 | 247 | 205 | 200 | 204 | 207 | 205 | 187 | 186 | 214 | 0.3 |
| HISPANIC OR LATINO, total: | 36,853 | 36,720 | 37,469 | 38,396 | 38,841 | 38,892 | 38,001 | 37,848 | 37,864 | 37,385 | 38,570 | 72.1 |
| Births | 32,398 | 33,146 | 33,075 | 33,715 | 34,264 | 33,874 | 33,191 | 32,995 | 32,575 | 31,859 | 32,288 | 60.4 |
| Abortions | 4,274 | 3,393 | 4,189 | 4,499 | 4,350 | 4,823 | 4,639 | 4,679 | 5,093 | 5,349 | 6,080 | 11.4 |
| Fetal deaths | 181 | 181 | 205 | 182 | 227 | 195 | 171 | 174 | 196 | 177 | 202 | 0.4 |
| BLACK OR AFRICAN AMERICAN^d, total: | 4,538 | 4,867 | 4,955 | 5,551 | 5,485 | 5,688 | 5,838 | 5,926 | 6,295 | 6,410 | 6,521 | 79.7 |
| Births | 4,366 | 4,715 | 4,726 | 4,522 | 4,361 | 4,388 | 4,595 | 4,655 | 4,865 | 4,766 | 4,795 | 58.6 |
| Abortions | 145 | 116 | 189 | 981 | 1,074 | 1,253 | 1,196 | 1,229 | 1,372 | 1,594 | 1,662 | 20.3 |
| Fetal deaths | 27 | 36 | 40 | 48 | 50 | 47 | 47 | 42 | 58 | 50 | 64 | 0.8 |
| AMERICAN INDIAN OR ALASKA NATIVE^e, total: | 5,921 | 5,650 | 5,577 | 5,483 | 5,355 | 5,406 | 5,254 | 5,060 | 4,843 | 4,500 | 4,331 | 65.7 |
| Births | 5,830 | 5,569 | 5,476 | 5,145 | 4,984 | 5,030 | 4,866 | 4,709 | 4,462 | 4,087 | 3,906 | 59.2 |
| Abortions | 48 | 38 | 61 | 291 | 331 | 340 | 348 | 315 | 344 | 372 | 399 | 6.0 |
| Fetal deaths | 43 | 43 | 40 | 47 | 40 | 36 | 40 | 36 | 37 | 41 | 26 | 0.4 |
| ASIAN OR PACIFIC ISLANDER^f, total: | 3,579 | 3,715 | 3,589 | 3,720 | 3,774 | 3,960 [†] | 3,941 | 3,838 | 3,786 | 3,541 | 3,568 | 51.8 |
| Births | 3,505 | 3,625 | 3,466 | 3,169 | 3,235 | 3,350 | 3,327 | 3,271 | 3,163 | 2,968 | 3,017 | 43.8 |
| Abortions | 47 | 75 | 110 | 534 | 532 | 608 | 598 | 552 | 612 | 550 | 530 | 7.7 |
| Fetal deaths | 27 | 15 | 13 | 17 | 7 | * | 16 | 15 | 11 | 23 | 21 | 0.3 |
| ALL RACIAL/ETHNIC GROUPS^g, total: | 99,266 | 99,324 | 98,762 | 99,914 | 98,027 | 98,060 | 94,481 | 93,373 | 92,675 | 90,444 | 92,280 | 65.9 |
| Births | 85,190 | 85,725 | 84,963 | 86,648 | 85,024 | 84,404 | 81,664 | 80,539 | 79,183 | 76,781 | 77,857 | 55.6 |
| Abortions | 13,606 | 13,129 | 13,254 | 12,747 | 12,479 | 13,170 | 12,336 | 12,362 | 13,003 | 13,186 | 13,896 | 9.9 |
| Fetal deaths | 470 | 470 | 545 | 519 | 524 | 486 | 481 | 472 | 489 | 477 | 527 | 0.4 |
| Pregnancy rate, total: | 78.0 | 77.9 | 76.8 | 77.0 | 74.7 | 74.3 | 70.7 | 68.9 | 67.2 | 65.5 | 65.9 | |
| Fertility rate^h | 67.0 | 67.2 | 66.0 | 66.7 | 64.8 | 63.9 | 61.1 | 59.4 | 57.4 | 55.6 | 55.6 | |
| Abortion rate | 10.7 | 10.3 | 10.3 | 9.8 | 9.5 | 10.0 | 9.2 | 9.1 | 9.4 | 9.6 | 9.9 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The sum of recorded live births, abortions and fetal deaths; beginning in 2003, fetal deaths are spontaneous terminations of pregnancy at 20 or more weeks of gestation (or, if the gestational period is unknown, these are the deaths of fetuses weighing 350 grams or more); ^b All rates per 1,000 females of childbearing age (15-44 years); ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females of childbearing age.

**TABLE 1A-2
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES AGED 17
AND YOUNGER WITH RATES^b, ARIZONA, 2011-2021**

| Race/ethnicity Pregnancy outcome | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2021 Rates |
|---------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|
| WHITE^c NON-HISPANIC, total: | 600 | 564 | 448 | 496 | 462 | 401 | 327 | 325 | 298 | 252 | 228 | 1.5 |
| Births | 507 | 483 | 373 | 352 | 344 | 291 | 225 | 217 | 218 | 167 | 157 | 1.1 |
| Abortions | 90 | 71 | 72 | 140 | 117 | 107 | 100 | 104 | 79 | 83 | 69 | 0.5 |
| HISPANIC OR LATINO, total: | 1,731 | 1,728 | 1,443 | 1,292 | 1,144 | 1,055 | 976 | 953 | 882 | 802 | 737 | 4.5 |
| Births | 1,528 | 1,574 | 1,291 | 1,138 | 1,000 | 909 | 837 | 812 | 733 | 672 | 587 | 3.6 |
| Abortions | 196 | 150 | 142 | 141 | 131 | 139 | 136 | 139 | 144 | 125 | 148 | 0.9 |
| BLACK OR AFRICAN AMERICAN, total: | 170† | 174 | 140 | 145 | 106 | 111 | 111 | 94 | 100 | 91 | 72 | 3.2 |
| Births | 162 | 164 | 128 | 107 | 78 | 84 | 76 | 61 | 77 | 57 | 46 | 2.1 |
| Abortions | * | 9 | 9 | 36 | 27 | 27 | 34 | 31 | 22 | 32 | 25 | 1.1 |
| AMERICAN INDIAN OR ALASKA NATIVE, total: | 310† | 260† | 260† | 217 | 204 | 191 | 180† | 147 | 147 | 128 | 132 | 7.0 |
| Births | 307 | 258 | 251 | 205 | 184 | 178 | 171 | 141 | 130 | 116 | 115 | 6.1 |
| Abortions | * | * | * | 7 | 17 | 13 | * | 6 | 14 | 9 | 16 | 0.8 |
| ASIAN OR PACIFIC ISLANDER, total: | 30† | 20† | 20† | 25 | 20† | 20† | 10† | 10† | 10† | 10† | 15 | 1.1 |
| Births | 28 | 18 | 13 | 14 | 17 | 12 | 7 | 10 | 7 | 11 | 7 | 0.5 |
| Abortions | * | * | * | 11 | * | * | * | * | * | * | 8 | 0.6 |
| ALL RACIAL/ETHNIC GROUPS^d, total: | 3,089 | 2,976 | 2,476 | 2,193 | 1,953 | 1,792 | 1,619 | 1,548 | 1,452 | 1,306 | 1,194 | 3.3 |
| Births | 2,548 | 2,497 | 2,056 | 1,816 | 1,623 | 1,474 | 1,316 | 1,241 | 1,165 | 1,023 | 912 | 2.5 |
| Abortions | 527 | 463 | 402 | 352 | 312 | 308 | 296 | 299 | 280 | 271 | 276 | 0.8 |
| Pregnancy rate, total: | 8.7 | 8.4 | 6.9 | 6.1 | 5.4 | 5.0 | 4.4 | 4.2 | 3.9 | 3.6 | 3.3 | |
| Fertility rate^e | 7.2 | 7.1 | 5.8 | 5.1 | 4.5 | 4.1 | 3.6 | 3.4 | 3.1 | 2.8 | 2.5 | |
| Abortion rate | 1.5 | 1.3 | 1.1 | 1.0 | 0.9 | 0.9 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Fetal deaths are included in the total counts of pregnancies; ^b All rates per 1,000 females 10-17 years old; ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females 10-17 years old.

**TABLE 1A-3
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 15-17 YEARS OLD
WITH RATES^b, ARIZONA, 2011-2021**

| Race/ethnicity Pregnancy outcome | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2021 Rates |
|---------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|---------------|
| WHITE^c NON-HISPANIC, total: | 577 | 549 | 434 | 481 | 451 | 382 | 319 | 310 | 290 | 246 | 213 | 3.8 |
| Births | 494 | 475 | 365 | 344 | 339 | 283 | 224 | 213 | 214 | 166 | 147 | 2.6 |
| Abortions | 80 | 65 | 66 | 133 | 111 | 96 | 93 | 93 | 75 | 78 | 64 | 1.1 |
| HISPANIC OR LATINO, total: | 1,653 | 1,670 | 1,390 | 1,262 | 1,103 | 1,015 | 936 | 925 | 852 | 767 | 707 | 11.7 |
| Births | 1,467 | 1,528 | 1,244 | 1,115 | 972 | 877 | 816 | 795 | 711 | 650 | 566 | 9.4 |
| Abortions | 179 | 138 | 136 | 134 | 118 | 131 | 117 | 128 | 136 | 113 | 140 | 2.3 |
| BLACK OR AFRICAN AMERICAN, total: | 160† | 166 | 133 | 138 | 103 | 104 | 105 | 90 | 96 | 88 | 65 | 8.1 |
| Births | 152 | 159 | 122 | 102 | 77 | 81 | 71 | 60 | 73 | 56 | 43 | 5.3 |
| Abortions | * | 6 | 8 | 34 | 25 | 23 | 33 | 28 | 22 | 31 | 21 | 2.6 |
| AMERICAN INDIAN OR ALASKA NATIVE, total: | 300† | 250† | 250† | 210† | 193 | 178 | 170† | 140† | 136 | 123 | 124 | 18.1 |
| Births | 293 | 251 | 243 | 196 | 177 | 167 | 163 | 134 | 124 | 112 | 108 | 15.8 |
| Abortions | * | * | * | * | 13 | 11 | * | * | 12 | 8 | 15 | 2.2 |
| ASIAN OR PACIFIC ISLANDER, total: | 26 | 20† | 10† | 23 | 20† | 20† | 10† | 10† | 10† | 10† | 10† | 2.4 |
| Births | 26 | 17 | 11 | 13 | 17 | 12 | 6 | 10 | 7 | 11 | * | ** |
| Abortions | 0 | * | * | 10 | * | * | * | * | * | * | 7 | 1.4 |
| ALL RACIAL/ETHNIC GROUPS^d, total: | 2,939 | 2,860 | 2,385 | 2,125 | 1,887 | 1,707 | 1,554 | 1,491 | 1,401 | 1,256 | 1,131 | 8.3 |
| Births | 2,447 | 2,430 | 1,985 | 1,770 | 1,582 | 1,420 | 1,280 | 1,212 | 1,129 | 995 | 869 | 6.4 |
| Abortions | 478 | 414 | 382 | 330 | 287 | 277 | 267 | 271 | 265 | 251 | 257 | 1.9 |
| Pregnancy rate, total: | 22.1 | 21.8 | 18.0 | 16.1 | 14.1 | 12.6 | 11.3 | 10.8 | 10.2 | 9.3 | 8.3 | |
| Fertility rate^e | 18.4 | 18.5 | 15.0 | 13.4 | 11.8 | 10.5 | 9.3 | 8.8 | 8.2 | 7.4 | 6.4 | |
| Abortion rate | 3.6 | 3.1 | 2.9 | 2.5 | 2.1 | 2.0 | 1.9 | 2.0 | 1.9 | 1.9 | 1.9 | |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Fetal deaths are included in the total counts of pregnancies; ^b All rates per 1,000 females 15-17 years old; ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females 15-17 years old.

**TABLE 1A-4
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 18-19 YEARS OLD
WITH RATES^b, ARIZONA, 2011-2021**

| Race/ethnicity Pregnancy outcome | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2021 Rates |
|---------------------------------------------------------|------------------|------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| WHITE^c NON-HISPANIC, total: | 1,792 | 1,675 | 1,602 | 1,759 | 1,562 | 1,433 | 1,248 | 1,170 | 1,043 | 1,000 | 915 | 22.8 |
| Births | 1,582 | 1,494 | 1,408 | 1,405 | 1,187 | 1,056 | 939 | 872 | 781 | 724 | 659 | 16.5 |
| Abortions | 199 | 167 | 185 | 348 | 371 | 369 | 300 | 292 | 256 | 276 | 249 | 6.2 |
| HISPANIC OR LATINO, total: | 3,566 | 3,357 | 3,175 | 3,078 | 2,764 | 2,668 | 2,537 | 2,377 | 2,308 | 2,234 | 2,190 | 53.6 |
| Births | 3,103 | 3,053 | 2,789 | 2,675 | 2,409 | 2,227 | 2,137 | 1,982 | 1,861 | 1,741 | 1,596 | 39.0 |
| Abortions | 442 | 291 | 367 | 390 | 336 | 425 | 390 | 389 | 437 | 486 | 582 | 14.2 |
| BLACK OR AFRICAN AMERICAN, total: | 413 | 390 [†] | 397 | 345 | 294 | 320 | 339 | 278 | 305 | 293 | 280 | 49.3 |
| Births | 399 | 380 | 379 | 287 | 234 | 232 | 253 | 210 | 203 | 200 | 171 | 30.1 |
| Abortions | 13 | * | 14 | 54 | 58 | 86 | 83 | 65 | 98 | 92 | 102 | 18.0 |
| AMERICAN INDIAN OR ALASKA NATIVE, total: | 690 [†] | 640 [†] | 530 [†] | 417 | 423 | 388 | 369 | 347 | 309 | 263 | 246 | 56.1 |
| Births | 680 | 632 | 524 | 397 | 385 | 362 | 348 | 322 | 280 | 226 | 227 | 51.8 |
| Abortions | * | * | * | 18 | 34 | 25 | 18 | 25 | 24 | 30 | 18 | 4.1 |
| ASIAN OR PACIFIC ISLANDER, total: | 90 [†] | 68 | 70 [†] | 67 | 72 | 61 | 79 | 62 | 62 | 41 | 43 | 11.9 |
| Births | 83 | 61 | 66 | 43 | 46 | 39 | 48 | 32 | 33 | 20 | 15 | 4.2 |
| Abortions | * | 7 | * | 24 | 25 | 22 | 31 | 30 | 28 | 20 | 28 | 7.8 |
| ALL RACIAL/ETHNIC GROUPS^d, total: | 7,180 | 6,734 | 6,239 | 5,731 | 5,168 | 4,932 | 4,633 | 4,281 | 4,073 | 3,874 | 3,718 | 39.3 |
| Births | 5,887 | 5,620 | 5,166 | 4,807 | 4,261 | 3,916 | 3,725 | 3,418 | 3,158 | 2,911 | 2,668 | 28.2 |
| Abortions | 1,258 | 1,077 | 1,039 | 897 | 877 | 989 | 883 | 847 | 889 | 947 | 1,023 | 10.8 |
| Pregnancy rate, total: | 77.2 | 70.2 | 64.8 | 65.2 | 58.4 | 55.0 | 50.9 | 46.6 | 42.8 | 40.7 | 39.3 | |
| Fertility rate^e | 63.3 | 58.6 | 53.6 | 54.7 | 48.2 | 43.7 | 41.0 | 37.2 | 33.2 | 30.6 | 28.2 | |
| Abortion rate | 13.5 | 11.2 | 10.8 | 10.2 | 9.9 | 11.0 | 9.7 | 9.2 | 9.3 | 9.9 | 10.8 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Fetal deaths are included in the total count of pregnancies; ^b All rates per 1,000 females 18-19 years old; ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females 18-19 years old.

**TABLE 1A-5
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 19 AND YOUNGER,
WITH RATES^b, ARIZONA, 2011-2021**

| Race/ethnicity Pregnancy outcome | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2021 Rates |
|---------------------------------------------------------|--------------------|------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| WHITE^c NON-HISPANIC, total: | 2,392 | 2,239 | 2,050 | 2,255 | 2,024 | 1,834 | 1,575 | 1,495 | 1,341 | 1,252 | 1,143 | 6.0 |
| Births | 2,089 | 1,977 | 1,781 | 1,757 | 1,531 | 1,347 | 1,164 | 1,089 | 999 | 891 | 816 | 4.3 |
| Abortions | 289 | 238 | 257 | 488 | 488 | 476 | 400 | 396 | 335 | 359 | 318 | 1.7 |
| HISPANIC OR LATINO, total: | 5,297 | 5,085 | 4,618 | 4,370 | 3,908 | 3,723 | 3,513 | 3,330 | 3,190 | 3,036 | 2,927 | 14.4 |
| Births | 4,631 | 4,627 | 4,080 | 3,813 | 3,409 | 3,136 | 2,974 | 2,794 | 2,594 | 2,413 | 2,183 | 10.7 |
| Abortions | 638 | 441 | 509 | 531 | 467 | 564 | 526 | 528 | 581 | 611 | 730 | 3.6 |
| BLACK OR AFRICAN AMERICAN, total: | 580 | 562 | 537 | 490 | 400 | 431 | 450 | 372 | 405 | 384 | 352 | 12.6 |
| Births | 561 | 544 | 507 | 394 | 312 | 316 | 329 | 271 | 280 | 257 | 217 | 7.8 |
| Abortions | 17 | 14 | 23 | 90 | 85 | 113 | 117 | 96 | 120 | 124 | 127 | 4.5 |
| AMERICAN INDIAN OR ALASKA NATIVE, total: | 1,000 [†] | 900 [†] | 787 | 634 | 627 | 579 | 546 | 495 | 453 | 391 | 378 | 16.3 |
| Births | 987 | 890 | 775 | 602 | 569 | 540 | 519 | 463 | 410 | 342 | 342 | 14.7 |
| Abortions | * | * | 8 | 25 | 51 | 38 | 23 | 31 | 38 | 39 | 34 | 1.5 |
| ASIAN OR PACIFIC ISLANDER, total: | 120 [†] | 88 | 80 [†] | 92 | 92 | 77 | 89 | 74 | 73 | 55 | 58 | 3.4 |
| Births | 111 | 79 | 79 | 57 | 63 | 51 | 55 | 42 | 40 | 31 | 22 | 1.3 |
| Abortions | * | 9 | * | 35 | 28 | 26 | 34 | 32 | 32 | 23 | 36 | 2.1 |
| ALL RACIAL/ETHNIC GROUPS^d, total: | 10,269 | 9,710 | 8,715 | 7,924 | 7,121 | 6,724 | 6,252 | 5,829 | 5,525 | 5,180 | 4,912 | 10.6 |
| Births | 8,435 | 8,117 | 7,222 | 6,623 | 5,884 | 5,390 | 5,041 | 4,659 | 4,323 | 3,934 | 3,580 | 7.8 |
| Abortions | 1,785 | 1,539 | 1,441 | 1,249 | 1,189 | 1,297 | 1,179 | 1,146 | 1,169 | 1,218 | 1,299 | 2.8 |
| Pregnancy rate, total: | 23.0 | 21.6 | 19.2 | 17.8 | 15.9 | 14.9 | 13.7 | 12.6 | 11.9 | 11.2 | 10.6 | |
| Fertility rate^e | 18.9 | 18.0 | 15.9 | 14.9 | 13.1 | 12.0 | 11.1 | 10.1 | 9.3 | 8.5 | 7.8 | |
| Abortion rate | 4.0 | 3.4 | 3.2 | 2.8 | 2.7 | 2.9 | 2.6 | 2.5 | 2.5 | 2.6 | 2.8 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Fetal deaths are included in the total counts of pregnancies; ^b All rates per 1,000 females 19 or younger; ^c Not of Hispanic origin; ^d Includes other and unspecified ethnicity; ^e Number of births per 1,000 females 19 or younger.

**TABLE 1A-6
NUMBER OF PREGNANCIES^a BY PREGNANCY OUTCOME, AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2021
PREGNANCIES BY OUTCOME:**

| | All ages | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un- known |
|-----------------------------------------|----------|-----|--------|-------|--------|--------|--------|--------|-------|------|--------------|
| All groups | | | | | | | | | | | |
| Total pregnancies | 92,280 | 60† | 1,130† | 3,718 | 20,079 | 27,542 | 24,513 | 12,182 | 2,821 | 230† | 0† |
| Births | 77,857 | 43 | 869 | 2,668 | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 196 | * |
| Abortions ^b | 13,896 | 19 | 257 | 1,023 | 4,284 | 3,783 | 2,584 | 1,437 | 478 | 31 | 0 |
| Fetal deaths | 530† | * | * | 27 | 108 | 142 | 135 | 81 | 26 | * | * |
| White non Hispanic | | | | | | | | | | | |
| Total pregnancies | 38,710 | 20† | 210† | 915 | 6,497 | 11,517 | 12,012 | 6,097 | 1,320 | 122 | 0† |
| Births | 33,850† | 10 | 147 | 659 | 5,173 | 10,189 | 11,003 | 5,452 | 1,106 | 110 | * |
| Abortions ^b | 4,645 | * | 64 | 249 | 1,288 | 1,275 | 948 | 601 | 203 | 12 | 0 |
| Fetal deaths | 210† | 0 | * | 7 | 36 | 53 | 61 | 44 | 11 | 0 | 0 |
| Hispanic or Latino | | | | | | | | | | | |
| Total pregnancies | 38,570 | 30† | 710† | 2,190 | 10,431 | 11,843 | 8,454 | 3,880 | 968 | 70† | 0 |
| Births | 32,288 | 21 | 566 | 1,596 | 8,264 | 10,176 | 7,421 | 3,381 | 812 | 51 | 0 |
| Abortions ^b | 6,080 | 8 | 140 | 582 | 2,117 | 1,607 | 983 | 479 | 149 | 15 | 0 |
| Fetal deaths | 200† | * | * | 12 | 50 | 60 | 50 | 20 | 7 | * | 0 |
| Black or African American | | | | | | | | | | | |
| Total pregnancies | 6,521 | 10† | 70† | 280 | 1,551 | 1,961 | 1,632 | 810 | 200† | 10† | 0 |
| Births | 4,800† | * | 43 | 171 | 1,054 | 1,441 | 1,268 | 643 | 159 | 13 | 0 |
| Abortions ^b | 1,660† | * | 21 | 102 | 481 | 501 | 352 | 161 | 39 | * | 0 |
| Fetal deaths | 60† | 0 | * | 7 | 16 | 19 | 12 | 6 | * | 0 | 0 |
| American Indian or Alaska Native | | | | | | | | | | | |
| Total pregnancies | 4,331 | 10† | 120† | 250† | 1,104 | 1,252 | 1,000† | 480† | 110† | 10† | 0† |
| Births | 3,910† | 7 | 108 | 227 | 959 | 1,126 | 931 | 449 | 94 | * | 0 |
| Abortions ^b | 400† | * | 15 | 18 | 139 | 118 | 68 | 25 | 13 | * | 0 |
| Fetal deaths | 30† | 0 | * | * | 6 | 8 | * | * | * | 0 | * |
| Asian or Pacific Islander | | | | | | | | | | | |
| Total pregnancies | 3,570† | 0† | 10† | 43 | 332 | 810† | 1,300 | 855 | 200† | 17 | 0 |
| Births | 3,020† | * | * | 15 | 237 | 685 | 1,171 | 739 | 146 | 17 | 0 |
| Abortions ^b | 530† | * | 7 | 28 | 95 | 123 | 122 | 108 | 46 | 0 | 0 |
| Fetal deaths | 20† | 0 | 0 | 0 | 0 | * | 7 | 8 | * | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The sum of recorded live births, spontaneous fetal losses and abortions; ^b Abortions include unknown or multiple race.

**TABLE 1A-7
PREGNANCY RATES^a AND NUMBER OF LIVE BIRTHS, FETAL DEATHS, AND
ABORTIONS TO TEENS BY INDIVIDUAL AGE, ARIZONA, 2021**

| Age | Population | PREGNANCIES BY OUTCOME | | | TOTAL PREGNANCIES | |
|--------------------|------------|------------------------|--------------------|--------------------------|-------------------|-------------|
| | | Live births | Abortions | Spontaneous fetal losses | Number | Rate |
| 10 | 44,227 | 0 | 0 | 0 | 0 | 0.0 |
| 11 | 45,070 | 0 | 0 | 0 | 0 | 0.0 |
| 12 | 47,095 | 0 | 0 | 0 | 0 | 0.0 |
| 13 | 47,190 | 9 | * | * | 15 | 0.3 |
| 14 | 46,500 | 34 | 14 | 0 | 48 | 1.0 |
| 10-14 | 230,082 | 43 | 19 | * | 63 | 0.3 |
| 15 | 46,179 | 100 | 41 | 0 | 141 | 3.1 |
| 16 | 45,967 | 232 | 77 | * | 310 | 6.7 |
| 17 | 44,627 | 537 | 139 | * | 680 | 15.2 |
| 15-17 | 136,773 | 869 | 257 | * | 1,131 | 8.3 |
| 18 | 46,783 | 969 | 408 | 9 | 1,386 | 29.6 |
| 19 | 47,834 | 1,699 | 615 | 18 | 2,332 | 48.8 |
| 18-19 | 94,617 | 2,668 | 1,023 | 27 | 3,718 | 39.3 |
| Total 10-19 | 461,472 | 3,580 | 1,300 [†] | 30 [†] | 4,912 | 10.6 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6;
^a Rates per 1,000 female population in specific group.



1B.

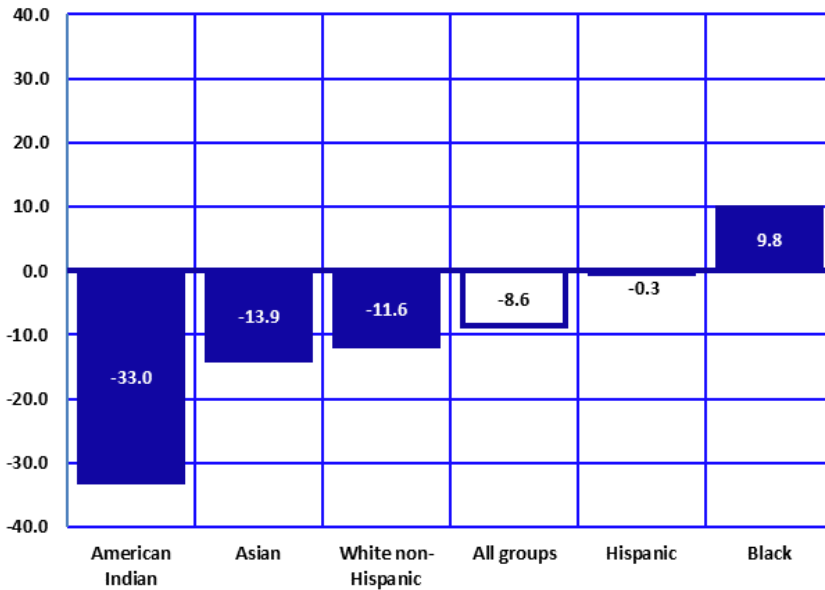
**NATALITY:
MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH**

From 2020 to 2021, the number of residents' births increased by 1.4 percent from 76,781 (2020) to 77,857 (2021), representing an increase of 1,076 births.

There were striking differences in how the number of births changed from 2011 to 2021 by mother's race/ethnicity. Compared to 2011, the number of births for all combined racial/ethnic groups was 8.6 percent lower in 2021. Taken separately, while the number of births rose by 9.8 percent for Black or African American mothers between 2011 and 2021, the remaining racial/ethnic groups witnessed a decline in their birth counts, with American Indian women experiencing most of the decrease (33.0) during the period of time under consideration (**Figure 1B-1**).

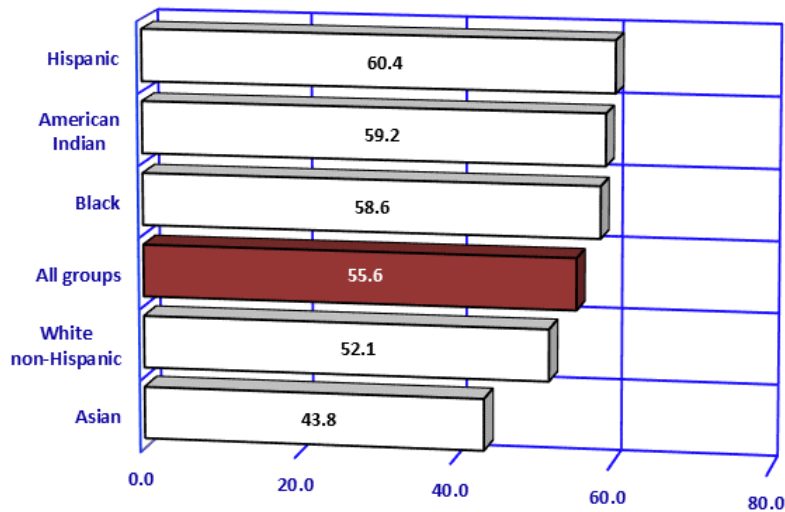
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-1
Percent Change from 2011 to 2021 in the Number of Resident Live Births by
Mother's Race/Ethnicity, Arizona



From 2011 to 2021, the number of resident live births declined by 8.6 percent (**Figure 1B-1**). All racial/ethnic groups experienced a decrease in the number of live births, with the exception of Blacks. The magnitude of the reduction in the number of births was the largest among American Indians (33.0 percent) and Asians (13.9 percent).

Figure 1B-2
General Fertility Rates^a by Race/Ethnicity among Females of all Ages,
Arizona, 2021



From among 1,400,998 women of childbearing age (15-44 years), 77,616 (99.7 percent) of 77,857 total births in 2021 were from mothers in this age group. The *general fertility rate* (the number of births per 1,000 women 15-44 years old GFR) was the highest for Hispanic females followed by American Indian and Black females. The GFR for Asian females was the lowest of all racial/ethnic groups.

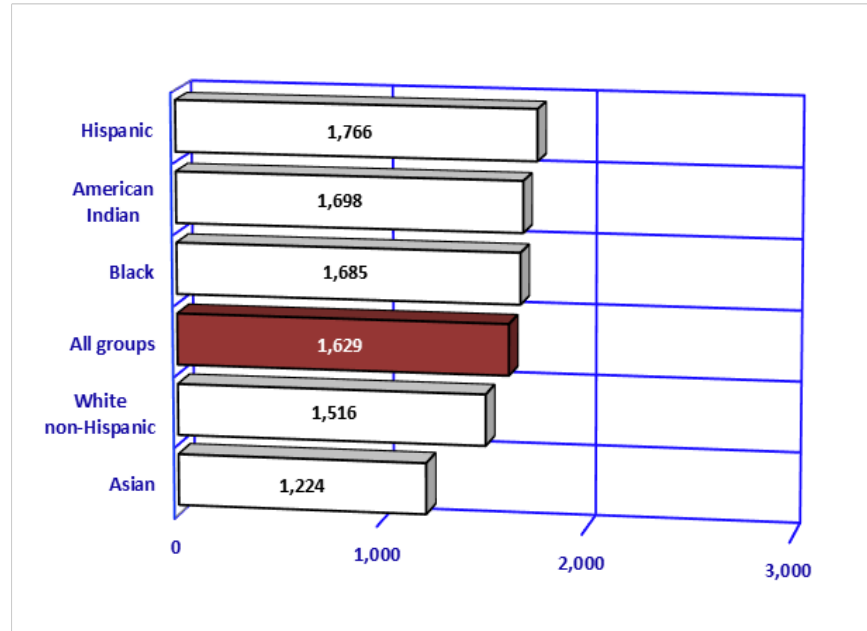
A comparison of fertility rates by county in Arizona is provided in **Table 5A-1**.

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

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

Figure 1B-3
Total Fertility Rates^a by Race/Ethnicity, Arizona, 2021

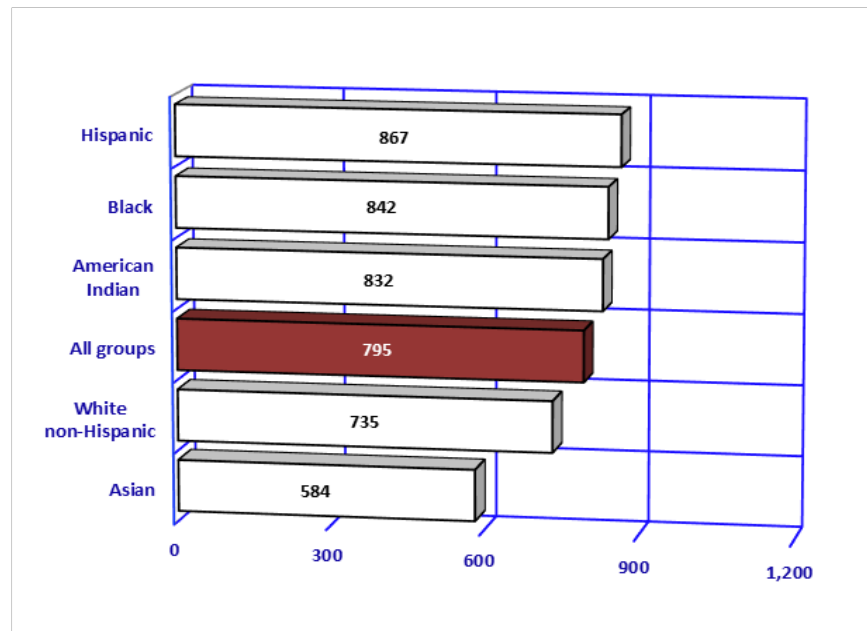
The *total fertility rate* (TFR) indicates the average number of births to a hypothetical cohort of 1,000 women, if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. From 2003 to 2008, Arizona's TFRs always exceeded the rate of "replacement" (2,110 births per 1,000 women). The "replacement" rate is considered the value at which a given generation can exactly replace itself. The TFR was 2,001 births per 1,000 women of childbearing age in 2011, decreasing to 1,629 in 2021 (**Table 1B-1**). In 2021, The TFR for Hispanic women (1,766) was the highest of all racial/ethnic groups and was still 16.3 percent lower than the generation replacement rate. The rate for Asian women (1,224), the lowest of all groups, was 42.0 percent lower than the replacement rate.



Notes: ^a The sum of age group-specific birth rates multiplied by five (the number of years in the age group). The rate of 1,629 above for example, means that if a hypothetical group of 1,000 women were to have the same birth rates in each age group that were observed in the actual childbearing population in 2021, they would have a total of 1,629 children (or 1.6 children each) by the time they reached the end of the reproductive period (taken here as age 50), assuming that all of the women survived to that age.

Figure 1B-4
Gross Reproduction Rates^a by Race/Ethnicity, Arizona, 2021

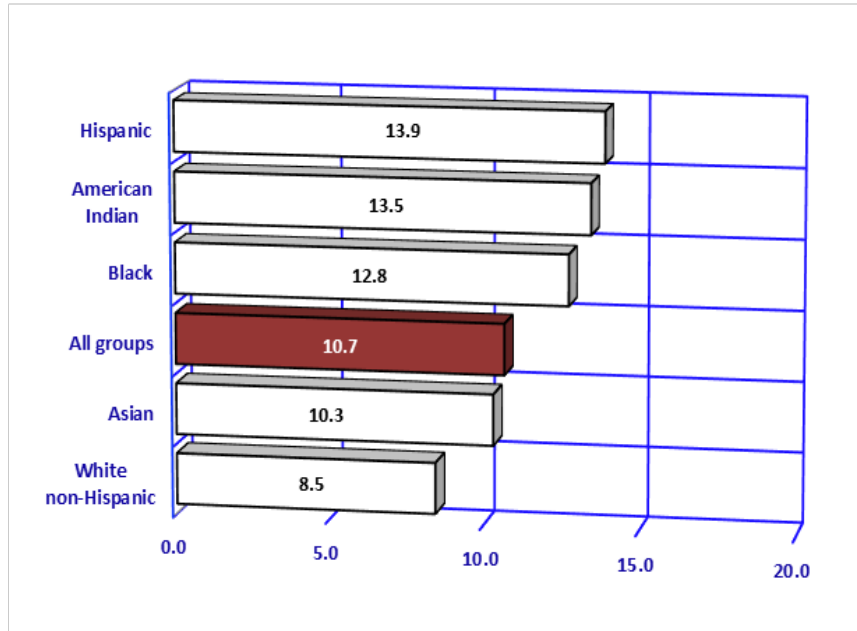
Another measure used to summarize reproduction patterns is the *gross reproduction rate* (GRR). It represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. This measure is similar to the total fertility rate except that it measures only female births, since reproduction is largely dependent on the number of females in a given population. In 2021, the gross reproduction rates in Arizona ranged from 584 for Asian women to 867 for Hispanic women (**Figure 1B-4**, **Table 1B-1**).



Notes: ^a The sum of birth rates by 5-year age groups multiplied by the proportion of births which 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 their childbearing years.

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

Figure 1B-5
Birth Rates^a by Race/Ethnicity, Arizona, 2021



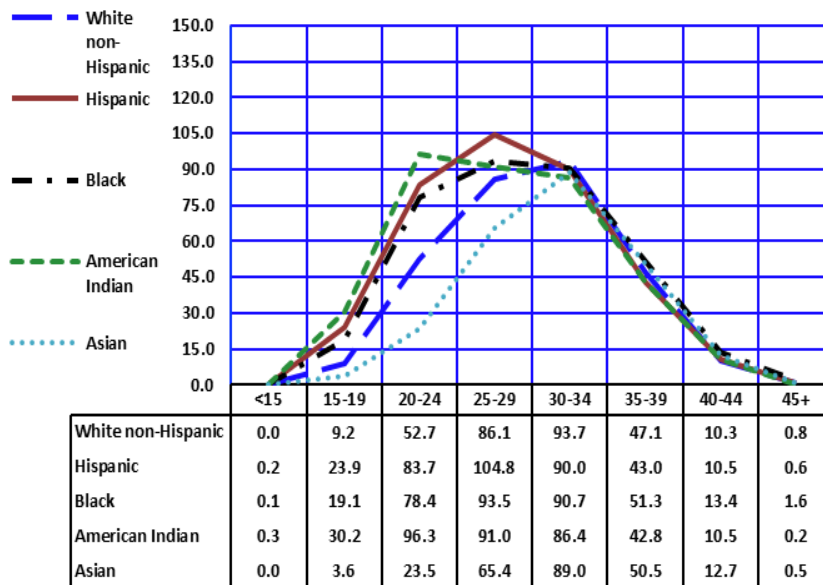
The crude birth rate, often simply called the birth rate, relates the number of births to the total population in a specified group. The birth rate is expressed as the total number of births per 1,000 persons, without regard to the age or sex distribution of the population.

The birth rate for Arizona decreased from 11.0 in 2019 and remained at 10.7 in 2020 and 2021 (**Table 1B-1**).

In 2021, the crude birth rates by mother's race/ethnicity ranged from 8.5 births per 1,000 White non-Hispanics to 13.9 per 1,000 Hispanics (**Figure 1B-5**).

Note: ^a Number of births per 1,000 population in specified group.

Figure 1B-6
Birth Rates^a by Mother's Age Group and Race/Ethnicity, Arizona, 2021



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

In 2021, American Indian and Hispanic women had the highest birth rates for women under the age of 25 years. The birth rates for women between the ages of 30-34 were highest among White non-Hispanic women and those between ages 35-39 were the highest among Black women. In general, Hispanic, Black, and American Indian women tend to give birth at younger ages (less than 25 years of age) than Asian and non-Hispanic White women.

Note: ^a Number of births per 1,000 females in specified group.

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

Figure 1B-7
Percent of Births to Unmarried Mothers by Age Group, Arizona, 2021

Unmarried mothers have accounted for a large portion of births with more than 4 of every 10 births in Arizona (**Table 1B-2**). In 2021, 35,169 infants were born to unmarried mothers compared to 37,780 in 2011. It is important to note that beginning 2015, divorced mothers have been included in the proportion of unmarried mothers; therefore, caution should be exercised in comparing data for this year to those of the previous years.

A decade ago, the proportion of births among unmarried women aged 20-24 years was 63.4 percent, while in 2021, approximately 70.2 percent of mothers 20-24 years old were unmarried (**Figure 1B-7**).

Births and birth ratios by mother's marital status, age group, and race/ethnicity are given in (**Table 1B-22**). County-level information is provided in (**Table 5B-14** and **5B-15**).

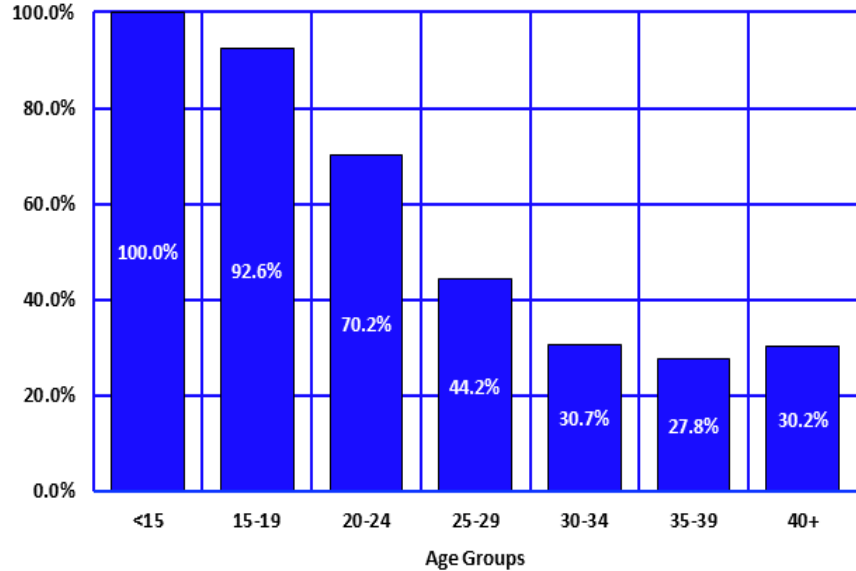
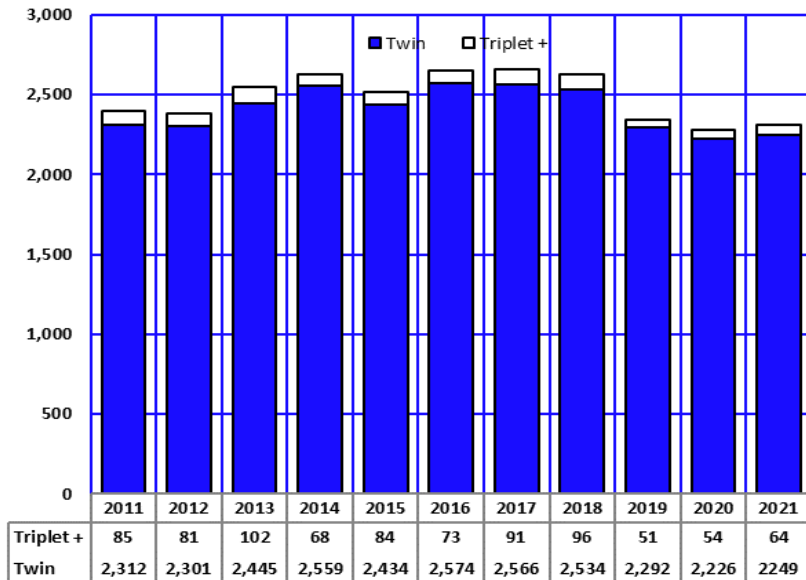


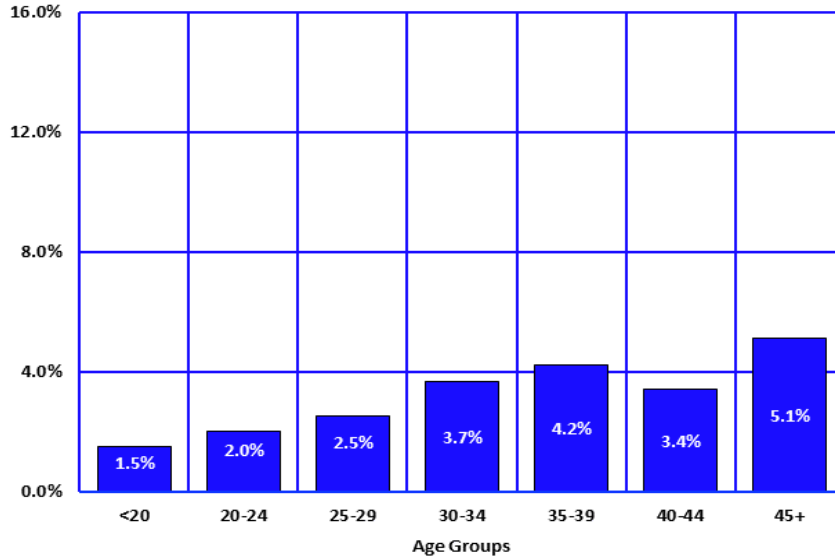
Figure 1B-8
Number of Births in Twin and Triplet+ Deliveries by Year, Arizona, 2011-2021

The number of multiple birth events in Arizona declined from 2,397 in 2011 to 2,313 in 2021 (**Figure 1B-8**). The number of babies born in twin deliveries decreased from 2,312 in 2011 to 2,249 in 2021 (**Figure 1B-8**). The number of triplets and higher order multiple birth events decreased by 24.7 percent from 85 in 2011 to 64 in 2021.



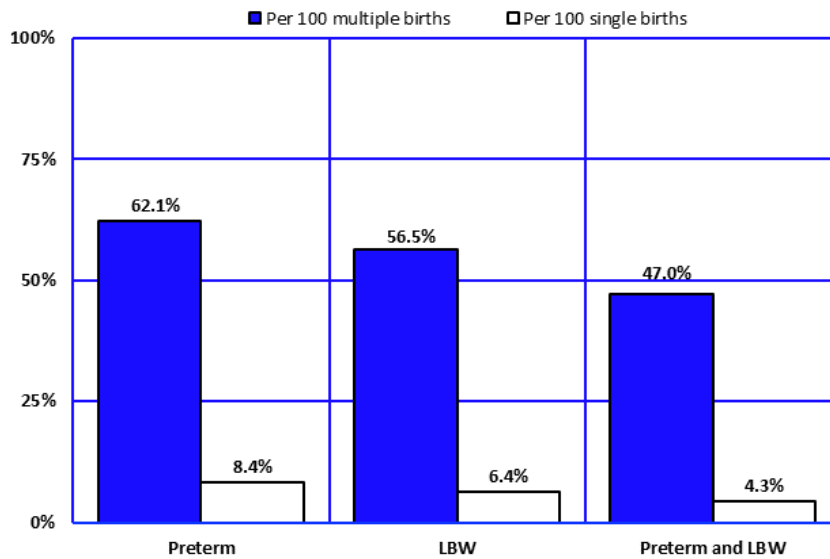
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-9
Multiple Births by Mother's Age Group, Arizona, 2021



In 2021, the proportion of multiple births gradually increased with maternal age among mothers below 40-44 years of age and decreased among those mothers (3.4 percent), then sharply increased among mothers age 45 years and older. Among women aged 45 years and older, 5.1 percent of all births were twins, triplets, or quadruplets (**Figure 1B-9**). The percent of all births that were multiple births to women age 45 and over increased from 2.6 percent in 2020 to 5.1 percent in 2021. Ongoing monitoring of multiple births among older mothers will help better understand the recent variation that has been found in this measure.

Figure 1B-10
Infants Born too Early (Preterm)^a and Infants Born too Small (LBW)^b among Multiple and Single Births, Arizona, 2021



Infants born in multiple deliveries tend to be born at shorter gestation age and with low birth weight than those born in singleton deliveries (**Figure 1B-10**). In 2021, infants born in multiple deliveries were 7.4 times more likely (62.1 vs. 8.4 percent) to be born earlier than expected (at less than 37 completed weeks of gestation) and smaller (at less than 2,500 grams) than singleton births.

Preterm birth is a leading cause of infant morbidity and mortality, accounting for about 62% percent of all infant deaths (only those with matching death records); (**Figure 2C-4** in section 2C). The weight of the newborn also is an important predictor of future morbidity and mortality. In 2021, infants born at very low birth weight (<1,500 grams) accounted for 47.8 percent of all infant deaths (**Figure 2C-3**).

Notes: ^a Preterm is < 37 weeks of gestation; ^b Low birthweight is less than 2,500 grams or 5 pounds 8 ounces.

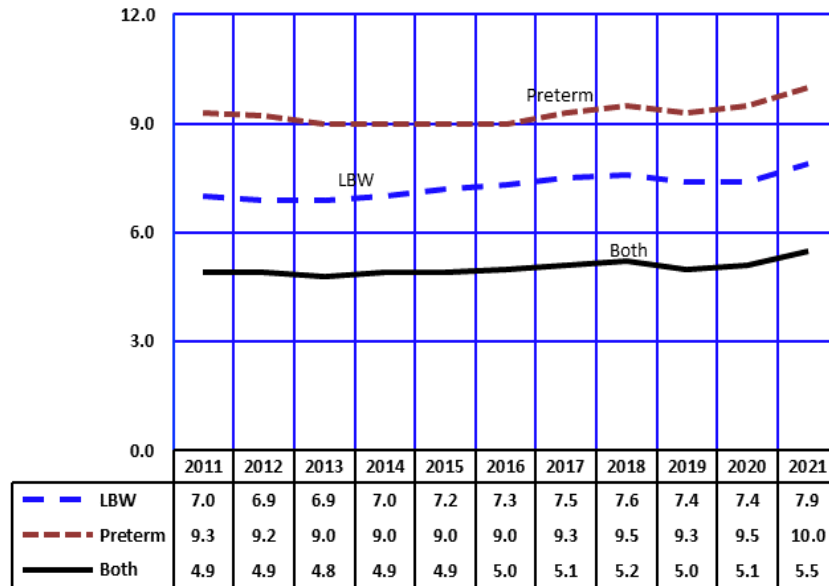
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-11
Preterm^a and Low Birthweight (LBW)^b Births by Year, Arizona, 2011-2021

The proportion of preterm births reached 10.0 percent of all births in 2021, a slight increase from 9.5 percent in 2020.

The proportion of infants born prematurely and who were also low birth weight (LBW; at less than 2,500 grams) slightly increased from 5.1/100 births in 2020 to 5.5/100 births in 2021 (Figure 1B-11).

Detailed characteristics of births by birthweight and gestational age are provided in (Table 1B-32). Comparative data by county of residence are available in (Table 5B-16 – Table 5B-24).

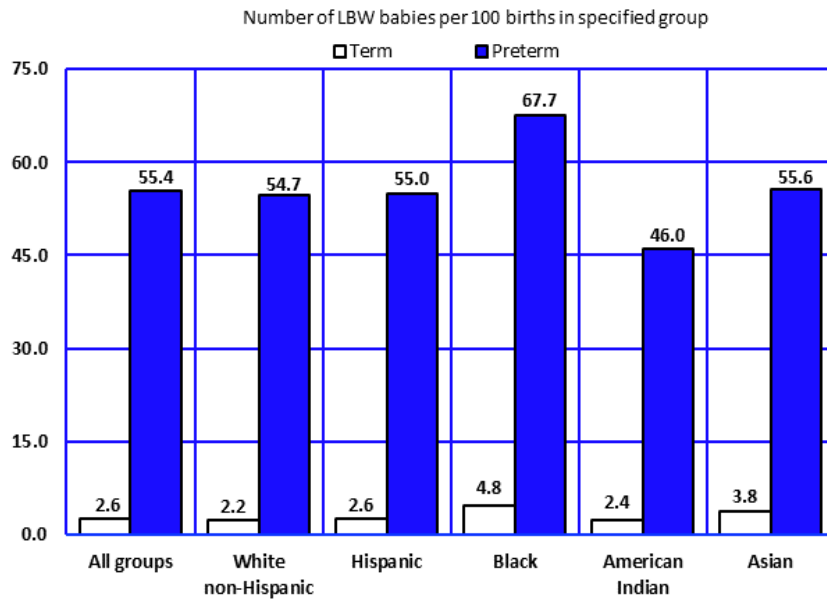


Notes: ^a Preterm: < 37 weeks of gestation; ^b Low birthweight (less than 2,500 grams or 5 pounds 8 ounces); In this report, the primary measure used to determine the gestational age is the clinical estimate of gestation as reported on the birth certificate.

Figure 1B-12
Low-Birthweight (LBW) Births by Length of Gestation and Mother's Race/Ethnicity, Arizona, 2021

In 2021, 7.9 percent of all babies were born at low birthweight (LBW), (weight less than 2,500 grams or 5 pounds 8 ounces), representing a slight increase from the rate recorded in 2011 (7.0 percent) (Table 1B-2). Preterm delivery is the strongest risk factor for LBW. Infants born at less than 37 completed weeks of gestation were 21.3 times (55.4 vs. 2.6 percent) more likely to be LBW than infants born at term (Figure 1B-12). Approximately, seven out of ten (70.2 percent) LBW babies born in 2021 were preterm (Table 1B-3).

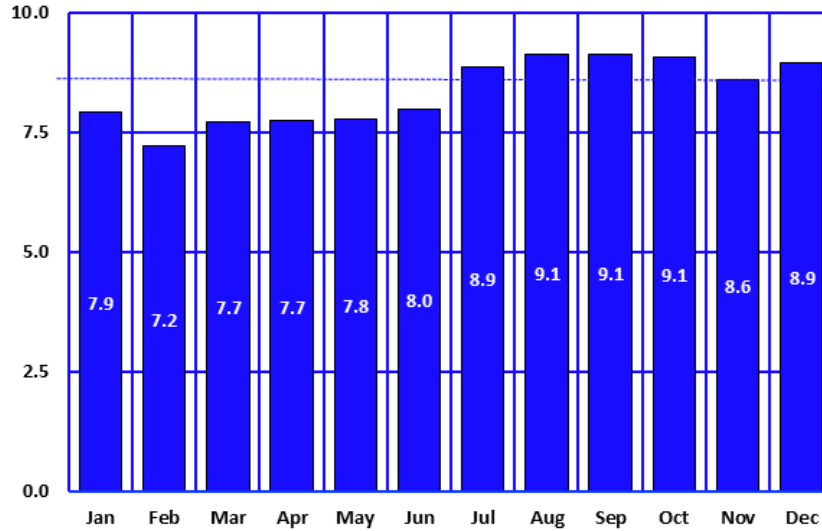
County-level data for LBW newborns are available in (Tables 5B-16 – 5B-23). Community level information is in (Table 9A).



Notes: Number of LBW babies per 100 births in specified group; Preterm: < 37 weeks of gestation; Low birthweight (less than 2,500 grams or 5 pounds 8 ounces).

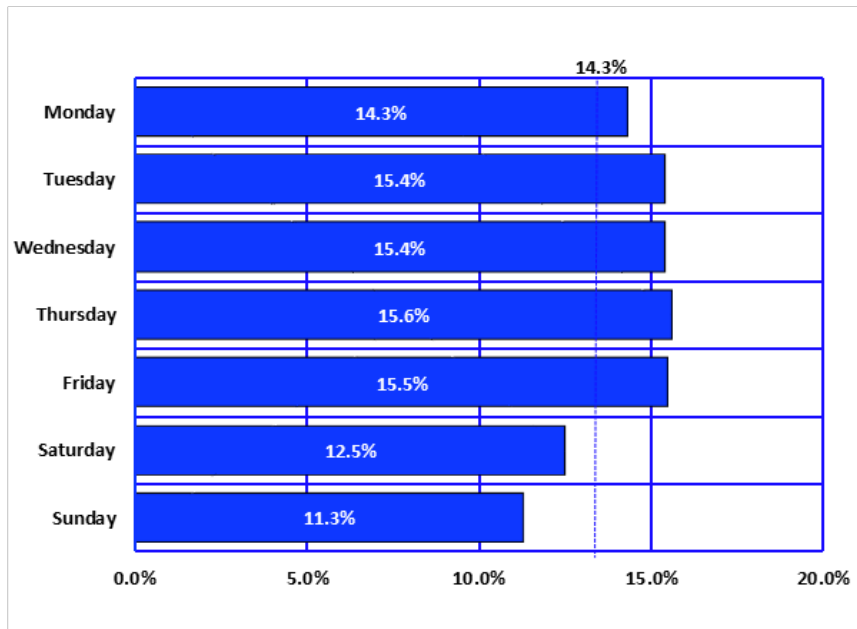
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-13
Percent of Resident Births by Month, Arizona, 2021



In 2021, monthly births in Arizona averaged around 8.3 percent. (Figure 1B-13). In 2021, the seasonal fluctuation of the frequency of births is marked by 3 month raised peak in August (9.1 percent), September (9.1 percent), and October (9.1 percent) compared to other months throughout the year.

Figure 1B-14
Percent of Resident Births by Day of the Week, Arizona, 2021



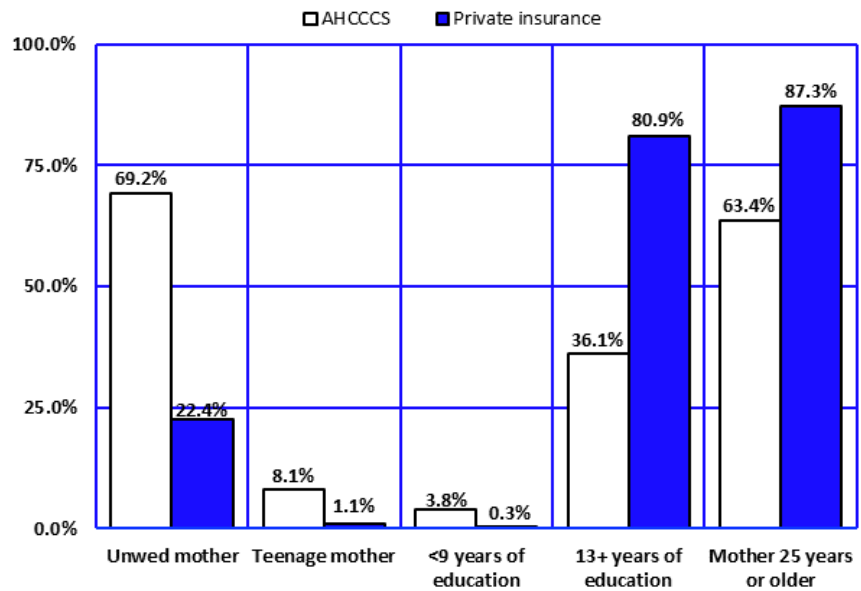
On average, 213 infants were born per day in 2021 to Arizona residents. The daily percent of resident live births in 2021 was substantially lower on weekends than on weekdays (Figure 1B-14). Many studies suggest that weekly, daily, and hourly variations observed in hospitals and clinics are not due to a biological rhythm of labor, but to increased frequency of obstetric interventions in the timing of delivery (induced labors and elective cesarean deliveries), making it more aligned with the work week schedule.

In 2021, only 8.8 percent of cesarean deliveries occurred on Sundays, compared to 16.5 percent on Mondays. The average rate of induction of labor was substantially lower on weekend days (12 percent) than it was on week days (15.2 percent).

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

The number of years of maternal education was the only possible proxy of socioeconomic status (SES) on the birth certificate prior to 1989. Paying party for the delivery became another SES indicator in 1989. The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid Program) versus private health insurance (PHI) compares mothers of lower and higher SES respectively. PHI mothers were 2.2 times more likely to have some college education or higher (13+ years of education) than were AHCCCS mothers (80.9 and 36.1 percent respectively, **Figure 1B-15**). Mothers recipient AHCCCS were more likely to be unmarried (69.2%) than their counterparts with PHI. Nine out of ten mothers with PHI were at least 25 years old compared to 6 out of 10 AHCCCS mothers.

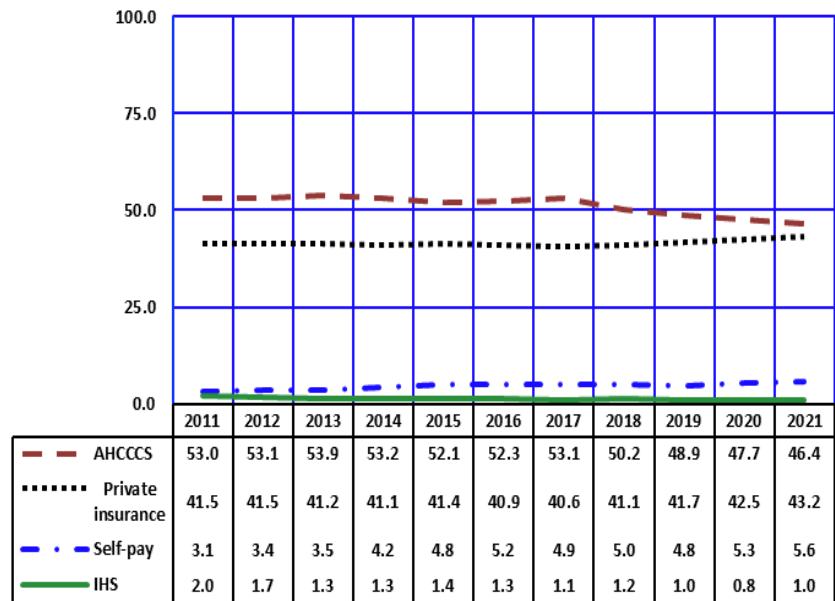
Figure 1B-15
Comparison of Selected Sociodemographic Characteristics by the Payer for Delivery, Arizona, 2021



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

Since 2002, the share of resident births paid for by AHCCCS has exceeded the share paid by private health insurance (**Figure 1B-16**). In 2011, private insurance funded 41.5 percent of births and AHCCCS paid for 53.0 percent of births. The share of AHCCCS funded births varied little from 2011 to 2021. The share of private health insurance also remained stable during this time period. In 2021, the proportion of births paid by AHCCCS decreased 12.5 percent, while the percent of births paid by a private insurance increased 4.1 percent. In 2021, 5.6 percent of births were paid by mothers themselves and/or their families (i.e. self-pay). The Indian Health Service (IHS) paid for 1.0 percent of the births in 2021, a slight increase from last year (**Table 1B-25 and Table 1B-27**).

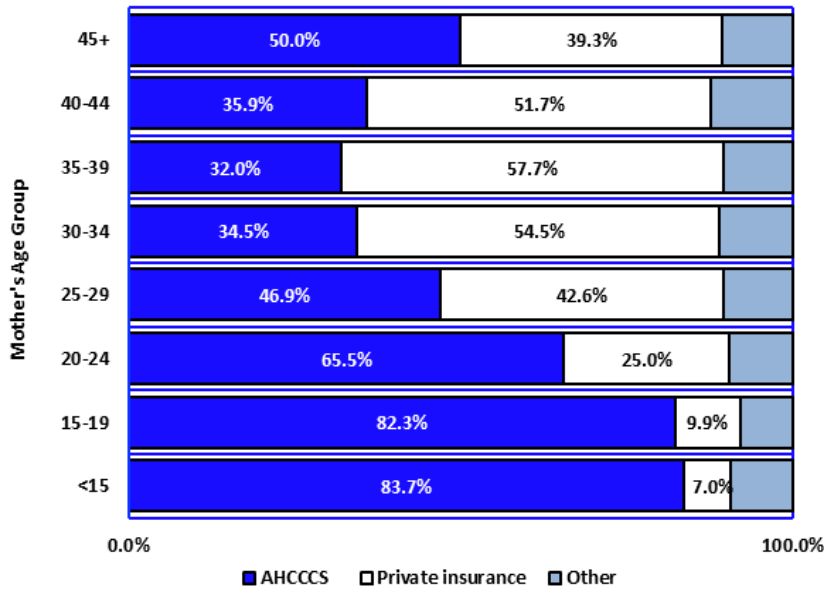
Figure 1B-16
Births by Payer and Year, Arizona, 2011-2021



Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; IHS is the Indian Health Service.

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

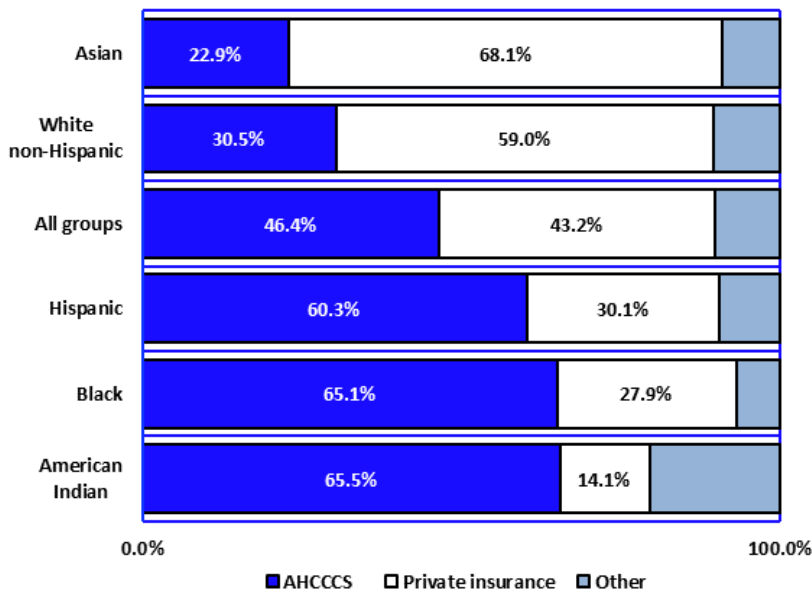
Figure 1B-17
Payer for Delivery by Mother's Age Group, Arizona, 2021



In 2021, the Arizona Health Care Cost Containment System (AHCCCS) paid for the majority of the deliveries to mothers 29 years or younger (**Figure 1B-17**). In contrast, private insurance was the largest payer for the deliveries of women aged 30 years old or older in 2021 (based on data in **Table 1B-28**).

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

Figure 1B-18
Payer for Delivery by Mother's Race/Ethnicity, Arizona, 2021



In 2021, private insurance was the largest payer for deliveries of Asian (68.1 percent) and White non-Hispanic infants (59.0 percent). In contrast, the Arizona Health Care Cost Containment System was the largest payer for deliveries of American Indian (65.5 percent), Black or African American (65.1 percent), and Hispanic or Latino infants (60.3 percent).

The Indian Health Service as a payer accounted for 17.2 percent of deliveries of American Indian or Alaska Native infants in the State (**Figure 1B-18**, based on data in **Table 1B-27**).

Hispanics or Latinos accounted for 53.9 percent of the 36,163 deliveries paid for by AHCCCS. About 28.5 percent of all AHCCCS births were to White non-Hispanic women (based on data in **Table 1B-27**).

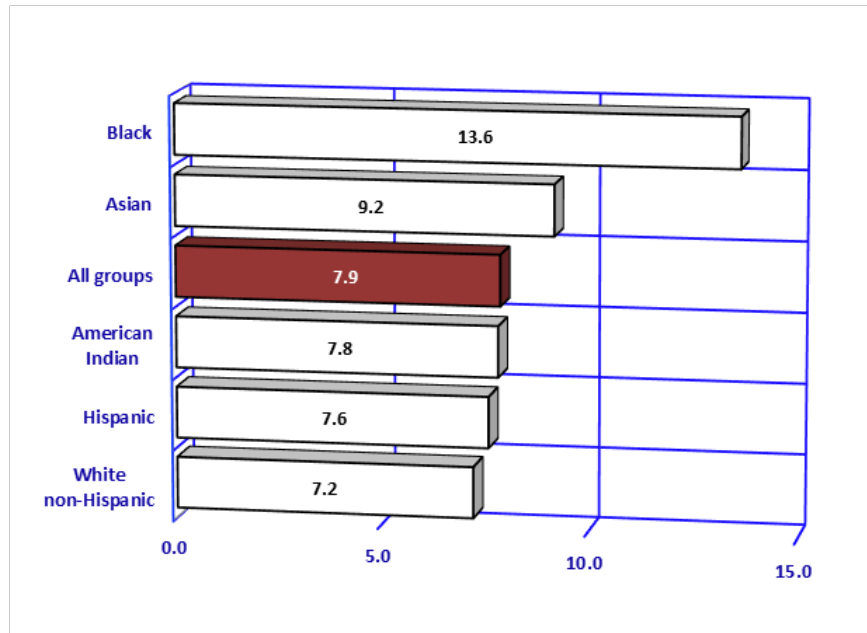
Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; Other includes Indian Health Service, self-pay, or unknown.

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

Figure 1B-19
Percent of Low Birthweight^a by Mother's Race/Ethnicity,
Arizona Residents, 2021

In 2021, 7.9 percent of all Arizona infants were born at a low birthweight (LBW), or at less than 2,500 grams (5 pounds 8 ounces).

In Arizona, LBW rates differed by mother's racial/ethnic group. LBW rates were highest for newborns of Black or African American mothers (13.6 percent), Asian or Pacific Islander mothers (9.2 percent), and American Indian mothers (7.8 percent). Newborns of Hispanic or Latino and White non-Hispanic had the lowest LBW rates among all racial/ethnic groups (Figure 1B-19, based on data in **Table 1B-25**).

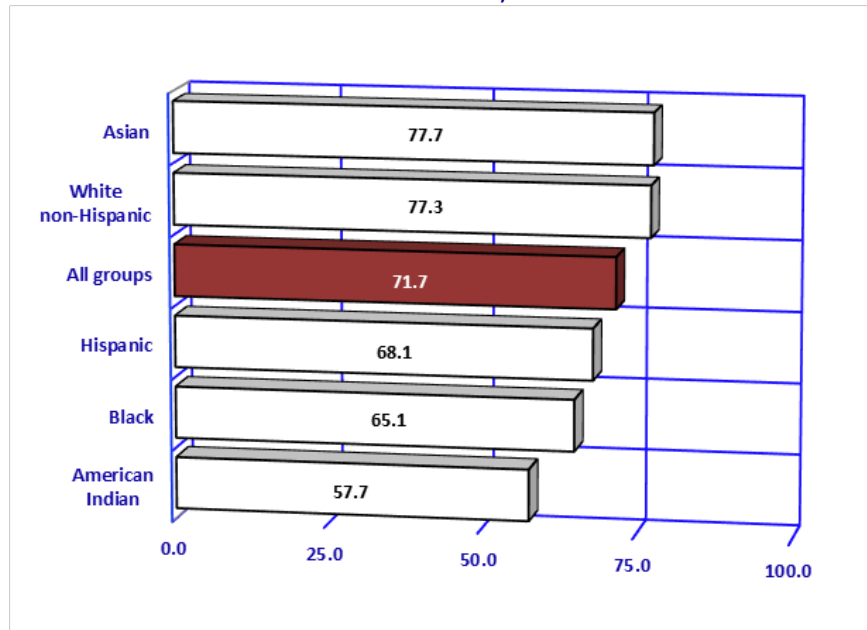


Note: ^a Low birthweight is less than 2,500 grams (less than 5 pounds 8 ounces).

The percent of Arizona mothers giving birth who received early prenatal care (i.e., in the first trimester) has decreased from 2011 (81.7 percent) to 2021 (71.7 percent; **Table 1B-2**). It should be noted that with the adoption of the 2003 revised U.S. birth certificate in 2014, trend analysis of the timing of prenatal care is compromised by significant changes in reporting of prenatal care initiation. Hence, the low proportion of women with timely entry to prenatal care from 2014-2021 may be attributable for the most part to differences in reporting. Starting in 2014, prenatal care beginning in the first trimester has largely been unchanged varying only from a low of 66.0 percent in 2014 to a high of 68.9 percent in 2016 and 2019.

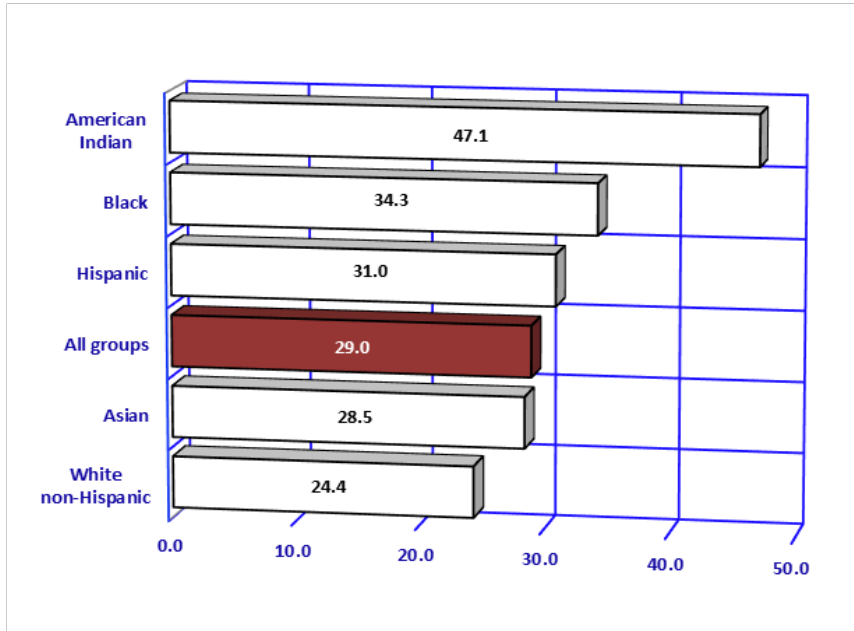
In Arizona, American Indian, Black or African American, and Hispanic or Latino mothers were least likely to begin prenatal care in the first trimester (**Figure 1B-20**). White non-Hispanic and Asian or Pacific Islander mothers were more likely to report timely entry to prenatal care than any other racial/ethnic groups (**Table 1B-25**).

Figure 1B-20
First Trimester Prenatal Care by Mother's Race/Ethnicity,
Arizona Residents, 2021



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

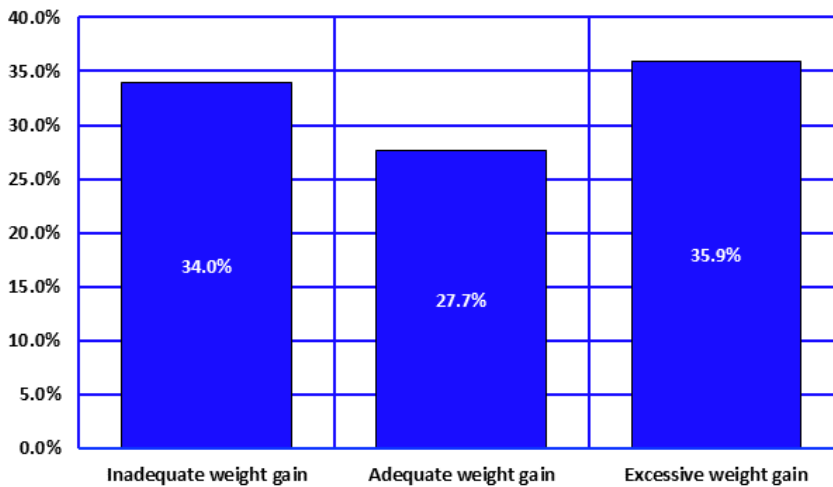
Figure 1B-21
Maternal Medical Risk Factors^a by Mother's Race/Ethnicity, Arizona, 2021



Note: ^a Births with medical risk factors reported per 100 births in specified group.

Maternal medical risk factors (such as, diabetes, hypertension, eclampsia, or sexually transmissible diseases) can contribute to serious pregnancy complications and infant deaths, if not treated properly. In 2021, with exception to White non-Hispanic and Asian mothers, all the mothers from the remaining race/ethnic groups recorded higher proportions of medical risk factors compared to all groups (**Figure 1B-21**).

Figure 1B-22
Low-Birthweight by Maternal Weight Gain during Pregnancy, Arizona, 2021



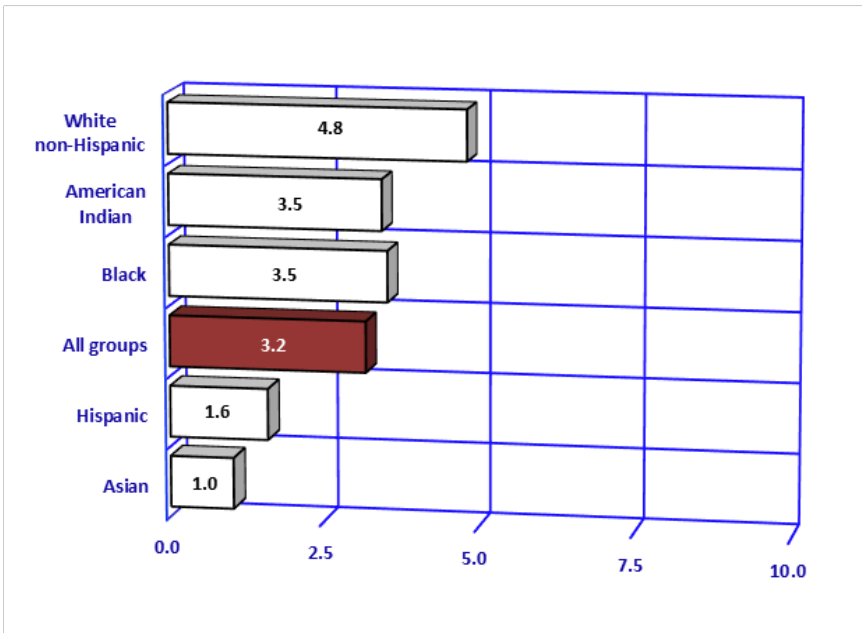
Maternal weight gain during pregnancy is a determinant of both fetal growth and birthweight. Insufficient or excessive weight gain during pregnancy can negatively influence outcomes of both mother and infant. Based on the [Institute of Medicine](#) guidelines, women who are of normal weight (body mass index or BMI 18.5-24.9) should gain 25-35 pounds during pregnancy. Underweight women (BMI <18.5) should aim to gain 28-40 pounds, while overweight women (BMI 25.0-29.9), and obese women (BMI ≥30.0) should gain 15-25 pounds and 11-20 pounds, respectively. Prior to the adoption of the 2003 revised birth certificate in 2014, it was not possible to analyze gestational weight gain in relation to mother's pre-pregnancy BMI. The revised birth certificate includes new fields (mother's height, pre-pregnancy weight, and weight at delivery) providing the opportunity to assess whether pregnancy weight gain is within the recommended range for the mother's BMI.

In 2021, the proportion of newborns with low birthweight was the lowest among mothers who gained the recommended amount of weight during pregnancy (**Figure 1B-22**).

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

Figure 1B-23
Self-reported Tobacco Use during Pregnancy^a by Race/Ethnicity, Arizona, 2021

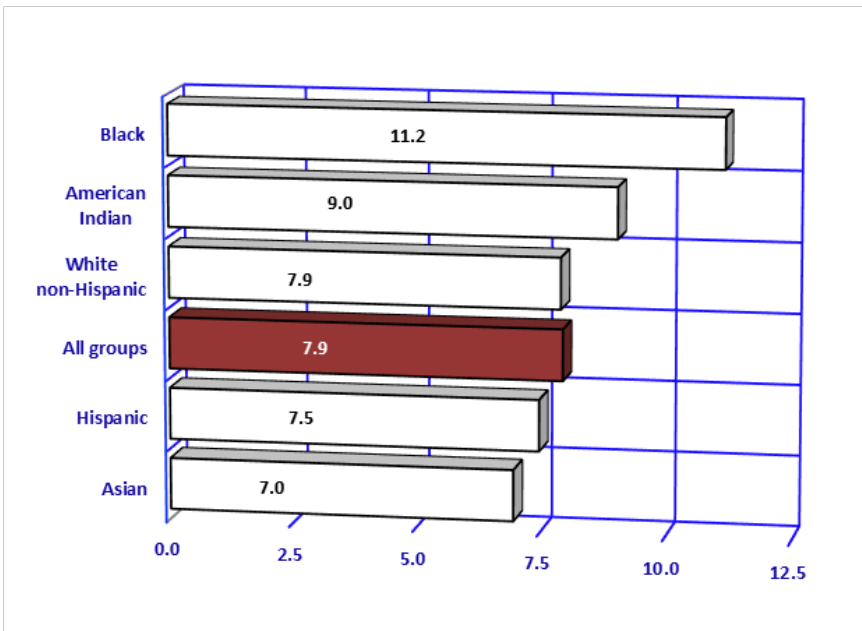
Cigarette smoking during pregnancy has been associated with reduced infant weight at birth, intrauterine growth retardation, and preterm births. Smoking during pregnancy was reported by 3.2 percent of women giving birth in 2021 (**Table 1B-25, Table 5B-30**), compared to 10.5 percent in 1989, when this information was first reported on Arizona birth certificates. It is unclear whether this decline means that women giving birth in Arizona are less likely to use tobacco during pregnancy or, perhaps, less likely to report it if they use. White non-Hispanic, American Indian, and Black mothers continued to be more likely to report smoking than Hispanic and Asian mothers (**Figure 1B-23**).



Note: ^a Mothers giving birth who reported tobacco use per 100 births in specified group.

Figure 1B-24
Rates of Admission to Newborn Intensive Care Units^a by Mother's Race/Ethnicity, Arizona, 2021

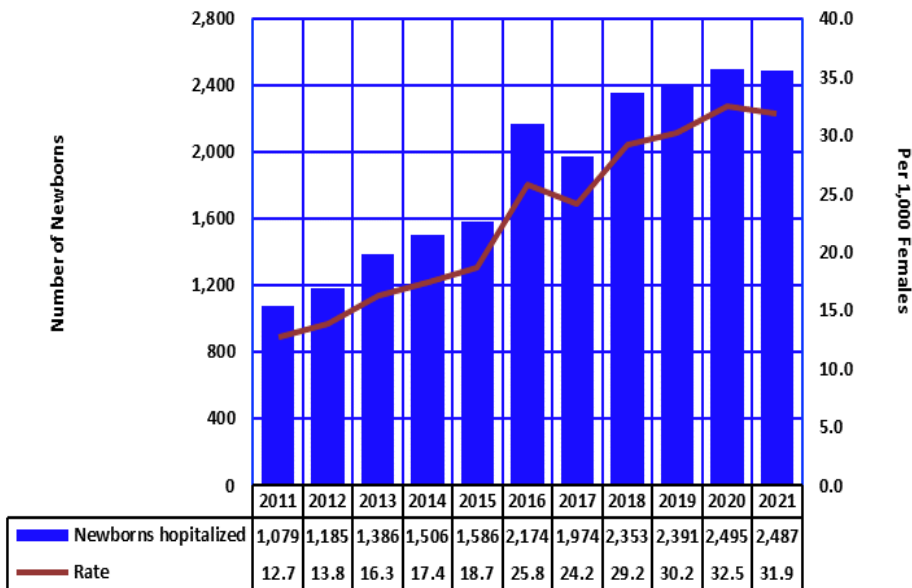
In 2021, 6,189 or 7.9 percent of newborns were admitted to newborn intensive care units (NICUs). The proportion of NICU admissions differed among racial/ethnic groups. Black or African American, American Indian, and White non-Hispanic newborns had the highest rates of NICU admissions compared the other racial/ethnic groups (**Table 1B-25**). Prematurity, i.e., gestational age before 37 weeks lead to more NICU admissions (56.7 percent) than did LBW (46.6 percent) (**Table 1B-32**).



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

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

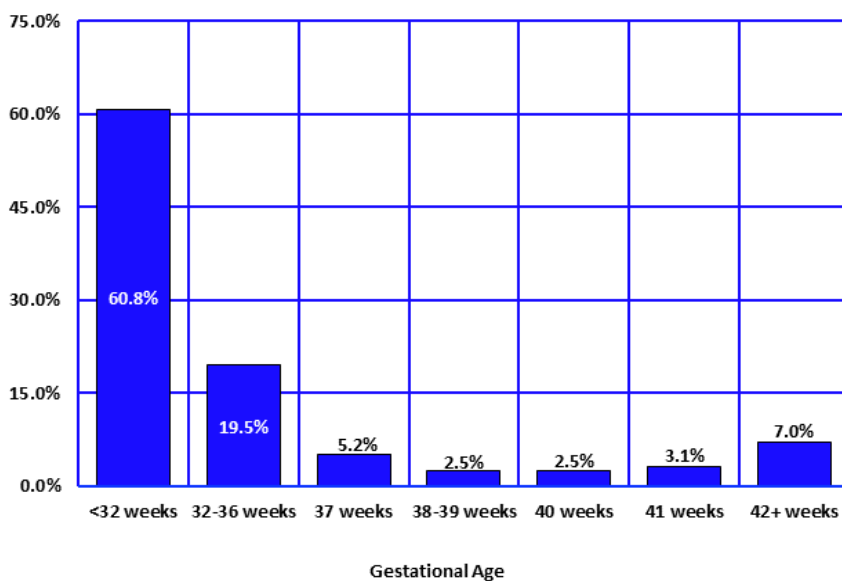
Figure 1B-25
Newborns Who Were Hospitalized after Birth because They Were Affected by Maternal Use of Drugs during Pregnancy, Arizona, 2011-2021



Information about maternal drug use during pregnancy is not reported on Arizona birth certificates. However, it can be obtained from the hospital discharge database. There are several diagnostic codes which identify exposure of fetus or newborn to specific noxious substances (such as narcotics, hallucinogenic agents, or cocaine) transmitted via placenta or breast milk. During the 11-year period under consideration, the newborn hospitalization rate due to maternal use of drugs during pregnancy increased from 12.7/1,000 in 2011 to 31.9/1,000 in 2021.

Note: Rate is the number of newborns admitted to Intensive Care Units per 1000 births in specified group.

Figure 1B-26
Abnormal Conditions of the Newborn by Gestational Age, Arizona, 2021



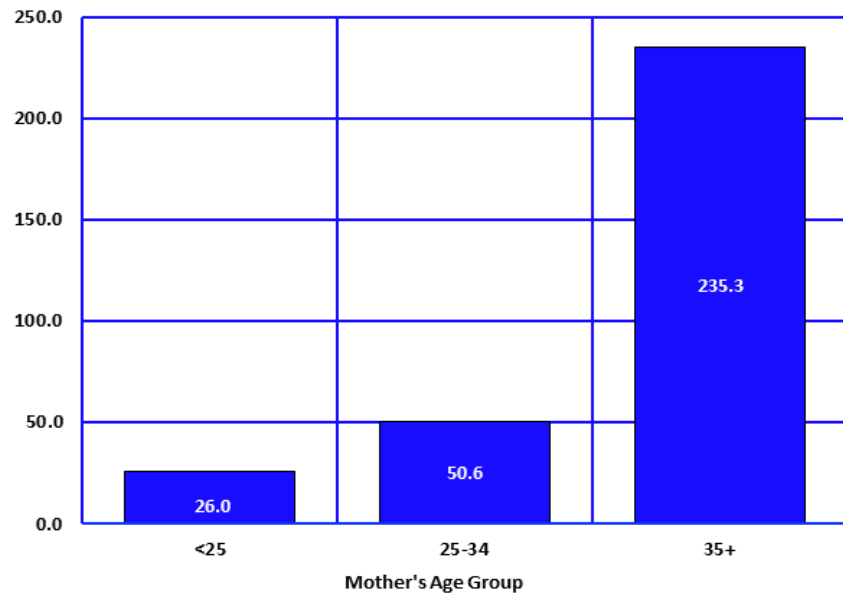
With the implementation of the revised birth certificate, three of the six specific abnormal conditions listed on the birth certificate have been reported most frequently: *assisted ventilation immediately after delivery, assisted ventilation for more than six hours, and suspected neonatal sepsis (Table 1B-32)*. The rates of abnormal conditions are the highest among the very preterm (less than 32 weeks of gestation) and moderately preterm babies (32-36 weeks of gestation; **Figure 1B-26**).

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

Figure 1B-27
The Incidence of Down Syndrome by Mother's Age Group, Arizona, 2021

Congenital anomalies (birth defects) are among the leading causes of infant death in Arizona and nationally. They are also the cause of physical defects and metabolic diseases.

For various anomalies, rates vary widely with maternal age. For example, in 2021 as in prior years, the rate of Down's Syndrome, the most frequently recognized cause of intellectual disability, was substantially higher for births to mothers aged 35 years and older (**Figure 1B-27, Table 1B-33**). The incidence rate of 235.3 cases of Down's Syndrome per 100,000 births to women 35 years or older was 9.1 times greater than the incidence rate of 26.0 for women aged 24 years or younger.



**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, 2011-2021**

| 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 |
| 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 | 1,895 | 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. | 12.4 | 62.5 | 1,858 | NA | 0.3 | 26.5 | 80.7 | 105.5 | 98.0 | 49.3 | 10.4 | 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. | 12.4 | 62.5 | 1,844 | NA | 0.2 | 22.3 | 76.8 | 104.3 | 101.5 | 51.8 | 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. | 12.2 | 62.0 | 1,821 | NA | 0.2 | 20.3 | 73.8 | 102.1 | 102.7 | 52.7 | 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. | 11.8 | 60.3 | 1,766 | NA | 0.2 | 18.8 | 71.0 | 98.0 | 100.3 | 52.3 | 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 | 1,730 | 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. | 11.4 | 58.3 | 1,706 | NA | 0.2 | 16.7 | 66.6 | 93.7 | 98.3 | 52.8 | 12.0 | 0.9 |
| 2020 | AZ | 10.7 | 55.6 | 1,634 | 802 | 0.1 | 17.0 | 67.9 | 92.9 | 91.6 | 45.9 | 10.7 | 0.6 |
| | U.S. | 10.9 | 55.7 | 1,642 | NA | 0.2 | 15.0 | 63.3 | 90.9 | 94.9 | 51.3 | 11.8 | 0.9 |
| 2021 | AZ | 10.7 | 55.6 | 1,629 | 795 | 0.2 | 15.3 | 65.2 | 94.6 | 91.9 | 47.0 | 10.8 | 0.8 |
| | U.S. | 11.0 | 56.3 | 1,664 | NA | 0.2 | 13.9 | 61.5 | 93.0 | 97.6 | 53.7 | 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 2021 TFR of 1,629 can be interpreted at the individual level as the average number of children a female resident would have by age 50 ($1,629/1000 = 2$ live births) if she were subjected throughout her life to the age-specific birth rates observed in 2021.

^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 2011-2021.

^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/nativity-dashboard.htm#>

TABLE 1B-2
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE
AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX,
BIRTH ORDER, AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(ALL RACE/ETHNIC GROUPS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------------------------------|--------|--------|--------|-------------|-------------|--------|--------|--------|--------|--------|--------|
| Number of births | 85,190 | 85,725 | 84,963 | 86,648 | 85,024 | 84,404 | 81,664 | 80,539 | 79,183 | 76,781 | 77,857 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 9.9 | 9.5 | 8.5 | 7.6 | 6.9 | 6.4 | 6.2 | 5.8 | 5.5 | 5.1 | 4.6 |
| ≥30 years | 36.1 | 36.7 | 37.2 | 38.8 | 39.3 | 40.2 | 40.9 | 42.0 | 42.6 | 43.9 | 44.9 |
| Marital status | | | | | | | | | | | |
| Unmarried | 44.3 | 45.2 | 45.1 | 44.7 | 45.3 | 44.8 | 44.4 | 44.6 | 45.0 | 45.0 | 45.2 |
| Mother's education | | | | | | | | | | | |
| <9 years | 4.6 | 4.3 | 3.8 | 3.7 | 3.5 | 3.2 | 3.1 | 3.0 | 2.8 | 2.5 | 2.3 |
| Mother's race/ethnicity | | | | | | | | | | | |
| White ^b | 45.0 | 45.1 | 45.0 | 46.3 | 44.9 | 44.7 | 43.7 | 43.3 | 43.1 | 43.1 | 43.5 |
| Hispanic | 38.0 | 38.7 | 38.9 | 38.9 | 40.3 | 40.1 | 40.6 | 41.0 | 41.1 | 41.5 | 41.5 |
| Black | 5.1 | 5.5 | 5.6 | 5.2 | 5.1 | 5.2 | 5.6 | 5.8 | 6.1 | 6.2 | 6.2 |
| American Indian | 6.8 | 6.5 | 6.4 | 5.9 | 5.9 | 6.0 | 6.0 | 5.8 | 5.6 | 5.3 | 5.0 |
| Asian | 5.0 | 4.2 | 4.1 | 3.7 | 3.8 | 4.0 | 4.1 | 4.1 | 4.0 | 3.9 | 3.9 |
| Prenatal care begin | | | | | | | | | | | |
| 1 st Trimester | 81.7 | 82.6 | 81.3 | 66.0 | 67.9 | 68.9 | 68.3 | 68.8 | 68.9 | 68.8 | 71.7 |
| 3 rd Trimester | 3.1 | 3.2 | 3.6 | 5.3 | 5.5 | 5.8 | 5.7 | 6.2 | 6.8 | 6.7 | 6.1 |
| No Care | 1.6 | 1.2 | 1.4 | 2.1 | 2.2 | 2.4 | 2.9 | 2.8 | 2.6 | 2.5 | 2.5 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 3.4 | 3.6 | 3.8 | 4.4 | 4.4 | 4.6 | 4.6 | 5.0 | 5.6 | 5.4 | 4.8 |
| ≥5 | 94.5 | 94.9 | 94.7 | 92.1 | 92.2 | 91.5 | 90.8 | 90.9 | 89.9 | 90.2 | 91.7 |
| ≥9 | 80.6 | 81.3 | 81.2 | 77.6 | 77.0 | 76.0 | 75.6 | 74.5 | 72.4 | 72.0 | 74.8 |
| ≥13 | 33.7 | 34.6 | 34.8 | 30.7 | 30.4 | 29.9 | 31.2 | 31.0 | 29.2 | 29.2 | 30.4 |
| Medical risk/ Complications^c | 46.3 | 52.4 | 55.5 | 34.5 | 39.0 | 40.7 | 42.7 | 44.2 | 46.9 | 49.1 | 50.2 |
| Gestational age^d | | | | | | | | | | | |
| Preterm (<37 weeks) | 9.3 | 9.2 | 9.0 | 9.0 | 9.0 | 9.0 | 9.3 | 9.5 | 9.3 | 9.5 | 10.0 |
| Birth weight | | | | | | | | | | | |
| <2,500 grams | 7.0 | 6.9 | 6.9 | 7.0 | 7.2 | 7.3 | 7.5 | 7.6 | 7.4 | 7.4 | 7.9 |
| <1,500 grams | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 | 1.2 | 1.2 | 1.2 | 1.1 | 1.1 | 1.3 |
| Child's sex | | | | | | | | | | | |
| Male | 51.2 | 51.2 | 51.4 | 51.3 | 51.3 | 50.9 | 50.8 | 51.2 | 51.2 | 50.9 | 51.2 |
| Female | 48.8 | 48.8 | 48.6 | 48.7 | 48.7 | 49.1 | 49.2 | 48.8 | 48.8 | 49.1 | 48.8 |
| Plurality | | | | | | | | | | | |
| Multiple births | 2.8 | 2.8 | 3.0 | 3.0 | 3.0 | 3.1 | 3.3 | 3.3 | 3.0 | 3.0 | 3.0 |
| Caesarean delivery | 27.9 | 27.6 | 27.8 | 27.7 | 27.5 | 27.5 | 26.8 | 27.5 | 27.8 | 28.4 | 28.7 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^e | 98.5 | 98.6 | 98.7 | 98.5 | 98.5 | 98.3 | 98.3 | 98.2 | 98.3 | 97.9 | 97.5 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^f | 6.4 | 7.2 | 7.4 | 10.2 | 11.8 | 12.8 | 13.5 | 13.1 | 13.9 | 13.6 | 13.1 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 62.6 | 62.7 | 63.6 | 64.0 | 64.3 | 64.8 | 64.4 | 64.2 | 63.9 | 63.1 | 63.0 |

Notes: ^a Rates per 100 births.

^b Non-Hispanic.

^c Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^d Physician's estimate.

^e Hospital, clinic, medical center or maternity home.

^f Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-3
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL
CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX,
BIRTH ORDER, AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(ALL RACE/ETHNIC GROUPS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------------|-------|-------|-------|-------------|-------------|-------|-------|-------|-------|-------|-------|
| Number of births | 5,949 | 5,946 | 5,849 | 6,069 | 6,093 | 6,186 | 6,109 | 6,106 | 5,829 | 5,650 | 6,140 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 11.6 | 10.7 | 8.9 | 7.8 | 7.8 | 7.0 | 7.1 | 6.5 | 5.7 | 5.6 | 5.3 |
| ≥30 years | 37.9 | 39.4 | 37.9 | 40.9 | 42.0 | 42.4 | 43.0 | 46.3 | 45.6 | 46.7 | 49.2 |
| Marital status | | | | | | | | | | | |
| Unmarried | 50.0 | 51.4 | 51.3 | 49.1 | 47.5 | 48.2 | 49.6 | 49.8 | 50.0 | 50.2 | 51.1 |
| Mother's education | | | | | | | | | | | |
| <9 years | 4.5 | 4.5 | 4.2 | 3.8 | 3.5 | 3.7 | 3.0 | 3.0 | 2.9 | 2.8 | 2.6 |
| Mother's race/ethnicity | | | | | | | | | | | |
| White ^b | 43.5 | 42.1 | 42.0 | 44.7 | 41.7 | 41.8 | 41.0 | 40.3 | 40.0 | 39.8 | 39.9 |
| Hispanic | 34.9 | 37.9 | 37.6 | 37.0 | 38.8 | 38.8 | 38.3 | 38.9 | 39.0 | 39.2 | 40.0 |
| Black | 9.2 | 9.3 | 8.9 | 8.8 | 8.8 | 8.5 | 9.4 | 9.4 | 10.2 | 10.8 | 10.6 |
| American Indian | 6.8 | 6.3 | 6.7 | 5.2 | 6.0 | 5.9 | 6.2 | 6.1 | 6.1 | 5.2 | 5.0 |
| Asian | 5.7 | 4.4 | 4.7 | 4.2 | 4.8 | 5.1 | 5.2 | 5.2 | 4.7 | 5.0 | 4.5 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 81.2 | 80.0 | 78.9 | 63.6 | 65.0 | 66.0 | 65.9 | 64.2 | 64.5 | 65.4 | 66.8 |
| 3rd Trimester | 2.3 | 2.7 | 3.4 | 4.1 | 3.9 | 4.5 | 4.0 | 4.8 | 4.9 | 5.3 | 4.5 |
| No Care | 3.2 | 2.9 | 2.9 | 4.8 | 5.2 | 5.0 | 5.6 | 6.9 | 6.7 | 5.6 | 5.9 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 7.3 | 8.6 | 8.2 | 8.6 | 9.4 | 9.5 | 9.4 | 10.2 | 11.4 | 11.5 | 10.0 |
| ≥5 | 88.5 | 87.9 | 88.5 | 84.8 | 83.1 | 82.6 | 82.3 | 79.6 | 78.9 | 80.0 | 82.2 |
| ≥9 | 65.0 | 65.5 | 66.4 | 60.4 | 58.1 | 57.4 | 56.1 | 52.1 | 51.9 | 51.7 | 53.5 |
| ≥13 | 28.5 | 26.7 | 27.7 | 22.1 | 20.2 | 20.1 | 21.3 | 20.1 | 19.1 | 18.4 | 19.8 |
| Medical risks/ | | | | | | | | | | | |
| Complications^c | 69.2 | 73.2 | 72.5 | 58.9 | 60.0 | 62.0 | 65.1 | 68.7 | 68.5 | 70.5 | 70.0 |
| Gestational age^d | | | | | | | | | | | |
| Preterm (<37 weeks) | 70.1 | 71.2 | 70.2 | 69.4 | 68.8 | 68.7 | 67.8 | 69.2 | 68.5 | 69.3 | 70.2 |
| Birth weight | | | | | | | | | | | |
| <1,500 grams | 16.8 | 16.6 | 15.8 | 16.8 | 16.0 | 16.3 | 15.8 | 16.1 | 15.5 | 15.6 | 16.0 |
| <1,000 grams | 8.3 | 8.1 | 7.4 | 8.4 | 7.4 | 8.0 | 7.7 | 7.8 | 7.2 | 7.8 | 7.7 |
| Child's sex | | | | | | | | | | | |
| Male | 46.8 | 48.7 | 49.3 | 47.7 | 47.4 | 48.0 | 46.9 | 47.2 | 48.0 | 47.9 | 46.8 |
| Female | 53.2 | 51.3 | 50.7 | 52.3 | 52.6 | 52.0 | 53.1 | 52.8 | 52.0 | 52.1 | 53.2 |
| Plurality | | | | | | | | | | | |
| Multiple births | 22.8 | 23.0 | 24.4 | 23.7 | 22.5 | 23.9 | 22.8 | 24.6 | 22.7 | 22.4 | 21.3 |
| Caesarean delivery | 46.8 | 47.7 | 47.6 | 47.4 | 48.6 | 48.4 | 47.0 | 49.1 | 50.1 | 50.1 | 51.8 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^e | 99.4 | 99.7 | 99.7 | 99.7 | 99.5 | 99.4 | 99.3 | 99.6 | 99.4 | 99.3 | 99.5 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^f | 2.3 | 2.5 | 2.7 | 9.5 | 10.5 | 11.0 | 12.3 | 11.8 | 12.9 | 12.6 | 11.9 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 59.6 | 61.4 | 60.5 | 61.4 | 60.9 | 61.0 | 60.7 | 61.8 | 61.2 | 59.8 | 61.1 |

Notes: ^a Rates per 100 births.

^b Non-Hispanic.

^c Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^d Physician's estimate.

^e Hospital, clinic, medical center or maternity home.

^f Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-4
ALL LIVE BIRTHS AND LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED
MATERNAL, PRENATAL CARE, DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY,
CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(URBAN REGIONS)^b

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------------------------|-----------------------|--------|--------|-------------|-------------|--------|--------|--------|--------|--------|--------|
| Number of births | 73,040 | 74,128 | 73,493 | 74,677 | 73,547 | 72,899 | 70,780 | 69,890 | 68,797 | 66,845 | 67,950 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 9.4 | 9.0 | 8.2 | 7.3 | 6.6 | 6.1 | 5.8 | 5.5 | 5.2 | 4.9 | 4.3 |
| ≥30 years | 37.4 | 37.9 | 38.4 | 40.0 | 40.6 | 41.2 | 42.0 | 43.1 | 43.5 | 44.8 | 45.9 |
| Marital status | | | | | | | | | | | |
| Unmarried | 43.2 | 44.1 | 44.1 | 43.6 | 44.1 | 43.7 | 43.2 | 43.4 | 43.9 | 44.0 | 44.2 |
| Mother's education | | | | | | | | | | | |
| <9 years | 4.9 | 4.7 | 4.0 | 3.9 | 3.7 | 3.5 | 3.2 | 3.1 | 3.0 | 2.6 | 2.5 |
| Mother's race/ethnicity | | | | | | | | | | | |
| White ^c | 45.0 | 44.6 | 44.3 | 45.7 | 44.5 | 44.0 | 43.1 | 42.6 | 42.2 | 42.2 | 42.3 |
| Hispanic | 40.5 | 40.9 | 41.3 | 41.3 | 42.5 | 42.5 | 43.0 | 43.2 | 43.4 | 43.7 | 43.7 |
| Black | 5.7 | 6.1 | 6.2 | 5.9 | 5.8 | 5.9 | 6.3 | 6.5 | 6.9 | 6.9 | 6.9 |
| American Indian | 3.7 | 3.7 | 3.7 | 3.1 | 3.1 | 3.2 | 3.1 | 3.2 | 3.1 | 3.0 | 2.8 |
| Asian | 5.0 | 4.7 | 4.5 | 4.0 | 4.2 | 4.4 | 4.5 | 4.4 | 4.4 | 4.2 | 4.2 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 82.5 | 83.4 | 82.1 | 66.6 | 68.3 | 69.4 | 68.7 | 69.5 | 69.9 | 69.4 | 72.5 |
| 3rd Trimester | 2.9 | 3.1 | 3.5 | 5.2 | 5.3 | 5.6 | 5.4 | 6.1 | 6.6 | 6.5 | 5.9 |
| No care | 1.6 | 1.2 | 1.3 | 2.1 | 2.1 | 2.3 | 2.8 | 2.6 | 2.3 | 2.3 | 2.4 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 3.0 | 3.2 | 3.5 | 4.0 | 4.1 | 4.3 | 4.2 | 4.7 | 5.3 | 5.2 | 4.5 |
| ≥5 | 94.8 | 95.3 | 95.1 | 92.4 | 92.6 | 91.9 | 91.2 | 91.5 | 90.5 | 90.7 | 92.3 |
| ≥9 | 81.8 | 82.4 | 82.3 | 78.7 | 78.2 | 77.1 | 76.7 | 75.6 | 73.2 | 72.8 | 75.8 |
| ≥13 | 34.1 | 35.1 | 35.3 | 31.1 | 31.0 | 30.1 | 31.7 | 31.7 | 29.8 | 29.8 | 31.2 |
| Medical risks/complications^d | 47.2 | 52.5 | 56.1 | 34.5 | 39.4 | 41.4 | 43.1 | 44.7 | 47.5 | 49.7 | 50.8 |
| Gestational age^e | Preterm (<37 weeks) | 9.4 | 9.2 | 9.1 | 9.1 | 9.0 | 9.0 | 9.2 | 9.5 | 9.3 | 10.0 |
| Birth weight | | | | | | | | | | | |
| <2,500 grams | 6.9 | 6.9 | 6.8 | 7.0 | 7.1 | 7.2 | 7.4 | 7.6 | 7.3 | 7.3 | 7.8 |
| <1,500 grams | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 | 1.2 | 1.2 | 1.2 | 1.1 | 1.1 | 1.3 |
| Child's sex | | | | | | | | | | | |
| Male | 51.2 | 51.2 | 51.4 | 51.3 | 51.3 | 51.0 | 50.7 | 51.1 | 51.3 | 50.8 | 51.1 |
| Female | 48.8 | 48.8 | 48.6 | 48.7 | 48.7 | 49.0 | 49.3 | 48.9 | 48.7 | 49.2 | 48.9 |
| Plurality | Multiple births | 2.9 | 2.9 | 3.1 | 3.1 | 3.0 | 3.2 | 3.3 | 3.0 | 3.0 | 3.0 |
| Caesarean delivery | | | | | | | | | | | |
| | 28.3 | 27.9 | 28.1 | 28.1 | 27.9 | 27.7 | 27.2 | 27.7 | 28.0 | 28.8 | 29.0 |
| Place of delivery | Hospital ^f | 98.8 | 98.7 | 98.7 | 98.7 | 98.6 | 98.4 | 98.4 | 98.3 | 98.4 | 97.6 |
| Attendant at birth | Midwife ^g | 5.2 | 6.3 | 6.3 | 10.1 | 12.1 | 13.0 | 13.1 | 14.1 | 13.6 | 13.2 |
| Previous live births | 1 or more | 62.4 | 62.6 | 63.4 | 63.7 | 64.0 | 64.0 | 63.9 | 63.6 | 62.7 | 62.5 |
| Number of LBW births | 5,065 | 5,096 | 5,013 | 5,232 | 5,199 | 5,270 | 5,224 | 5,277 | 5,030 | 4,886 | 5,326 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 10.9 | 10.2 | 8.8 | 7.3 | 7.4 | 6.3 | 6.9 | 6.1 | 5.8 | 5.4 | 5.2 |
| ≥30 years | 39.3 | 40.4 | 39.3 | 42.0 | 43.6 | 44.2 | 44.1 | 47.5 | 46.3 | 47.6 | 50.2 |
| Marital status | Unmarried | 49.0 | 50.1 | 50.8 | 48.3 | 49.5 | 47.1 | 48.4 | 48.1 | 49.0 | 50.3 |
| Mother's education | <9 years | 4.9 | 4.7 | 4.3 | 4.0 | 3.6 | 3.9 | 3.2 | 3.0 | 2.8 | 2.7 |
| Mother's race/ethnicity | | | | | | | | | | | |
| White ^c | 42.8 | 41.1 | 40.9 | 43.3 | 40.4 | 41.1 | 40.2 | 39.9 | 38.9 | 38.5 | 38.4 |
| Hispanic | 37.2 | 40.2 | 39.8 | 39.4 | 41.3 | 40.8 | 40.6 | 40.7 | 41.2 | 41.0 | 41.9 |
| Black | 10.3 | 10.4 | 10.2 | 9.9 | 10.0 | 9.7 | 10.8 | 10.5 | 11.6 | 12.1 | 12.1 |
| American Indian | 3.4 | 3.3 | 4.0 | 2.7 | 3.0 | 2.8 | 2.7 | 3.2 | 3.0 | 2.8 | 2.8 |
| Asian | 6.3 | 4.9 | 5.1 | 4.6 | 5.3 | 5.7 | 5.6 | 5.7 | 5.2 | 5.6 | 4.8 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 81.9 | 80.5 | 79.8 | 63.8 | 66.0 | 66.8 | 66.7 | 65.2 | 66.0 | 66.4 | 67.8 |
| 3rd Trimester | 2.0 | 2.6 | 3.3 | 4.1 | 3.8 | 4.3 | 3.8 | 4.7 | 4.8 | 5.1 | 4.3 |
| No care | 3.0 | 2.8 | 2.7 | 4.9 | 4.8 | 4.3 | 5.3 | 6.2 | 5.7 | 5.3 | 5.8 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 7.0 | 7.8 | 7.8 | 8.4 | 8.9 | 8.6 | 8.7 | 9.7 | 11.0 | 11.6 | 9.6 |
| ≥5 | 88.8 | 88.9 | 89.1 | 84.8 | 84.1 | 84.0 | 83.3 | 81.0 | 80.1 | 80.6 | 83.0 |
| ≥9 | 65.8 | 66.5 | 67.7 | 60.8 | 59.6 | 58.6 | 57.7 | 53.7 | 52.7 | 52.4 | 54.2 |
| ≥13 | 29.1 | 27.3 | 28.4 | 22.6 | 20.6 | 20.6 | 21.8 | 21.0 | 19.3 | 18.5 | 20.3 |
| Medical risks/complications^d | 70.8 | 74.2 | 73.7 | 59.0 | 60.0 | 61.7 | 65.3 | 68.3 | 68.6 | 70.2 | 70.0 |
| Gestational age^e | Preterm (<37 weeks) | 71.2 | 71.3 | 70.8 | 70.7 | 69.5 | 69.5 | 67.7 | 69.6 | 68.4 | 71.1 |
| Birth weight | | | | | | | | | | | |
| <1,500 grams | 17.4 | 16.9 | 15.9 | 17.0 | 16.0 | 16.6 | 15.7 | 16.0 | 15.3 | 15.4 | 16.4 |
| <1,000 grams | 8.7 | 8.4 | 7.6 | 8.6 | 7.7 | 8.2 | 7.9 | 7.7 | 7.3 | 7.7 | 7.9 |
| Child's sex | | | | | | | | | | | |
| Male | 47.0 | 48.6 | 49.2 | 48.1 | 47.8 | 48.3 | 46.8 | 46.9 | 48.2 | 48.3 | 47.1 |
| Female | 53.0 | 51.4 | 50.8 | 51.9 | 52.2 | 51.7 | 53.2 | 53.1 | 51.8 | 51.7 | 52.9 |
| Plurality | Multiple births | 23.3 | 23.9 | 25.2 | 24.3 | 23.4 | 24.6 | 23.9 | 25.4 | 23.0 | 21.6 |
| Caesarean delivery | | | | | | | | | | | |
| | 47.7 | 48.7 | 48.0 | 48.3 | 49.2 | 48.8 | 47.5 | 49.4 | 50.5 | 50.7 | 52.3 |
| Place of delivery | Hospital ^f | 99.5 | 99.8 | 99.8 | 99.8 | 99.7 | 99.6 | 99.5 | 99.8 | 99.4 | 99.5 |
| Attendant at birth | Midwife ^g | 1.6 | 2.0 | 2.2 | 9.5 | 10.6 | 11.0 | 12.3 | 11.9 | 13.2 | 11.9 |
| Previous live births | 1 or more | 59.2 | 61.2 | 60.0 | 61.4 | 60.6 | 61.0 | 60.2 | 61.4 | 60.3 | 60.4 |

Notes: ^a Rates per 100 births.

^b Urban = Maricopa, Pima, Pinal, and Yuma counties. The remaining counties comprise Arizona's rural areas; see Technical Notes for more information.

^c Non-Hispanic.

^d Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^e Physician's estimate.

^f Hospital, clinic, medical center or maternity home.

^g Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-5
ALL LIVE BIRTHS AND LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED
MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY,
CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(RURAL REGIONS)^b**

| Characteristic | | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------------------------|-----------------------|--------|--------|--------|-------------|-------------|--------|--------|--------|--------|-------|-------|
| Number of births | | 12,150 | 11,597 | 11,470 | 11,955 | 11,467 | 11,502 | 10,873 | 10,640 | 10,368 | 9,881 | 9,810 |
| Age of mother | ≤19 years | 12.7 | 12.2 | 10.6 | 9.8 | 9.0 | 8.5 | 8.3 | 7.5 | 6.9 | 6.7 | 6.5 |
| | ≥30 years | 28.2 | 29.3 | 29.4 | 31.3 | 30.9 | 33.4 | 33.9 | 34.7 | 36.2 | 37.6 | 38.1 |
| Marital status | Unmarried | 51.0 | 52.4 | 52.0 | 51.7 | 53.0 | 51.8 | 52.8 | 52.3 | 52.2 | 51.6 | 52.5 |
| Mother's education | <9 years | 2.5 | 2.2 | 2.4 | 2.3 | 1.9 | 1.8 | 1.9 | 1.9 | 1.7 | 1.8 | 1.5 |
| Mother's race/ethnicity | White ^c | 47.9 | 48.7 | 49.1 | 49.8 | 47.7 | 49.3 | 47.5 | 47.9 | 48.7 | 49.3 | 51.2 |
| | Hispanic | 23.0 | 24.1 | 24.0 | 24.2 | 26.4 | 25.3 | 25.1 | 26.3 | 26.3 | 26.9 | 26.1 |
| | Black | 1.4 | 1.5 | 1.3 | 0.9 | 0.9 | 1.0 | 1.1 | 1.0 | 1.0 | 1.2 | 1.2 |
| | American Indian | 25.7 | 24.2 | 24.0 | 23.5 | 23.6 | 23.2 | 24.7 | 23.2 | 22.6 | 20.9 | 20.2 |
| | Asian | 2.0 | 1.5 | 1.7 | 1.5 | 1.4 | 1.2 | 1.6 | 1.6 | 1.4 | 1.7 | 1.4 |
| Prenatal care began | 1st Trimester | 77.1 | 77.7 | 76.3 | 62.5 | 64.8 | 65.4 | 65.4 | 64.0 | 62.4 | 64.3 | 66.7 |
| | 3rd Trimester | 4.1 | 4.3 | 4.1 | 6.3 | 6.7 | 7.3 | 7.3 | 7.1 | 8.0 | 7.6 | 7.1 |
| | No care | 1.5 | 1.5 | 2.2 | 1.9 | 3.0 | 3.0 | 3.1 | 4.1 | 4.1 | 3.3 | 3.1 |
| Prenatal visits | 1-4 | 5.7 | 5.7 | 5.6 | 6.6 | 6.2 | 7.0 | 7.4 | 7.0 | 7.3 | 6.9 | 6.7 |
| | ≥5 | 92.3 | 92.4 | 92.0 | 90.5 | 89.9 | 89.1 | 88.5 | 86.9 | 85.9 | 86.8 | 88.3 |
| | ≥9 | 73.3 | 73.9 | 73.8 | 71.1 | 69.5 | 69.1 | 68.4 | 67.3 | 66.6 | 66.4 | 68.3 |
| | ≥13 | 31.2 | 31.0 | 31.7 | 28.3 | 26.7 | 28.4 | 28.2 | 26.4 | 25.0 | 25.4 | 25.4 |
| Medical risks/complications^d | | 41.1 | 52.0 | 51.8 | 34.1 | 36.7 | 37.8 | 39.8 | 41.3 | 43.1 | 45.2 | 46.2 |
| Gestational age^e | Preterm (<37 weeks) | 8.8 | 9.1 | 8.7 | 8.3 | 8.9 | 9.1 | 9.6 | 9.3 | 9.4 | 9.5 | 10.1 |
| Birth weight | <2,500 grams | 7.3 | 7.3 | 7.3 | 7.0 | 7.8 | 8.0 | 8.1 | 7.8 | 7.7 | 7.7 | 8.2 |
| | <1,500 grams | 1.0 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.1 |
| Child's sex | Male | 51.3 | 51.2 | 51.3 | 51.1 | 51.0 | 50.3 | 51.6 | 51.9 | 50.7 | 51.4 | 51.5 |
| | Female | 48.7 | 48.8 | 48.7 | 48.9 | 49.0 | 49.7 | 48.4 | 48.1 | 49.3 | 48.6 | 48.5 |
| Plurality | Multiple births | 2.6 | 2.2 | 2.4 | 2.5 | 2.6 | 2.9 | 2.9 | 2.7 | 2.7 | 2.8 | 2.7 |
| Caesarean delivery | | 25.8 | 25.7 | 25.8 | 25.2 | 25.0 | 26.2 | 24.6 | 26.1 | 25.8 | 25.7 | 26.0 |
| Place of delivery | Hospital ^f | 97.0 | 98.0 | 98.2 | 97.7 | 97.6 | 97.3 | 97.1 | 97.4 | 97.6 | 97.1 | 96.7 |
| Attendant at birth | Midwife ^g | 14.0 | 13.4 | 14.2 | 10.7 | 10.2 | 11.3 | 11.2 | 13.1 | 12.8 | 13.9 | 13.0 |
| Previous live births | 1 or more | 63.8 | 63.3 | 64.8 | 66.0 | 65.8 | 66.3 | 67.1 | 66.5 | 65.8 | 65.3 | 65.7 |
| Number of LBW births | | 884 | 850 | 836 | 835 | 891 | 916 | 884 | 827 | 799 | 758 | 803 |
| Age of mother | ≤19 years | 15.5 | 13.9 | 9.7 | 11.3 | 10.3 | 10.6 | 8.6 | 9.1 | 5.0 | 7.1 | 6.0 |
| | ≥30 years | 30.1 | 32.8 | 29.9 | 34.5 | 32.8 | 32.3 | 36.5 | 38.8 | 40.7 | 40.6 | 42.8 |
| Marital status | Unmarried | 55.7 | 59.1 | 54.2 | 53.9 | 57.1 | 54.3 | 56.3 | 60.5 | 55.9 | 57.9 | 56.8 |
| Mother's education | <9 years | 2.3 | 3.1 | 3.0 | 2.3 | 2.5 | 2.3 | 1.9 | 1.6 | 2.3 | 3.0 | 1.7 |
| Mother's race/ethnicity | White ^c | 47.3 | 48.1 | 49.2 | 53.5 | 49.2 | 46.0 | 45.7 | 43.0 | 46.7 | 48.0 | 49.1 |
| | Hispanic | 21.6 | 24.2 | 24.4 | 22.0 | 24.2 | 27.4 | 24.5 | 27.7 | 25.3 | 27.7 | 27.4 |
| | Black | 2.6 | 2.2 | 1.4 | 2.2 | 1.5 | 1.6 | 0.9 | 2.2 | 1.6 | 2.0 | 1.4 |
| | American Indian | 26.2 | 24.0 | 22.8 | 20.7 | 23.2 | 23.5 | 26.6 | 24.8 | 25.2 | 21.0 | 19.7 |
| | Asian | 2.3 | 1.4 | 2.2 | 1.6 | 1.9 | 1.5 | 2.3 | 2.3 | 1.3 | 1.3 | 2.5 |
| Prenatal care began | 1st Trimester | 77.3 | 76.5 | 74.0 | 62.5 | 59.5 | 61.6 | 61.4 | 58.2 | 55.3 | 59.4 | 61.0 |
| | 3rd Trimester | 3.5 | 3.4 | 4.2 | 4.0 | 5.1 | 5.6 | 5.0 | 5.3 | 5.1 | 6.5 | 5.5 |
| | No care | 4.0 | 3.8 | 4.1 | 4.0 | 7.3 | 8.7 | 7.2 | 11.2 | 12.4 | 7.4 | 6.2 |
| Prenatal visits | 1-4 | 8.7 | 13.1 | 10.3 | 9.7 | 12.2 | 14.3 | 13.1 | 13.3 | 13.5 | 10.6 | 13.0 |
| | ≥5 | 86.2 | 82.0 | 84.7 | 84.9 | 77.6 | 74.7 | 77.0 | 70.9 | 71.1 | 76.8 | 77.5 |
| | ≥9 | 60.4 | 59.2 | 58.9 | 58.2 | 49.5 | 50.0 | 46.9 | 41.5 | 46.4 | 48.2 | 49.1 |
| | ≥13 | 25.2 | 22.9 | 23.3 | 19.2 | 17.8 | 17.6 | 18.8 | 14.1 | 17.8 | 17.4 | 17.1 |
| Medical risks/complications^d | | 60.2 | 67.4 | 65.4 | 58.0 | 59.9 | 63.9 | 63.6 | 70.9 | 68.0 | 72.2 | 70.4 |
| Gestational age^e | Preterm (<37 weeks) | 64.0 | 70.5 | 66.6 | 61.0 | 65.2 | 63.6 | 67.9 | 66.5 | 68.8 | 64.2 | 64.4 |
| Birth weight | <1,500 grams | 13.5 | 14.5 | 15.7 | 15.3 | 10.0 | 14.7 | 16.4 | 17.0 | 16.3 | 16.5 | 13.6 |
| | <1,000 grams | 6.0 | 6.2 | 6.3 | 7.1 | 5.7 | 6.7 | 6.7 | 8.6 | 6.6 | 8.2 | 6.1 |
| Child's sex | Male | 45.9 | 49.2 | 50.0 | 45.0 | 44.6 | 46.4 | 47.9 | 49.0 | 47.1 | 45.6 | 45.2 |
| | Female | 54.1 | 50.8 | 50.0 | 55.0 | 55.4 | 53.6 | 52.1 | 51.0 | 52.9 | 54.4 | 54.8 |
| Plurality | Multiple births | 20.5 | 17.9 | 19.5 | 20.2 | 17.5 | 19.8 | 16.5 | 19.2 | 20.9 | 20.3 | 19.2 |
| Caesarean delivery | | 41.4 | 41.8 | 45.5 | 42.3 | 45.2 | 46.0 | 44.3 | 47.2 | 47.6 | 46.0 | 48.4 |
| Place of delivery | Hospital ^f | 98.5 | 98.9 | 99.2 | 99.0 | 98.4 | 98.1 | 98.0 | 98.8 | 99.5 | 98.8 | 99.1 |
| Attendant at birth | Midwife ^g | 6.3 | 5.2 | 5.7 | 9.2 | 9.7 | 10.7 | 11.9 | 11.4 | 10.6 | 13.9 | 12.0 |
| Previous live births | 1 or more | 62.2 | 62.4 | 63.3 | 61.1 | 62.3 | 61.0 | 63.7 | 64.1 | 66.8 | 59.9 | 65.5 |

Notes: ^a Rates per 100 births.

^b Rural = Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Mohave, Navajo, Santa Cruz, and Yavapai counties; the remaining counties comprise Arizona's urban areas; see Technical Notes for more information.

^c Non-Hispanic.

^d Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^e Physician's estimate.

^f Hospital, clinic, medical center or maternity home.

^g Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-6
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(WHITE NON-HISPANIC MOTHERS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of births | 38,294 | 38,670 | 38,220 | 40,097 | 38,180 | 37,762 | 35,685 | 34,909 | 34,118 | 33,101 | 33,851 |
| Age of mother | | | | | | | | | | | |
| ≤19 Years | 5.5 | 5.1 | 4.7 | 4.4 | 4.0 | 3.6 | 3.3 | 3.1 | 2.9 | 2.7 | 2.4 |
| ≥30 Years | 41.5 | 42.9 | 43.2 | 45.1 | 45.6 | 47.0 | 48.0 | 49.2 | 49.3 | 51.1 | 52.2 |
| Marital status | | | | | | | | | | | |
| Unmarried | 29.5 | 30.4 | 30.3 | 31.1 | 31.5 | 31.3 | 30.7 | 31.1 | 31.3 | 31.1 | 30.5 |
| Mother's education | | | | | | | | | | | |
| <9 years | 1.2 | 1.0 | 0.8 | 0.7 | 0.8 | 0.6 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 88.0 | 88.4 | 87.4 | 71.7 | 73.2 | 74.7 | 74.6 | 75.7 | 75.8 | 75.1 | 77.3 |
| 3rd Trimester | 1.8 | 1.8 | 2.0 | 3.5 | 3.7 | 3.9 | 4.2 | 4.3 | 4.8 | 4.7 | 4.5 |
| No Care | 0.6 | 0.6 | 0.7 | 1.1 | 1.3 | 1.4 | 1.6 | 1.6 | 1.5 | 1.5 | 1.7 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 1.7 | 2.0 | 2.1 | 2.6 | 2.7 | 2.8 | 3.1 | 3.2 | 3.7 | 3.6 | 3.2 |
| ≥5 | 97.1 | 97.1 | 97.1 | 94.8 | 94.5 | 94.0 | 93.8 | 94.0 | 92.6 | 92.6 | 94.0 |
| ≥9 | 86.9 | 87.3 | 87.2 | 83.7 | 83.2 | 82.2 | 82.0 | 81.5 | 78.8 | 77.8 | 80.3 |
| ≥13 | 39.7 | 41.2 | 41.9 | 36.6 | 36.2 | 35.5 | 37.3 | 36.8 | 33.1 | 32.5 | 33.2 |
| Medical risks/ Complications^b | 46.1 | 50.6 | 55.1 | 32.8 | 35.4 | 37.9 | 39.7 | 40.3 | 43.3 | 45.4 | 46.4 |
| Gestational Age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 9.1 | 8.7 | 8.4 | 8.6 | 8.6 | 8.5 | 8.6 | 8.9 | 8.7 | 8.9 | 9.5 |
| Birth weight | | | | | | | | | | | |
| <2,500 grams | 6.7 | 6.5 | 6.4 | 6.8 | 6.6 | 6.8 | 7.0 | 7.1 | 6.8 | 6.8 | 7.2 |
| <1,500 grams | 1.1 | 1.0 | 1.0 | 1.1 | 1.0 | 1.1 | 1.0 | 1.1 | 1.0 | 1.0 | 1.1 |
| Child's sex | | | | | | | | | | | |
| Male | 51.1 | 51.3 | 51.3 | 51.3 | 51.6 | 50.9 | 50.7 | 51.5 | 51.7 | 50.6 | 51.5 |
| Female | 48.9 | 48.7 | 48.7 | 48.7 | 48.4 | 49.1 | 49.3 | 48.5 | 48.3 | 49.4 | 48.5 |
| Plurality | | | | | | | | | | | |
| Multiple births | 3.5 | 3.4 | 3.6 | 3.7 | 3.4 | 3.8 | 3.9 | 3.7 | 3.5 | 3.4 | 3.3 |
| Caesarean delivery | 29.4 | 28.7 | 28.4 | 28.8 | 28.1 | 28.0 | 27.2 | 27.4 | 27.8 | 28.3 | 28.5 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 97.4 | 97.4 | 97.6 | 97.4 | 97.2 | 96.9 | 96.9 | 96.8 | 97.0 | 96.4 | 95.8 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 4.9 | 6.0 | 6.5 | 12.6 | 14.1 | 15.1 | 15.6 | 15.4 | 16.4 | 16.1 | 15.9 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 59.2 | 59.6 | 60.5 | 60.9 | 61.5 | 62.2 | 61.7 | 62.0 | 61.3 | 60.6 | 61.1 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-7
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(WHITE NON-HISPANIC MOTHERS)**

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of LBW births | 2,586 | 2,505 | 2,459 | 2,715 | 2,538 | 2,585 | 2,507 | 2,463 | 2,331 | 2,248 | 2,449 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 6.8 | 6.5 | 5.2 | 4.8 | 5.5 | 4.3 | 4.4 | 3.7 | 3.3 | 2.9 | 3.2 |
| ≥30 years | 44.8 | 45.5 | 42.5 | 47.5 | 47.8 | 49.5 | 49.9 | 54.1 | 50.6 | 52.7 | 55.0 |
| Marital status | | | | | | | | | | | |
| Unmarried | 36.2 | 37.2 | 36.9 | 37.9 | 39.9 | 35.8 | 37.5 | 37.0 | 39.3 | 37.6 | 37.8 |
| Mother's education | | | | | | | | | | | |
| <9 years | 1.5 | 1.4 | 1.6 | 1.1 | 0.9 | 0.8 | 0.7 | 1.0 | 0.9 | 1.0 | 1.3 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 86.4 | 84.2 | 83.9 | 69.4 | 71.1 | 70.9 | 71.5 | 70.8 | 69.5 | 71.6 | 70.7 |
| 3rd Trimester | 1.4 | 2.0 | 2.2 | 3.2 | 3.0 | 3.8 | 3.7 | 3.8 | 3.9 | 4.3 | 3.3 |
| No Care | 1.7 | 2.2 | 1.6 | 3.4 | 3.9 | 3.6 | 3.8 | 5.0 | 4.4 | 4.4 | 5.5 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 4.5 | 6.1 | 5.6 | 6.0 | 7.8 | 7.0 | 8.0 | 8.7 | 8.6 | 9.1 | 8.1 |
| ≥5 | 92.5 | 91.1 | 92.4 | 88.7 | 85.3 | 86.0 | 85.5 | 82.8 | 83.0 | 82.9 | 84.2 |
| ≥9 | 71.5 | 71.4 | 70.6 | 67.4 | 64.3 | 63.5 | 61.1 | 57.3 | 56.6 | 55.9 | 57.0 |
| ≥13 | 34.6 | 31.7 | 33.0 | 28.4 | 24.0 | 25.3 | 25.5 | 24.8 | 21.4 | 20.3 | 21.1 |
| Medical risks/ Complications^b | 72.2 | 74.2 | 75.2 | 60.4 | 58.6 | 62.3 | 64.5 | 67.5 | 64.8 | 69.1 | 68.1 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 70.9 | 71.4 | 70.7 | 68.7 | 70.0 | 69.4 | 66.5 | 70.8 | 67.8 | 70.2 | 71.6 |
| Birth weight | | | | | | | | | | | |
| <1,500 grams | 16.7 | 16.1 | 15.3 | 16.4 | 8.8 | 15.6 | 13.6 | 15.1 | 14.2 | 14.9 | 14.5 |
| <1,000 grams | 7.6 | 7.6 | 6.9 | 7.3 | 6.3 | 7.0 | 6.1 | 7.2 | 5.8 | 7.1 | 6.3 |
| Child's sex | | | | | | | | | | | |
| Male | 47.1 | 46.7 | 49.3 | 47.0 | 46.7 | 45.9 | 45.8 | 46.7 | 48.8 | 45.4 | 46.6 |
| Female | 52.9 | 53.3 | 50.7 | 53.0 | 53.3 | 54.1 | 54.2 | 53.3 | 51.2 | 54.6 | 53.4 |
| Plurality | | | | | | | | | | | |
| Multiple births | 29.1 | 28.8 | 29.7 | 30.3 | 27.2 | 30.6 | 27.3 | 30.1 | 27.5 | 27.4 | 24.5 |
| Caesarean delivery | 50.9 | 52.5 | 49.5 | 52.2 | 52.2 | 52.3 | 49.3 | 51.1 | 51.6 | 53.5 | 53.4 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.2 | 99.4 | 99.6 | 99.5 | 99.3 | 99.2 | 99.0 | 99.4 | 99.3 | 99.0 | 99.3 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 1.0 | 1.3 | 1.7 | 11.4 | 11.9 | 12.8 | 13.3 | 14.0 | 14.5 | 16.1 | 14.8 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 56.2 | 57.9 | 56.8 | 58.8 | 56.5 | 59.1 | 57.1 | 59.9 | 57.4 | 57.3 | 58.4 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-8
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(HISPANIC OR LATINO MOTHERS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------|--------|--------|--------|-------------|-------------|--------|--------|--------|--------|--------|--------|
| Number of births | 32,398 | 33,146 | 33,075 | 33,715 | 34,264 | 33,874 | 33,191 | 32,995 | 32,575 | 31,859 | 32,288 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 14.3 | 14.0 | 12.3 | 11.3 | 9.9 | 9.3 | 9.0 | 8.5 | 8.0 | 7.6 | 6.8 |
| ≥30 years | 29.8 | 30.2 | 30.6 | 31.9 | 32.3 | 32.5 | 33.3 | 33.6 | 34.5 | 35.7 | 36.1 |
| Marital status | | | | | | | | | | | |
| Unmarried | 56.6 | 57.2 | 57.1 | 56.1 | 56.2 | 55.8 | 55.1 | 54.7 | 55.0 | 55.0 | 56.2 |
| Mother's education | | | | | | | | | | | |
| <9 years | 9.3 | 8.7 | 7.6 | 7.5 | 6.7 | 6.2 | 5.5 | 5.3 | 5.0 | 4.5 | 4.0 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 76.5 | 78.2 | 76.2 | 60.5 | 63.6 | 63.9 | 63.4 | 63.8 | 64.2 | 64.4 | 68.1 |
| 3rd Trimester | 4.1 | 4.3 | 5.0 | 6.9 | 6.9 | 7.4 | 6.8 | 7.7 | 8.4 | 8.1 | 7.2 |
| No Care | 2.5 | 1.9 | 2.1 | 3.2 | 3.0 | 3.4 | 4.1 | 3.7 | 3.4 | 3.2 | 3.1 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 4.4 | 4.5 | 4.8 | 5.4 | 5.3 | 5.6 | 5.3 | 6.1 | 6.7 | 6.3 | 5.6 |
| ≥5 | 92.7 | 93.3 | 93.0 | 90.2 | 90.9 | 89.9 | 88.8 | 89.0 | 88.5 | 88.9 | 90.7 |
| ≥9 | 76.3 | 77.0 | 77.0 | 73.5 | 73.0 | 72.0 | 71.6 | 70.3 | 68.6 | 68.8 | 71.8 |
| ≥13 | 28.8 | 29.1 | 29.0 | 26.2 | 26.1 | 25.8 | 26.8 | 26.9 | 26.7 | 27.1 | 28.6 |
| Medical risks/ Complications^b | 44.2 | 52.6 | 54.6 | 34.2 | 40.0 | 41.6 | 43.0 | 45.2 | 47.6 | 50.4 | 51.6 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 9.1 | 9.4 | 9.3 | 9.2 | 9.0 | 9.2 | 9.3 | 9.5 | 9.2 | 9.3 | 9.6 |
| Birth weight | | | | | | | | | | | |
| <2,500 grams | 6.4 | 6.8 | 6.6 | 6.7 | 6.9 | 7.1 | 7.0 | 7.2 | 7.0 | 7.0 | 7.6 |
| <1,500 grams | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.3 | 1.3 | 1.1 | 1.1 | 1.3 |
| Child's sex | | | | | | | | | | | |
| Male | 51.4 | 51.2 | 51.3 | 51.3 | 50.9 | 50.9 | 50.6 | 51.1 | 50.7 | 51.0 | 50.9 |
| Female | 48.6 | 48.8 | 48.7 | 48.7 | 49.1 | 49.1 | 49.4 | 48.9 | 49.3 | 49.0 | 49.1 |
| Plurality | | | | | | | | | | | |
| Multiple births | 2.1 | 2.1 | 2.4 | 2.2 | 2.4 | 2.5 | 2.6 | 2.8 | 2.2 | 2.5 | 2.6 |
| Caesarean delivery | 26.1 | 26.0 | 26.7 | 26.1 | 26.3 | 26.3 | 25.6 | 26.7 | 26.9 | 27.3 | 27.9 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.6 | 99.6 | 99.6 | 99.5 | 99.5 | 99.4 | 99.3 | 99.3 | 99.3 | 99.2 | 99.0 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 5.3 | 6.1 | 5.9 | 7.4 | 9.8 | 10.9 | 11.8 | 11.4 | 12.1 | 11.5 | 10.7 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 66.6 | 66.2 | 67.0 | 67.4 | 67.1 | 67.7 | 66.8 | 65.9 | 65.7 | 64.8 | 64.0 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-9
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(HISPANIC OR LATINO MOTHERS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------------|-------|-------|-------|-------------|-------------|-------|-------|-------|-------|-------|-------|
| Number of LBW births | 2,075 | 2,256 | 2,199 | 2,247 | 2,364 | 2,400 | 2,339 | 2,378 | 2,276 | 2,215 | 2,455 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 16.6 | 15.0 | 12.9 | 11.7 | 10.9 | 9.9 | 10.0 | 9.3 | 8.1 | 8.2 | 7.2 |
| ≥30 years | 29.3 | 32.3 | 31.7 | 33.0 | 35.4 | 35.0 | 34.7 | 37.2 | 39.9 | 39.9 | 41.8 |
| Marital status | | | | | | | | | | | |
| Unmarried | 61.7 | 61.9 | 61.5 | 58.1 | 58.5 | 58.4 | 58.4 | 58.8 | 56.0 | 58.1 | 59.7 |
| Mother's education | | | | | | | | | | | |
| <9 years | 9.3 | 8.5 | 7.2 | 7.4 | 6.4 | 7.0 | 5.6 | 5.1 | 5.1 | 5.1 | 3.7 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 77.2 | 76.5 | 74.8 | 59.3 | 60.3 | 62.2 | 61.9 | 60.6 | 62.6 | 61.8 | 65.3 |
| 3rd Trimester | 2.7 | 3.2 | 3.8 | 4.9 | 4.4 | 5.0 | 4.9 | 5.6 | 6.1 | 5.6 | 5.1 |
| No Care | 4.3 | 3.7 | 4.2 | 5.8 | 5.6 | 6.1 | 7.1 | 7.4 | 7.3 | 7.1 | 6.2 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 9.7 | 10.6 | 9.5 | 10.5 | 9.5 | 10.7 | 10.7 | 10.8 | 13.3 | 12.8 | 10.4 |
| ≥5 | 85.4 | 85.4 | 85.9 | 82.2 | 83.4 | 80.7 | 79.9 | 78.8 | 77.3 | 78.1 | 82.1 |
| ≥9 | 59.9 | 59.9 | 63.7 | 55.2 | 54.0 | 52.2 | 52.5 | 48.9 | 49.6 | 48.0 | 51.1 |
| ≥13 | 23.6 | 21.9 | 24.1 | 16.3 | 15.7 | 16.3 | 17.2 | 16.5 | 17.4 | 16.7 | 18.7 |
| Medical risks | | | | | | | | | | | |
| Complications^b | 66.4 | 73.8 | 70.3 | 57.1 | 61.1 | 61.0 | 65.2 | 69.2 | 70.7 | 71.2 | 70.4 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 71.4 | 72.0 | 71.5 | 72.0 | 69.4 | 68.6 | 69.9 | 70.0 | 69.7 | 69.4 | 69.5 |
| Birth weight | | | | | | | | | | | |
| <1,500 grams | 16.6 | 16.8 | 16.7 | 16.6 | 16.2 | 16.3 | 17.9 | 17.4 | 15.9 | 15.3 | 16.5 |
| <1,000 grams | 8.9 | 8.2 | 8.0 | 8.9 | 7.7 | 8.1 | 9.1 | 8.3 | 7.9 | 7.9 | 8.7 |
| Child's sex | | | | | | | | | | | |
| Male | 46.7 | 51.1 | 49.9 | 49.3 | 48.3 | 50.5 | 48.2 | 49.0 | 48.5 | 50.1 | 47.3 |
| Female | 53.3 | 48.9 | 50.1 | 50.7 | 51.7 | 49.5 | 51.8 | 51.0 | 51.5 | 49.9 | 52.7 |
| Plurality | | | | | | | | | | | |
| Multiple births | 18.1 | 18.5 | 21.3 | 18.0 | 18.4 | 19.5 | 20.9 | 21.6 | 19.1 | 19.4 | 19.4 |
| Caesarean delivery | 44.4 | 43.3 | 46.5 | 42.9 | 45.3 | 45.4 | 44.5 | 48.0 | 49.2 | 46.0 | 50.6 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.6 | 99.8 | 99.8 | 99.9 | 99.7 | 99.5 | 99.5 | 100.0 | 99.6 | 99.5 | 99.7 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 2.4 | 3.0 | 2.5 | 7.0 | 9.1 | 9.6 | 11.3 | 10.3 | 11.6 | 10.1 | 9.2 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 62.8 | 63.9 | 63.4 | 63.7 | 64.0 | 63.1 | 63.1 | 62.8 | 63.4 | 60.3 | 62.3 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-10
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(BLACK OR AFRICAN AMERICAN MOTHERS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------------|-------|-------|-------|-------------|-------------|-------|-------|-------|-------|-------|-------|
| Number of births | 4,366 | 4,715 | 4,726 | 4,522 | 4,361 | 4,388 | 4,595 | 4,655 | 4,865 | 4,766 | 4,795 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 12.8 | 11.5 | 10.7 | 8.7 | 7.2 | 7.2 | 7.2 | 5.8 | 5.8 | 5.4 | 4.5 |
| ≥30 years | 30.3 | 30.2 | 30.6 | 34.1 | 36.0 | 35.0 | 37.1 | 39.0 | 41.4 | 41.8 | 43.4 |
| Marital status | | | | | | | | | | | |
| Unmarried | 63.6 | 64.8 | 63.7 | 62.5 | 63.2 | 61.3 | 60.6 | 60.6 | 62.7 | 62.9 | 64.3 |
| Mother's education | | | | | | | | | | | |
| <9 years | 4.3 | 4.3 | 3.7 | 3.3 | 4.1 | 4.3 | 4.7 | 3.7 | 4.4 | 3.6 | 3.5 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 80.4 | 79.9 | 78.2 | 61.4 | 62.2 | 62.8 | 61.4 | 62.4 | 59.8 | 60.3 | 65.1 |
| 3rd Trimester | 3.0 | 3.4 | 4.5 | 7.7 | 6.9 | 7.9 | 6.5 | 7.6 | 8.3 | 8.1 | 7.3 |
| No Care | 1.6 | 1.1 | 1.3 | 2.8 | 2.5 | 2.2 | 3.3 | 3.0 | 3.0 | 2.7 | 2.6 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 4.0 | 4.5 | 4.7 | 6.2 | 6.4 | 6.3 | 5.6 | 6.4 | 7.2 | 7.3 | 6.1 |
| ≥5 | 93.4 | 94.1 | 93.8 | 89.7 | 89.9 | 89.6 | 88.2 | 88.8 | 87.7 | 87.5 | 90.5 |
| ≥9 | 79.1 | 78.5 | 79.1 | 72.1 | 71.5 | 70.2 | 69.2 | 68.2 | 64.5 | 65.0 | 69.2 |
| ≥13 | 33.6 | 32.7 | 31.0 | 24.7 | 25.4 | 25.7 | 26.3 | 28.3 | 25.8 | 27.3 | 29.3 |
| Medical risks | | | | | | | | | | | |
| Complications^b | 52.0 | 56.6 | 57.2 | 36.0 | 44.3 | 44.3 | 45.8 | 49.6 | 53.6 | 54.1 | 55.3 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 12.7 | 11.9 | 11.8 | 12.1 | 12.2 | 12.4 | 12.4 | 12.4 | 13.2 | 13.1 | 14.1 |
| Birth weight | | | | | | | | | | | |
| <2,500 grams | 12.5 | 11.7 | 11.1 | 11.9 | 12.3 | 12.0 | 12.4 | 12.3 | 12.3 | 12.8 | 13.6 |
| <1,500 grams | 2.5 | 2.3 | 2.0 | 2.5 | 2.3 | 2.4 | 2.3 | 2.1 | 2.4 | 2.6 | 2.6 |
| Child's sex | | | | | | | | | | | |
| Male | 50.5 | 50.5 | 51.8 | 51.9 | 51.5 | 50.7 | 51.8 | 49.0 | 51.7 | 50.7 | 50.0 |
| Female | 49.5 | 49.5 | 48.2 | 48.1 | 48.5 | 49.3 | 48.2 | 51.0 | 48.3 | 49.3 | 50.0 |
| Plurality | | | | | | | | | | | |
| Multiple births | 3.6 | 4.1 | 3.7 | 4.7 | 3.9 | 3.3 | 4.0 | 4.7 | 4.4 | 4.2 | 4.2 |
| Caesarean delivery | 31.1 | 31.9 | 31.4 | 33.0 | 32.8 | 32.4 | 30.8 | 33.7 | 34.1 | 34.6 | 34.2 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.3 | 99.6 | 99.3 | 99.5 | 99.6 | 99.1 | 99.0 | 99.1 | 98.8 | 98.0 | 97.7 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 2.7 | 3.5 | 3.9 | 8.8 | 11.7 | 12.0 | 13.2 | 12.0 | 12.1 | 12.0 | 11.5 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 63.0 | 63.8 | 64.6 | 66.9 | 66.2 | 66.2 | 67.1 | 67.4 | 68.4 | 67.4 | 67.1 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-11
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(BLACK OR AFRICAN AMERICAN MOTHERS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------------|------|-------|------|-------------|-------------|------|------|------|------|------|------|
| Number of LBW births | 546 | 551 | 523 | 536 | 535 | 525 | 572 | 573 | 596 | 608 | 653 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 13.7 | 10.2 | 12.8 | 9.0 | 6.9 | 9.1 | 7.9 | 7.5 | 7.6 | 7.1 | 7.5 |
| ≥30 years | 33.5 | 32.3 | 33.8 | 35.8 | 38.7 | 33.9 | 38.6 | 40.1 | 40.4 | 42.6 | 45.2 |
| Marital status | | | | | | | | | | | |
| Unmarried | 67.9 | 69.0 | 72.8 | 67.0 | 64.9 | 64.0 | 64.2 | 64.9 | 67.6 | 68.4 | 69.8 |
| Mother's education | | | | | | | | | | | |
| <9 years | 2.9 | 2.9 | 3.1 | 2.4 | 3.0 | 4.6 | 3.0 | 2.8 | 3.4 | 1.8 | 4.0 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 80.0 | 78.8 | 77.8 | 59.1 | 63.9 | 62.5 | 61.0 | 60.0 | 57.2 | 60.7 | 63.4 |
| 3rd Trimester | 3.1 | 3.4 | 3.3 | 4.7 | 4.5 | 5.1 | 2.8 | 5.4 | 4.0 | 6.3 | 4.9 |
| No Care | 2.4 | 2.4 | 3.4 | 6.2 | 5.0 | 4.6 | 6.5 | 7.2 | 7.7 | 4.9 | 5.7 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 9.5 | 10.3 | 8.6 | 11.2 | 12.9 | 10.9 | 9.3 | 10.8 | 13.1 | 12.8 | 12.4 |
| ≥5 | 86.3 | 86.0 | 87.2 | 81.2 | 80.4 | 81.0 | 80.6 | 79.1 | 75.3 | 79.9 | 81.2 |
| ≥9 | 64.1 | 64.4 | 66.7 | 55.2 | 55.7 | 55.6 | 51.6 | 53.9 | 46.8 | 50.8 | 53.3 |
| ≥13 | 29.3 | 27.6 | 25.2 | 20.1 | 22.2 | 16.0 | 20.1 | 20.9 | 17.1 | 17.9 | 20.1 |
| Medical risks | | | | | | | | | | | |
| Complications^b | 68.7 | 68.4 | 70.0 | 56.7 | 57.9 | 59.4 | 61.0 | 68.1 | 67.8 | 69.9 | 70.6 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 65.6 | 65.7 | 66.9 | 68.3 | 65.0 | 68.2 | 65.2 | 62.8 | 68.3 | 67.3 | 69.8 |
| Birth weight | | | | | | | | | | | |
| <1,500 grams | 20.0 | 20.0 | 18.0 | 21.5 | 18.5 | 20.0 | 18.4 | 16.9 | 19.8 | 20.4 | 19.3 |
| <1,000 grams | 10.8 | 10.3 | 10.3 | 12.9 | 10.5 | 11.4 | 11.4 | 9.2 | 10.6 | 11.3 | 10.1 |
| Child's sex | | | | | | | | | | | |
| Male | 46.0 | 45.7 | 47.2 | 45.9 | 46.9 | 46.1 | 44.9 | 41.7 | 43.5 | 47.2 | 45.6 |
| Female | 54.0 | 54.3 | 52.8 | 54.1 | 53.1 | 53.9 | 55.1 | 58.3 | 56.5 | 52.8 | 54.4 |
| Plurality | | | | | | | | | | | |
| Multiple births | 17.8 | 21.2 | 21.4 | 22.2 | 22.8 | 15.6 | 20.6 | 22.7 | 24.0 | 19.9 | 21.9 |
| Caesarean delivery | 43.4 | 45.6 | 42.8 | 45.9 | 47.9 | 47.6 | 44.8 | 49.7 | 50.8 | 50.3 | 51.9 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.8 | 100.0 | 99.0 | 99.8 | 100.0 | 99.6 | 99.5 | 99.7 | 99.2 | 99.3 | 98.9 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 2.6 | 0.9 | 1.9 | 8.6 | 10.3 | 11.2 | 12.2 | 12.0 | 12.4 | 11.0 | 11.3 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 62.5 | 65.2 | 61.8 | 66.6 | 64.9 | 60.6 | 68.9 | 64.6 | 65.4 | 67.3 | 66.2 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-12
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------|-------|-------|-------|-------------|-------------|-------|-------|-------|-------|-------|-------|
| Number of births | 5,830 | 5,569 | 5,476 | 5,145 | 4,984 | 5,030 | 4,866 | 4,709 | 4,462 | 4,087 | 3,906 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 16.9 | 16.0 | 14.2 | 11.7 | 11.4 | 10.7 | 10.7 | 9.8 | 9.2 | 8.4 | 8.8 |
| ≥30 years | 25.0 | 25.2 | 26.6 | 26.7 | 28.9 | 31.3 | 31.0 | 34.4 | 34.6 | 36.7 | 37.9 |
| Marital status | | | | | | | | | | | |
| Unmarried | 77.1 | 78.5 | 79.2 | 78.9 | 79.6 | 78.1 | 77.9 | 78.9 | 78.4 | 78.7 | 79.5 |
| Mother's education | | | | | | | | | | | |
| <9 years | 2.5 | 2.5 | 2.4 | 2.2 | 2.1 | 1.9 | 1.7 | 1.9 | 1.6 | 1.4 | 1.6 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 68.6 | 68.2 | 68.7 | 58.4 | 58.5 | 60.7 | 59.4 | 56.5 | 57.4 | 57.1 | 57.7 |
| 3rd Trimester | 6.1 | 7.0 | 6.1 | 7.5 | 8.4 | 8.2 | 8.4 | 9.4 | 9.0 | 10.8 | 10.2 |
| No Care | 2.5 | 2.0 | 2.4 | 2.9 | 4.3 | 4.0 | 4.1 | 5.1 | 5.3 | 4.3 | 5.4 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 9.0 | 9.1 | 9.5 | 10.5 | 10.4 | 11.0 | 11.5 | 11.2 | 12.0 | 12.1 | 11.4 |
| ≥5 | 87.8 | 88.4 | 87.7 | 85.0 | 84.2 | 83.9 | 83.0 | 81.5 | 80.1 | 80.8 | 80.4 |
| ≥9 | 62.8 | 64.0 | 63.7 | 59.3 | 60.0 | 59.9 | 58.8 | 55.5 | 55.7 | 54.0 | 55.7 |
| ≥13 | 19.7 | 20.7 | 21.3 | 18.2 | 18.7 | 19.0 | 19.9 | 18.4 | 18.6 | 19.6 | 20.4 |
| Medical risks/ Complications^b | 53.8 | 60.4 | 61.7 | 45.9 | 52.4 | 53.5 | 56.1 | 59.2 | 60.4 | 60.6 | 64.3 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 9.0 | 9.7 | 9.7 | 8.2 | 9.6 | 9.9 | 10.9 | 10.4 | 10.6 | 10.8 | 12.4 |
| Birth weight | | | | | | | | | | | |
| <2,500 grams | 6.9 | 6.7 | 7.2 | 6.1 | 7.3 | 7.2 | 7.7 | 7.9 | 7.9 | 7.2 | 7.8 |
| <1,500 grams | 1.3 | 1.1 | 1.0 | 0.9 | 1.3 | 1.3 | 1.3 | 1.4 | 1.3 | 1.2 | 1.3 |
| Child's sex | | | | | | | | | | | |
| Male | 50.7 | 50.5 | 51.6 | 49.7 | 50.8 | 50.4 | 51.6 | 52.0 | 51.3 | 51.8 | 51.0 |
| Female | 49.3 | 49.5 | 48.4 | 50.3 | 49.2 | 49.6 | 48.4 | 48.0 | 48.7 | 48.2 | 49.0 |
| Plurality | | | | | | | | | | | |
| Multiple births | 1.5 | 1.6 | 1.8 | 1.3 | 1.8 | 2.2 | 2.2 | 2.0 | 2.1 | 1.7 | 2.2 |
| Caesarean delivery | 23.1 | 23.8 | 24.0 | 22.7 | 22.6 | 23.5 | 24.4 | 25.2 | 24.6 | 26.8 | 26.2 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.6 | 99.7 | 99.7 | 99.7 | 99.4 | 99.5 | 99.5 | 99.2 | 99.5 | 99.4 | 99.5 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 27.9 | 27.8 | 27.6 | 10.6 | 9.1 | 9.8 | 10.0 | 10.0 | 10.0 | 11.9 | 11.0 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 66.5 | 67.6 | 68.5 | 70.0 | 71.0 | 71.4 | 70.5 | 71.2 | 70.5 | 69.9 | 70.5 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-13
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------|------|------|-------|-------------|-------------|------|------|------|------|-------|------|
| Number of LBW births | 403 | 372 | 393 | 315 | 365 | 363 | 376 | 373 | 353 | 294 | 306 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 18.9 | 18.0 | 10.2 | 10.8 | 10.1 | 8.5 | 10.4 | 9.4 | 6.2 | 8.5 | 5.9 |
| ≤30 years | 26.8 | 33.1 | 29.5 | 30.8 | 34.5 | 35.5 | 38.0 | 42.9 | 41.6 | 38.8 | 51.6 |
| Marital status | | | | | | | | | | | |
| Unmarried | 81.1 | 80.9 | 82.2 | 78.4 | 81.9 | 75.2 | 79.8 | 80.7 | 79.9 | 83.0 | 79.1 |
| Mother's education | | | | | | | | | | | |
| <9 years | 2.0 | 3.2 | 5.1 | 2.9 | 3.6 | 1.1 | 2.9 | 2.4 | 2.3 | 2.0 | 2.3 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 70.0 | 69.1 | 66.9 | 46.7 | 48.5 | 54.0 | 54.0 | 45.0 | 47.3 | 50.0 | 47.1 |
| 3rd Trimester | 4.0 | 4.3 | 8.4 | 5.1 | 6.6 | 6.3 | 4.3 | 5.9 | 4.2 | 9.2 | 10.5 |
| No Care | 6.7 | 5.9 | 4.3 | 8.6 | 13.7 | 9.9 | 10.1 | 17.2 | 19.3 | 8.2 | 9.8 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 11.4 | 15.1 | 17.6 | 15.6 | 15.3 | 18.5 | 15.2 | 17.7 | 18.7 | 22.8 | 18.6 |
| ≥5 | 79.7 | 78.2 | 76.8 | 72.7 | 66.6 | 69.4 | 70.5 | 59.5 | 58.4 | 63.9 | 64.1 |
| ≥9 | 47.4 | 51.6 | 50.6 | 40.6 | 40.5 | 41.3 | 40.2 | 28.7 | 34.0 | 39.8 | 36.3 |
| ≥13 | 13.9 | 16.4 | 15.3 | 10.2 | 11.2 | 12.9 | 14.9 | 8.8 | 10.2 | 14.3 | 14.7 |
| Medical risks/ Complications^b | 65.5 | 70.2 | 71.2 | 65.7 | 68.5 | 70.8 | 71.3 | 77.2 | 85.0 | 80.6 | 85.3 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 69.0 | 79.0 | 70.7 | 65.1 | 69.9 | 71.1 | 72.1 | 68.1 | 70.3 | 69.4 | 72.9 |
| Birth weight | | | | | | | | | | | |
| <1,500 grams | 18.4 | 16.7 | 13.7 | 14.6 | 18.1 | 17.6 | 16.8 | 17.4 | 16.1 | 17.3 | 16.7 |
| <1,000 grams | 9.2 | 8.9 | 4.6 | 7.9 | 8.5 | 7.7 | 6.4 | 8.3 | 6.5 | 8.2 | 6.5 |
| Child's sex | | | | | | | | | | | |
| Male | 46.4 | 49.2 | 51.4 | 44.4 | 45.8 | 52.1 | 50.3 | 49.9 | 43.6 | 51.0 | 44.8 |
| Female | 53.6 | 50.8 | 48.6 | 55.6 | 54.2 | 47.9 | 49.7 | 50.1 | 56.4 | 49.0 | 55.2 |
| Plurality | | | | | | | | | | | |
| Multiple births | 11.7 | 15.6 | 12.7 | 9.8 | 13.4 | 17.4 | 10.6 | 13.1 | 13.9 | 12.9 | 14.4 |
| Caesarean delivery | 34.5 | 47.3 | 44.3 | 41.9 | 43.8 | 43.3 | 47.3 | 42.9 | 49.0 | 53.1 | 52.6 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.5 | 99.7 | 100.0 | 100.0 | 98.6 | 99.2 | 99.2 | 98.4 | 99.7 | 100.0 | 99.7 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 10.7 | 8.9 | 11.5 | 10.2 | 7.9 | 8.5 | 11.4 | 8.6 | 8.8 | 7.5 | 8.8 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 64.3 | 69.6 | 68.7 | 69.8 | 70.4 | 69.7 | 68.4 | 71.3 | 72.5 | 66.7 | 70.6 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-14
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY
CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(ASIAN OR PACIFIC ISLANDER MOTHERS)**

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of births | 3,505 | 3,625 | 3,466 | 3,169 | 3,235 | 3,350 | 3,327 | 3,271 | 3,163 | 2,968 | 3,017 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 3.2 | 2.2 | 2.3 | 1.8 | 1.9 | 1.5 | 1.7 | 1.3 | 1.3 | 1.0 | 0.7 |
| ≥30 years | 57.4 | 57.3 | 59.2 | 60.4 | 60.5 | 60.8 | 61.9 | 65.1 | 65.6 | 64.9 | 68.7 |
| Marital status | | | | | | | | | | | |
| Unmarried | 17.3 | 17.3 | 16.0 | 15.2 | 14.3 | 15.4 | 14.6 | 14.8 | 14.8 | 16.4 | 17.6 |
| Mother's education | | | | | | | | | | | |
| <9 years | 3.1 | 3.1 | 2.7 | 3.0 | 3.1 | 3.0 | 2.9 | 3.0 | 2.3 | 2.3 | 1.8 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 86.5 | 87.1 | 86.4 | 70.5 | 71.8 | 73.2 | 72.2 | 72.5 | 73.2 | 74.3 | 77.7 |
| 3rd Trimester | 2.3 | 2.0 | 2.9 | 4.5 | 5.0 | 4.3 | 4.7 | 5.0 | 6.5 | 5.2 | 4.9 |
| No Care | 1.0 | 0.7 | 0.7 | 1.4 | 1.2 | 1.3 | 1.9 | 1.9 | 1.3 | 1.7 | 1.6 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 2.3 | 2.4 | 2.6 | 2.6 | 3.6 | 3.1 | 2.8 | 3.3 | 3.9 | 3.3 | 3.3 |
| ≥5 | 96.2 | 96.8 | 96.6 | 94.5 | 93.9 | 93.7 | 93.9 | 93.6 | 93.2 | 93.6 | 94.2 |
| ≥9 | 84.2 | 86.2 | 85.6 | 82.3 | 80.6 | 79.8 | 81.2 | 79.0 | 77.3 | 77.0 | 79.2 |
| ≥13 | 37.9 | 37.2 | 39.2 | 33.7 | 31.6 | 29.9 | 34.7 | 33.5 | 32.2 | 31.7 | 33.4 |
| Medical risks/ Complications^b | 47.4 | 52.9 | 57.4 | 37.9 | 42.2 | 44.4 | 47.0 | 47.1 | 49.4 | 51.2 | 51.7 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 9.0 | 8.4 | 8.9 | 8.0 | 9.4 | 8.7 | 9.6 | 10.0 | 9.5 | 9.3 | 10.3 |
| Birth weight | | | | | | | | | | | |
| <2,500 grams | 8.3 | 7.2 | 7.9 | 8.1 | 9.0 | 9.3 | 9.5 | 9.8 | 8.6 | 9.6 | 9.2 |
| <1,500 grams | 1.1 | 0.8 | 1.1 | 1.2 | 1.2 | 1.4 | 1.1 | 1.2 | 1.0 | 1.1 | 1.4 |
| Child's sex | | | | | | | | | | | |
| Male | 52.4 | 52.1 | 51.4 | 51.5 | 51.5 | 51.7 | 51.3 | 51.2 | 51.9 | 51.2 | 52.3 |
| Female | 47.6 | 47.9 | 48.6 | 48.5 | 48.5 | 48.3 | 48.7 | 48.8 | 48.1 | 48.8 | 47.7 |
| Plurality | | | | | | | | | | | |
| Multiple births | 3.3 | 2.5 | 3.2 | 3.2 | 3.3 | 3.7 | 3.4 | 3.0 | 3.2 | 2.6 | 2.5 |
| Caesarean delivery | 33.0 | 32.1 | 33.2 | 32.4 | 34.0 | 32.5 | 32.3 | 30.9 | 31.0 | 33.6 | 32.8 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.3 | 99.2 | 99.1 | 99.3 | 99.4 | 99.3 | 99.3 | 99.1 | 98.8 | 98.9 | 98.6 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 3.1 | 4.0 | 3.3 | 10.0 | 10.4 | 11.1 | 11.8 | 11.4 | 13.5 | 14.5 | 13.5 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 54.6 | 55.5 | 56.2 | 53.4 | 54.0 | 54.1 | 56.6 | 56.3 | 56.7 | 56.2 | 56.7 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-15
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND
DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER,
AND BIRTH COMPLICATIONS^a, ARIZONA, 2011-2021
(ASIAN OR PACIFIC ISLANDER MOTHERS)**

| Characteristic | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of LBW births | 292 | 262 | 275 | 256 | 291 | 313 | 315 | 319 | 273 | 285 | 277 |
| Age of mother | | | | | | | | | | | |
| ≤19 years | 5.1 | 5.0 | 1.5 | 1.2 | 1.7 | 1.0 | 1.9 | 2.2 | 1.8 | 0.7 | 1.4 |
| ≤30 years | 58.6 | 64.9 | 66.2 | 64.1 | 61.5 | 63.3 | 63.5 | 69.3 | 66.7 | 69.5 | 70.8 |
| Marital status | | | | | | | | | | | |
| Unmarried | 18.2 | 18.3 | 12.4 | 14.1 | 15.1 | 13.7 | 17.1 | 17.9 | 13.2 | 16.5 | 17.7 |
| Mother's education | | | | | | | | | | | |
| <9 years | 4.1 | 3.8 | 3.6 | 4.3 | 2.7 | 3.2 | 2.9 | 3.1 | 1.5 | 3.5 | 1.8 |
| Prenatal care began | | | | | | | | | | | |
| 1st Trimester | 83.9 | 87.8 | 86.9 | 70.3 | 72.9 | 74.4 | 74.0 | 70.2 | 76.2 | 70.2 | 76.9 |
| 3rd Trimester | 2.1 | 0.4 | 3.6 | 4.7 | 3.8 | 2.9 | 2.5 | 4.1 | 5.1 | 3.5 | 1.8 |
| No Care | 2.7 | 0.8 | 0.7 | 3.5 | 2.7 | 2.9 | 2.5 | 4.7 | 1.8 | 2.5 | 3.6 |
| Prenatal visits | | | | | | | | | | | |
| 1-4 | 4.8 | 2.3 | 6.2 | 4.7 | 8.6 | 7.0 | 4.4 | 7.2 | 5.9 | 6.0 | 7.9 |
| ≥5 | 92.5 | 96.9 | 93.1 | 88.7 | 86.9 | 87.2 | 92.1 | 85.9 | 91.2 | 89.5 | 87.4 |
| ≥9 | 72.9 | 78.6 | 73.5 | 66.8 | 64.6 | 67.7 | 70.5 | 58.9 | 64.8 | 61.8 | 62.8 |
| ≥13 | 30.8 | 32.8 | 31.6 | 25.4 | 29.6 | 22.0 | 28.3 | 22.3 | 29.7 | 21.1 | 23.1 |
| Medical risks/ Complications^b | 68.8 | 72.5 | 73.8 | 54.7 | 56.0 | 61.0 | 67.9 | 64.9 | 63.0 | 66.0 | 65.7 |
| Gestational age^c | | | | | | | | | | | |
| Preterm (<37 weeks) | 64.7 | 63.0 | 61.1 | 60.2 | 60.1 | 60.7 | 61.9 | 63.9 | 63.0 | 65.6 | 62.5 |
| Birth weight | | | | | | | | | | | |
| <1,500 grams | 12.7 | 11.5 | 13.5 | 15.2 | 13.1 | 15.3 | 11.7 | 11.9 | 11.7 | 11.2 | 14.8 |
| <1,000 grams | 6.2 | 5.3 | 6.2 | 6.6 | 6.5 | 8.6 | 6.0 | 5.3 | 6.2 | 4.9 | 6.9 |
| Child's sex | | | | | | | | | | | |
| Male | 46.9 | 52.7 | 46.5 | 49.2 | 48.8 | 45.4 | 46.0 | 44.2 | 53.5 | 49.5 | 49.1 |
| Female | 53.1 | 47.3 | 53.5 | 50.8 | 51.2 | 54.6 | 54.0 | 55.8 | 46.5 | 50.5 | 50.9 |
| Plurality | | | | | | | | | | | |
| Multiple births | 25.7 | 20.2 | 23.6 | 24.2 | 25.1 | 24.0 | 20.3 | 20.4 | 20.9 | 21.1 | 15.5 |
| Caesarean delivery | 51.4 | 44.3 | 53.1 | 47.7 | 51.5 | 47.0 | 50.8 | 48.3 | 44.7 | 51.2 | 46.6 |
| Place of delivery | | | | | | | | | | | |
| Hospital ^d | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 99.7 | 99.7 | 98.5 | 99.6 | 99.6 |
| Attendant at birth | | | | | | | | | | | |
| Midwife ^e | 0.3 | 2.7 | 2.2 | 12.1 | 12.0 | 8.6 | 12.4 | 9.4 | 15.4 | 13.3 | 15.2 |
| Previous live births | | | | | | | | | | | |
| 1 or more | 55.5 | 53.1 | 56.4 | 46.9 | 54.6 | 50.8 | 47.6 | 52.7 | 52.0 | 53.0 | 51.6 |

Notes: ^a Rates per 100 births.

^b Reported medical risks for this pregnancy and/or complications of labor and delivery; data for years 2014 and 2015 in bold were updated due to correction.

^c Physician's estimate.

^d Hospital, clinic, medical center or maternity home.

^e Licensed Midwife or Certified Nurse Midwife.

**TABLE 1B-16
SINGLE AND PLURAL LIVE BIRTHS BY BIRTHWEIGHT, ARIZONA RESIDENTS, 2011-2021**

| Weight in grams | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Under 1,000, total | 496 | 480 | 433 | 509 | 448 | 492 | 472 | 476 | 419 | 441 | 472 |
| Single | 379 | 383 | 332 | 384 | 358 | 380 | 375 | 383 | 319 | 341 | 383 |
| Plural | 117 | 97 | 101 | 125 | 90 | 112 | 97 | 93 | 100 | 100 | 89 |
| 1,000-1,499, total | 505 | 506 | 494 | 509 | 523 | 519 | 492 | 509 | 483 | 438 | 508 |
| Single | 374 | 387 | 341 | 379 | 386 | 395 | 369 | 358 | 361 | 327 | 390 |
| Plural | 131 | 119 | 153 | 130 | 137 | 124 | 123 | 151 | 122 | 111 | 118 |
| 1,500-1,999, total | 1,131 | 1,197 | 1,152 | 1,156 | 1,133 | 1,166 | 1,105 | 1,257 | 1,134 | 1,073 | 1,196 |
| Single | 794 | 814 | 830 | 803 | 793 | 808 | 784 | 837 | 795 | 758 | 848 |
| Plural | 337 | 383 | 322 | 353 | 340 | 358 | 321 | 420 | 339 | 315 | 348 |
| 2,000-2,499, total | 3,817 | 3,763 | 3,770 | 3,895 | 3,988 | 4,009 | 4,040 | 3,864 | 3,793 | 3,698 | 3,964 |
| Single | 3,043 | 2,994 | 2,920 | 3,063 | 3,186 | 3,124 | 3,186 | 3,028 | 3,030 | 2,960 | 3,213 |
| Plural | 774 | 769 | 850 | 832 | 802 | 885 | 854 | 836 | 763 | 738 | 751 |
| 2,500-3,999, total | 72,777 | 73,096 | 72,494 | 73,627 | 72,240 | 71,613 | 69,200 | 68,157 | 67,354 | 65,280 | 65,815 |
| Single | 71,741 | 72,085 | 71,377 | 72,449 | 71,109 | 70,450 | 67,940 | 67,032 | 66,337 | 64,270 | 64,809 |
| Plural | 1,036 | 1,011 | 1,117 | 1,178 | 1,131 | 1,163 | 1,260 | 1,125 | 1,017 | 1,010 | 1,006 |
| 4,000 and over, total | 6,450† | 6,680† | 6,540† | 6,900† | 6,630† | 6,570† | 6,310† | 6,240† | 5,950† | 5,790† | 5,842 |
| Single | 6,450 | 6,674 | 6,537 | 6,900 | 6,633 | 6,569 | 6,310 | 6,234 | 5,951 | 5,787 | 5,842 |
| Plural | * | * | * | * | * | * | * | * | * | * | 0 |
| All weights, total^a | 85,190 | 85,725 | 84,963 | 86,648 | 85,024 | 84,404 | 81,664 | 80,539 | 79,183 | 76,781 | 77,857 |
| Single | 82,793 | 83,342 | 82,415 | 84,014 | 82,501 | 81,752 | 79,005 | 77,909 | 76,837 | 74,501 | 75,543 |
| Plural | 2,400† | 2,380† | 2,550† | 2,630† | 2,518 | 2,647 | 2,657 | 2,630 | 2,343 | 2,280 | 2,313 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes records with unknown weight and/or pluralit

**TABLE 1B-17
RESIDENT BIRTHS BY MONTH OF OCCURRENCE, ARIZONA, 2011-2021**

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 2011 | 7,127 | 6,500 | 7,254 | 6,498 | 6,678 | 7,086 | 7,222 | 7,688 | 7,750 | 7,361 | 6,987 | 7,039 | 85,190 |
| Percent | 8.4 | 7.6 | 8.5 | 7.6 | 7.8 | 8.3 | 8.5 | 9.0 | 9.1 | 8.6 | 8.2 | 8.3 | 100.0 |
| 2012 | 7,006 | 6,732 | 7,100 | 6,603 | 6,777 | 6,725 | 7,368 | 7,772 | 7,689 | 7,629 | 7,101 | 7,223 | 85,725 |
| Percent | 8.2 | 7.9 | 8.3 | 7.7 | 7.9 | 7.8 | 8.6 | 9.1 | 9.0 | 8.9 | 8.3 | 8.4 | 100.0 |
| 2013 | 7,090 | 6,414 | 7,083 | 6,694 | 6,681 | 6,685 | 7,337 | 7,436 | 7,538 | 7,515 | 7,130 | 7,360 | 84,963 |
| Percent | 8.3 | 7.5 | 8.3 | 7.9 | 7.9 | 7.9 | 8.6 | 8.8 | 8.9 | 8.8 | 8.4 | 8.7 | 100.0 |
| 2014 | 7,313 | 6,593 | 7,068 | 6,672 | 6,893 | 6,856 | 7,731 | 7,718 | 7,651 | 7,554 | 6,994 | 7,605 | 86,648 |
| Percent | 8.4 | 7.6 | 8.2 | 7.7 | 8.0 | 7.9 | 8.9 | 8.9 | 8.8 | 8.7 | 8.1 | 8.8 | 100.0 |
| 2015 | 7,169 | 6,660 | 7,175 | 6,613 | 6,814 | 6,770 | 7,030 | 7,372 | 7,685 | 7,487 | 6,940 | 7,309 | 85,024 |
| Percent | 8.4 | 7.8 | 8.4 | 7.8 | 8.0 | 8.0 | 8.3 | 8.7 | 9.0 | 8.8 | 8.2 | 8.6 | 100.0 |
| 2016 | 7,053 | 6,729 | 6,830 | 6,558 | 6,724 | 6,754 | 7,045 | 7,711 | 7,687 | 7,192 | 6,898 | 7,223 | 84,404 |
| Percent | 8.4 | 8.0 | 8.1 | 7.8 | 8.0 | 8.0 | 8.3 | 9.1 | 9.1 | 8.5 | 8.2 | 8.6 | 100.0 |
| 2017 | 6,931 | 6,147 | 6,774 | 6,285 | 6,507 | 6,613 | 6,964 | 7,402 | 7,200 | 7,299 | 6,791 | 6,751 | 81,664 |
| Percent | 8.5 | 7.5 | 8.3 | 7.7 | 8.0 | 8.1 | 8.5 | 9.1 | 8.8 | 8.9 | 8.3 | 8.3 | 100.0 |
| 2018 | 6,706 | 6,177 | 6,614 | 6,129 | 6,409 | 6,473 | 6,835 | 7,294 | 7,108 | 7,144 | 6,815 | 6,835 | 80,539 |
| Percent | 8.3 | 7.7 | 8.2 | 7.6 | 8.0 | 8.0 | 8.5 | 9.1 | 8.8 | 8.9 | 8.5 | 8.5 | 100.0 |
| 2019 | 6,811 | 6,070 | 6,651 | 6,078 | 6,267 | 6,154 | 6,940 | 7,192 | 6,858 | 6,872 | 6,577 | 6,713 | 79,183 |
| Percent | 8.6 | 7.7 | 8.4 | 7.7 | 7.9 | 7.8 | 8.8 | 9.1 | 8.7 | 8.7 | 8.3 | 8.5 | 100.0 |
| 2020 | 6,671 | 6,247 | 6,347 | 5,954 | 6,030 | 6,068 | 6,763 | 6,690 | 6,732 | 6,637 | 6,197 | 6,445 | 76,781 |
| Percent | 8.7 | 8.1 | 8.3 | 7.8 | 7.9 | 7.9 | 8.8 | 8.7 | 8.8 | 8.6 | 8.1 | 8.4 | 100.0 |
| 2021 | 6,156 | 5,606 | 6,002 | 6,024 | 6,051 | 6,217 | 6,904 | 7,094 | 7,097 | 7,049 | 6,693 | 6,964 | 77,857 |
| Percent | 7.9 | 7.2 | 7.7 | 7.7 | 7.8 | 8.0 | 8.9 | 9.1 | 9.1 | 9.1 | 8.6 | 8.9 | 100.0 |

**TABLE 1B-18
BIRTHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2021**

| TOTAL | Month of birth | | | | | | | | | | | |
|--------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| 77,857 | 6,156 | 5,606 | 6,002 | 6,024 | 6,051 | 6,217 | 6,904 | 7,094 | 7,097 | 7,049 | 6,693 | 6,964 |
| 2,491 | 189 | 201 | 197 | 210 | 153 | 181 | 224 | 181 | 263 | 230 | 228 | 234 |
| 2,645 | 164 | 204 | 214 | 231 | 159 | 212 | 247 | 225 | 274 | 211 | 265 | 239 |
| 2,500 | 154 | 211 | 207 | 181 | 203 | 214 | 188 | 239 | 231 | 181 | 254 | 237 |
| 2,593 | 198 | 222 | 217 | 186 | 238 | 232 | 175 | 242 | 218 | 243 | 234 | 188 |
| 2,522 | 210 | 215 | 211 | 185 | 236 | 195 | 156 | 232 | 187 | 247 | 266 | 182 |
| 2,482 | 218 | 161 | 177 | 210 | 220 | 171 | 220 | 226 | 178 | 248 | 212 | 241 |
| 2,499 | 228 | 150 | 132 | 220 | 205 | 182 | 270 | 194 | 254 | 227 | 190 | 247 |
| 2,734 | 214 | 224 | 211 | 251 | 191 | 230 | 247 | 188 | 246 | 239 | 234 | 259 |
| 2,603 | 188 | 206 | 207 | 213 | 154 | 211 | 255 | 207 | 272 | 219 | 234 | 237 |
| 2,546 | 157 | 216 | 204 | 187 | 184 | 227 | 207 | 232 | 266 | 185 | 234 | 247 |
| 2,563 | 188 | 222 | 231 | 143 | 218 | 228 | 191 | 263 | 220 | 223 | 254 | 182 |
| 2,647 | 222 | 224 | 212 | 227 | 218 | 191 | 218 | 236 | 208 | 243 | 239 | 209 |
| 2,473 | 199 | 187 | 152 | 219 | 207 | 160 | 215 | 256 | 234 | 233 | 198 | 213 |
| 2,511 | 215 | 156 | 171 | 188 | 204 | 224 | 207 | 187 | 266 | 253 | 178 | 262 |
| 2,662 | 215 | 202 | 202 | 240 | 154 | 211 | 246 | 196 | 254 | 248 | 236 | 258 |
| 2,671 | 184 | 227 | 205 | 221 | 146 | 214 | 247 | 264 | 263 | 197 | 225 | 278 |
| 2,526 | 155 | 222 | 209 | 182 | 232 | 210 | 210 | 258 | 233 | 168 | 228 | 219 |
| 2,506 | 189 | 218 | 214 | 143 | 205 | 249 | 185 | 225 | 192 | 236 | 251 | 199 |
| 2,508 | 213 | 187 | 203 | 189 | 222 | 182 | 235 | 240 | 180 | 253 | 234 | 170 |
| 2,499 | 199 | 177 | 171 | 206 | 213 | 128 | 233 | 255 | 232 | 230 | 223 | 232 |
| 2,602 | 242 | 152 | 139 | 204 | 236 | 220 | 233 | 204 | 277 | 261 | 184 | 250 |
| 2,677 | 244 | 202 | 199 | 218 | 140 | 230 | 261 | 197 | 255 | 239 | 238 | 254 |
| 2,630 | 164 | 221 | 208 | 206 | 133 | 227 | 238 | 245 | 251 | 208 | 271 | 258 |
| 2,480 | 160 | 216 | 209 | 151 | 215 | 229 | 188 | 238 | 257 | 193 | 246 | 178 |
| 2,472 | 204 | 228 | 226 | 150 | 215 | 216 | 205 | 273 | 227 | 240 | 159 | 129 |
| 2,494 | 206 | 221 | 187 | 218 | 208 | 191 | 222 | 228 | 188 | 264 | 185 | 176 |
| 2,542 | 238 | 187 | 146 | 203 | 223 | 149 | 237 | 280 | 206 | 269 | 181 | 223 |
| 2,503 | 220 | 147 | 131 | 208 | 212 | 214 | 235 | 210 | 248 | 250 | 182 | 246 |
| 2,457 | 218 | | 197 | 204 | 182 | 236 | 255 | 190 | 259 | 233 | 205 | 278 |
| 2,410 | 200 | | 205 | 230 | 171 | 253 | 216 | 226 | 258 | 199 | 225 | 227 |
| 1,409 | 161 | | 208 | | 154 | | 238 | 257 | | 179 | | 212 |

**TABLE 1B-19
LIVE BIRTHS BY MOTHER'S AGE AND FATHER'S AGE, ARIZONA, 2021**

| Father's age group | Mother's age group | | | | | | | | | | |
|--------------------|--------------------|-------------|---------------|---------------|---------------|----------------|---------------|--------------|-------------|-----------|---------------|
| | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un-known | TOTAL |
| <15 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10† |
| 15-17 | 10 | 157 | 86 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 266 |
| 18-19 | 0 | 187 | 595 | 304 | 19 | * | 0 | 0 | 0 | 0 | 1,110† |
| 20-24 | 0 | 96 | 997 | 6,741 | 1,245 | 217 | 43 | 8 | * | 0 | 9,350† |
| 25-29 | 0 | * | 165 | 4,301 | 10,858 | 2,091 | 320 | 55 | 0 | 0 | 17,800† |
| 30-34 | 0 | * | 45 | 1,039 | 6,622 | 10,259 | 1,557 | 138 | * | 0 | 19,670† |
| 35-39 | 0 | 0 | 22 | 254 | 1,535 | 5,409 | 4,771 | 462 | 22 | 0 | 12,475 |
| 40-44 | 0 | 0 | 9 | 97 | 478 | 1,398 | 2,225 | 805 | 34 | 0 | 5,046 |
| 45-49 | 0 | 0 | 0 | 34 | 148 | 370 | 618 | 420 | 49 | 0 | 1,639 |
| 50-54 | 0 | 0 | * | 25 | 56 | 110 | 182 | 128 | 33 | * | 540† |
| 55+ | 0 | 0 | * | 8 | 28 | 70 | 78 | 64 | 24 | * | 270† |
| Unknown | 29 | 419 | 747 | 2,871 | 2,628 | 1,865 | 870 | 237 | 28 | 0 | 9,694 |
| TOTAL | 40† | 870† | 2,670† | 15,687 | 23,617 | 21,790† | 10,664 | 2,317 | 200† | 0† | 77,857 |

**TABLE 1B-20
LIVE BIRTHS BY MOTHER'S RACE/ETHNICITY AND FATHER'S RACE/ETHNICITY, ARIZONA, 2021**

| Father's race/ethnicity | Mother's race/ethnicity | | | | | TOTAL |
|----------------------------------|-------------------------|--------------------|---------------------------|----------------------------------|---------------------------|---------------|
| | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | |
| White non-Hispanic | 27,169 | 9,621 | 1,734 | 1,219 | 884 | 40,627 |
| Hispanic or Latino | 4,744 | 21,010 | 299 | 524 | 270 | 26,847 |
| Black or African American | 1,238 | 1,022 | 2,730 | 90 | 65 | 5,145 |
| American Indian or Alaska Native | 226 | 381 | 16 | 2,045 | 15 | 2,683 |
| Asian or Pacific Islander | 474 | 254 | 16 | 28 | 1,783 | 2,555 |
| TOTAL | 33,851 | 32,288 | 4,795 | 3,906 | 3,017 | 77,857 |

**TABLE 1B-21
LIVE BIRTHS BY MOTHER'S AND FATHER'S EDUCATION, ARIZONA, 2021**

| Father's education | Mother's education | | | | | | | | TOTAL |
|------------------------|--------------------|------------------|------------------|---------------|------------------|-------------------|-------------------------|------------|---------------|
| | 8th Grade or Less | Some High School | High School/ GED | Some College | Associate Degree | Bachelor's Degree | Post graduate Education | Un-known | |
| 8th Grade or Less | 687 | 441 | 490 | 199 | 124 | 53 | 14 | * | 2,011 |
| Some High School | 273 | 2,799 | 2,787 | 1,267 | 376 | 220 | 69 | 16 | 7,807 |
| High School/ GED | 266 | 2,220 | 9,481 | 4,426 | 1,631 | 1,646 | 432 | 27 | 20,129 |
| Some College | 63 | 582 | 2,875 | 5,907 | 1,557 | 2,564 | 842 | 20 | 14,410 |
| Associate Degree | 53 | 174 | 824 | 1,247 | 1,155 | 1,384 | 452 | * | 5,292 |
| Bachelor's Degree | 26 | 112 | 946 | 1,647 | 1,076 | 5,683 | 2,479 | 6 | 11,975 |
| Postgraduate Education | 13 | 21 | 224 | 438 | 353 | 2,381 | 2,602 | * | 6,036 |
| Unknown | 442 | 2,640 | 3,774 | 1,951 | 533 | 357 | 131 | 369 | 10,197 |
| TOTAL | 1,823 | 8,989 | 21,401 | 17,082 | 6,805 | 14,288 | 7,021 | 448 | 77,857 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; 448 cases were missing mother's education and 10,197 cases were missing father's education.

**TABLE 1B-22
TOTAL BIRTHS AND RATIOS OF BIRTH BY MOTHER'S MARITAL STATUS^a,
AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2021**

| | | | TOTAL | Mother's age group | | | | | | | | | Un-known |
|----------------------------------------|-----------|---------|---------|--------------------|--------|--------|--------|--------|--------|--------|--------|-------|----------|
| | | | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | |
| All racial/ ethnic groups | Married | Count | 41,710† | 0 | 13 | 241 | 4,555 | 12,946 | 14,808 | 7,507 | 1,531 | 109 | * |
| | | Percent | 53.6% | 0.0% | 1.5% | 9.0% | 29.0% | 54.8% | 67.9% | 70.4% | 66.1% | 55.6% | ** |
| | Unmarried | Count | 35,169 | 43 | 855 | 2,421 | 11,011 | 10,439 | 6,682 | 2,960 | 714 | 44 | 0 |
| | | Percent | 45.2% | 100.0% | 98.4% | 90.7% | 70.2% | 44.2% | 30.7% | 27.8% | 30.8% | 22.4% | 0.0% |
| | Unknown | Count | 980† | 0 | * | 6 | 121 | 232 | 304 | 197 | 72 | 43 | * |
| | | Percent | 1.3% | 0.0% | ** | 0.2% | 0.8% | 1.0% | 1.4% | 1.8% | 3.1% | 21.9% | ** |
| TOTAL | Count | 77,860† | 43 | 869 | 2,668 | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 196 | * | |
| Percent | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | ** | |
| White non- Hispanic | Married | Count | 23,090† | 0 | 6 | 75 | 2,183 | 6,990 | 8,671 | 4,296 | 811 | 54 | * |
| | | Percent | 68.2% | 0.0% | 4.1% | 11.4% | 42.2% | 68.6% | 78.8% | 78.8% | 73.3% | 49.1% | ** |
| | Unmarried | Count | 10,316 | 10 | 141 | 582 | 2,939 | 3,117 | 2,201 | 1,056 | 254 | 16 | 0 |
| | | Percent | 30.5% | 100.0% | 95.9% | 88.3% | 56.8% | 30.6% | 20.0% | 19.4% | 23.0% | 14.5% | 0.0% |
| | Unknown | Count | 450† | 0 | 0 | * | 51 | 82 | 131 | 100 | 41 | 40 | * |
| | | Percent | 1.3% | 0.0% | 0.0% | ** | 1.0% | 0.8% | 1.2% | 1.8% | 3.7% | 36.4% | ** |
| TOTAL | Count | 33,850† | 10 | 147 | 659 | 5,173 | 10,189 | 11,003 | 5,452 | 1,106 | 110 | * | |
| Percent | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | ** | |
| Hispanic or Latino | Married | Count | 13,741 | 0 | 7 | 150 | 2,016 | 4,741 | 4,272 | 2,050 | 474 | 31 | 0 |
| | | Percent | 42.6% | 0.0% | 1.2% | 9.4% | 24.4% | 46.6% | 57.6% | 60.6% | 58.4% | 60.8% | 0.0% |
| | Unmarried | Count | 18,132 | 21 | 558 | 1,444 | 6,187 | 5,311 | 3,015 | 1,269 | 309 | 18 | 0 |
| | | Percent | 56.2% | 100.0% | 98.6% | 90.5% | 74.9% | 52.2% | 40.6% | 37.5% | 38.1% | 35.3% | 0.0% |
| | Unknown | Count | 420† | 0 | * | * | 61 | 124 | 134 | 62 | 29 | * | 0 |
| | | Percent | 1.3% | 0.0% | ** | ** | 0.7% | 1.2% | 1.8% | 1.8% | 3.6% | ** | 0.0% |
| TOTAL | Count | 32,288 | 21 | 566 | 1,596 | 8,264 | 10,176 | 7,421 | 3,381 | 812 | 51 | 0 | |
| Percent | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 0.0% | |
| Black or African American | Married | Count | 1,656 | 0 | 0 | 7 | 165 | 473 | 558 | 362 | 83 | 8 | 0 |
| | | Percent | 34.5% | 0.0% | 0.0% | 4.1% | 15.7% | 32.8% | 44.0% | 56.3% | 52.2% | 61.5% | 0.0% |
| | Unmarried | Count | 3,090† | * | 43 | 162 | 882 | 958 | 692 | 266 | 75 | * | 0 |
| | | Percent | 64.3% | ** | 100.0% | 94.7% | 83.7% | 66.5% | 54.6% | 41.4% | 47.2% | ** | 0.0% |
| | Unknown | Count | 50† | 0 | 0 | * | 7 | 10 | 18 | 15 | * | * | 0 |
| | | Percent | 1.1% | 0.0% | 0.0% | ** | 0.7% | 0.7% | 1.4% | 2.3% | ** | ** | 0.0% |
| TOTAL | Count | 4,800† | * | 43 | 171 | 1,054 | 1,441 | 1,268 | 643 | 159 | 13 | 0 | |
| Percent | 100.0% | ** | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 0.0% | |
| American Indian or Alaska Native | Married | Count | 760† | 0 | 0 | * | 92 | 209 | 275 | 143 | 32 | * | 0 |
| | | Percent | 19.4% | 0.0% | 0.0% | ** | 9.6% | 18.6% | 29.5% | 31.8% | 34.0% | ** | 0.0% |
| | Unmarried | Count | 3,110† | 7 | 108 | 222 | 865 | 904 | 642 | 291 | 62 | * | 0 |
| | | Percent | 79.5% | 100.0% | 100.0% | 97.8% | 90.2% | 80.3% | 69.0% | 64.8% | 66.0% | ** | 0.0% |
| | Unknown | Count | 40† | 0 | 0 | 0 | * | 13 | 14 | 15 | 0 | 0 | 0 |
| | | Percent | 1.1% | 0.0% | 0.0% | 0.0% | ** | 1.2% | 1.5% | 3.3% | 0.0% | 0.0% | 0.0% |
| TOTAL | Count | 3,910† | 7 | 108 | 227 | 959 | 1,126 | 931 | 449 | 94 | * | 0 | |
| Percent | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | ** | 0.0% | |
| Asian or Pacific Islander | Married | Count | 2,470† | 0 | 0 | * | 99 | 533 | 1,032 | 656 | 131 | 15 | 0 |
| | | Percent | 81.9% | 0.0% | 0.0% | ** | 41.8% | 77.8% | 88.1% | 88.8% | 89.7% | 88.2% | 0.0% |
| | Unmarried | Count | 530† | * | * | 11 | 138 | 149 | 132 | 78 | 14 | * | 0 |
| | | Percent | 17.6% | ** | ** | 73.3% | 58.2% | 21.8% | 11.3% | 10.6% | 9.6% | ** | 0.0% |
| | Unknown | Count | 20† | 0 | 0 | 0 | 0 | * | 7 | * | * | 0 | 0 |
| | | Percent | 0.5% | 0.0% | 0.0% | 0.0% | 0.0% | ** | 0.6% | ** | ** | 0.0% | 0.0% |
| TOTAL | Count | 3,020† | * | * | 15 | 237 | 685 | 1,171 | 739 | 146 | 17 | 0 | |
| Percent | 100.0% | ** | ** | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 0.0% | |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced.

**TABLE 1B-23
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF
PREVIOUS LIVE BIRTHS, ARIZONA, 2021**

| | | TOTAL | Mother's age group | | | | | | | | | |
|-----------------------------------------------------|------------------|--------|--------------------|-------|--------|--------|--------|--------|--------|-------|-----|--------------|
| | | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un- known |
| All racial/ ethnic groups | TOTAL | 77,857 | 43 | 869 | 2,670† | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 196 | 0† |
| | None | 28,823 | 43 | 815 | 2,201 | 8,736 | 8,447 | 5,924 | 2,201 | 414 | 41 | * |
| | 1 | 23,646 | 0 | 54 | 416 | 4,939 | 7,757 | 6,840 | 3,042 | 553 | 45 | 0 |
| | 2 | 13,551 | 0 | 0 | 47 | 1,531 | 4,573 | 4,606 | 2,336 | 426 | 32 | 0 |
| | 3 | 6,610† | 0 | 0 | * | 380 | 1,896 | 2,483 | 1,495 | 329 | 26 | * |
| | 4 or more | 5,210† | 0 | 0 | * | 98 | 940 | 1,937 | 1,587 | 593 | 52 | 0 |
| | Unknown | 20† | 0 | 0 | 0 | * | * | * | * | * | 0 | 0 |
| White non- Hispanic | TOTAL | 33,851 | 10 | 147 | 660† | 5,173 | 10,189 | 11,003 | 5,452 | 1,106 | 110 | 0† |
| | None | 13,163 | 10 | 141 | 557 | 3,091 | 4,262 | 3,506 | 1,325 | 244 | 26 | * |
| | 1 | 10,855 | 0 | 6 | 93 | 1,554 | 3,409 | 3,713 | 1,738 | 309 | 33 | 0 |
| | 2 | 5,559 | 0 | 0 | 8 | 406 | 1,687 | 2,106 | 1,145 | 193 | 14 | 0 |
| | 3 | 2,510† | 0 | 0 | * | 94 | 596 | 1,017 | 649 | 138 | 11 | * |
| | 4 or more | 1,753 | 0 | 0 | 0 | 25 | 232 | 657 | 592 | 221 | 26 | 0 |
| | Unknown | 10† | 0 | 0 | 0 | * | * | * | * | * | 0 | 0 |
| Hispanic or Latino | TOTAL | 32,288 | 21 | 566 | 1,600† | 8,264 | 10,176 | 7,421 | 3,381 | 812 | 50† | 0 |
| | None | 11,626 | 21 | 528 | 1,298 | 4,494 | 3,151 | 1,518 | 512 | 96 | 8 | 0 |
| | 1 | 9,430† | 0 | 38 | 261 | 2,657 | 3,383 | 2,157 | 778 | 154 | * | 0 |
| | 2 | 6,042 | 0 | 0 | 34 | 860 | 2,237 | 1,898 | 837 | 167 | 9 | 0 |
| | 3 | 3,000† | 0 | 0 | * | 207 | 942 | 1,049 | 651 | 140 | 11 | 0 |
| | 4 or more | 2,190† | 0 | 0 | * | 46 | 463 | 799 | 603 | 255 | 18 | 0 |
| | Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Black or African American | TOTAL | 4,800† | 0† | 40† | 170† | 1,054 | 1,441 | 1,268 | 643 | 159 | 10† | 0 |
| | None | 1,580† | * | 42 | 143 | 544 | 447 | 256 | 114 | 28 | * | 0 |
| | 1 | 1,260† | 0 | * | 25 | 332 | 402 | 332 | 142 | 22 | * | 0 |
| | 2 | 880† | 0 | 0 | * | 116 | 321 | 275 | 138 | 26 | * | 0 |
| | 3 | 510† | 0 | 0 | 0 | 46 | 157 | 203 | 80 | 24 | * | 0 |
| | 4 or more | 560† | 0 | 0 | 0 | 16 | 114 | 202 | 169 | 58 | * | 0 |
| | Unknown | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 |
| American Indian or Alaska Native | TOTAL | 3,910† | 7 | 108 | 230† | 959 | 1,126 | 931 | 449 | 94 | 10† | 0 |
| | None | 1,151 | 7 | 100 | 191 | 459 | 214 | 127 | 47 | 6 | 0 | 0 |
| | 1 | 1,005 | 0 | 8 | 34 | 340 | 359 | 191 | 61 | 12 | 0 | 0 |
| | 2 | 690† | 0 | 0 | * | 122 | 260 | 197 | 94 | 14 | * | 0 |
| | 3 | 450† | 0 | 0 | 0 | 28 | 169 | 168 | 68 | 14 | * | 0 |
| | 4 or more | 610† | 0 | 0 | 0 | 10 | 123 | 248 | 179 | 48 | * | 0 |
| | Unknown | 0† | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Asian or Pacific Islander | TOTAL | 3,020† | 0† | 10† | 20† | 240† | 685 | 1,171 | 739 | 146 | 20† | 0 |
| | None | 1,310† | * | * | 12 | 148 | 373 | 517 | 203 | 40 | 6 | 0 |
| | 1 | 1,090† | 0 | * | * | 56 | 204 | 447 | 323 | 56 | * | 0 |
| | 2 | 380† | 0 | 0 | 0 | 27 | 68 | 130 | 122 | 26 | * | 0 |
| | 3 | 140† | 0 | 0 | 0 | * | 32 | 46 | 47 | 13 | * | 0 |
| | 4 or more | 100† | 0 | 0 | 0 | * | 8 | 31 | 44 | 11 | * | 0 |
| | Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; totals include records with unknown number of previous live births.

**TABLE 1B-24
CHANGES FROM 2011 TO 2021 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH
BY AREA AND RACE/ETHNICITY**

| Characteristics | Urban ^a | | Rural | | White non-Hispanic | | Hispanic or Latino | | Black or African American | | American Indian or Alaska Native | | Asian or Pacific Islander | | | | | | | | |
|--------------------------------------------------|--------------------|--------|--------------|--------|--------------------|--------------|--------------------|--------|---------------------------|--------|----------------------------------|--------------|---------------------------|-------|--------------|-------|-------|--------------|-------|-------|--------------|
| | 2011 | 2021 | % Change | 2011 | 2021 | % Change | 2011 | 2021 | % Change | 2011 | 2021 | % Change | 2011 | 2021 | % Change | | | | | | |
| Number of births^b | 73,040 | 67,950 | -7.0 | 12,150 | 9,810 | -19.3 | 38,294 | 33,851 | -11.6 | 32,398 | 32,288 | -0.3 | 4,366 | 4,795 | 9.8 | 5,830 | 3,906 | -33.0 | 3,505 | 3,017 | -13.9 |
| Per 100 births: | | | | | | | | | | | | | | | | | | | | | |
| Teenage mother^c | 9.4 | 4.3 | -54.3 | 12.7 | 6.5 | -48.8 | 5.4 | 2.4 | -55.6 | 14.3 | 6.8 | -52.4 | 12.8 | 4.5 | -64.8 | 16.9 | 8.8 | -47.9 | 3.2 | 0.7 | -78.1 |
| Unwed mother^d | 43.2 | 44.2 | 2.3 | 51.0 | 52.5 | 2.9 | 29.2 | 30.5 | 4.5 | 56.6 | 56.2 | -0.7 | 63.6 | 64.3 | 1.1 | 77.1 | 79.5 | 3.1 | 16.3 | 17.6 | 8.0 |
| Early prenatal care^e | 82.5 | 72.5 | -12.1 | 77.1 | 66.7 | -13.5 | 87.1 | 77.3 | -11.3 | 76.5 | 68.1 | -11.0 | 80.4 | 65.1 | -19.0 | 68.6 | 57.7 | -15.9 | 86.5 | 77.7 | -10.2 |
| 0-4 prenatal visits | 4.6 | 6.8 | 47.8 | 7.2 | 9.8 | 36.1 | 2.3 | 4.9 | 113.0 | 6.9 | 8.6 | 24.6 | 5.6 | 8.7 | 55.4 | 11.5 | 16.8 | 46.1 | 3.3 | 4.9 | 48.5 |
| C-Section | 28.3 | 29.0 | 2.5 | 25.8 | 26.0 | 0.8 | 29.1 | 28.5 | -2.1 | 26.1 | 27.9 | 6.9 | 31.1 | 34.2 | 10.0 | 23.1 | 26.2 | 13.4 | 33.0 | 32.8 | -0.6 |
| LBW rate | 6.9 | 7.8 | 13.0 | 7.3 | 8.2 | 12.3 | 6.6 | 7.2 | 9.1 | 6.4 | 7.6 | 18.8 | 12.5 | 13.6 | 8.8 | 6.9 | 7.8 | 13.0 | 8.3 | 9.2 | 10.8 |
| Newborn intensive care | 5.7 | 8.0 | 40.4 | 3.7 | 7.7 | 108.1 | 5.5 | 7.9 | 43.6 | 5.2 | 7.5 | 44.2 | 7.5 | 11.2 | 49.3 | 4.3 | 9.0 | 109.3 | 5.2 | 7.0 | 34.6 |
| Preterm births (< 37 weeks) | 9.4 | 10.0 | 6.4 | 8.8 | 10.1 | 14.8 | 9.0 | 9.5 | 5.6 | 9.1 | 9.6 | 5.5 | 12.7 | 14.1 | 11.0 | 9.0 | 12.4 | 37.8 | 9.0 | 10.3 | 14.4 |
| Births paid for by the AHCCCS^f | 52.5 | 44.9 | -14.5 | 56.0 | 56.9 | 1.6 | 35.3 | 30.5 | -13.6 | 72.7 | 60.3 | -17.1 | 68.2 | 65.1 | -4.5 | 59.1 | 65.5 | 10.8 | 29.7 | 22.9 | -22.9 |

Notes: ^a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; ^b Per 100 live births; ^c Less than 20 years old; ^d Beginning with data year 2015; ^e the coding of marital status has changed as such unmarried category includes divorced; ^f The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

**TABLE 1B-25
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2021**

| | TOTAL | Urban ^a | Rural | Un- known | Mother's race/ethnicity | | | | |
|------------------------------------------------|--------|--------------------|-------|--------------|-------------------------|--------------------|---------------------------|----------------------------------|---------------------------|
| | | | | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander |
| TOTAL | 77,857 | 67,950 | 9,810 | 100† | 33,851 | 32,288 | 4,800† | 3,910† | 3,020† |
| Mother's age group | | | | | | | | | |
| <15 | 40† | 33 | 10 | 0 | 10 | 21 | * | 7 | * |
| 15-17 | 870† | 679 | 189 | * | 147 | 566 | 43 | 108 | * |
| 18-19 | 2,668 | 2,227 | 441 | 0 | 659 | 1,596 | 171 | 227 | 15 |
| 20-24 | 15,687 | 13,292 | 2,385 | 10 | 5,173 | 8,264 | 1,054 | 959 | 237 |
| 25-29 | 23,617 | 20,553 | 3,049 | 15 | 10,189 | 10,176 | 1,441 | 1,126 | 685 |
| 30-34 | 21,794 | 19,379 | 2,397 | 18 | 11,003 | 7,421 | 1,268 | 931 | 1,171 |
| 35-39 | 10,664 | 9,566 | 1,079 | 19 | 5,452 | 3,381 | 643 | 449 | 739 |
| 40-44 | 2,317 | 2,061 | 247 | 9 | 1,106 | 812 | 159 | 94 | 146 |
| 45+ | 200† | 159 | 13 | 24 | 110 | 51 | 13 | * | 17 |
| Unknown | 0† | * | 0 | * | * | 0 | 0 | 0 | 0 |
| Payer for birth | | | | | | | | | |
| AHCCCS | 36,163 | 30,508 | 5,585 | 70 | 10,314 | 19,480 | 3,121 | 2,557 | 691 |
| IHS | 760† | 495 | 264 | * | 39 | 46 | * | 671 | * |
| Private insurance | 33,649 | 30,651 | 2,991 | 7 | 19,971 | 9,734 | 1,340 | 550 | 2,054 |
| Self-pay | 4,325 | 3,673 | 638 | 14 | 2,159 | 1,773 | 163 | 83 | 147 |
| Unknown | 2,959 | 2,623 | 332 | * | 1,368 | 1,255 | 167 | 45 | 124 |
| Mother's education | | | | | | | | | |
| 8th Grade or Less | 1,823 | 1,673 | 146 | * | 241 | 1,298 | 167 | 64 | 53 |
| Some High School | 8,989 | 7,552 | 1,433 | * | 1,971 | 5,508 | 518 | 876 | 116 |
| High School / GED | 21,401 | 18,203 | 3,183 | 15 | 6,791 | 11,162 | 1,550 | 1,458 | 440 |
| Some College | 17,082 | 14,684 | 2,394 | * | 7,485 | 7,041 | 1,283 | 938 | 335 |
| Associate Degree | 6,805 | 5,831 | 973 | * | 3,246 | 2,658 | 397 | 294 | 210 |
| Bachelor's Degree | 14,288 | 13,102 | 1,183 | * | 9,205 | 3,372 | 553 | 185 | 973 |
| Postgraduate Education | 7,021 | 6,566 | 454 | * | 4,607 | 1,153 | 301 | 75 | 885 |
| Unknown | 450† | 337 | 44 | 67 | 305 | 96 | 26 | 16 | * |
| Marital status | | | | | | | | | |
| Married | 41,711 | 37,174 | 4,536 | * | 23,087 | 13,741 | 1,656 | 757 | 2,470 |
| Unmarried ^b | 35,169 | 30,011 | 5,153 | * | 10,316 | 18,132 | 3,085 | 3,105 | 531 |
| Unknown | 977 | 765 | 121 | 91 | 448 | 415 | 54 | 44 | 16 |
| Weight gain | | | | | | | | | |
| Inadequate | 17,332 | 15,149 | 2,153 | 30 | 6,536 | 7,879 | 1,203 | 876 | 838 |
| Adequate | 23,029 | 20,214 | 2,792 | 23 | 10,241 | 9,461 | 1,238 | 1,040 | 1,049 |
| Excessive | 36,608 | 31,826 | 4,749 | 33 | 16,773 | 14,539 | 2,258 | 1,928 | 1,110 |
| Unknown | 888 | 761 | 116 | 11 | 301 | 409 | 96 | 62 | 20 |
| Smoking during pregnancy | | | | | | | | | |
| Non-smoker | 74,635 | 65,847 | 8,750 | 38 | 31,874 | 31,615 | 4,596 | 3,578 | 2,972 |
| Light smoker (less than 10 cigarettes per day) | 1,468 | 1,103 | 352 | 13 | 858 | 355 | 127 | 107 | 21 |
| Heavy smoker (10 or more cigarettes per day) | 1,017 | 721 | 282 | 14 | 776 | 160 | 43 | 28 | 10 |
| Unknown | 737 | 279 | 426 | 32 | 343 | 158 | 29 | 193 | 14 |
| Length of gestation | | | | | | | | | |
| <37 weeks | 7,779 | 6,768 | 990 | 21 | 3,207 | 3,102 | 674 | 485 | 311 |
| 37-41 weeks | 69,838 | 60,997 | 8,767 | 74 | 30,507 | 29,125 | 4,102 | 3,403 | 2,701 |
| 42+ weeks | 160† | 130 | 28 | 0 | 89 | 40 | 16 | 9 | * |
| Unknown | 80† | 55 | 25 | * | 48 | 21 | * | 9 | * |
| Weight at birth | | | | | | | | | |
| <1,000 grams | 472 | 423 | 49 | 0 | 154 | 213 | 66 | 20 | 19 |
| 1,000-1,499 | 508 | 448 | 60 | 0 | 202 | 193 | 60 | 31 | 22 |
| 1,500-2,499 | 5,160 | 4,455 | 694 | 11 | 2,093 | 2,049 | 527 | 255 | 236 |
| 2,500-3,999 | 65,815 | 57,369 | 8,362 | 84 | 28,397 | 27,643 | 3,931 | 3,228 | 2,616 |
| 4,000+ grams | 5,842 | 5,207 | 633 | * | 2,964 | 2,177 | 206 | 372 | 123 |
| Unknown | 60† | 48 | 12 | 0 | 41 | 13 | * | 0 | * |

**TABLE 1B-25 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2021**

| | TOTAL | Urban ^a | Rural | Un- known | Mother's race/ethnicity | | | | | |
|-----------------------------------------------------|--------|--------------------|-------|--------------|---------------------------|-----------------------|---------------------------------|-------------------------------------------|---------------------------------|--|
| | | | | | White non- Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | |
| Prenatal care | | | | | | | | | | |
| No care | 1,941 | 1,603 | 302 | 36 | 574 | 986 | 124 | 209 | 48 | |
| 1st trimester | 55,860 | 49,286 | 6,547 | 27 | 26,161 | 21,979 | 3,121 | 2,255 | 2,344 | |
| 2nd trimester | 12,841 | 10,946 | 1,880 | 15 | 4,547 | 6,036 | 1,014 | 832 | 412 | |
| 3rd trimester | 4,741 | 4,037 | 694 | 10 | 1,527 | 2,317 | 351 | 398 | 148 | |
| Unknown | 2,474 | 2,078 | 387 | 9 | 1,042 | 970 | 185 | 212 | 65 | |
| Prenatal visits | | | | | | | | | | |
| No visits | 1,941 | 1,603 | 302 | 36 | 574 | 986 | 124 | 209 | 48 | |
| 1-4 visits | 3,702 | 3,029 | 659 | 14 | 1,068 | 1,795 | 292 | 447 | 100 | |
| 5-8 visits | 13,191 | 11,206 | 1,968 | 17 | 4,645 | 6,106 | 1,022 | 964 | 454 | |
| 9-12 visits | 34,549 | 30,322 | 4,208 | 19 | 15,950 | 13,926 | 1,913 | 1,381 | 1,379 | |
| 13+ visits | 23,683 | 21,187 | 2,491 | * | 11,223 | 9,250 | 1,405 | 796 | 1,009 | |
| Unknown | 791 | 603 | 182 | 6 | 391 | 225 | 39 | 109 | 27 | |
| Newborn intensive care | | | | | | | | | | |
| Yes | 6,189 | 5,404 | 760 | 25 | 2,677 | 2,414 | 535 | 353 | 210 | |
| No | 71,668 | 62,546 | 9,050 | 72 | 31,174 | 29,874 | 4,260 | 3,553 | 2,807 | |
| Method of delivery | | | | | | | | | | |
| Vaginal | 53,399 | 46,466 | 6,866 | 67 | 23,191 | 22,428 | 3,044 | 2,806 | 1,930 | |
| C-Section | 22,319 | 19,739 | 2,554 | 26 | 9,659 | 9,005 | 1,640 | 1,025 | 990 | |
| Forceps | 299 | 268 | 31 | 0 | 156 | 117 | 11 | 6 | 9 | |
| Vacuum | 1,836 | 1,474 | 358 | * | 842 | 738 | 100 | 69 | 87 | |
| Unknown | 0† | * | * | 0 | * | 0 | 0 | 0 | * | |
| Obstetric procedures^c | | | | | | | | | | |
| Total | 39,990 | 34,958 | 5,010 | 22 | 16,748 | 17,361 | 2,323 | 2,127 | 1,431 | |
| Induction of labor | 23,935 | 20,754 | 3,171 | 10 | 10,478 | 9,966 | 1,402 | 1,350 | 739 | |
| Augmentation of labor | 22,715 | 20,533 | 2,170 | 12 | 8,755 | 10,568 | 1,346 | 1,149 | 897 | |
| Cervical cerclage | 170† | 143 | 25 | 0 | 50 | 80 | 26 | * | 8 | |
| Tocolysis | 359 | 270 | 89 | 0 | 112 | 156 | 42 | 40 | 9 | |
| External cephalic version successful | 100† | 70 | 25 | 0 | 45 | 27 | 7 | 13 | * | |
| External cephalic version failed | 130† | 100 | 29 | 0 | 54 | 48 | 7 | 16 | * | |
| Births with medical risk factors^c | | | | | | | | | | |
| Total | 22,606 | 19,818 | 2,760 | 28 | 8,260 | 10,003 | 1,645 | 1,838 | 860 | |
| Pre-existing diabetes | 983 | 804 | 179 | 0 | 277 | 441 | 55 | 177 | 33 | |
| Gestational diabetes | 7,709 | 6,791 | 916 | * | 2,571 | 3,488 | 382 | 759 | 509 | |
| Pre-existing hypertension | 1,441 | 1,243 | 197 | * | 546 | 558 | 180 | 128 | 29 | |
| Gestational hypertension | 7,051 | 6,150 | 898 | * | 2,951 | 2,794 | 545 | 580 | 181 | |
| Eclampsia | 130† | 115 | 16 | * | 51 | 58 | 10 | 11 | * | |
| Previous preterm birth | 3,548 | 3,063 | 476 | 9 | 1,365 | 1,541 | 308 | 240 | 94 | |
| Other previous poor pregnancy outcome | 4,626 | 4,217 | 403 | 6 | 1,641 | 2,226 | 410 | 209 | 140 | |
| Gonorrhea | 270† | 225 | 37 | * | 57 | 125 | 41 | 42 | * | |
| Syphilis | 300† | 224 | 72 | * | 57 | 120 | 37 | 80 | * | |
| Chlamydia | 1,969 | 1,667 | 295 | 7 | 351 | 1,141 | 172 | 276 | 29 | |
| Hepatitis B | 110† | 103 | * | * | 30 | 18 | 30 | * | 26 | |
| Hepatitis C | 200† | 174 | 29 | * | 112 | 66 | 10 | 15 | * | |

**TABLE 1B-25 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2021**

| | TOTAL | Urban ^a | Rural | Un- known | Mother's race/ethnicity | | | | | |
|--------------------------------------------------------------------|--------|--------------------|-------|--------------|-------------------------|--------------------|---------------------------|----------------------------------|---------------------------|--|
| | | | | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | |
| Births with complications of labor and delivery^c | | | | | | | | | | |
| Total | 24,254 | 21,620 | 2,605 | 29 | 10,197 | 10,068 | 1,646 | 1,323 | 1,020 | |
| Premature rupture of the membranes | 3,992 | 3,497 | 489 | 6 | 1,518 | 1,751 | 256 | 290 | 177 | |
| Prolonged labor | 5,161 | 4,567 | 584 | 10 | 2,551 | 1,821 | 276 | 276 | 237 | |
| Breech presentation | 2,113 | 1,824 | 286 | * | 849 | 898 | 129 | 141 | 96 | |
| Chorioamnionitis | 3,148 | 2,724 | 421 | * | 1,453 | 1,214 | 198 | 158 | 125 | |
| Meconium staining of the amniotic fluid | 1,635 | 1,519 | 114 | * | 488 | 867 | 97 | 86 | 97 | |
| Fetal intolerance | 5,532 | 5,020 | 503 | 9 | 2,054 | 2,596 | 379 | 302 | 201 | |
| Maternal transfusion | 7,335 | 6,703 | 627 | * | 2,919 | 3,117 | 646 | 361 | 292 | |
| Third or fourth degree perineal laceration | 527 | 425 | 101 | * | 168 | 224 | 29 | 80 | 26 | |
| Ruptured uterus | 376 | 330 | 46 | 0 | 195 | 114 | 16 | 21 | 30 | |
| Unplanned hysterectomy | 40† | 39 | * | 0 | 18 | 16 | 6 | * | * | |
| Admission to intensive care unit | 40† | 26 | 16 | 0 | 21 | 15 | 0 | * | * | |
| Unplanned surgery following delivery | 180† | 142 | 37 | 0 | 80 | 58 | 15 | 22 | * | |
| Total | 227 | 168 | 59 | 0 | 80 | 100 | 8 | 29 | 10 | |
| Abnormal conditions of the newborn^c | | | | | | | | | | |
| Total | 3,998 | 3,287 | 699 | 12 | 1,840 | 1,461 | 322 | 238 | 137 | |
| Assisted ventilation immediately after delivery | 3,137 | 2,551 | 581 | * | 1,491 | 1,115 | 252 | 172 | 107 | |
| Assisted ventilation for more than 6 hours | 2,078 | 1,738 | 337 | * | 958 | 782 | 168 | 110 | 60 | |
| Surfactant replacement therapy | 411 | 355 | 56 | 0 | 190 | 151 | 36 | 21 | 13 | |
| Suspected neonatal sepsis | 1,677 | 1,449 | 217 | 11 | 721 | 653 | 153 | 88 | 62 | |
| Seizure or serious neurologic dysfunction | 30† | 27 | * | 0 | 16 | 8 | * | * | * | |
| Significant birth injury | 90† | 72 | 16 | 0 | 35 | 38 | * | 8 | * | |
| Total | 355 | 281 | 72 | 2 | 154 | 152 | 19 | 22 | 8 | |
| Congenital anomalies of the newborn^c | | | | | | | | | | |
| Anencephalus | 0† | * | 0 | 0 | * | * | * | 0 | * | |
| Spina bifida / Meningocele | 20† | 16 | * | 0 | 7 | 11 | * | * | 0 | |
| Cyanotic congenital heart disease | 70† | 61 | 11 | 0 | 27 | 30 | 6 | 6 | * | |
| Congenital diaphragmatic hernia | 10† | 7 | * | 0 | * | * | * | 0 | * | |
| Omphalocele / Gastroschisis | 30† | 24 | * | 0 | 10 | 13 | * | * | 0 | |
| Limb reduction defect | 10† | 11 | * | 0 | 7 | * | * | * | 0 | |
| Cleft lip / palate | 60† | 47 | 10 | 0 | 25 | 23 | * | 6 | * | |
| Down syndrome | 60† | 52 | 7 | 0 | 24 | 31 | * | * | * | |
| Suspected chromosomal disorder | 50† | 41 | * | 0 | 17 | 21 | * | * | * | |
| Hypospadias | 30† | 23 | * | 0 | 13 | 11 | * | 0 | * | |
| Unknown congenital anomalies | 60† | 26 | 30 | * | 33 | 15 | * | * | * | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see Technical Notes for more information; ^b Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^c Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

**TABLE 1B-26
CHANGES FROM 2011 TO 2021 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH
WHICH DIFFER BY PAYER FOR THE DELIVERY**

| Characteristics | AHCCCS ^a | | | Indian Health Service | | | Private Health Insurance | | | Self-pay | | |
|----------------------------------------|---------------------|--------|--------------|-----------------------|------|--------------|--------------------------|--------|--------------|----------|-------|--------------|
| | 2011 | 2021 | % Change | 2011 | 2021 | % Change | 2011 | 2021 | % Change | 2011 | 2021 | % Change |
| Number of births^b | 45,148 | 36,163 | -19.9 | 1,663 | 761 | -54.2 | 35,362 | 33,649 | -4.8 | 2,635 | 4,325 | 64.1 |
| Per 100 births: | | | | | | | | | | | | |
| Teenage mother^c | 15.6 | 8.1 | -48.1 | 18.3 | 9.1 | -50.3 | 2.4 | 1.1 | -54.2 | 7.2 | 3.0 | -58.3 |
| Unwed mother^d | 64.8 | 69.2 | 6.8 | 76.4 | 80.8 | 5.8 | 17.6 | 22.4 | 27.3 | 31.5 | 27.5 | -12.7 |
| Early prenatal care^e | 75.4 | 64.7 | -14.2 | 64.5 | 51.8 | -19.7 | 91.7 | 81.8 | -10.8 | 69.5 | 59.1 | -15.0 |
| 0-4 prenatal visits | 6.7 | 10.2 | 52.2 | 14.6 | 22.5 | 54.1 | 1.4 | 2.8 | 100.0 | 16.5 | 14.5 | -12.1 |
| C-Section^f | 25.8 | 28.0 | 8.5 | 20.4 | 27.6 | 35.3 | 31.7 | 30.7 | -3.2 | 19.5 | 19.8 | 1.5 |
| LBW rate | 7.4 | 8.8 | 18.9 | 5.6 | 7.4 | 32.1 | 6.7 | 7.2 | 7.5 | 4.9 | 5.7 | 16.3 |
| Newborn intensive care | 5.6 | 8.7 | 55.4 | 2.8 | 12.7 | 353.6 | 5.5 | 7.1 | 29.1 | 4.1 | 5.8 | 41.5 |
| Preterm birth < 37 weeks | 9.7 | 11.0 | 13.4 | 7.3 | 11.4 | 56.2 | 9.0 | 9.2 | 2.2 | 7.2 | 7.2 | 0.0 |

Notes: ^a The Arizona Health Care Cost Containment System is the State's Medicaid program; ^b Per 100 live births; ^c Less than 20 years old; ^d Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^e Entered care in first trimester of pregnancy; ^f C-section includes primary and repeat.

**TABLE 1B-27
PAYER FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2021**

| | TOTAL | Payer for birth | | | | |
|------------------------------------------------|--------|---------------------|------|-------------------|----------|---------|
| | | AHCCCS ^a | IHS | Private Insurance | Self-pay | Unknown |
| TOTAL | 77,857 | 36,163 | 760† | 33,650† | 4,330† | 2,959 |
| Mother's age group | | | | | | |
| <15 | 40† | 36 | * | * | * | 0 |
| 15-17 | 869 | 708 | 29 | 70 | 40 | 22 |
| 18-19 | 2,668 | 2,203 | 39 | 281 | 85 | 60 |
| 20-24 | 15,687 | 10,278 | 189 | 3,915 | 728 | 577 |
| 25-29 | 23,617 | 11,083 | 215 | 10,066 | 1,344 | 909 |
| 30-34 | 21,794 | 7,516 | 200 | 11,884 | 1,344 | 850 |
| 35-39 | 10,664 | 3,408 | 65 | 6,155 | 618 | 418 |
| 40-44 | 2,317 | 832 | 22 | 1,198 | 151 | 114 |
| 45+ | 200† | 98 | * | 77 | 11 | 9 |
| Unknown | 0† | * | 0 | 0 | * | 0 |
| Mother's race/ethnicity | | | | | | |
| White non-Hispanic | 33,851 | 10,314 | 39 | 19,971 | 2,159 | 1,368 |
| Hispanic or Latino | 32,288 | 19,480 | 46 | 9,734 | 1,773 | 1,255 |
| Black or African American | 4,800† | 3,121 | * | 1,340 | 163 | 167 |
| American Indian or Alaska Native | 3,906 | 2,557 | 671 | 550 | 83 | 45 |
| Asian or Pacific Islander | 3,020† | 691 | * | 2,054 | 147 | 124 |
| 8th Grade or Less | 1,823 | 1,378 | 23 | 92 | 113 | 217 |
| Some High School | 8,989 | 7,420 | 197 | 768 | 323 | 281 |
| High School / GED | 21,401 | 13,996 | 290 | 5,514 | 984 | 617 |
| Some College | 17,082 | 8,040 | 164 | 7,258 | 947 | 673 |
| Associate Degree | 6,805 | 2,579 | 42 | 3,447 | 442 | 295 |
| Bachelor's Degree | 14,288 | 1,951 | 29 | 10,632 | 1,083 | 593 |
| Postgraduate Education | 7,021 | 474 | 11 | 5,876 | 400 | 260 |
| Unknown | 450† | 325 | * | 62 | 33 | 23 |
| Marital status | | | | | | |
| Married | 41,711 | 10,477 | 135 | 25,902 | 3,055 | 2,142 |
| Unmarried ^b | 35,169 | 25,025 | 615 | 7,550 | 1,190 | 789 |
| Unknown | 977 | 661 | 11 | 197 | 80 | 28 |
| Weight gain | | | | | | |
| Inadequate | 17,332 | 8,802 | 166 | 6,675 | 1,011 | 678 |
| Adequate | 23,029 | 9,991 | 193 | 10,514 | 1,414 | 917 |
| Excessive | 36,608 | 16,804 | 394 | 16,286 | 1,807 | 1,317 |
| Unknown | 888 | 566 | 8 | 174 | 93 | 47 |
| Smoking during pregnancy | | | | | | |
| Non-smoker | 74,635 | 33,836 | 697 | 33,116 | 4,088 | 2,898 |
| Light smoker (less than 10 cigarettes per day) | 1,468 | 1,184 | 26 | 192 | 43 | 23 |
| Heavy smoker (10 or more cigarettes per day) | 1,020† | 836 | * | 132 | 27 | 18 |
| Unknown | 737 | 307 | 34 | 209 | 167 | 20 |
| Length of gestation | | | | | | |
| <37 weeks | 7,779 | 3,973 | 87 | 3,103 | 313 | 303 |
| 37-41 weeks | 69,838 | 32,104 | 671 | 30,467 | 3,963 | 2,633 |
| 42+ weeks | 160† | 52 | * | 67 | 28 | 10 |
| Unknown | 80† | 34 | * | 12 | 21 | 13 |
| Weight at birth | | | | | | |
| <1,000 grams | 472 | 226 | 7 | 203 | 16 | 20 |
| 1,000-1,499 | 508 | 262 | 8 | 194 | 24 | 20 |
| 1,500-2,499 | 5,160 | 2,700 | 41 | 2,026 | 206 | 187 |
| 2,500-3,999 | 65,815 | 30,586 | 626 | 28,508 | 3,614 | 2,481 |
| 4,000+ grams | 5,842 | 2,372 | 79 | 2,709 | 435 | 247 |
| Unknown | 60 | 17 | 0 | 9 | 30 | * |

**TABLE 1B-27 (continued)
PAYER FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2021**

| | TOTAL | Payer for birth | | | |
|-----------------------------------------------------|--------|---------------------|-----|-------------------|---------------------|
| | | AHCCCS ^a | IHS | Private Insurance | Self-pay Unknown |
| Prenatal care | | | | | |
| No care | 1,941 | 1,319 | 46 | 196 | 323 |
| 1st trimester | 55,860 | 23,390 | 394 | 27,538 | 2,556 |
| 2nd trimester | 12,841 | 7,397 | 172 | 3,838 | 845 |
| 3rd trimester | 4,741 | 2,757 | 86 | 1,224 | 424 |
| Unknown | 2,474 | 1,300 | 63 | 853 | 177 |
| Prenatal visits | | | | | |
| No visits | 1,941 | 1,319 | 46 | 196 | 323 |
| 1-4 visits | 3,702 | 2,386 | 125 | 742 | 304 |
| 5-8 visits | 13,191 | 7,478 | 211 | 4,215 | 767 |
| 9-12 visits | 34,549 | 15,011 | 209 | 16,268 | 1,828 |
| 13+ visits | 23,683 | 9,629 | 127 | 11,938 | 1,028 |
| Unknown | 791 | 340 | 43 | 290 | 75 |
| Newborn intensive care | | | | | |
| Yes | 6,189 | 3,164 | 97 | 2,398 | 249 |
| No | 71,668 | 32,999 | 664 | 31,251 | 4,076 |
| Method of delivery | | | | | |
| Vaginal | 53,399 | 25,069 | 531 | 22,354 | 3,354 |
| C-Section | 22,319 | 10,127 | 210 | 10,340 | 858 |
| Forceps | 300† | 114 | * | 153 | 17 |
| Vacuum | 1,836 | 852 | 18 | 802 | 96 |
| Unknown | 0† | * | 0 | 0 | 0 |
| Obstetric procedures^c | | | | | |
| Total | 39,990 | 18,934 | 421 | 17,326 | 1,618 |
| Induction of labor | 23,935 | 11,243 | 272 | 10,568 | 876 |
| Augmentation of labor | 22,715 | 10,736 | 264 | 9,622 | 996 |
| Cervical cerclage | 170† | 65 | * | 88 | * |
| Tocolysis | 359 | 197 | 11 | 103 | 16 |
| External cephalic version successful | 100† | 39 | * | 44 | * |
| External cephalic version failed | 130† | 54 | * | 57 | * |
| Total | 22,606 | 11,617 | 381 | 8,778 | 812 |
| Births with medical risk factors^c | | | | | |
| Pre-existing diabetes | 983 | 523 | 31 | 374 | 19 |
| Gestational diabetes | 7,709 | 3,704 | 150 | 3,285 | 298 |
| Pre-existing hypertension | 1,441 | 699 | 36 | 605 | 35 |
| Gestational hypertension | 7,051 | 3,315 | 137 | 2,980 | 248 |
| Eclampsia | 130† | 74 | * | 48 | 6 |
| Previous preterm birth | 3,548 | 1,958 | 55 | 1,197 | 136 |
| Other previous poor pregnancy outcome | 4,626 | 2,471 | 48 | 1,739 | 136 |
| Gonorrhea | 267 | 207 | 11 | 30 | 12 |
| Syphilis | 299 | 233 | 25 | 24 | 12 |
| Chlamydia | 1,969 | 1,463 | 54 | 304 | 67 |
| Hepatitis B | 110† | 60 | * | 35 | * |
| Hepatitis C | 200† | 169 | * | 18 | 9 |

**TABLE 1B-27 (continued)
PAYER FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2021**

| | TOTAL | Payer for birth | | | | |
|--------------------------------------------------------------------|--------|---------------------|-----|-------------------|----------|---------|
| | | AHCCCS ^a | IHS | Private Insurance | Self-pay | Unknown |
| Births with complications of labor and delivery^c | | | | | | |
| Total | 24,254 | 10,849 | 315 | 10,766 | 1,223 | 1,101 |
| Premature rupture of the membranes | 3,992 | 1,772 | 81 | 1,690 | 201 | 248 |
| Precipitous labor | 5,161 | 2,180 | 48 | 2,386 | 346 | 201 |
| Prolonged labor | 2,113 | 882 | 27 | 998 | 111 | 95 |
| Breech presentation | 3,148 | 1,387 | 22 | 1,477 | 135 | 127 |
| Chorioamnionitis | 1,635 | 736 | 19 | 689 | 79 | 112 |
| Meconium staining of the amniotic fluid | 5,532 | 2,744 | 76 | 2,219 | 272 | 221 |
| Fetal intolerance | 7,335 | 3,247 | 119 | 3,209 | 305 | 455 |
| Maternal transfusion | 527 | 263 | 25 | 182 | 29 | 28 |
| Third or fourth degree perineal laceration | 376 | 93 | 6 | 236 | 18 | 23 |
| Ruptured uterus | 40† | 28 | 0 | 11 | * | * |
| Unplanned Hysterectomy | 40† | 23 | 0 | 15 | * | * |
| Admission to intensive care unit | 179 | 85 | 7 | 77 | 7 | * |
| Unplanned surgery following delivery | 227 | 113 | 6 | 80 | 14 | 14 |
| Total | 3,998 | 2,010 | 71 | 1,562 | 171 | 184 |
| Abnormal conditions of the newborn^c | | | | | | |
| Assisted ventilation immediately after delivery | 3,137 | 1,543 | 56 | 1,264 | 136 | 138 |
| Assisted ventilation for more than 6 hours | 2,078 | 1,035 | 43 | 808 | 97 | 95 |
| Surfactant replacement therapy | 411 | 181 | 15 | 154 | 29 | 32 |
| Suspected neonatal sepsis | 1,677 | 883 | 27 | 605 | 76 | 86 |
| Seizure or serious neurologic dysfunction | 30† | 12 | * | 15 | * | * |
| Significant birth injury | 90† | 39 | * | 36 | * | 9 |
| Total | 360† | 189 | 5 | 129 | 12 | 20 |
| Congenital anomalies of the newborn^c | | | | | | |
| Anencephalus | 0† | * | 0 | 0 | 0 | * |
| Spina bifida / Meningocele | 20† | 11 | 0 | 8 | * | 0 |
| Cyanotic congenital heart disease | 70† | 37 | * | 26 | * | 7 |
| Congenital diaphragmatic hernia | 10† | * | 0 | * | * | 0 |
| Omphalocele / Gastroschisis | 30† | 17 | * | 10 | 0 | 0 |
| Limb reduction defect | 10† | 8 | 0 | * | 0 | 0 |
| Cleft lip / palate | 60† | 26 | * | 21 | * | 6 |
| Down syndrome | 60† | 29 | * | 26 | * | * |
| Suspected chromosomal disorder | 45 | 23 | 0 | 19 | 0 | * |
| Hypospadias | 30† | 11 | 0 | 12 | * | * |
| Unknown congenital anomalies | 60† | 38 | * | 12 | * | * |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; ^b Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^c Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

**TABLE 1B-28
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND PARTY PAYING FOR THE DELIVERY,
ARIZONA, 2021**

| | | TOTAL | Mother's age group | | | | | | | | | |
|-----------------------------------------------------|--------------------------|---------------|--------------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|-----------|
| | | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un-known |
| All racial/ ethnic groups | AHCCCS | 36,163 | 36 | 708 | 2,203 | 10,278 | 11,083 | 7,516 | 3,408 | 832 | 98 | * |
| | IHS | 760† | * | 29 | 39 | 189 | 215 | 200 | 65 | 22 | * | 0 |
| | Private insurance | 33,650† | * | 70 | 281 | 3,915 | 10,066 | 11,884 | 6,155 | 1,198 | 77 | 0 |
| | Self-pay | 4,330† | * | 40 | 85 | 728 | 1,344 | 1,344 | 618 | 151 | 11 | * |
| | Unknown | 2,959 | 0 | 22 | 60 | 577 | 909 | 850 | 418 | 114 | 9 | 0 |
| | TOTAL | 77,857 | 40† | 869 | 2,668 | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 200† | 0† |
| White non- Hispanic | AHCCCS | 10,314 | 7 | 108 | 492 | 2,635 | 3,271 | 2,373 | 1,100 | 274 | 53 | * |
| | IHS | 40† | 0 | 0 | * | * | 18 | 11 | * | * | * | 0 |
| | Private insurance | 19,970† | * | 29 | 126 | 2,002 | 5,795 | 7,445 | 3,813 | 713 | 46 | 0 |
| | Self-pay | 2,160† | * | 6 | 25 | 283 | 655 | 750 | 357 | 76 | * | * |
| | Unknown | 1,370† | 0 | * | 15 | 250 | 450 | 424 | 179 | 41 | * | 0 |
| | TOTAL | 33,851 | 10† | 147 | 660† | 5,170† | 10,189 | 11,003 | 5,450† | 1,110† | 110† | 0† |
| Hispanic or Latino | AHCCCS | 19,480 | 19 | 480 | 1,380 | 6,049 | 5,896 | 3,644 | 1,589 | 392 | 31 | 0 |
| | IHS | 50† | 0 | * | * | 10 | 11 | 9 | * | * | 0 | 0 |
| | Private insurance | 9,730† | * | 31 | 124 | 1,565 | 3,334 | 2,963 | 1,401 | 303 | 12 | 0 |
| | Self-pay | 1,770† | * | 32 | 49 | 374 | 557 | 486 | 211 | 58 | * | 0 |
| | Unknown | 1,260† | 0 | 18 | 38 | 266 | 378 | 319 | 177 | 56 | * | 0 |
| | TOTAL | 32,288 | 20† | 570† | 1,600† | 8,264 | 10,176 | 7,421 | 3,380† | 810† | 50† | 0 |
| Black or African American | AHCCCS | 3,120† | * | 38 | 144 | 805 | 969 | 731 | 333 | 93 | 6 | 0 |
| | IHS | 0† | 0 | 0 | 0 | 0 | * | * | * | 0 | 0 | 0 |
| | Private insurance | 1,340† | 0 | * | 19 | 180 | 363 | 447 | 266 | 56 | * | 0 |
| | Self-pay | 160† | * | * | * | 31 | 66 | 40 | 16 | * | * | 0 |
| | Unknown | 170† | 0 | 0 | * | 38 | 41 | 49 | 27 | 6 | * | 0 |
| | TOTAL | 4,800† | 0† | 40† | 170† | 1,054 | 1,440† | 1,270† | 640† | 160† | 10† | 0 |
| American Indian or Alaska Native | AHCCCS | 2,560† | 6 | 78 | 175 | 658 | 752 | 567 | 265 | 53 | * | 0 |
| | IHS | 670† | * | 24 | 33 | 176 | 184 | 179 | 58 | 16 | 0 | 0 |
| | Private insurance | 550† | 0 | * | 11 | 91 | 147 | 160 | 112 | 22 | * | 0 |
| | Self-pay | 80† | 0 | * | 6 | 23 | 27 | 15 | 8 | * | 0 | 0 |
| | Unknown | 50† | 0 | 0 | * | 11 | 16 | 10 | 6 | 0 | 0 | 0 |
| | TOTAL | 3,910† | 10† | 110† | 227 | 959 | 1,126 | 931 | 449 | 90† | 10† | 0 |
| Asian or Pacific Islander | AHCCCS | 690† | * | * | 12 | 131 | 195 | 201 | 121 | 20 | * | 0 |
| | IHS | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 |
| | Private insurance | 2,050† | 0 | * | * | 77 | 427 | 869 | 563 | 104 | 12 | 0 |
| | Self-pay | 150† | 0 | 0 | * | 17 | 39 | 53 | 26 | 10 | 0 | 0 |
| | Unknown | 124 | 0 | 0 | 0 | 12 | 24 | 48 | 29 | 11 | 0 | 0 |
| | TOTAL | 3,020† | 0† | 10† | 20† | 237 | 685 | 1,171 | 739 | 150† | 20† | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 1B-29
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND TRIMESTER
OF PREGNANCY PRENATAL CARE BEGAN, ARIZONA, 2021**

| | TOTAL | Mother's age group | | | | | | | | | | |
|-----------------------------------------|----------------------|--------------------|-------|-------|-------|--------|--------|--------|--------|-------|----------|----|
| | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un-known | |
| All racial/ethnic groups | No care | 1,940† | * | 64 | 122 | 435 | 566 | 447 | 230 | 58 | 14 | * |
| | 1st trimester | 55,860 | 16 | 402 | 1,584 | 10,440 | 17,177 | 16,456 | 8,003 | 1,669 | 112 | * |
| | 2nd trimester | 12,841 | 14 | 234 | 602 | 3,125 | 3,779 | 3,093 | 1,567 | 386 | 41 | 0 |
| | 3rd trimester | 4,741 | 6 | 138 | 259 | 1,177 | 1,375 | 1,131 | 510 | 128 | 17 | 0 |
| | Unknown | 2,470† | * | 31 | 101 | 510 | 720 | 667 | 354 | 76 | 12 | 0 |
| | TOTAL | 77,857 | 40† | 869 | 2,668 | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 196 | 0† |
| White non-Hispanic | No care | 574 | 0 | 10 | 18 | 92 | 166 | 156 | 88 | 31 | 12 | * |
| | 1st trimester | 26,160† | * | 88 | 442 | 3,642 | 7,957 | 8,782 | 4,343 | 845 | 57 | * |
| | 2nd trimester | 4,550† | * | 33 | 129 | 960 | 1,320 | 1,300 | 643 | 139 | 20 | 0 |
| | 3rd trimester | 1,530† | * | 13 | 48 | 319 | 437 | 436 | 205 | 55 | 12 | 0 |
| | Unknown | 1,040† | * | * | 22 | 160 | 309 | 329 | 173 | 36 | 9 | 0 |
| | TOTAL | 33,851 | 10† | 147 | 659 | 5,173 | 10,189 | 11,003 | 5,452 | 1,106 | 110 | 0† |
| Hispanic or Latino | No care | 990† | * | 42 | 89 | 273 | 277 | 190 | 95 | 18 | 0 | 0 |
| | 1st trimester | 21,979 | 7 | 247 | 907 | 5,387 | 7,128 | 5,332 | 2,383 | 554 | 34 | 0 |
| | 2nd trimester | 6,036 | 8 | 153 | 382 | 1,683 | 1,809 | 1,215 | 608 | 164 | 14 | 0 |
| | 3rd trimester | 2,320† | * | 100 | 162 | 664 | 688 | 467 | 183 | 50 | * | 0 |
| | Unknown | 970† | * | 24 | 56 | 257 | 274 | 217 | 112 | 26 | * | 0 |
| | TOTAL | 32,288 | 20† | 566 | 1,596 | 8,264 | 10,176 | 7,421 | 3,381 | 812 | 50† | 0 |
| Black or African American | No care | 120† | * | * | * | 21 | 40 | 35 | 16 | * | * | 0 |
| | 1st trimester | 3,120† | 0 | 18 | 113 | 685 | 932 | 843 | 431 | 94 | * | 0 |
| | 2nd trimester | 1,010† | * | 14 | 33 | 231 | 292 | 265 | 130 | 43 | * | 0 |
| | 3rd trimester | 350† | 0 | 6 | 16 | 81 | 112 | 81 | 42 | 11 | * | 0 |
| | Unknown | 190† | 0 | * | 6 | 36 | 65 | 44 | 24 | 8 | * | 0 |
| | TOTAL | 4,800† | 0† | 40† | 170† | 1,054 | 1,441 | 1,268 | 643 | 160† | 10† | 0 |
| American Indian or Alaska Native | No care | 210† | * | 8 | 12 | 41 | 66 | 55 | 22 | * | 0 | 0 |
| | 1st trimester | 2,260† | * | 45 | 114 | 581 | 651 | 552 | 251 | 53 | * | 0 |
| | 2nd trimester | 830† | * | 34 | 56 | 198 | 243 | 182 | 92 | 26 | 0 | 0 |
| | 3rd trimester | 400† | * | 18 | 30 | 91 | 108 | 91 | 52 | 6 | * | 0 |
| | Unknown | 210† | 0 | * | 15 | 48 | 58 | 51 | 32 | * | 0 | 0 |
| | TOTAL | 3,910† | 10† | 108 | 227 | 959 | 1,126 | 931 | 449 | 90† | 10† | 0 |
| Asian or Pacific Islander | No care | 50† | 0 | 0 | 0 | 8 | 17 | 11 | 9 | * | * | 0 |
| | 1st trimester | 2,340† | * | * | 8 | 145 | 509 | 947 | 595 | 123 | 12 | 0 |
| | 2nd trimester | 410† | 0 | 0 | * | 53 | 115 | 131 | 94 | 14 | * | 0 |
| | 3rd trimester | 150† | * | * | * | 22 | 30 | 56 | 28 | 6 | * | 0 |
| | Unknown | 70† | 0 | 0 | * | 9 | 14 | 26 | 13 | * | 0 | 0 |
| | TOTAL | 3,020† | 0† | 10† | 20† | 237 | 685 | 1,171 | 739 | 150† | 20† | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 1B-30
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF PRENATAL VISITS,
ARIZONA, 2021**

| | | TOTAL | Mother's age group | | | | | | | | | |
|---------------------------------------------|--------------------|---------------|--------------------|-------------|--------------|---------------|---------------|---------------|---------------|--------------|------------|-----------|
| | | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un-known |
| All racial/ ethnic groups | No visits | 1,940† | * | 64 | 122 | 435 | 566 | 447 | 230 | 58 | 14 | * |
| | 1-4 visits | 3,702 | 7 | 85 | 220 | 934 | 1,074 | 862 | 405 | 95 | 20 | 0 |
| | 5-8 visits | 13,191 | 12 | 220 | 612 | 3,071 | 3,927 | 3,326 | 1,609 | 374 | 39 | * |
| | 9-12 visits | 34,549 | 15 | 323 | 1,050 | 6,718 | 10,568 | 10,131 | 4,739 | 940 | 65 | 0 |
| | 13+ visits | 23,680† | * | 168 | 630 | 4,388 | 7,206 | 6,819 | 3,584 | 829 | 55 | 0 |
| | Unknown | 790† | * | 9 | 34 | 141 | 276 | 209 | 97 | 21 | * | 0 |
| | TOTAL | 77,857 | 40† | 869 | 2,668 | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 196 | 0† |
| White non- Hispanic | No visits | 574 | 0 | 10 | 18 | 92 | 166 | 156 | 88 | 31 | 12 | * |
| | 1-4 visits | 1,070† | * | * | 36 | 224 | 325 | 289 | 137 | 34 | 16 | 0 |
| | 5-8 visits | 4,650† | * | 30 | 133 | 853 | 1,358 | 1,413 | 684 | 151 | 19 | * |
| | 9-12 visits | 15,950† | * | 58 | 286 | 2,331 | 4,804 | 5,415 | 2,546 | 474 | 33 | 0 |
| | 13+ visits | 11,220† | * | 41 | 178 | 1,617 | 3,389 | 3,619 | 1,946 | 405 | 27 | 0 |
| | Unknown | 390† | * | * | 8 | 56 | 147 | 111 | 51 | 11 | * | 0 |
| | TOTAL | 33,851 | 10† | 150† | 659 | 5,173 | 10,189 | 11,003 | 5,452 | 1,106 | 110 | 0† |
| Hispanic or Latino | No visits | 990† | * | 42 | 89 | 273 | 277 | 190 | 95 | 18 | 0 | 0 |
| | 1-4 visits | 1,800† | * | 60 | 137 | 532 | 515 | 349 | 156 | 41 | * | 0 |
| | 5-8 visits | 6,106 | 8 | 137 | 369 | 1,686 | 1,860 | 1,283 | 593 | 158 | 12 | 0 |
| | 9-12 visits | 13,926 | 7 | 221 | 617 | 3,475 | 4,462 | 3,337 | 1,461 | 324 | 22 | 0 |
| | 13+ visits | 9,250† | * | 102 | 366 | 2,246 | 2,986 | 2,213 | 1,054 | 267 | 15 | 0 |
| | Unknown | 230† | 0 | * | 18 | 52 | 76 | 49 | 22 | * | 0 | 0 |
| | TOTAL | 32,288 | 20† | 566 | 1,596 | 8,264 | 10,176 | 7,421 | 3,381 | 812 | 50† | 0 |
| Black or African American | No visits | 120† | * | * | * | 21 | 40 | 35 | 16 | * | * | 0 |
| | 1-4 visits | 290† | 0 | * | 18 | 66 | 96 | 66 | 29 | 12 | * | 0 |
| | 5-8 visits | 1,020† | 0 | 16 | 41 | 232 | 313 | 257 | 129 | 30 | * | 0 |
| | 9-12 visits | 1,910† | * | 10 | 60 | 444 | 558 | 519 | 266 | 51 | * | 0 |
| | 13+ visits | 1,410† | 0 | 10 | 49 | 283 | 416 | 382 | 199 | 63 | * | 0 |
| | Unknown | 40† | 0 | 0 | 0 | 8 | 18 | 9 | * | 0 | 0 | 0 |
| | TOTAL | 4,800† | 0† | 40† | 170† | 1,054 | 1,441 | 1,268 | 643 | 160† | 10† | 0 |
| American Indian or Alaska Native | No visits | 210† | * | 8 | 12 | 41 | 66 | 55 | 22 | * | 0 | 0 |
| | 1-4 visits | 450† | * | 15 | 26 | 99 | 119 | 119 | 61 | 7 | 0 | 0 |
| | 5-8 visits | 960† | * | 36 | 64 | 252 | 285 | 202 | 109 | 14 | * | 0 |
| | 9-12 visits | 1,380† | * | 32 | 84 | 368 | 413 | 318 | 129 | 31 | * | 0 |
| | 13+ visits | 800† | * | 15 | 35 | 177 | 215 | 208 | 112 | 32 | * | 0 |
| | Unknown | 110† | 0 | * | 6 | 22 | 28 | 29 | 16 | 6 | 0 | 0 |
| | TOTAL | 3,910† | 10† | 108 | 227 | 959 | 1,126 | 931 | 449 | 90† | 10† | 0 |
| Asian or Pacific Islander | No visits | 50† | 0 | 0 | 0 | 8 | 17 | 11 | 9 | * | * | 0 |
| | 1-4 visits | 100† | * | * | * | 13 | 19 | 39 | 22 | * | 0 | 0 |
| | 5-8 visits | 450† | 0 | * | * | 48 | 111 | 171 | 94 | 21 | * | 0 |
| | 9-12 visits | 1,380† | 0 | * | * | 100 | 331 | 542 | 337 | 60 | * | 0 |
| | 13+ visits | 1,010† | * | 0 | * | 65 | 200 | 397 | 273 | 62 | 9 | 0 |
| | Unknown | 30† | 0 | 0 | * | * | 7 | 11 | * | 0 | 0 | 0 |
| | TOTAL | 3,020† | 0† | 10† | 20† | 237 | 685 | 1,171 | 739 | 150† | 20† | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 1B-31
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2021**

| | TOTAL | Prenatal care | | | Visits | | | | |
|------------------------------------------------|--------|---------------|---------------|---------------|---------------|---------|-------------|-----------|---------|
| | | No care | 1st trimester | 2nd trimester | 3rd trimester | Unknown | Less than 5 | 5 or more | Unknown |
| TOTAL | 77,857 | 1,940† | 55,860 | 12,841 | 4,740† | 2,470† | 5,643 | 71,423 | 790† |
| Mother's age group | | | | | | | | | |
| <15 | 40† | * | 16 | 14 | 6 | * | 11 | 31 | * |
| 15-17 | 869 | 64 | 402 | 234 | 138 | 31 | 149 | 711 | 9 |
| 18-19 | 2,668 | 122 | 1,584 | 602 | 259 | 101 | 342 | 2,292 | 34 |
| 20-24 | 15,687 | 435 | 10,440 | 3,125 | 1,177 | 510 | 1,369 | 14,177 | 141 |
| 25-29 | 23,617 | 566 | 17,177 | 3,779 | 1,375 | 720 | 1,640 | 21,701 | 276 |
| 30-34 | 21,794 | 447 | 16,456 | 3,093 | 1,131 | 667 | 1,309 | 20,276 | 209 |
| 35-39 | 10,664 | 230 | 8,003 | 1,567 | 510 | 354 | 635 | 9,932 | 97 |
| 40-44 | 2,317 | 58 | 1,669 | 386 | 128 | 76 | 153 | 2,143 | 21 |
| 45+ | 196 | 14 | 112 | 41 | 17 | 12 | 34 | 159 | * |
| Unknown | 0† | * | * | 0 | 0 | 0 | * | * | 0 |
| Payer for birth | | | | | | | | | |
| AHCCCS | 36,163 | 1,319 | 23,390 | 7,397 | 2,757 | 1,300 | 3,705 | 32,118 | 340 |
| IHS | 761 | 46 | 394 | 172 | 86 | 63 | 171 | 547 | 43 |
| Private insurance | 33,649 | 196 | 27,538 | 3,838 | 1,224 | 853 | 938 | 32,421 | 290 |
| Self-pay | 4,325 | 323 | 2,556 | 845 | 424 | 177 | 627 | 3,623 | 75 |
| Unknown | 2,959 | 57 | 1,982 | 589 | 250 | 81 | 202 | 2,714 | 43 |
| Mother's education | | | | | | | | | |
| 8th Grade or Less | 1,823 | 143 | 861 | 525 | 213 | 81 | 324 | 1,480 | 19 |
| Some High School | 8,989 | 513 | 5,163 | 2,053 | 875 | 385 | 1,327 | 7,552 | 110 |
| High School / GED | 21,401 | 606 | 14,502 | 4,141 | 1,446 | 706 | 1,807 | 19,381 | 213 |
| Some College | 17,082 | 277 | 12,723 | 2,729 | 882 | 471 | 935 | 15,993 | 154 |
| Associate Degree | 6,805 | 109 | 5,107 | 1,038 | 357 | 194 | 370 | 6,380 | 55 |
| Bachelor's Degree | 14,288 | 115 | 11,516 | 1,632 | 652 | 373 | 470 | 13,682 | 136 |
| Postgraduate Education | 7,021 | 35 | 5,856 | 655 | 273 | 202 | 204 | 6,756 | 61 |
| Unknown | 448 | 143 | 132 | 68 | 43 | 62 | 206 | 199 | 43 |
| Marital status | | | | | | | | | |
| Married | 41,711 | 449 | 32,465 | 5,636 | 1,983 | 1,178 | 1,741 | 39,591 | 379 |
| Unmarried* | 35,169 | 1,359 | 22,924 | 6,995 | 2,657 | 1,234 | 3,667 | 31,119 | 383 |
| Unknown | 977 | 133 | 471 | 210 | 101 | 62 | 235 | 713 | 29 |
| Weight gain | | | | | | | | | |
| Inadequate | 17,332 | 659 | 11,422 | 3,086 | 1,613 | 552 | 1,952 | 15,196 | 184 |
| Adequate | 23,029 | 445 | 16,793 | 3,844 | 1,229 | 718 | 1,352 | 21,449 | 228 |
| Excessive | 36,608 | 606 | 27,337 | 5,784 | 1,796 | 1,085 | 1,997 | 34,304 | 307 |
| Unknown | 888 | 231 | 308 | 127 | 103 | 119 | 342 | 474 | 72 |
| Smoking during pregnancy | | | | | | | | | |
| Non-smoker | 74,635 | 1,573 | 54,169 | 12,161 | 4,452 | 2,280 | 4,903 | 69,058 | 674 |
| Light smoker (less than 10 cigarettes per day) | 1,468 | 154 | 785 | 340 | 136 | 53 | 339 | 1,111 | 18 |
| Heavy smoker (10 or more cigarettes per day) | 1,017 | 150 | 525 | 209 | 83 | 50 | 265 | 735 | 17 |
| Unknown | 737 | 64 | 381 | 131 | 70 | 91 | 136 | 519 | 82 |

**TABLE 1B-31 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2021**

| | TOTAL | Prenatal care | | | Visits | | | | | | | |
|-----------------------------------------------------|--------|---------------|---------------|---------------|---------------|---------|-------------|-----------|---------|--|--|--|
| | | No care | 1st trimester | 2nd trimester | 3rd trimester | Unknown | Less than 5 | 5 or more | Unknown | | | |
| Length of gestation | | | | | | | | | | | | |
| <37 weeks | 7,779 | 531 | 5,291 | 1,190 | 320 | 447 | 1,320 | 6,294 | 165 | | | |
| 37-41 weeks | 69,838 | 1,370 | 50,491 | 11,597 | 4,403 | 1,977 | 4,262 | 64,981 | 595 | | | |
| 42+ weeks | 158 | 11 | 77 | 39 | 18 | 13 | 23 | 131 | * | | | |
| Unknown | 80† | 29 | * | 15 | 0 | 37 | 38 | 17 | 27 | | | |
| Weight at birth | | | | | | | | | | | | |
| <1,000 grams | 470† | 67 | 303 | 66 | * | 35 | 208 | 253 | 11 | | | |
| 1,000-1,499 | 508 | 43 | 329 | 80 | 12 | 44 | 111 | 379 | 18 | | | |
| 1,500-2,499 | 5,160 | 254 | 3,472 | 921 | 262 | 251 | 658 | 4,414 | 88 | | | |
| 2,500-3,999 | 65,815 | 1,476 | 47,452 | 10,808 | 4,103 | 1,976 | 4,336 | 60,858 | 621 | | | |
| 4,000+ grams | 5,842 | 94 | 4,287 | 955 | 360 | 146 | 315 | 5,491 | 36 | | | |
| Unknown | 60† | 7 | 17 | 11 | * | 22 | 15 | 28 | 17 | | | |
| Newborn intensive care | | | | | | | | | | | | |
| Yes | 6,189 | 494 | 4,017 | 1,088 | 322 | 268 | 1,085 | 4,988 | 116 | | | |
| No | 71,668 | 1,447 | 51,843 | 11,753 | 4,419 | 2,206 | 4,558 | 66,435 | 675 | | | |
| Method of delivery | | | | | | | | | | | | |
| Vaginal | 53,399 | 1,412 | 38,003 | 8,946 | 3,309 | 1,729 | 3,899 | 48,925 | 575 | | | |
| C-Section | 22,319 | 469 | 16,428 | 3,481 | 1,262 | 679 | 1,570 | 20,559 | 190 | | | |
| Forceps | 299 | 7 | 206 | 54 | 23 | 9 | 19 | 279 | * | | | |
| Vacuum | 1,836 | 52 | 1,223 | 360 | 147 | 54 | 154 | 1,660 | 22 | | | |
| Unknown | 0† | * | 0 | 0 | 0 | * | * | 0 | * | | | |
| Obstetric procedures^b | | | | | | | | | | | | |
| Total | 39,990 | 692 | 28,897 | 6,858 | 2,582 | 961 | 2,394 | 37,272 | 324 | | | |
| Induction of labor | 23,935 | 250 | 17,467 | 4,116 | 1,531 | 571 | 1,107 | 22,688 | 140 | | | |
| Augmentation of labor | 22,715 | 485 | 16,189 | 3,921 | 1,539 | 581 | 1,591 | 20,912 | 212 | | | |
| Cervical cerclage | 170† | * | 120 | 33 | * | 11 | 16 | 148 | * | | | |
| Tocolysis | 359 | 14 | 244 | 61 | 26 | 14 | 51 | 299 | 9 | | | |
| External cephalic version successful | 100† | * | 64 | 20 | * | * | 6 | 87 | * | | | |
| External cephalic version failed | 130† | * | 97 | 20 | 9 | * | * | 122 | * | | | |
| Births with medical risk factors^b | | | | | | | | | | | | |
| Total | 22,606 | 628 | 16,059 | 3,795 | 1,444 | 680 | 1,894 | 20,497 | 215 | | | |
| Pre-existing diabetes | 983 | 20 | 685 | 176 | 58 | 44 | 66 | 903 | 14 | | | |
| Gestational diabetes | 7,709 | 71 | 5,730 | 1,183 | 493 | 232 | 372 | 7,279 | 58 | | | |
| Pre-existing hypertension | 1,441 | 23 | 1,075 | 230 | 65 | 48 | 84 | 1,341 | 16 | | | |
| Gestational hypertension | 7,051 | 207 | 5,060 | 1,150 | 424 | 210 | 602 | 6,379 | 70 | | | |
| Eclampsia | 130† | 7 | 91 | 16 | * | 15 | 14 | 117 | * | | | |
| Previous preterm birth | 3,548 | 162 | 2,444 | 596 | 212 | 134 | 434 | 3,062 | 52 | | | |
| Other previous poor pregnancy outcome | 4,626 | 150 | 3,341 | 778 | 280 | 77 | 396 | 4,189 | 41 | | | |
| Gonorrhea | 267 | 20 | 123 | 73 | 35 | 16 | 63 | 201 | * | | | |
| Syphilis | 299 | 42 | 129 | 71 | 39 | 18 | 91 | 198 | 10 | | | |
| Chlamydia | 1,969 | 80 | 1,120 | 500 | 213 | 56 | 286 | 1,673 | 10 | | | |
| Hepatitis B | 108 | 7 | 68 | 17 | 12 | * | 19 | 88 | * | | | |
| Hepatitis C | 204 | 35 | 91 | 41 | 21 | 16 | 69 | 130 | * | | | |

**TABLE 1B-31
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2021**

| | TOTAL | Prenatal care | | | Visits | | | | | | | |
|------------------------------------------------|--------|---------------|---------------|---------------|---------------|---------|-------------|-----------|---------|--|--|--|
| | | No care | 1st trimester | 2nd trimester | 3rd trimester | Unknown | Less than 5 | 5 or more | Unknown | | | |
| Mother's age group | | | | | | | | | | | | |
| TOTAL | 77,857 | 1,940† | 55,860 | 12,841 | 4,740† | 2,470† | 5,643 | 71,423 | 790† | | | |
| <15 | 40† | * | 16 | 14 | 6 | * | 11 | 31 | * | | | |
| 15-17 | 869 | 64 | 402 | 234 | 138 | 31 | 149 | 711 | 9 | | | |
| 18-19 | 2,668 | 122 | 1,584 | 602 | 259 | 101 | 342 | 2,292 | 34 | | | |
| 20-24 | 15,687 | 435 | 10,440 | 3,125 | 1,177 | 510 | 1,369 | 14,177 | 141 | | | |
| 25-29 | 23,617 | 566 | 17,177 | 3,779 | 1,375 | 720 | 1,640 | 21,701 | 276 | | | |
| 30-34 | 21,794 | 447 | 16,456 | 3,093 | 1,131 | 667 | 1,309 | 20,276 | 209 | | | |
| 35-39 | 10,664 | 230 | 8,003 | 1,567 | 510 | 354 | 635 | 9,932 | 97 | | | |
| 40-44 | 2,317 | 58 | 1,669 | 386 | 128 | 76 | 153 | 2,143 | 21 | | | |
| 45+ | 196 | 14 | 112 | 41 | 17 | 12 | 34 | 159 | * | | | |
| Unknown | 0† | * | * | 0 | 0 | 0 | * | * | 0 | | | |
| Payer for birth | | | | | | | | | | | | |
| AHCCCS | 36,163 | 1,319 | 23,390 | 7,397 | 2,757 | 1,300 | 3,705 | 32,118 | 340 | | | |
| IHS | 761 | 46 | 394 | 172 | 86 | 63 | 171 | 547 | 43 | | | |
| Private insurance | 33,649 | 196 | 27,538 | 3,838 | 1,224 | 853 | 938 | 32,421 | 290 | | | |
| Self-pay | 4,325 | 323 | 2,556 | 845 | 424 | 177 | 627 | 3,623 | 75 | | | |
| Unknown | 2,959 | 57 | 1,982 | 589 | 250 | 81 | 202 | 2,714 | 43 | | | |
| Mother's education | | | | | | | | | | | | |
| 8th Grade or Less | 1,823 | 143 | 861 | 525 | 213 | 81 | 324 | 1,480 | 19 | | | |
| Some High School | 8,989 | 513 | 5,163 | 2,053 | 875 | 385 | 1,327 | 7,552 | 110 | | | |
| High School / GED | 21,401 | 606 | 14,502 | 4,141 | 1,446 | 706 | 1,807 | 19,381 | 213 | | | |
| Some College | 17,082 | 277 | 12,723 | 2,729 | 882 | 471 | 935 | 15,993 | 154 | | | |
| Associate Degree | 6,805 | 109 | 5,107 | 1,038 | 357 | 194 | 370 | 6,380 | 55 | | | |
| Bachelor's Degree | 14,288 | 115 | 11,516 | 1,632 | 652 | 373 | 470 | 13,682 | 136 | | | |
| Postgraduate Education | 7,021 | 35 | 5,856 | 655 | 273 | 202 | 204 | 6,756 | 61 | | | |
| Unknown | 448 | 143 | 132 | 68 | 43 | 62 | 206 | 199 | 43 | | | |
| Marital status | | | | | | | | | | | | |
| Married | 41,711 | 449 | 32,465 | 5,636 | 1,983 | 1,178 | 1,741 | 39,591 | 379 | | | |
| Unmarried* | 35,169 | 1,359 | 22,924 | 6,995 | 2,657 | 1,234 | 3,667 | 31,119 | 383 | | | |
| Unknown | 977 | 133 | 471 | 210 | 101 | 62 | 235 | 713 | 29 | | | |
| Weight gain | | | | | | | | | | | | |
| Inadequate | 17,332 | 659 | 11,422 | 3,086 | 1,613 | 552 | 1,952 | 15,196 | 184 | | | |
| Adequate | 23,029 | 445 | 16,793 | 3,844 | 1,229 | 718 | 1,352 | 21,449 | 228 | | | |
| Excessive | 36,608 | 606 | 27,337 | 5,784 | 1,796 | 1,085 | 1,997 | 34,304 | 307 | | | |
| Unknown | 888 | 231 | 308 | 127 | 103 | 119 | 342 | 474 | 72 | | | |
| Smoking during pregnancy | | | | | | | | | | | | |
| Non-smoker | 74,635 | 1,573 | 54,169 | 12,161 | 4,452 | 2,280 | 4,903 | 69,058 | 674 | | | |
| Light smoker (less than 10 cigarettes per day) | 1,468 | 154 | 785 | 340 | 136 | 53 | 339 | 1,111 | 18 | | | |
| Heavy smoker (10 or more cigarettes per day) | 1,017 | 150 | 525 | 209 | 83 | 50 | 265 | 735 | 17 | | | |
| Unknown | 737 | 64 | 381 | 131 | 70 | 91 | 136 | 519 | 82 | | | |

**TABLE 1B-32
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2021**

| | TOTAL | Weight at birth | | | Length of gestation | | | |
|------------------------------------------------|--------|-----------------|--------------|---------|---------------------|-------------|-----------|---------|
| | | <2,500 grams | 2,500+ grams | Unknown | <37 weeks | 37-41 weeks | 42+ weeks | Unknown |
| TOTAL | 77,857 | 6,140 | 71,657 | 60† | 7,779 | 69,838 | 160† | 80† |
| Mother's age group | | | | | | | | |
| <15 | 43 | 6 | 37 | 0 | 7 | 36 | 0 | 0 |
| 15-17 | 870† | 74 | 794 | * | 78 | 789 | * | * |
| 18-19 | 2,670† | 246 | 2,422 | 0 | 270 | 2,391 | * | * |
| 20-24 | 15,687 | 1,115 | 14,569 | * | 1,346 | 14,302 | 26 | 13 |
| 25-29 | 23,617 | 1,676 | 21,929 | 12 | 2,114 | 21,419 | 54 | 30 |
| 30-34 | 21,794 | 1,705 | 20,063 | 26 | 2,197 | 19,527 | 49 | 21 |
| 35-39 | 10,664 | 1,023 | 9,627 | 14 | 1,369 | 9,267 | 21 | 7 |
| 40-44 | 2,320† | 260 | 2,053 | * | 357 | 1,952 | * | * |
| 45+ | 196 | 35 | 161 | 0 | 41 | 153 | 0 | * |
| Unknown | 0† | 0 | * | 0 | 0 | * | 0 | 0 |
| Payer for birth | | | | | | | | |
| AHCCCS | 36,163 | 3,188 | 32,958 | 17 | 3,973 | 32,104 | 52 | 34 |
| IHS | 760† | 56 | 705 | 0 | 87 | 671 | * | * |
| Private insurance | 33,649 | 2,423 | 31,217 | 9 | 3,103 | 30,467 | 67 | 12 |
| Self-pay | 4,325 | 246 | 4,049 | 30 | 313 | 3,963 | 28 | 21 |
| Unknown | 2,959 | 227 | 2,728 | * | 303 | 2,633 | 10 | 13 |
| Mother's education | | | | | | | | |
| 8th Grade or Less | 1,820† | 160 | 1,662 | * | 235 | 1,580 | * | * |
| Some High School | 8,989 | 867 | 8,114 | 8 | 1,055 | 7,907 | 15 | 12 |
| High School / GED | 21,401 | 1,760 | 19,631 | 10 | 2,220 | 19,123 | 37 | 21 |
| Some College | 17,082 | 1,354 | 15,715 | 13 | 1,717 | 15,321 | 28 | 16 |
| Associate Degree | 6,805 | 496 | 6,305 | * | 672 | 6,112 | 17 | * |
| Bachelor's Degree | 14,288 | 893 | 13,382 | 13 | 1,161 | 13,084 | 38 | * |
| Postgraduate Education | 7,021 | 508 | 6,506 | 7 | 607 | 6,392 | 18 | * |
| Unknown | 450† | 102 | 342 | * | 112 | 319 | * | 16 |
| Marital status | | | | | | | | |
| Married | 41,711 | 2,868 | 38,807 | 36 | 3,826 | 37,750 | 104 | 31 |
| Unmarried* | 35,169 | 3,137 | 32,013 | 19 | 3,779 | 31,298 | 51 | 41 |
| Unknown | 980† | 135 | 837 | * | 174 | 790 | * | 10 |
| Weight gain | | | | | | | | |
| Inadequate | 17,332 | 2,088 | 15,230 | 14 | 2,325 | 14,952 | 29 | 26 |
| Adequate | 23,029 | 1,702 | 21,307 | 20 | 2,164 | 20,811 | 39 | 15 |
| Excessive | 36,608 | 2,207 | 34,384 | 17 | 3,120 | 33,381 | 88 | 19 |
| Unknown | 890† | 143 | 736 | 9 | 170 | 694 | * | 22 |
| Smoking during pregnancy | | | | | | | | |
| Non-smoker | 74,635 | 5,615 | 68,971 | 49 | 7,184 | 67,243 | 150 | 58 |
| Light smoker (less than 10 cigarettes per day) | 1,470† | 221 | 1,243 | * | 257 | 1,203 | * | 6 |
| Heavy smoker (10 or more cigarettes per day) | 1,020† | 185 | 829 | * | 188 | 822 | * | 6 |
| Unknown | 740† | 119 | 614 | * | 150 | 570 | * | 12 |

TABLE 1B-32 (continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2021

| | TOTAL | Weight at birth | | | Length of gestation | | | |
|-----------------------------------------------------|--------|-----------------|--------------|---------|---------------------|-------------|-----------|---------|
| | | <2,500 grams | 2,500+ grams | Unknown | <37 weeks | 37-41 weeks | 42+ weeks | Unknown |
| Prenatal care | | | | | | | | |
| No care | 1,941 | 364 | 1,570 | 7 | 531 | 1,370 | 11 | 29 |
| 1st trimester | 55,860 | 4,104 | 51,739 | 17 | 5,291 | 50,491 | 77 | * |
| 2nd trimester | 12,841 | 1,067 | 11,763 | 11 | 1,190 | 11,597 | 39 | 15 |
| 3rd trimester | 4,741 | 275 | 4,463 | * | 320 | 4,403 | 18 | 0 |
| Unknown | 2,474 | 330 | 2,122 | 22 | 447 | 1,977 | 13 | 37 |
| Prenatal visits | | | | | | | | |
| No visits | 1,941 | 364 | 1,570 | 7 | 531 | 1,370 | 11 | 29 |
| 1-4 visits | 3,702 | 613 | 3,081 | 8 | 789 | 2,892 | 12 | 9 |
| 5-8 visits | 13,191 | 1,762 | 11,421 | 8 | 2,221 | 10,937 | 27 | 6 |
| 9-12 visits | 34,549 | 2,067 | 32,471 | 11 | 2,683 | 31,824 | 36 | 6 |
| 13+ visits | 23,683 | 1,217 | 22,457 | 9 | 1,390 | 22,220 | 68 | * |
| Unknown | 790† | 117 | 657 | 17 | 165 | 595 | * | 27 |
| Newborn intensive care | | | | | | | | |
| Yes | 6,189 | 2,881 | 3,300 | 8 | 3,512 | 2,648 | 15 | 14 |
| No | 71,668 | 3,259 | 68,357 | 52 | 4,267 | 67,190 | 143 | 68 |
| Method of delivery | | | | | | | | |
| Vaginal | 53,399 | 2,873 | 50,470 | 56 | 3,754 | 49,474 | 107 | 64 |
| C-Section | 22,319 | 3,179 | 19,137 | * | 3,915 | 18,351 | 41 | 12 |
| Forceps | 300† | 15 | 284 | 0 | 22 | 276 | * | 0 |
| Vacuum | 1,836 | 72 | 1,764 | 0 | 87 | 1,737 | 9 | * |
| Unknown | 0† | * | * | * | * | 0 | 0 | * |
| Obstetric procedures^b | | | | | | | | |
| Total | 39,990 | 2,272 | 37,716 | 2 | 2,700 | 37,196 | 83 | 11 |
| Induction of labor | 23,935 | 1,516 | 22,417 | * | 1,476 | 22,398 | 56 | * |
| Augmentation of labor | 22,715 | 1,028 | 21,687 | 0 | 1,477 | 21,183 | 47 | 8 |
| Cervical cerclage | 168 | 68 | 100 | 0 | 82 | 86 | 0 | 0 |
| Tocolysis | 360† | 133 | 226 | 0 | 166 | 192 | * | 0 |
| External cephalic version successful | 100† | 6 | 89 | 0 | 7 | 87 | * | 0 |
| External cephalic version failed | 129 | 9 | 120 | 0 | 9 | 120 | 0 | 0 |
| Total | 22,606 | 2,895 | 19,704 | 7 | 3,885 | 18,691 | 20 | 10 |
| Births with medical risk factors^b | | | | | | | | |
| Pre-existing diabetes | 983 | 140 | 843 | 0 | 296 | 687 | 0 | 0 |
| Gestational diabetes | 7,710† | 658 | 7,049 | * | 1,042 | 6,665 | * | 0 |
| Pre-existing hypertension | 1,440† | 273 | 1,168 | 0 | 356 | 1,083 | * | * |
| Gestational hypertension | 7,051 | 1,264 | 5,786 | * | 1,576 | 5,464 | 8 | * |
| Eclampsia | 130† | 43 | 89 | 0 | 56 | 75 | * | 0 |
| Previous preterm birth | 3,550† | 760 | 2,786 | * | 1,175 | 2,371 | * | * |
| Other previous poor pregnancy outcome | 4,630† | 591 | 4,033 | * | 668 | 3,953 | * | 0 |
| Gonorrhea | 270† | 34 | 233 | 0 | 38 | 226 | * | * |
| Syphilis | 300† | 40 | 259 | 0 | 47 | 251 | * | 0 |
| Chlamydia | 1,970† | 157 | 1,811 | * | 195 | 1,771 | * | * |
| Hepatitis B | 108 | 14 | 94 | 0 | 14 | 92 | 0 | * |
| Hepatitis C | 200† | 34 | 170 | 0 | 39 | 162 | * | * |

TABLE 1B-32 (continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2021

| | TOTAL | Weight at birth | | | Length of gestation | | | |
|--------------------------------------------------------------------|--------|-----------------|--------------|---------|---------------------|-------------|-----------|---------|
| | | <2,500 grams | 2,500+ grams | Unknown | <37 weeks | 37-41 weeks | 42+ weeks | Unknown |
| Births with complications of labor and delivery^b | | | | | | | | |
| Total | 24,254 | 2,785 | 21,458 | 11 | 3,411 | 20,737 | 77 | 29 |
| Premature rupture of the membranes | 3,992 | 756 | 3,233 | * | 1,067 | 2,907 | 14 | * |
| Prolonged labor | 5,161 | 417 | 4,736 | 8 | 502 | 4,635 | 9 | 15 |
| Breech presentation | 2,113 | 148 | 1,965 | 0 | 219 | 1,874 | 19 | * |
| Chorioamnionitis | 3,148 | 950 | 2,198 | 0 | 1,085 | 2,055 | 6 | * |
| Meconium staining of the amniotic fluid | 1,640† | 123 | 1,512 | 0 | 148 | 1,482 | * | * |
| Fetal intolerance | 5,532 | 259 | 5,273 | 0 | 308 | 5,181 | 38 | * |
| Maternal transfusion | 7,335 | 834 | 6,500 | * | 888 | 6,422 | 21 | * |
| Third or fourth degree perineal laceration | 530† | 112 | 415 | 0 | 150 | 374 | * | * |
| Ruptured uterus | 376 | 0 | 376 | 0 | 6 | 370 | 0 | 0 |
| Unplanned Hysterectomy | 40† | * | 39 | 0 | 9 | 35 | 0 | 0 |
| Admission to intensive care unit | 42 | 10 | 32 | 0 | 21 | 21 | 0 | 0 |
| Unplanned surgery following delivery | 179 | 76 | 102 | * | 101 | 77 | 0 | * |
| Total | 227 | 42 | 185 | 0 | 57 | 170 | 0 | 0 |
| Abnormal conditions of the newborn^b | | | | | | | | |
| Total | 3,998 | 1,599 | 2,395 | 4 | 1,988 | 1,994 | 11 | 5 |
| Assisted ventilation immediately after delivery | 3,137 | 1,287 | 1,846 | * | 1,574 | 1,550 | 9 | * |
| Assisted ventilation for more than 6 hours | 2,078 | 1,108 | 967 | * | 1,332 | 738 | 7 | * |
| Surfactant replacement therapy | 411 | 327 | 83 | * | 365 | 46 | 0 | 0 |
| Suspected neonatal sepsis | 1,680† | 827 | 849 | * | 1,023 | 647 | * | * |
| Seizure or serious neurologic dysfunction | 31 | 9 | 22 | 0 | 10 | 21 | 0 | 0 |
| Significant birth injury | 88 | 6 | 81 | * | 11 | 77 | 0 | 0 |
| Total | 355 | 82 | 269 | 4 | 100 | 250 | 0 | 5 |
| Congenital anomalies of the newborn^b | | | | | | | | |
| Total | 0† | * | 0 | 0 | * | 0 | 0 | 0 |
| Anencephalus | 20 | 6 | 14 | 0 | 8 | 12 | 0 | 0 |
| Spina bifida / Meningocele | 72 | 14 | 58 | 0 | 20 | 52 | 0 | 0 |
| Cyanotic congenital heart disease | 10† | * | 8 | 0 | * | 8 | 0 | 0 |
| Congenital diaphragmatic hernia | 28 | 14 | 14 | 0 | 15 | 13 | 0 | 0 |
| Omphalocele / Gastroschisis | 10† | * | 9 | 0 | * | 8 | 0 | * |
| Limb reduction defect | 57 | 7 | 50 | 0 | 9 | 48 | 0 | 0 |
| Cleft lip / palate | 59 | 12 | 45 | * | 16 | 42 | 0 | * |
| Down syndrome | 45 | 17 | 28 | 0 | 15 | 30 | 0 | 0 |
| Suspected chromosomal disorder | 30† | * | 21 | 0 | * | 21 | 0 | 0 |
| Hypospadias | 58 | 16 | 40 | * | 24 | 31 | 0 | * |
| Unknown congenital anomalies | | | | | | | | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^b Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

**TABLE 1B-33
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2021**

| | TOTAL | Mother's age group | | | | | | | | | | Un- known |
|------------------------------------------------|---------|--------------------|-------|-------|--------|--------|--------|--------|-------|-----|---|--------------|
| | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | | |
| TOTAL | 77,857 | 43 | 869 | 2,668 | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 196 | 2 | |
| Mother's race/ethnicity | | | | | | | | | | | | |
| White non-Hispanic | 33,851 | 10 | 147 | 659 | 5,173 | 10,189 | 11,003 | 5,452 | 1,106 | 110 | * | |
| Hispanic or Latino | 32,288 | 21 | 566 | 1,596 | 8,264 | 10,176 | 7,421 | 3,381 | 812 | 51 | 0 | |
| Black or African American | 4,800† | * | 43 | 171 | 1,054 | 1,441 | 1,268 | 643 | 159 | 13 | 0 | |
| American Indian or Alaska Native | 3,910† | 7 | 108 | 227 | 959 | 1,126 | 931 | 449 | 94 | * | 0 | |
| Asian or Pacific Islander | 3,020† | * | * | 15 | 237 | 685 | 1,171 | 739 | 146 | 17 | 0 | |
| Payer for birth | | | | | | | | | | | | |
| AHCCCS | 36,163 | 36 | 708 | 2,203 | 10,278 | 11,083 | 7,516 | 3,408 | 832 | 98 | * | |
| IHS | 760† | * | 29 | 39 | 189 | 215 | 200 | 65 | 22 | * | 0 | |
| Private insurance | 33,650† | * | 70 | 281 | 3,915 | 10,066 | 11,884 | 6,155 | 1,198 | 77 | 0 | |
| Self-pay | 4,330† | * | 40 | 85 | 728 | 1,344 | 1,344 | 618 | 151 | 11 | * | |
| Unknown | 2,960† | 0 | 22 | 60 | 577 | 909 | 850 | 418 | 114 | 9 | 0 | |
| Mother's education | | | | | | | | | | | | |
| 8th Grade or Less | 1,823 | 25 | 77 | 74 | 323 | 414 | 417 | 339 | 141 | 13 | 0 | |
| Some High School | 8,989 | 17 | 733 | 1,136 | 2,755 | 2,032 | 1,435 | 694 | 176 | 11 | 0 | |
| High School / GED | 21,400† | 0 | 51 | 1,201 | 6,909 | 6,932 | 4,120 | 1,767 | 400 | 21 | 0 | |
| Some College | 17,080† | 0 | * | 223 | 3,895 | 6,082 | 4,519 | 1,926 | 403 | 29 | 0 | |
| Associate Degree | 6,810† | 0 | * | 20 | 885 | 2,352 | 2,264 | 1,043 | 226 | 13 | 0 | |
| Bachelor's Degree | 14,290† | 0 | 0 | 0 | 800 | 4,434 | 5,748 | 2,764 | 511 | 31 | 0 | |
| Postgraduate Education | 7,020† | 0 | 0 | * | 66 | 1,273 | 3,171 | 2,038 | 435 | 37 | 0 | |
| Unknown | 450† | * | * | 13 | 54 | 98 | 120 | 93 | 25 | 41 | * | |
| Marital status | | | | | | | | | | | | |
| Married | 41,710† | 0 | 13 | 241 | 4,555 | 12,946 | 14,808 | 7,507 | 1,531 | 109 | * | |
| Unmarried ^a | 35,169 | 43 | 855 | 2,421 | 11,011 | 10,439 | 6,682 | 2,960 | 714 | 44 | 0 | |
| Unknown | 980† | 0 | * | 6 | 121 | 232 | 304 | 197 | 72 | 43 | * | |
| Weight gain | | | | | | | | | | | | |
| Inadequate | 17,332 | 15 | 254 | 667 | 3,498 | 5,361 | 4,643 | 2,328 | 504 | 62 | 0 | |
| Adequate | 23,029 | 11 | 229 | 664 | 4,303 | 6,902 | 6,755 | 3,338 | 769 | 58 | 0 | |
| Excessive | 36,608 | 16 | 366 | 1,295 | 7,716 | 11,081 | 10,167 | 4,887 | 1,012 | 67 | * | |
| Unknown | 890† | * | 20 | 42 | 170 | 273 | 229 | 111 | 32 | 9 | * | |
| Smoking during pregnancy | | | | | | | | | | | | |
| Non-smoker | 74,635 | 42 | 841 | 2,588 | 15,069 | 22,656 | 20,859 | 10,203 | 2,203 | 172 | * | |
| Light smoker (less than 10 cigarettes per day) | 1,470† | * | 11 | 42 | 294 | 456 | 428 | 185 | 37 | 14 | 0 | |
| Heavy smoker (10 or more cigarettes per day) | 1,020† | 0 | * | 17 | 154 | 320 | 303 | 164 | 47 | 7 | 0 | |
| Unknown | 740† | 0 | 12 | 21 | 170 | 185 | 204 | 112 | 30 | * | 0 | |
| Length of gestation | | | | | | | | | | | | |
| <37 weeks | 7,779 | 7 | 78 | 270 | 1,346 | 2,114 | 2,197 | 1,369 | 357 | 41 | 0 | |
| 37-41 weeks | 69,838 | 36 | 789 | 2,391 | 14,302 | 21,419 | 19,527 | 9,267 | 1,952 | 153 | * | |
| 42+ weeks | 160† | 0 | * | * | 26 | 54 | 49 | 21 | * | 0 | 0 | |
| Unknown | 80† | 0 | * | * | 13 | 30 | 21 | 7 | * | 0 | 0 | |
| Weight at birth | | | | | | | | | | | | |
| <1,000 grams | 470† | * | * | 25 | 76 | 111 | 148 | 85 | 17 | * | 0 | |
| 1,000-1,499 | 510† | 0 | 8 | 23 | 91 | 138 | 147 | 82 | 17 | * | 0 | |
| 1,500-2,499 | 5,160† | * | 62 | 198 | 948 | 1,427 | 1,410 | 856 | 226 | 30 | 0 | |
| 2,500-3,999 | 65,815 | 35 | 772 | 2,321 | 13,651 | 20,061 | 18,148 | 8,794 | 1,879 | 152 | * | |
| 4,000+ grams | 5,840† | * | 22 | 101 | 918 | 1,868 | 1,915 | 833 | 174 | 9 | 0 | |
| Unknown | 60† | 0 | * | 0 | * | 12 | 26 | 14 | * | 0 | 0 | |

**TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2021**

| | TOTAL | Mother's age group | | | | | | | | | | Un- known | | |
|-----------------------------------------------------|---------|--------------------|-------|-------|--------|--------|--------|-------|-------|-----|---|--------------|--|--|
| | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | | | | |
| Prenatal care | | | | | | | | | | | | | | |
| No care | 1,940† | * | 64 | 122 | 435 | 566 | 447 | 230 | 58 | 14 | * | | | |
| 1st trimester | 55,860 | 16 | 402 | 1,584 | 10,440 | 17,177 | 16,456 | 8,003 | 1,669 | 112 | * | | | |
| 2nd trimester | 12,841 | 14 | 234 | 602 | 3,125 | 3,779 | 3,093 | 1,567 | 386 | 41 | 0 | | | |
| 3rd trimester | 4,741 | 6 | 138 | 259 | 1,177 | 1,375 | 1,131 | 510 | 128 | 17 | 0 | | | |
| Unknown | 2,470† | * | 31 | 101 | 510 | 720 | 667 | 354 | 76 | 12 | 0 | | | |
| Prenatal visits | | | | | | | | | | | | | | |
| No visits | 1,940† | * | 64 | 122 | 435 | 566 | 447 | 230 | 58 | 14 | * | | | |
| 1-4 visits | 3,702 | 7 | 85 | 220 | 934 | 1,074 | 862 | 405 | 95 | 20 | 0 | | | |
| 5-8 visits | 13,191 | 12 | 220 | 612 | 3,071 | 3,927 | 3,326 | 1,609 | 374 | 39 | * | | | |
| 9-12 visits | 34,549 | 15 | 323 | 1,050 | 6,718 | 10,568 | 10,131 | 4,739 | 940 | 65 | 0 | | | |
| 13+ visits | 23,680† | * | 168 | 630 | 4,388 | 7,206 | 6,819 | 3,584 | 829 | 55 | 0 | | | |
| Unknown | 790† | * | 9 | 34 | 141 | 276 | 209 | 97 | 21 | * | 0 | | | |
| Newborn intensive care | | | | | | | | | | | | | | |
| Yes | 6,190† | * | 75 | 204 | 1,142 | 1,722 | 1,736 | 1,013 | 257 | 36 | 0 | | | |
| No | 71,668 | 39 | 794 | 2,464 | 14,545 | 21,895 | 20,058 | 9,651 | 2,060 | 160 | * | | | |
| Method of delivery | | | | | | | | | | | | | | |
| Vaginal | 53,399 | 36 | 714 | 2,126 | 11,758 | 16,659 | 14,331 | 6,427 | 1,259 | 88 | * | | | |
| C-Section | 22,320† | * | 103 | 434 | 3,458 | 6,314 | 6,895 | 4,012 | 1,001 | 98 | * | | | |
| Forceps | 300† | 0 | * | 8 | 47 | 92 | 95 | 44 | 7 | * | 0 | | | |
| Vacuum | 1,840† | * | 47 | 100 | 423 | 551 | 472 | 180 | 50 | 9 | 0 | | | |
| Unknown | 0† | 0 | 0 | 0 | * | * | * | * | 0 | 0 | 0 | | | |
| Obstetric procedures^b | | | | | | | | | | | | | | |
| Total | 39,990 | 20 | 532 | 1,633 | 9,150 | 12,284 | 10,316 | 4,879 | 1,105 | 70 | 1 | | | |
| Induction of labor | 23,935 | 6 | 288 | 908 | 5,223 | 7,067 | 6,211 | 3,377 | 799 | 55 | * | | | |
| Augmentation of labor | 22,715 | 18 | 357 | 977 | 5,477 | 7,098 | 5,757 | 2,458 | 547 | 25 | * | | | |
| Cervical cerclage | 170† | 0 | * | * | 20 | 35 | 63 | 36 | 6 | * | 0 | | | |
| Tocolysis | 360† | * | * | 16 | 75 | 112 | 96 | 36 | 17 | * | 0 | | | |
| External cephalic version successful | 100† | 0 | 0 | * | 13 | 25 | 27 | 22 | 7 | 0 | 0 | | | |
| External cephalic version failed | 130† | 0 | * | * | 24 | 39 | 37 | 22 | * | 0 | 0 | | | |
| Births with medical risk factors^b | | | | | | | | | | | | | | |
| Total | 22,606 | 6 | 203 | 646 | 4,041 | 6,287 | 6,571 | 3,774 | 990 | 88 | 0 | | | |
| Pre-existing diabetes | 980† | 0 | * | 13 | 107 | 250 | 331 | 200 | 72 | * | 0 | | | |
| Gestational diabetes | 7,710† | * | 28 | 88 | 899 | 2,028 | 2,542 | 1,633 | 454 | 35 | 0 | | | |
| Pre-existing hypertension | 1,440† | 0 | * | 13 | 189 | 320 | 435 | 366 | 100 | 17 | 0 | | | |
| Gestational hypertension | 7,050† | * | 88 | 235 | 1,433 | 2,018 | 1,942 | 1,043 | 265 | 24 | 0 | | | |
| Eclampsia | 130† | 0 | 6 | * | 31 | 41 | 21 | 26 | * | 0 | 0 | | | |
| Previous preterm birth | 3,550† | 0 | * | 40 | 449 | 1,019 | 1,136 | 710 | 171 | 21 | 0 | | | |
| Other previous poor pregnancy outcome | 4,630† | 0 | 10 | 73 | 712 | 1,281 | 1,483 | 830 | 222 | 15 | 0 | | | |
| Gonorrhea | 270† | * | 16 | 32 | 77 | 76 | 41 | 19 | * | 0 | 0 | | | |
| Syphilis | 300† | 0 | 9 | 18 | 81 | 74 | 76 | 31 | 8 | * | 0 | | | |
| Chlamydia | 1,970† | * | 83 | 257 | 843 | 483 | 201 | 80 | 15 | * | 0 | | | |
| Hepatitis B | 110† | 0 | * | * | 12 | 28 | 35 | 19 | 8 | * | 0 | | | |
| Hepatitis C | 200† | 0 | * | * | 25 | 66 | 64 | 34 | 8 | * | 0 | | | |

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2021

| | TOTAL | Mother's age group | | | | | | | | | | Un- known | | |
|--------------------------------------------------------------------|--------|--------------------|-------|-------|-------|-------|-------|-------|-------|-----|---|--------------|--|--|
| | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | | | | |
| Births with complications of labor and delivery^b | | | | | | | | | | | | | | |
| Total | 24,254 | 15 | 290 | 905 | 5,056 | 7,204 | 6,733 | 3,230 | 745 | 76 | 0 | | | |
| Premature rupture of the membranes | 3,990† | * | 71 | 180 | 922 | 1,186 | 1,017 | 498 | 108 | 7 | 0 | | | |
| Precipitous labor | 5,160† | * | 37 | 126 | 818 | 1,486 | 1,697 | 816 | 163 | 16 | 0 | | | |
| Prolonged labor | 2,110† | * | 29 | 94 | 501 | 675 | 517 | 231 | 61 | * | 0 | | | |
| Breech presentation | 3,150† | 0 | 18 | 77 | 483 | 870 | 952 | 586 | 140 | 22 | 0 | | | |
| Chorioamnionitis | 1,640† | * | 43 | 92 | 465 | 503 | 365 | 130 | 34 | 0 | 0 | | | |
| Meconium staining of the amniotic fluid | 5,530† | * | 86 | 251 | 1,274 | 1,678 | 1,512 | 585 | 128 | 17 | 0 | | | |
| Fetal intolerance | 7,335 | 6 | 94 | 300 | 1,710 | 2,212 | 1,856 | 907 | 231 | 19 | 0 | | | |
| Maternal transfusion | 530† | 0 | 9 | 18 | 102 | 144 | 152 | 76 | 23 | * | 0 | | | |
| Third or fourth degree perineal laceration | 380† | * | * | 15 | 79 | 132 | 99 | 40 | 6 | 0 | 0 | | | |
| Ruptured uterus | 40† | 0 | 0 | * | * | 13 | 13 | 7 | * | 0 | 0 | | | |
| Unplanned Hysterectomy | 40† | 0 | 0 | 0 | * | 9 | 18 | 11 | * | 0 | 0 | | | |
| Admission to intensive care unit | 180† | 0 | * | 6 | 29 | 49 | 55 | 28 | 11 | 0 | 0 | | | |
| Unplanned surgery following delivery | 230† | 0 | * | 9 | 36 | 56 | 77 | 31 | 13 | * | 0 | | | |
| Abnormal conditions of the newborn^b | | | | | | | | | | | | | | |
| Total | 4,000† | 3 | 52 | 132 | 783 | 1,111 | 1,143 | 609 | 149 | 16 | 0 | | | |
| Assisted ventilation immediately after delivery | 3,140† | * | 36 | 100 | 602 | 870 | 908 | 496 | 111 | 12 | 0 | | | |
| Assisted ventilation for more than 6 hours | 2,080† | * | 24 | 66 | 383 | 591 | 604 | 319 | 83 | 6 | 0 | | | |
| Surfactant replacement therapy | 410† | * | * | 22 | 81 | 105 | 121 | 67 | 9 | * | 0 | | | |
| Suspected neonatal sepsis | 1,680† | * | 26 | 66 | 358 | 454 | 472 | 242 | 51 | 6 | 0 | | | |
| Seizure or serious neurologic dysfunction | 30† | 0 | * | * | 6 | * | 10 | * | * | 0 | 0 | | | |
| Significant birth injury | 90† | 0 | * | * | 14 | 29 | 21 | 14 | * | 0 | 0 | | | |
| Congenital anomalies of the newborn^b | | | | | | | | | | | | | | |
| Total | 360† | 1 | 8 | 16 | 68 | 95 | 76 | 67 | 23 | 1 | 0 | | | |
| Anencephalus | 0† | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | 0 | | | |
| Spina bifida / Meningocele | 20† | 0 | 0 | * | * | 6 | 6 | * | 0 | 0 | 0 | | | |
| Cyanotic congenital heart disease | 70† | 0 | * | * | 12 | 16 | 21 | 15 | * | 0 | 0 | | | |
| Congenital diaphragmatic hernia | 10† | 0 | 0 | 0 | * | * | 0 | * | 0 | 0 | 0 | | | |
| Omphalocele / Gastroschisis | 30† | 0 | * | * | 9 | 6 | 7 | 0 | 0 | 0 | 0 | | | |
| Limb reduction defect | 10† | 0 | 0 | * | * | * | * | * | * | 0 | 0 | | | |
| Cleft lip / palate | 60† | * | * | * | 13 | 17 | 14 | 7 | * | 0 | 0 | | | |
| Down syndrome | 60† | 0 | * | * | * | 10 | 13 | 23 | 8 | 0 | 0 | | | |
| Suspected chromosomal disorder | 50† | 0 | * | * | 7 | 11 | * | 13 | 6 | 0 | 0 | | | |
| Hypospadias | 30† | 0 | 0 | 0 | 7 | 9 | * | * | * | 0 | 0 | | | |
| Unknown congenital anomalies | | | | | | | | | | | | | | |
| Total | 60† | 0 | * | * | 14 | 19 | 11 | 9 | 0 | * | 0 | | | |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Beginning with data year 2015, the coding of marital status has changed as such unmarried category includes divorced; ^b Total birth where an obstetric procedure; medical risk factor; complication of labor and delivery; abnormal condition of the newborn; or a congenital anomaly of the newborn was identified.

**TABLE 1B-34
BIRTHS WITH CONGENITAL ANOMALIES MENTIONED ON BIRTH CERTIFICATE BY MOTHER'S RACE/ETHNICITY AND
CHILD'S GENDER, ARIZONA, 2021**

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|------------------------------------------|------------|------------|------------|--------------------|------------|------------|--------------------|------------|------------|---------------------------|------------|------------|----------------------------------|------------|------------|---------------------------|------------|--------|
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| Total | 355 | 205 | 150 | 154 | 89 | 65 | 152 | 85 | 67 | 19 | 14 | 5 | 22 | 11 | 11 | 8 | 6 | 2 |
| Anencephalus | 0† | * | * | 0† | * | 0 | 0† | 0 | * | 0† | 0 | * | 0 | 0 | 0 | 0† | 0 | * |
| Spina bifida / Meningocele | 20 | 10 | 10 | 10† | * | * | 10† | 6 | * | 0† | * | 0 | 0† | 0 | * | 0 | 0 | 0 |
| Cyanotic congenital heart disease | 72 | 45 | 27 | 27 | 16 | 11 | 30 | 19 | 11 | 6 | 6 | 0 | 10† | * | * | 0† | * | * |
| Congenital diaphragmatic hernia | 10† | * | * | 0† | * | * | 10† | * | * | 0† | * | 0 | 0 | 0 | 0 | 0† | * | 0 |
| Omphalocele / Gastroschisis | 28 | 14 | 14 | 10† | 6 | * | 10† | * | 9 | 0† | * | * | 0† | * | 0 | 0 | 0 | 0 |
| Limb reduction defect | 10† | * | 8 | 10† | * | * | 0† | * | * | 0† | * | 0 | 0† | * | * | 0 | 0 | 0 |
| Cleft lip / palate | 57 | 32 | 25 | 25 | 13 | 12 | 23 | 13 | 10 | 0† | * | 0 | 10† | * | * | 0† | * | 0 |
| Down syndrome | 59 | 33 | 26 | 24 | 13 | 11 | 31 | 16 | 15 | 0† | * | 0 | 0† | * | 0 | 0† | * | 0 |
| Suspected chromosomal disorder | 45 | 21 | 24 | 20† | * | 13 | 21 | 12 | 9 | 0† | * | * | 0† | * | 0 | 0† | * | * |
| Hypospadias | 26 | 26 | 0 | 13 | 13 | 0 | 11 | 11 | 0 | 0† | * | 0 | 0 | 0 | 0 | 0† | * | 0 |
| Unknown congenital anomalies | 58 | 33 | 25 | 33 | 21 | 12 | 15 | 7 | 8 | 0† | * | * | 10† | * | * | 0† | * | 0 |
| Ratio per 100 births^a | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.6 | 0.2 | 0.6 | 0.6 | 0.3 | 0.4 | 0.1 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a For denominators see Table 5B-8.



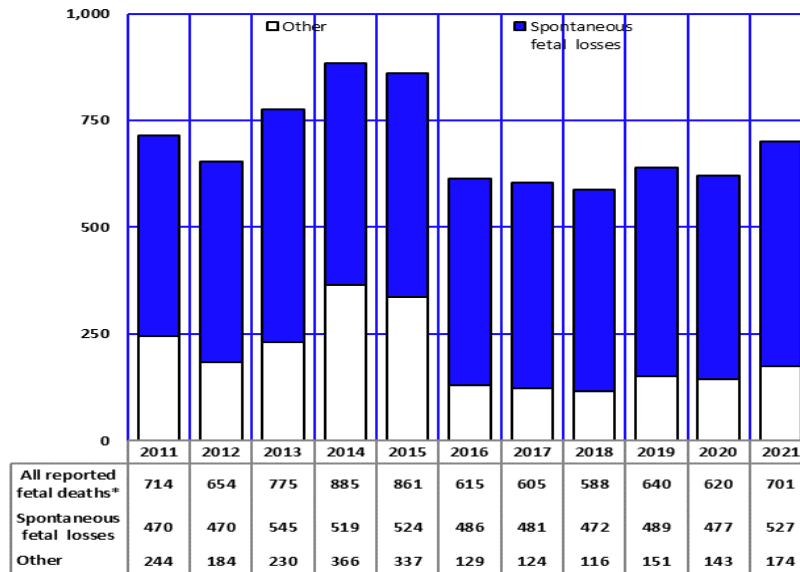
1C.

FETAL, PERINATAL, AND MATERNAL DEATHS

In Arizona, reportable fetal deaths are those after 20 completed weeks of gestation or if the fetus weighs more than 350 grams (*ARS 36-329; Arizona Administrative Code, R9-19-302*). In addition to spontaneous stillbirths, any induced termination of pregnancy at 20 or more weeks of gestation (or, if the gestation period is unknown, when the weight of the product of human conception is more than 350 grams) also requires the filing of a fetal death certificate.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

Figure 1C-1
Trends in Fetal Deaths, Arizona, 2011-2021



The number of all reported fetal deaths in Arizona (including late term abortions) in 2021 was 701, a 13.1 percent increase from 2020 (**Figure 1C-1, Table 1C-3**). The annual number of reportable spontaneous fetal losses increased 10.5 percent from 477 in 2020 to 527 in 2021. (**Figure 1C-1, Table 1C-3**).

Note: All reported includes spontaneous and induced termination of pregnancy at 20 or more weeks of gestation or 350 grams or more and some stillbirths prior to 20 weeks and of any weight.

Figure 1C-2
Fetal^a and Perinatal^b Mortality Rates, Arizona, 2011-2021



The fetal mortality rate increased slightly from a rate of 6.2 deaths at 20 or more weeks of gestation per 1,000 live births in 2020 to a rate of 6.7 deaths in 2021.

Perinatal mortality refers here to death of a fetus of at least 28 weeks gestational age, or of an infant less than 7 days old. The perinatal death rate per 1,000 live births has been below 6 deaths per 1,000 since 2009 then increased at 6.5 in 2014. The perinatal mortality rate of 5.6 in 2020 represented a decrease from the 2017, 2018, and 2019 rates but increased to 6.1 in 2021 (**Figure 1C-2, Table 1C-3**).

Early infant deaths accounted for 238 or 49.6 percent of the 480 perinatal deaths in 2021 (**Figure 1C-2, Table 1C-3**).

Notes: ^aRate is the number of events per 1,000 live births and fetal deaths. ^b Infant deaths of less than 7 days and fetal deaths with gestation of 28 weeks or more, per 1,000 live births and fetal deaths.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

Figure 1C-3
Percent of Death from Maternal Causes by Mother's Age Group, Arizona, 2011-2021

In 2021, 38 women giving birth were reported to have died from maternal causes (**Table 1C-1**). This represents a 2.6 percent decrease from the number of maternal deaths recorded in 2020. The number of maternal deaths does not include all deaths occurring to pregnant women, but only those deaths assigned to causes related to or aggravated by pregnancy or pregnancy management.

Based on the total number of 250 maternal deaths from 2011 to 2021, women age 35 and older had the highest proportional contribution to maternal mortality followed by women age 25 - 34, and women age 24 and younger (**Figure 1C-3**).

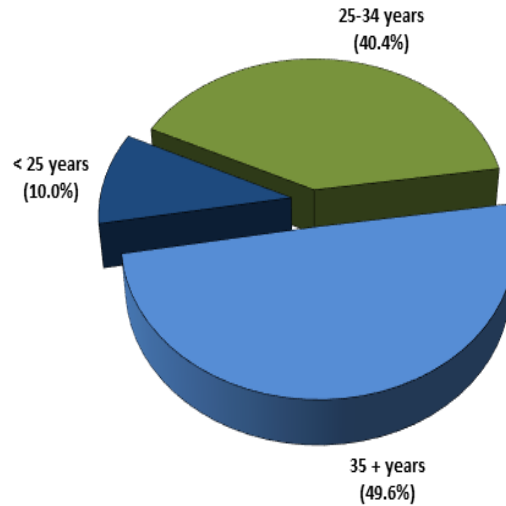
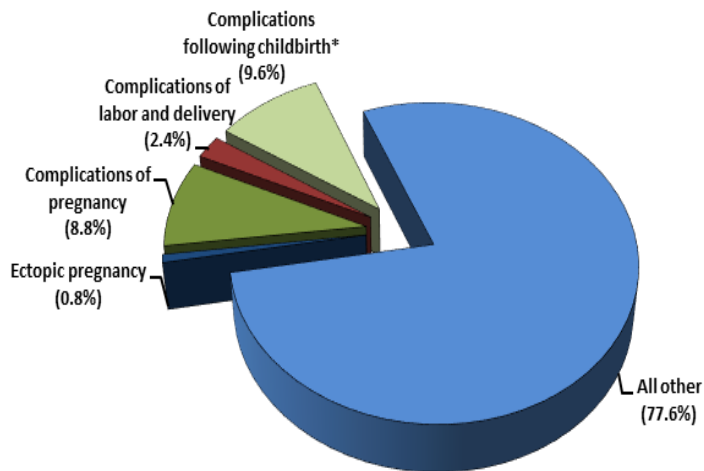


Figure 1C-4
Causes of Maternal Mortality^a, Arizona, 2011-2021

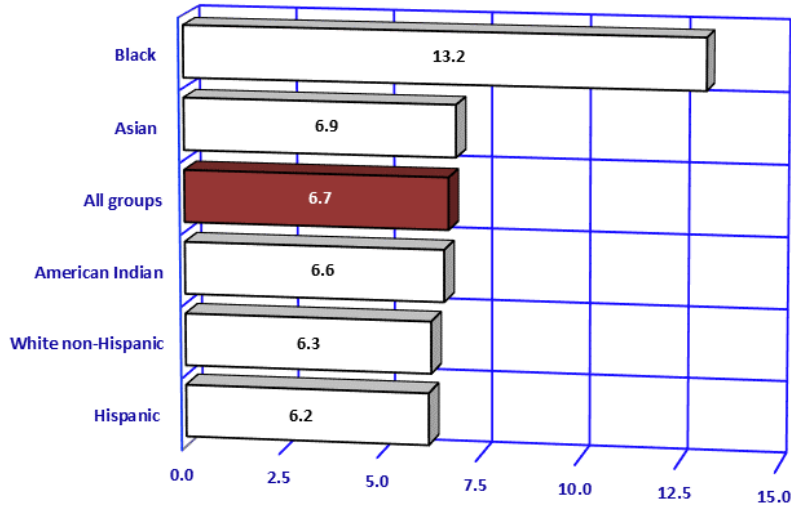
In the eleven-year period from 2011 to 2021, the major causes of maternal deaths in the state have included complications following childbirth (i.e. complications of the puerperium), complications mainly related to pregnancy, complications occurring in the course of labor and delivery, and ectopic pregnancy. All other possible causes of maternal death accounted for 77.6 percent of the maternal deaths from 2011 to 2021 (**Figure 1C-4**, **Table 1C-2**).



Notes: ^a Based on the total number of maternal deaths from 2011 to 2021; * Complications of the puerperium.

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

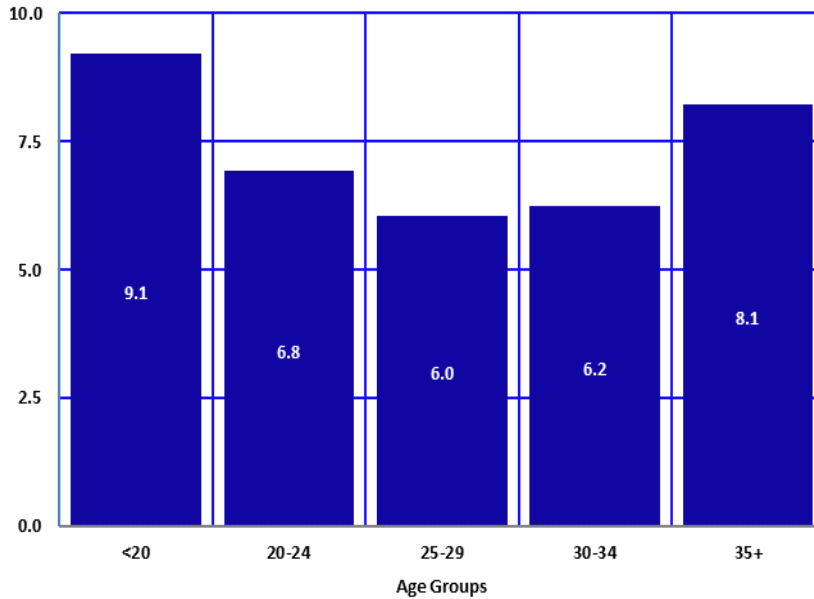
Figure 1C-5
Fetal Mortality Rates by Race/Ethnicity, Arizona, 2021



Fetal mortality rates vary by the race/ethnicity of the mother (**Figure 1C-5**). The fetal mortality rate for Black or African American women was 13.2 per 1,000 live births plus fetal deaths, the highest rate among the racial/ethnic groups. The fetal mortality rate was also higher than the state average for Asian women (6.9) while the rates of American Indian women (6.6), White non-Hispanic (6.3), and Hispanic or Latino (6.2), were below the state average.

Note: ^a Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

Figure 1C-6
Fetal Mortality Rates by Mother's Age Group, Arizona, 2021



Fetal mortality rates vary by maternal age (**Figure 1C-6**). In 2021 fetal mortality rates were lowest for women aged 25-29 years and highest for women aged <20 years. The fetal mortality rate for mothers aged 35 and older increased slightly from 8.0 in 2020 to 8.1 in 2021.

Note: ^a Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

**TABLE 1C-1
MATERNAL DEATHS^a BY AGE GROUP AND YEAR, ARIZONA, 2011-2021**

| Year | Total maternal deaths ^b | Under <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ |
|------|------------------------------------|-----------|-------|-------|-------|-------|-------|-------|-----|
| 2011 | 10† | 0 | 0 | * | * | 0 | * | * | 0 |
| 2012 | 20† | 0 | 0 | * | * | * | * | * | * |
| 2013 | 10† | 0 | 0 | * | * | * | * | 0 | * |
| 2014 | 10† | 0 | * | 0 | * | 0 | * | * | * |
| 2015 | 10† | 0 | 0 | 0 | * | 0 | * | * | 0 |
| 2016 | 30† | 0 | * | * | * | 7 | * | * | 0 |
| 2017 | 20† | 0 | * | * | * | * | 9 | * | 0 |
| 2018 | 30† | 0 | 0 | * | * | 9 | 6 | * | 9 |
| 2019 | 40† | 0 | 0 | * | 6 | 10 | 11 | * | 9 |
| 2020 | 40† | 0 | * | * | 9 | 12 | 8 | * | 0 |
| 2021 | 40† | 0 | 0 | * | 9 | 10 | 12 | * | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Maternal deaths are those assigned to complications of pregnancy, childbirth, and puerperium, category codes O00-O99 of the Tenth Revision of the *International Classification of Diseases*; ^b May include cases with unknown age.

**TABLE 1C-2
MATERNAL DEATHS BY CAUSE AND YEAR, ARIZONA, 2011-2021**

| Cause of death (ICD-9/ICD-10 codes) | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| PREGNANCY WITH ABORTIVE OUTCOME (O00-O07) | 0 | 0 | * | * | 0 | * | 0 | 0 | 0 | 0 | * |
| Ectopic pregnancy (O00) | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | * |
| COMPLICATIONS MAINLY RELATED TO PREGNANCY (O10-O16) | * | * | * | * | * | * | 6 | * | 0 | * | * |
| COMPLICATIONS OCCURRING IN THE COURSE OF LABOR AND DELIVERY (O60-O75) | 0 | 0 | * | 0 | * | 0 | 0 | * | 0 | * | * |
| COMPLICATIONS OF THE PUERPERIUM^a (O85-O92) | * | 7 | 0 | 0 | * | * | 6 | * | * | * | 0 |
| ALL OTHER | * | 8 | * | 7 | * | 20 | 11 | 30 | 40 | 35 | 33 |
| TOTAL | 10† | 20† | 10† | 10† | 10† | 30† | 23 | 30† | 40† | 40† | 40† |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Complications following childbirth are category codes from Tenth Revision of the *International Classification of Diseases*.

**TABLE 1C-3
FETAL AND PERINATAL DEATHS AND RATES BY YEAR, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| NUMBER OF ALL REPORTED FETAL DEATHS Includes spontaneous and induced terminations of pregnancy at 20 or more weeks of gestation (or if gestational age unknown, the deaths of fetuses of at least 350 grams or more) and some stillbirths prior to 20 weeks and of any weight. Excludes fetal deaths occurring in Arizona to out-of-State residents. | 714 | 654 | 775 | 885 | 861 | 615 | 605 | 588 | 640 | 620 | 701 |
| NUMBER OF REPORTABLE FETAL DEATHS Includes spontaneous and induced terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight). | 619 | 588 | 554 | 653 | 665 | 613 | 602 | 583 | 638 | 617 | 698 |
| NUMBER OF REPORTABLE SPONTANEOUS FETAL LOSSES Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight). Excludes induced terminations of pregnancy. | 470 | 470 | 545 | 519 | 524 | 486 | 481 | 472 | 489 | 477 | 527 |
| RATE OF REPORTABLE SPONTANEOUS FETAL LOSSES^a | 5.5 | 5.5 | 6.4 | 6.0 | 6.1 | 5.7 | 5.9 | 5.8 | 6.1 | 6.2 | 6.7 |
| NUMBER OF PERINATAL DEATHS | 465 | 487 | 483 | 551 | 510 | 475 | 472 | 501 | 453 | 434 | 480 |
| Spontaneous fetal losses of 28 or more weeks of gestation | 216 | 221 | 262 | 265 | 275 | 236 | 238 | 247 | 247 | 223 | 242 |
| Infant deaths of less than 7 days | 249 | 266 | 221 | 286 | 235 | 239 | 234 | 254 | 206 | 211 | 238 |
| PERINATAL DEATH RATE^b | 5.4 | 5.7 | 5.7 | 6.5 | 6.0 | 5.6 | 5.8 | 6.2 | 5.7 | 5.6 | 6.1 |

Notes: ^a Per 1,000 live births + reportable spontaneous fetal losses of 20 or more weeks of gestation; ^b Per 1,000 live births + spontaneous fetal losses of 28 or more weeks of gestation.

**TABLE 1C-4
SELECTED CHARACTERISTICS OF REPORTABLE SPONTANEOUS^a FETAL LOSSES BY YEAR, ARIZONA, 2011-2021**

| Characteristic | Year | | | | | | | | | | |
|--------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Total reportable spontaneous fetal losses | 470 | 470 | 545 | 519 | 524 | 486 | 481 | 472 | 489 | 477 | 527 |
| Gender | | | | | | | | | | | |
| Male | 218 | 239 | 260 | 293 | 296 | 248 | 226 | 222 | 271 | 236 | 254 |
| Female | 245 | 222 | 256 | 222 | 225 | 227 | 234 | 246 | 215 | 219 | 223 |
| Unknown | 7 | 9 | 29 | * | * | 11 | 21 | * | * | 22 | 50 |
| Mother's race/ethnicity | | | | | | | | | | | |
| White non-Hispanic | 192 | 195 | 247 | 205 | 200 | 204 | 207 | 205 | 187 | 186 | 214 |
| Hispanic or Latino | 181 | 181 | 205 | 182 | 227 | 195 | 171 | 174 | 196 | 177 | 202 |
| Black or African American | 27 | 36 | 40 | 48 | 50 | 47 | 47 | 42 | 58 | 50 | 64 |
| American Indian or Alaska Native | 43 | 43 | 40 | 47 | 40 | 36 | 40 | 36 | 37 | 41 | 26 |
| Asian or Pacific Islander | 27 | 15 | 13 | 17 | 7 | * | 16 | 15 | 11 | 23 | 21 |
| Refused/Unknown | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mother's age group | | | | | | | | | | | |
| <15 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * |
| 15-17 | 14 | 16 | 18 | 25 | 18 | 10 | 7 | 8 | 7 | 10 | * |
| 18-19 | 35 | 37 | 34 | 27 | 30 | 27 | 25 | 16 | 26 | 16 | 27 |
| 20-24 | 117 | 130 | 115 | 120 | 101 | 94 | 104 | 85 | 89 | 107 | 108 |
| 25-29 | 111 | 100 | 159 | 131 | 135 | 123 | 118 | 138 | 132 | 123 | 142 |
| 30-34 | 114 | 98 | 123 | 117 | 122 | 121 | 125 | 125 | 133 | 116 | 135 |
| 35-39 | 56 | 58 | 79 | 67 | 83 | 71 | 75 | 75 | 76 | 86 | 81 |
| 40-44 | 22 | 27 | 13 | 30 | 27 | 36 | 18 | 22 | 24 | 14 | 26 |
| 45+ | * | * | * | 0 | * | * | * | * | 0 | * | * |
| Unknown | 0 | * | * | * | * | * | 6 | 0 | * | 0 | * |
| Gestational age^b | | | | | | | | | | | |
| 20-27 weeks | 255 | 248 | 282 | 250 | 248 | 239 | 241 | 223 | 242 | 254 | 283 |
| 28+ weeks | 215 | 221 | 262 | 265 | 275 | 236 | 238 | 247 | 247 | 223 | 242 |
| Unknown | 0 | * | * | * | * | 11 | * | * | 0 | 0 | * |
| Weight in grams | | | | | | | | | | | |
| <350 grams | 96 | 119 | 108 | 99 | 117 | 97 | 99 | 93 | 120 | 103 | 113 |
| 350-499 | 80 | 68 | 73 | 74 | 75 | 77 | 75 | 60 | 61 | 73 | 90 |
| 500-2,499 | 193 | 179 | 229 | 236 | 216 | 217 | 199 | 216 | 202 | 210 | 240 |
| 2,500-3,999 | 80 | 87 | 103 | 85 | 85 | 77 | 81 | 91 | 95 | 71 | 69 |
| 4,000+ | 11 | 14 | 6 | 9 | 9 | 6 | 14 | 8 | 7 | 12 | 11 |
| Unknown | 10 | * | 26 | 16 | 22 | 12 | 13 | * | * | 8 | * |

Notes: * Cell suppressed due to non-zero count less than 6; ^a Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; ^b For statistical purposes, fetal deaths are classified according to gestational age; a death that occurs at 20 or more weeks of gestation constitutes a fetal death, and after 28 weeks it is considered a late fetal death.



1D.

ABORTIONS

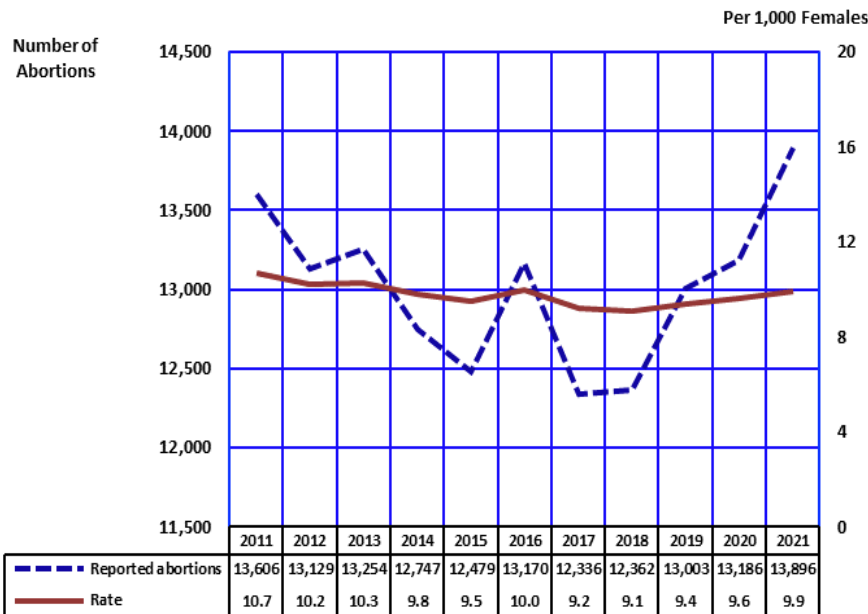
The Arizona Department of Health Services was authorized by Arizona Revised Statute §36-2161 to require healthcare facilities, providers, and physicians to submit abortion procedure reports to the department in order to develop statewide annual abortion statistics and demographic characteristics of women obtaining abortions in Arizona as required by the Arizona Revised Statute § 36-2163.

In 2010, SB1304 was passed by the legislature that statutorily required the reporting of abortions and treatment of complications associated with abortions. In addition, the Administrative Office of the Courts was required to report the number of petitions received by the court for authorization to perform abortions on unemancipated minors as prescribed in Arizona Revised Statutes §36-2152. The collection of this information began on July 29, 2010.

Based on the information collected on race/ethnicity in the abortion reporting system, the racial/ethnic groups described in this section differ from that of other sections. In 2021, 1.9 percent (263) of abortion records had race and ethnicity identified as unknown, and 2.3 percent (317) of abortion records had two or more racial/ethnic groups identified. Due to the proportion of information on race/ethnicity that could not be categorized by the five racial/ethnic groups used through this report, this section reports numbers for records with unknown or multiple race information as separate groups.

1D. ABORTIONS

Figure 1D-1
Number of Reported Abortions and Abortion Rates^a by Year,
Arizona Residents, 2011-2021



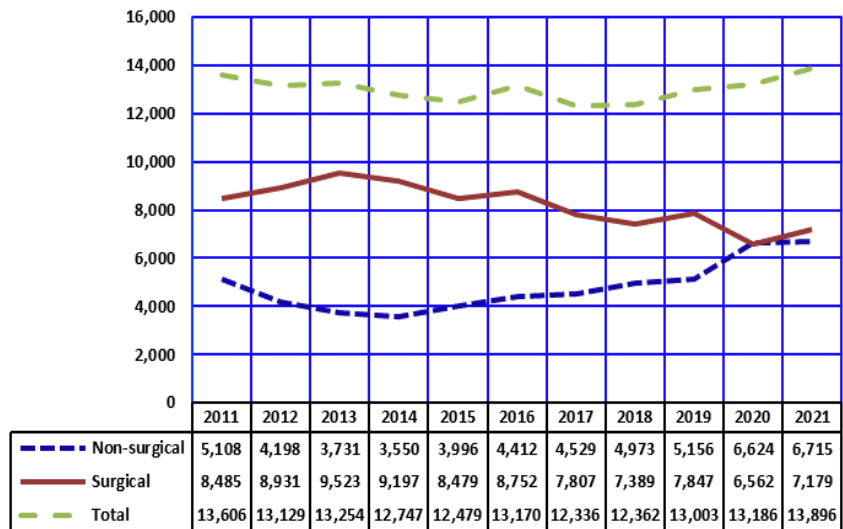
During calendar year 2021, the Arizona Department of Health Services received a total of 13,896 reports of abortions obtained by Arizona residents, 710 more than the 13,186 reported in 2020 (**Figure 1-D1, Table 1D-1**).

There were 13,838 abortions in non-hospital clinics (**Table 1D-1**). Hospitals accounted for 58 abortion procedures, with no procedures being performed outside of clinics and hospitals.

Ninety percent of all reported abortions occurred at or before 13 weeks of pregnancy. Few reported abortions occurred after 14 or more weeks of gestation (**Table 1D-3**).

Notes: ^a Number of abortions per 1,000 females 15-44 years old. The sharp increase in number of reported abortions and rates was due to enhanced surveillance as noted in the abortion report.

Figure 1D-2
Trends in the Number of Surgical and Non-Surgical Abortions by Year,
Arizona Residents, 2011-2021

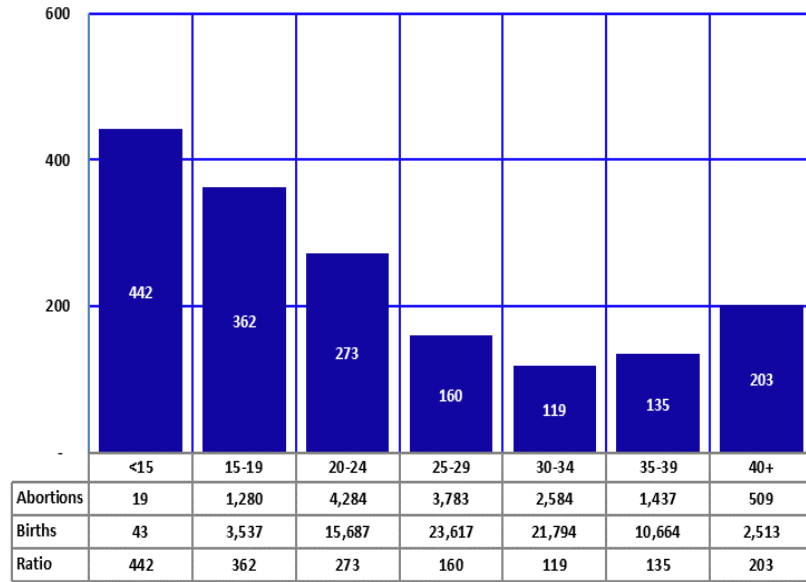


The rate of induced terminations of pregnancy per 1,000 female residents aged 15-44 increased from 9.6 in 2020 to 9.9 in 2021 (**Figure 1D-1**).

Trends in the percent of abortions conducted through surgical and non-surgical from 2011 to 2021 indicate shifting practices in methods used to complete abortions. In 2011, 62.4 percent of all abortion procedures were surgical procedures. Since then, the proportion of abortions conducted through surgical means has decreased, with 51.7 percent of all abortion procedures conducted in 2021 being surgical procedures.

1D. ABORTIONS

Figure 1D-3
Abortion Ratios^a by Age Group, Arizona Residents, 2021

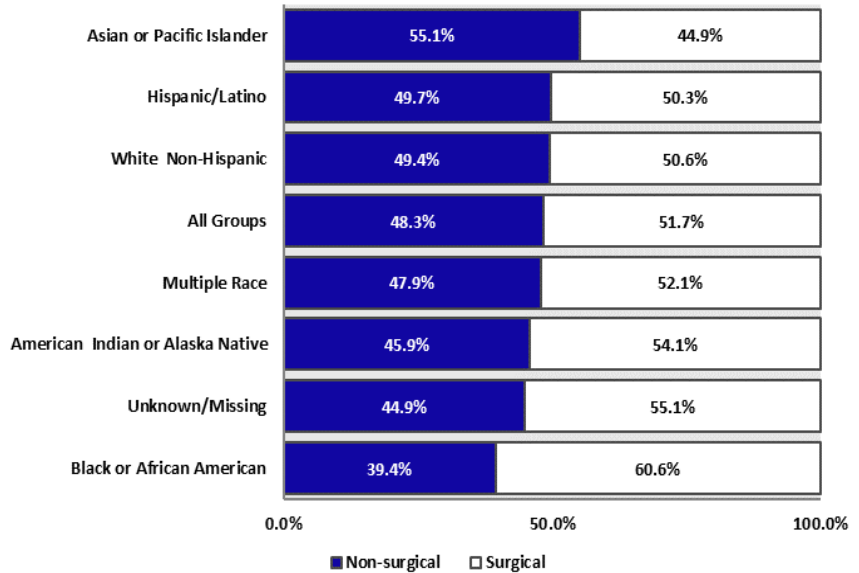


Abortion ratios (the number of abortions per 1,000 live births in each age group) vary by age at reported termination of pregnancy. Ratios were higher at the lower end of the age distribution of the childbearing period, i.e., among women under age 15, 15-19, and 20-24 years of age (**Figure-1D-3**).

A comparison of abortion ratios by race/ethnicity is provided in **Table 1D-2**.

Note: ^a Number of reported abortions per 1,000 live births in specified group.

Figure 1D-4
Proportional Contribution of Non-Surgical^a and Surgical Abortions by Race/Ethnicity, Arizona Residents, 2021



In 2021, non-surgical (also called “medical”) abortions made up 48.3 percent of all procedures reported in Arizona. The proportion of non-surgical abortion was the highest among Asian or Pacific Islander, and exceeded the average for all groups (**Figure 1D-4**). The proportion of surgical abortions was highest among Black or African American women than women of other racial/ethnic groups.

Notes: ^a Non-surgical: Mifepristone, Methotrexate, Cytotec, etc.; Reporting changes related to race/ethnicity makes comparisons with previous years difficult.

**TABLE 1D-1
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2011-2021**

| Characteristics | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ABORTIONS PERFORMED IN ARIZONA | 14,401 | 13,340 | 13,401 | 12,900 | 12,655 | 13,332 | 12,533 | 12,438 | 13,097 | 13,273 | 13,998 |
| RESIDENT ABORTIONS | 13,606 | 13,129 | 13,254 | 12,747 | 12,479 | 13,170 | 12,336 | 12,362 | 13,003 | 13,186 | 13,896 |
| RACE/ETHNICITY | | | | | | | | | | | |
| White non-Hispanic | 2,385 | 1,904 | 2,515 | 5,562 | 5,378 | 5,321 | 4,762 | 4,807 | 4,798 | 4,684 | 4,645 |
| Hispanic or Latino | 4,274 | 3,393 | 4,189 | 4,499 | 4,350 | 4,823 | 4,639 | 4,679 | 5,093 | 5,349 | 6,080 |
| Black or African American | 145 | 116 | 189 | 981 | 1,074 | 1,253 | 1,196 | 1,229 | 1,372 | 1,594 | 1,662 |
| American Indian | 48 | 38 | 61 | 291 | 331 | 340 | 348 | 315 | 344 | 372 | 399 |
| Asian or other Pacific Islander | 47 | 75 | 110 | 534 | 532 | 608 | 598 | 552 | 612 | 550 | 530 |
| Multiple race ^a | 4,442 | 2,985 | 4,257 | 361 | 175 | 244 | 216 | 259 | 290 | 323 | 317 |
| Refused/Unknown | 2,265 | 4,618 | 1,933 | 519 | 639 | 581 | 577 | 521 | 494 | 314 | 263 |
| AGE | | | | | | | | | | | |
| 19 years and under | 1,785 | 1,539 | 1,441 | 1,249 | 1,189 | 1,297 | 1,179 | 1,146 | 1,169 | 1,218 | 1,299 |
| 20-29 years | 7,814 | 7,602 | 7,676 | 7,520 | 7,265 | 7,680 | 7,245 | 7,212 | 7,520 | 7,644 | 8,067 |
| 30 years and over | 4,007 | 3,987 | 4,136 | 3,978 | 4,021 | 4,186 | 3,912 | 4,004 | 4,314 | 4,324 | 4,530 |
| Not stated | NA | * | * | 0 | * | 7 | 0 | 0 | 0 | 0 | 0 |
| YEARS OF EDUCATION | | | | | | | | | | | |
| Elementary/secondary (1-12) | 4,757 | 3,615 | 2,400 | 1,372 | 2,561 | 3,234 | 3,228 | 3,457 | 3,971 | 3,820 | 4,659 |
| College (1-4 or 5+) | 2,252 | 2,518 | 2,522 | 2,706 | 3,203 | 3,801 | 3,365 | 2,966 | 3,355 | 3,045 | 3,864 |
| None, not stated, or unknown | 6,597 | 6,996 | 8,332 | 8,064 | 6,715 | 6,135 | 5,743 | 5,939 | 5,677 | 6,321 | 5,373 |
| WEEKS OF GESTATION | | | | | | | | | | | |
| 12 weeks or under | 12,156 | 11,677 | 11,767 | 11,232 | 11,062 | 11,762 | 10,917 | 10,924 | 11,510 | 11,708 | 12,066 |
| 13 weeks or over | 1,427 | 1,432 | 1,487 | 1,507 | 1,411 | 1,396 | 1,419 | 1,438 | 1,493 | 1,478 | 1,830 |
| Not stated or unknown | 23 | 20 | 0 | 8 | 6 | 12 | 0 | 0 | 0 | 0 | 0 |
| FACILITY | | | | | | | | | | | |
| Clinic | 14,358 | 13,072 | 13,023 | 12,671 | 12,065 | 13,139 | 12,301 | 12,308 | 12,957 | 13,140 | 13,838 |
| Hospital | 42 | 54 | 152 | 70 | 24 | 27 | 31 | 51 | 41 | 41 | 58 |
| Other | 0 | * | 79 | 6 | 390 | * | * | * | * | * | 0 |

**TABLE 1D-1 (continued)
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2011-2021**

| Characteristics | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| PREVIOUS LIVE BIRTHS | | | | | | | | | | | |
| None | 5,820 | 5,829 | 5,810 | 5,201 | 5,267 | 5,586 | 5,326 | 5,430 | 5,656 | 5,705 | 6,159 |
| One or more | 7,772 | 7,280 | 7,387 | 7,337 | 7,187 | 7,542 | 6,972 | 6,856 | 7,212 | 7,365 | 7,596 |
| PREVIOUS ABORTIONS | | | | | | | | | | | |
| None | 8,382 | 8,445 | 8,450 | 7,872 | 7,843 | 8,177 | 7,900 | 7,893 | 8,406 | 8,503 | 9,148 |
| One or more | 5,183 | 4,616 | 4,672 | 4,616 | 4,549 | 4,913 | 4,365 | 4,346 | 4,424 | 4,533 | 4,553 |
| PREVIOUS SPONTANEOUS TERMINATIONS OF PREGNANCY | | | | | | | | | | | |
| None | 11,257 | 10,941 | 10,825 | 10,241 | 10,146 | 10,462 | 9,930 | 9,932 | 10,460 | 10,532 | 10,976 |
| One or more | 2,301 | 2,108 | 2,283 | 2,213 | 2,220 | 2,613 | 2,307 | 2,302 | 2,324 | 2,456 | 2,613 |
| NONSURGICAL ABORTIONS | | | | | | | | | | | |
| | 5,108 | 4,198 | 3,731 | 3,550 | 3,996 | 4,412 | 4,529 | 4,973 | 5,156 | 6,624 | 6,715 |
| ABORTION RATIO^b | | | | | | | | | | | |
| | 159.7 | 153.2 | 156.0 | 147.1 | 146.8 | 156.0 | 151.1 | 153.5 | 164.2 | 171.7 | 178.5 |
| ABORTION RATE^c | | | | | | | | | | | |
| | 10.7 | 10.2 | 10.3 | 9.8 | 9.5 | 10.0 | 9.2 | 9.1 | 9.4 | 9.6 | 9.9 |

Notes: * Cell suppressed due to count less than 6; ^a Multiple race data was not available for previous years (2007-2010); ^b Number of abortions per 1,000 women giving birth; ^c Number of abortions per 1,000 women of childbearing age (15 - 44 years old); ^d Outpatient Surgical Centers in 2010.

**TABLE 1D-2
PROPORTION, RATES, AND RATIOS^a OF ABORTIONS BY RACE/ETHNICITY PER YEAR, ARIZONA, 2011-2021**

| Race and Ethnicity | Year | | | | | | | | | | |
|-----------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|
| | 2011 ^e | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| Percent of Abortions^b | | | | | | | | | | | |
| White non-Hispanic | 17.5 | 14.5 | 19.0 | 43.6 | 43.1 | 40.4 | 38.6 | 38.9 | 36.9 | 35.5 | 33.4 |
| Hispanic or Latino | 31.4 | 25.8 | 31.6 | 35.3 | 34.9 | 36.6 | 37.6 | 37.8 | 39.2 | 40.6 | 43.8 |
| Black or African American | 1.1 | 0.9 | 1.4 | 7.7 | 8.6 | 9.5 | 9.7 | 9.9 | 10.6 | 12.1 | 12.0 |
| American Indian or Alaska Native | 0.4 | 0.3 | 0.5 | 2.3 | 2.7 | 2.6 | 2.8 | 2.5 | 2.6 | 2.8 | 2.9 |
| Asian or Pacific Islander | 0.3 | 0.6 | 0.8 | 4.2 | 4.3 | 4.6 | 4.8 | 4.5 | 4.7 | 4.2 | 3.8 |
| Multiple races | 32.6 | 22.7 | 32.1 | 2.8 | 1.4 | 1.9 | 1.8 | 2.1 | 2.2 | 2.5 | 2.3 |
| Refused/Unknown | 16.6 | 35.2 | 14.6 | 4.1 | 5.1 | 4.4 | 4.7 | 4.2 | 3.8 | 2.4 | 1.9 |
| Abortion Rates^c | | | | | | | | | | | |
| White non-Hispanic | 3.7 | 2.9 | 3.8 | 8.6 | 8.3 | 8.3 | 7.4 | 7.5 | 7.4 | 7.3 | 7.1 |
| Hispanic or Latino | 9.9 | 7.7 | 9.3 | 10.6 | 9.1 | 9.9 | 9.3 | 9.2 | 9.7 | 10.2 | 11.4 |
| Black or African American | 2.5 | 2.0 | 3.2 | 12.8 | 16.3 | 18.4 | 17.0 | 16.8 | 18.0 | 20.2 | 20.3 |
| American Indian or Alaska Native | 0.6 | 0.6 | 0.9 | 3.4 | 5.1 | 5.2 | 5.2 | 4.7 | 5.1 | 5.7 | 6.0 |
| Asian or Pacific Islander | 0.9 | 1.6 | 2.3 | 8.5 | 9.2 | 10.1 | 9.9 | 8.8 | 9.1 | 8.1 | 7.7 |
| Multiple races | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Refused/Unknown | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Abortion Ratio^d | | | | | | | | | | | |
| White non-Hispanic | 62 | 49 | 66 | 139 | 141 | 141 | 133 | 138 | 141 | 142 | 137 |
| Hispanic or Latino | 132 | 102 | 127 | 133 | 127 | 142 | 140 | 142 | 156 | 168 | 188 |
| Black or African American | 33 | 25 | 40 | 217 | 246 | 286 | 260 | 264 | 282 | 334 | 347 |
| American Indian or Alaska Native | 8 | 7 | 11 | 57 | 65 | 68 | 72 | 67 | 77 | 91 | 102 |
| Asian or Pacific Islander | 13 | 21 | 32 | 169 | 164 | 181 | 180 | 169 | 194 | 185 | 176 |
| Multiple races | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Refused/Unknown | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Notes: ^a Number of resident abortions performed in Arizona per 1,000 resident live births in specified race/ethnicity group; ^b Proportion of total abortions by ethnicity and/or race represented as a percentage. Percentages are calculated using the total number of reported abortions as the denominator and the number of reported abortions for a specific ethnicity and/or race as the numerator. Percents do not add up to a 100 due to rounding errors, multiple race and unknown ethnicity/race categories; ^c Calculated using the number of abortions obtained by women, ages 15-44 in a given race and/or ethnic group per 1,000 women in the same group; ^d Calculated using the number of abortions per 1,000 live births; ^e Beginning 2011, rates and ratios should be interpreted with caution due to the addition of the Multiple Race and Unknown categories. Single race selections are the best estimates for rates and ratios.

**TABLE 1D-3
ABORTIONS BY WEEK OF GESTATION AND AGE GROUP, ARIZONA, 2021**

| Age | Gestational Age | | | | | |
|---------------|-----------------|-------------|--------------------------|------------|------------------------|------------|
| | ≤13 weeks | | 14 to 20 weeks | | ≥21 or more weeks | |
| | Count | Percent | Count | Percent | Count | Percent |
| <15 yrs | 14 | 73.7 | * | ** | * | ** |
| 15-19 yrs | 1,115 | 87.1 | 140 | 10.9 | 25 | 2.0 |
| 20-24 yrs | 3,880 | 90.6 | 354 | 8.3 | 50 | 1.2 |
| 25-29 yrs | 3,442 | 91.0 | 280 | 7.4 | 61 | 1.6 |
| 30-34 yrs | 2,300 | 89.0 | 237 | 9.2 | 47 | 1.8 |
| 35-39 yrs | 1,265 | 88.0 | 140 | 9.7 | 32 | 2.2 |
| ≥40 yrs | 450 | 88.4 | 48 | 9.4 | 11 | 2.2 |
| Totals | 12,466 | 89.7 | 1,200[†] | 8.7 | 230[†] | 1.6 |

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [†] Sum rounded to nearest tens unit due to addend less than 6.

**TABLE 1D-4
ABORTIONS BY WEEK OF GESTATION AND RACE/ETHNICITY, ARIZONA, 2021**

| Week of gestation | Total | Race/ethnicity | | | | | | | Multiple race | Refused / Unknown race |
|------------------------|--------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|---------------|------------------------|---------------|------------------------|
| | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Multiple race | Refused / Unknown race | | |
| Total | 13,896 | 4,645 | 6,080 | 1,662 | 400† | 530† | 320† | 260† | | |
| 6 weeks or less | 3,433 | 1,226 | 1,436 | 376 | 69 | 173 | 83 | 70 | | |
| 7 | 2,681 | 916 | 1,181 | 311 | 51 | 112 | 58 | 52 | | |
| 8 | 2,084 | 693 | 898 | 287 | 63 | 72 | 43 | 28 | | |
| 9 | 1,679 | 533 | 801 | 186 | 56 | 45 | 33 | 25 | | |
| 10 | 1,070 | 325 | 487 | 141 | 36 | 32 | 26 | 23 | | |
| 11 | 708 | 236 | 322 | 83 | 22 | 15 | 15 | 15 | | |
| 12 | 411 | 122 | 197 | 55 | 11 | 11 | 8 | 7 | | |
| 13 | 400 | 122 | 176 | 52 | 19 | 18 | 7 | 6 | | |
| 14 | 288 | 94 | 117 | 37 | 16 | 8 | 10 | 6 | | |
| 15 | 318 | 94 | 140 | 36 | 20 | 8 | 9 | 11 | | |
| 16 | 180† | 60 | 71 | 21 | 6 | * | 9 | * | | |
| 17 | 120† | 37 | 51 | 14 | * | * | 7 | 0 | | |
| 18 | 100† | 35 | 42 | 17 | * | * | * | * | | |
| 19 | 120† | 43 | 38 | 20 | 8 | 7 | * | 0 | | |
| 20 | 80† | 35 | 32 | 6 | * | * | 0 | * | | |
| 21+ | 227 | 74 | 91 | 20 | 13 | 14 | 6 | 9 | | |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6.

CHAPTER 2

TRENDS AND PATTERNS IN MORTALITY, ARIZONA, 2011-2021

2A. TOTAL MORTALITY

2B. LEADING CAUSES OF DEATH

2C. AGE-SPECIFIC MORTALITY

- **INFANT MORTALITY**
- **CHILDHOOD MORTALITY**
- **ADOLESCENT MORTALITY**
- **YOUNG ADULT MORTALITY**
- **MIDDLE-AGED ADULT MORTALITY**
- **ELDERLY MORTALITY**

2D. PATTERNS OF PREMATURE MORTALITY



2A.

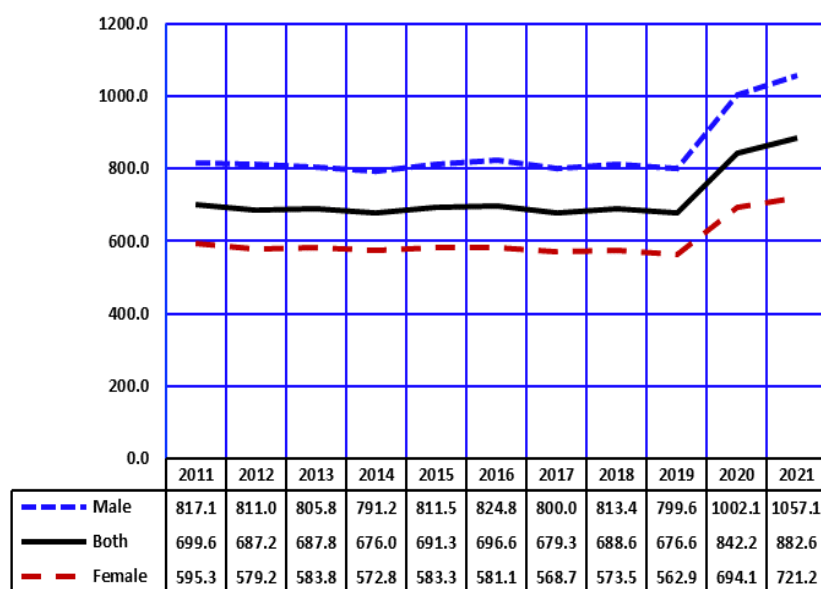
TOTAL MORTALITY

The total number of deaths from all causes among Arizona residents increased by 7.6 percent from 75,700 in 2020 to 81,482 in 2021 (**Table 2A-1**). The age-adjusted mortality rate for all causes of death increased 4.8 percent from 842.2/100,000 in 2020 to 882.6/100,000 in 2021. When considering race/ethnicity, we observe an increase in the age adjusted mortality of all racial/ethnic groups in 2021 compared to 2011 and 2016 (**Figure 2A-2**).

There were some disparities by gender and race/ethnicity for total mortality. Deaths in Arizona by residents in 2021 mostly occurred in January (12.3 percent) and the smallest counts were recorded in April (6.7 percent) (**Table 2A-3**).

2A. TOTAL MORTALITY

Figure 2A-1
Age-adjusted Mortality Rates^a for all Causes by Gender and Year,
Arizona, 2011-2021



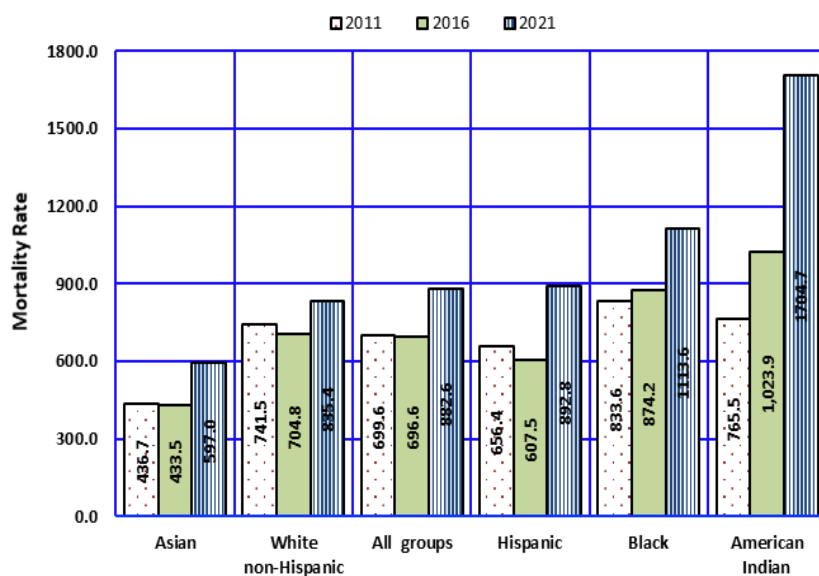
Note: ^a Number of deaths per 100,000 persons (adjusted to the 2000 standard U.S. population).

The age-adjusted mortality rates discussed below are based on the year 2000 population standard. All mortality rates in sections 2A and 2B are age-adjusted. A detailed explanation of the age-adjustment of mortality rates is given in the **Technical Notes**.

The total age-adjusted mortality rate increased by 4.8 percent, from 842.2 deaths per 100,000 population in 2020 to 882.6 deaths in 2021 (**Figure 2A-1, Table 2B-2**). Over this period, the age-adjusted mortality rates increased for both males (5.5 percent) and females (3.9 percent).

The gap between male and female mortality rates remained between 2011 and 2021. In each year during the 11-year period, the male age-adjusted mortality rate was almost 1.4 to 1.5 times higher than the female age-adjusted mortality annually.

Figure 2A-2
Age-adjusted Mortality Rates^a for all Causes by Race/Ethnicity and Year,
Arizona Residents, 2011, 2016, and 2021



Note: ^a Number of deaths per 100,000 persons (adjusted to the 2000 standard U.S. population).

The 2021 age-adjusted death rates for the major racial/ethnic groups were as follows: for Asian or Pacific Islander, 597.0 deaths per 100,000 population; Hispanic or Latino, 892.8; White non-Hispanic, 835.4; Black or African American, 1113.6; and American Indian or Alaska Native, 1704.7 (**Figure 2A-2, Table 2B-4**).

In 2021, as in 2011 and 2016, American Indians and Blacks had higher total mortality rates than White non-Hispanics, Hispanics, and Asians. The total mortality rates for Asians were lower than the rates of both White non-Hispanics and Hispanics in 2011, 2016, and 2021.

2A. TOTAL MORTALITY

Figure 2A-3
Percent of Annual Deaths by Month of Occurrence and Residence Status, Arizona, 2021

If there was no monthly variation in proportional contribution to total annual deaths, 8.3 percent (100/12) of deaths should occur monthly. However, when the monthly distribution of resident deaths is examined, the month of January (12.3 percent), December (10.2 percent), November (9.0 percent), September and October (8.4 percent), contributed more than the expected value (**Figure 2A-3**). April was the month with the lowest percent contribution to the total annual deaths among Arizona residents (AZR).

The majority of the 4,088 non-residents who died in Arizona during 2021 did so during the months of January, December, November, October, March, and September.

April was the month with the lowest percent contribution (6.5 percent) to the annual death among out-of-State residents (OSR) who died in Arizona.

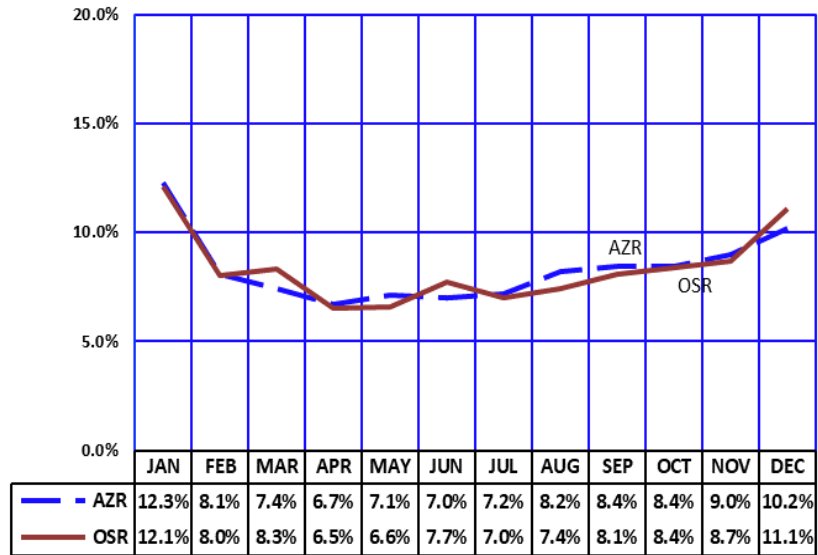
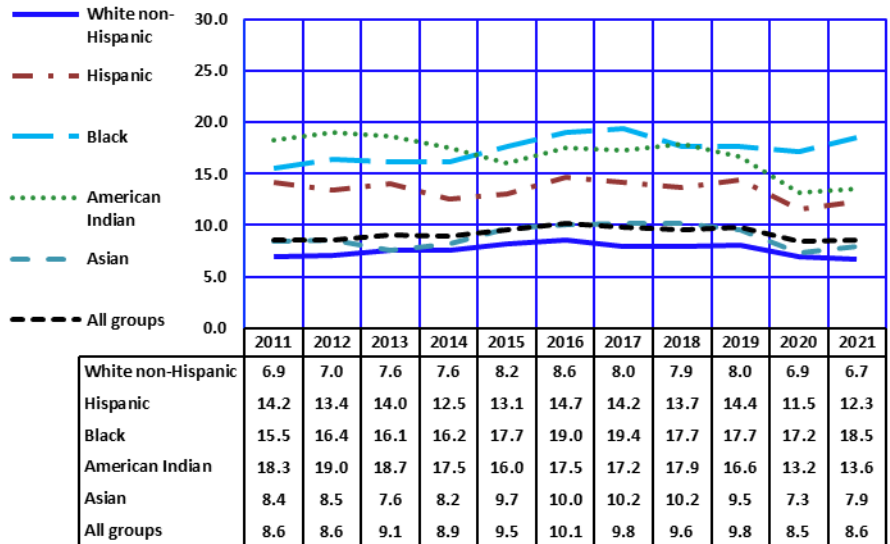


Figure 2A-4
Percentage of Deaths for which Autopsies were Reported by Race/Ethnicity and Year, Arizona Residents, 2011-2021

Autopsies were reported as performed on 7,003 decedents, or 8.6 percent of the deaths that occurred among Arizona residents in 2021. From 2011 – 2021, the percentage of deaths for which autopsies were reported varied from 8.6 percent in 2011 and 2012, a high of 10.1 percent in 2016, 9.8 percent in 2017 and 2019, 9.6 in 2018, 9.1 in 2013, then dropped back down to 8.6 percent in 2021. Additionally, a low of 8.5 percent in 2020, made it the lowest percentage among the time period.

The percentage autopsied varies by the decedent’s demographic characteristics. By race/ethnicity (**Figure 2A-4**) the percentage autopsied was the lowest for White non-Hispanic than for other racial/ethnic groups. The prevalence of autopsies was substantially greater among Black, American Indian, and Hispanic or Latino sub-populations. A substantial portion of the differential in the use of autopsy by race/ethnicity reflects differences in the age and manner of death. For example, autopsies tend to be more common at younger ages and for deaths by homicide, suicide, accidents, and undetermined manner.



**TABLE 2A-1
NUMBER OF DEATHS BY RACE/ETHNICITY, GENDER, AND YEAR, ARIZONA RESIDENTS, 2011-2021**

| | 2011 | 2012 ^a | 2013 ^a | 2014 ^a | 2015 ^a | 2016 ^a | 2017 ^a | 2018 ^a | 2019 ^a | 2020 | 2021 |
|-----------------------------------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|--------|
| TOTAL | | | | | | | | | | | |
| Total | 47,547 | 48,459 | 49,929 | 51,074 | 54,152 | 56,480 | 57,261 | 59,206 | 60,161 | 75,700 | 81,482 |
| Male | 24,785 | 25,577 | 26,222 | 27,037 | 28,814 | 30,431 | 30,721 | 32,067 | 32,575 | 41,431 | 45,102 |
| Female | 22,762 | 22,874 | 23,703 | 24,034 | 25,334 | 26,046 | 26,537 | 27,136 | 27,585 | 34,269 | 36,369 |
| White non-Hispanic | | | | | | | | | | | |
| Total | 37,211 | 38,629 | 39,543 | 40,391 | 42,750 | 44,092 | 44,191 | 45,194 | 45,467 | 54,148 | 57,987 |
| Male | 19,307 | 20,206 | 20,550 | 21,207 | 22,504 | 23,439 | 23,375 | 24,150 | 24,334 | 28,990 | 31,702 |
| Female | 17,904 | 18,416 | 18,989 | 19,181 | 20,242 | 20,653 | 20,816 | 21,044 | 21,133 | 25,158 | 26,285 |
| Hispanic or Latino | | | | | | | | | | | |
| Total | 5,575 | 5,963 | 6,300 | 6,444 | 6,839 | 7,343 | 7,539 | 8,088 | 8,488 | 12,504 | 13,785 |
| Male | 2,982 | 3,323 | 3,412 | 3,543 | 3,814 | 4,154 | 4,197 | 4,629 | 4,770 | 7,277 | 7,998 |
| Female | 2,593 | 2,640 | 2,888 | 2,901 | 3,025 | 3,189 | 3,341 | 3,458 | 3,718 | 5,227 | 5,787 |
| Black or African American | | | | | | | | | | | |
| Total | 1,399 | 1,509 | 1,593 | 1,578 | 1,742 | 1,925 | 1,896 | 2,057 | 2,207 | 2,932 | 3,295 |
| Male | 734 | 803 | 897 | 852 | 971 | 1,108 | 1,076 | 1,104 | 1,205 | 1,723 | 1,850 |
| Female | 665 | 706 | 696 | 726 | 771 | 817 | 820 | 953 | 1,002 | 1,209 | 1,443 |
| American Indian or Alaska Native | | | | | | | | | | | |
| Total | 1,681 | 1,806 | 1,955 | 2,074 | 2,140 | 2,346 | 2,355 | 2,527 | 2,599 | 4,290 | 4,380 |
| Male | 876 | 993 | 1,103 | 1,152 | 1,187 | 1,365 | 1,334 | 1,445 | 1,463 | 2,412 | 2,463 |
| Female | 805 | 812 | 852 | 922 | 953 | 981 | 1,021 | 1,081 | 1,136 | 1,878 | 1,917 |
| Asian or Pacific Islander | | | | | | | | | | | |
| Total | 528 | 552 | 538 | 582 | 673 | 769 | 796 | 886 | 957 | 1,199 | 1,543 |
| Male | 269 | 252 | 260 | 280 | 334 | 364 | 377 | 419 | 492 | 586 | 772 |
| Female | 259 | 300 | 278 | 302 | 339 | 405 | 419 | 467 | 465 | 613 | 771 |
| Refused/Unknown race | | | | | | | | | | | |
| Total | 1,153 | ^b | ^b | 10† | 10† | 0† | 484 | 454 | 443 | 627 | 492 |
| Male | 617 | ^b | ^b | * | * | * | 362 | 320 | 311 | 443 | 317 |
| Female | 536 | ^b | ^b | * | * | * | 120 | 133 | 131 | 184 | 166 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Deaths with unknown gender or unknown race/ethnicity were included in total; ^b Bridging of race/ethnicity in 2012 and 2013 differed from previous years. Individuals with unknown race were categorized as White non-Hispanic, while individuals with unknown race and Hispanic ethnicity were coded as Hispanic.

**TABLE 2A-2
RESIDENT MORTALITY BY MONTH OF OCCURRENCE AND YEAR, ARIZONA, 2011-2021**

| Month of death | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|--------------------------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | JAN | Count 4,321 | 4,210 | 5,079 | 4,824 | 5,028 | 5,119 | 5,111 | 6,219 | 5,595 | 5,693 |
| | Percent 9.1% | 8.7% | 10.2% | 9.4% | 9.3% | 9.1% | 8.9% | 10.5% | 9.3% | 7.5% | 12.3% |
| FEB | Count 4,070 | 4,147 | 4,383 | 4,227 | 4,267 | 5,135 | 4,514 | 4,832 | 4,724 | 5,275 | 6,566 |
| | Percent 8.6% | 8.6% | 8.8% | 8.3% | 7.9% | 9.1% | 7.9% | 8.2% | 7.9% | 7.0% | 8.1% |
| MAR | Count 4,358 | 4,414 | 4,484 | 4,333 | 4,819 | 5,387 | 5,070 | 5,353 | 5,372 | 5,745 | 6,039 |
| | Percent 9.2% | 9.1% | 9.0% | 8.5% | 8.9% | 9.5% | 8.9% | 9.0% | 8.9% | 7.6% | 7.4% |
| APR | Count 3,967 | 4,176 | 4,231 | 4,278 | 4,547 | 4,689 | 4,854 | 4,922 | 5,029 | 5,768 | 5,457 |
| | Percent 8.3% | 8.6% | 8.5% | 8.4% | 8.4% | 8.3% | 8.5% | 8.3% | 8.4% | 7.6% | 6.7% |
| MAY | Count 3,899 | 3,980 | 4,076 | 4,291 | 4,527 | 4,603 | 4,867 | 4,768 | 5,098 | 5,833 | 5,749 |
| | Percent 8.2% | 8.2% | 8.2% | 8.4% | 8.4% | 8.1% | 8.5% | 8.1% | 8.5% | 7.7% | 7.1% |
| JUN | Count 3,823 | 3,868 | 3,831 | 4,072 | 4,396 | 4,464 | 4,782 | 4,666 | 4,689 | 6,483 | 5,692 |
| | Percent 8.0% | 8.0% | 7.7% | 8.0% | 8.1% | 7.9% | 8.4% | 7.9% | 7.8% | 8.6% | 7.0% |
| JUL | Count 3,791 | 3,862 | 3,926 | 4,071 | 4,338 | 4,496 | 4,739 | 4,761 | 4,923 | 8,243 | 5,836 |
| | Percent 8.0% | 8.0% | 7.9% | 8.0% | 8.0% | 8.0% | 8.3% | 8.0% | 8.2% | 10.9% | 7.2% |
| AUG | Count 3,913 | 3,850 | 3,893 | 4,112 | 4,338 | 4,432 | 4,534 | 4,647 | 4,848 | 6,603 | 6,718 |
| | Percent 8.2% | 7.9% | 7.8% | 8.1% | 8.0% | 7.8% | 7.9% | 7.8% | 8.1% | 8.7% | 8.2% |
| SEP | Count 3,678 | 3,849 | 3,804 | 3,994 | 4,183 | 4,253 | 4,423 | 4,505 | 4,755 | 5,390 | 6,865 |
| | Percent 7.7% | 7.9% | 7.6% | 7.8% | 7.7% | 7.5% | 7.7% | 7.6% | 7.9% | 7.1% | 8.4% |
| OCT | Count 3,888 | 3,956 | 3,868 | 4,184 | 4,284 | 4,501 | 4,548 | 4,619 | 4,858 | 5,566 | 6,849 |
| | Percent 8.2% | 8.2% | 7.7% | 8.2% | 7.9% | 8.0% | 7.9% | 7.8% | 8.1% | 7.4% | 8.4% |
| NOV | Count 3,753 | 3,894 | 3,924 | 4,239 | 4,543 | 4,518 | 4,547 | 4,706 | 5,058 | 6,048 | 7,328 |
| | Percent 7.9% | 8.0% | 7.9% | 8.3% | 8.4% | 8.0% | 7.9% | 7.9% | 8.4% | 8.0% | 9.0% |
| DEC | Count 4,086 | 4,253 | 4,430 | 4,449 | 4,882 | 4,883 | 5,272 | 5,208 | 5,212 | 9,053 | 8,322 |
| | Percent 8.6% | 8.8% | 8.9% | 8.7% | 9.0% | 8.6% | 9.2% | 8.8% | 8.7% | 12.0% | 10.2% |
| TOTAL | Count 47,547 | 48,459 | 49,929 | 51,074 | 54,152 | 56,480 | 57,261 | 59,206 | 60,161 | 75,700 | 81,482 |
| | Percent 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

**TABLE 2A-3
DEATHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2021**

| Day of death | Month of death | | | | | | | | | | | | Total |
|--------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 1 | 315 | 266 | 190 | 201 | 180 | 175 | 180 | 205 | 225 | 256 | 215 | 258 | 2,666 |
| 2 | 306 | 281 | 220 | 201 | 210 | 194 | 206 | 204 | 245 | 231 | 247 | 241 | 2,786 |
| 3 | 341 | 309 | 206 | 174 | 195 | 194 | 192 | 236 | 227 | 249 | 234 | 275 | 2,832 |
| 4 | 343 | 255 | 226 | 185 | 187 | 206 | 208 | 203 | 247 | 221 | 215 | 269 | 2,765 |
| 5 | 322 | 284 | 212 | 159 | 183 | 188 | 163 | 205 | 219 | 221 | 215 | 268 | 2,639 |
| 6 | 330 | 273 | 217 | 188 | 198 | 198 | 171 | 236 | 230 | 218 | 221 | 249 | 2,729 |
| 7 | 343 | 246 | 197 | 192 | 215 | 179 | 180 | 205 | 228 | 211 | 231 | 298 | 2,725 |
| 8 | 350 | 243 | 212 | 176 | 213 | 161 | 187 | 193 | 250 | 235 | 234 | 290 | 2,744 |
| 9 | 343 | 258 | 207 | 186 | 175 | 213 | 210 | 229 | 235 | 201 | 225 | 255 | 2,737 |
| 10 | 343 | 243 | 195 | 194 | 195 | 167 | 186 | 195 | 214 | 236 | 238 | 296 | 2,702 |
| 11 | 344 | 237 | 193 | 211 | 185 | 158 | 205 | 221 | 232 | 238 | 216 | 274 | 2,714 |
| 12 | 345 | 253 | 198 | 177 | 201 | 200 | 198 | 172 | 223 | 204 | 262 | 264 | 2,697 |
| 13 | 337 | 218 | 183 | 165 | 178 | 174 | 197 | 235 | 242 | 212 | 258 | 265 | 2,664 |
| 14 | 352 | 245 | 170 | 196 | 186 | 189 | 187 | 226 | 237 | 219 | 229 | 265 | 2,701 |
| 15 | 354 | 203 | 180 | 189 | 174 | 195 | 195 | 210 | 219 | 231 | 258 | 243 | 2,651 |
| 16 | 323 | 199 | 212 | 186 | 165 | 192 | 201 | 192 | 233 | 211 | 257 | 239 | 2,610 |
| 17 | 343 | 216 | 210 | 182 | 172 | 213 | 182 | 233 | 234 | 205 | 239 | 262 | 2,691 |
| 18 | 362 | 232 | 213 | 169 | 167 | 186 | 165 | 220 | 229 | 213 | 237 | 282 | 2,675 |
| 19 | 349 | 216 | 192 | 203 | 197 | 193 | 174 | 208 | 257 | 213 | 247 | 260 | 2,709 |
| 20 | 334 | 211 | 193 | 184 | 187 | 217 | 183 | 236 | 215 | 193 | 273 | 320 | 2,746 |
| 21 | 345 | 197 | 175 | 157 | 203 | 191 | 195 | 186 | 226 | 223 | 248 | 283 | 2,629 |
| 22 | 303 | 221 | 176 | 169 | 175 | 201 | 189 | 226 | 230 | 218 | 255 | 286 | 2,649 |
| 23 | 316 | 211 | 173 | 174 | 175 | 203 | 188 | 229 | 213 | 202 | 276 | 263 | 2,623 |
| 24 | 286 | 218 | 173 | 166 | 156 | 173 | 183 | 239 | 237 | 231 | 270 | 280 | 2,612 |
| 25 | 292 | 203 | 204 | 165 | 164 | 205 | 162 | 196 | 205 | 233 | 229 | 254 | 2,512 |
| 26 | 291 | 228 | 185 | 177 | 185 | 176 | 180 | 238 | 198 | 226 | 248 | 257 | 2,589 |
| 27 | 285 | 213 | 171 | 202 | 175 | 192 | 197 | 220 | 208 | 179 | 280 | 240 | 2,562 |
| 28 | 288 | 187 | 179 | 190 | 183 | 183 | 177 | 243 | 247 | 212 | 236 | 252 | 2,577 |
| 29 | 294 | | 189 | 161 | 203 | 192 | 183 | 222 | 244 | 241 | 264 | 272 | 2,465 |
| 30 | 296 | | 207 | 178 | 179 | 184 | 208 | 227 | 216 | 256 | 271 | 286 | 2,508 |
| 31 | 286 | | 181 | | 188 | | 204 | 228 | | 210 | | 276 | 1,573 |
| Total | 10,061 | 6,566 | 6,039 | 5,457 | 5,749 | 5,692 | 5,836 | 6,718 | 6,865 | 6,849 | 7,328 | 8,322 | 81,482 |

**TABLE 2A-4
AGE-SPECIFIC MORTALITY BY PLACE OF DEATH AND DECEDENT STATUS, ARIZONA, 2021**

| | Age | | | | | | | | | | | Un- known | Total | | |
|------------------------|---------------------------|-----|------|-------|-------|--------|--------|--------|--------|---------|---------|--------------|--------|---------|-----|
| | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85+ | | | | |
| IN HOSPITAL | In-patient | 316 | 31 | 45 | 239 | 639 | 1,170 | 2,233 | 4,474 | 6,684 | 6,181 | 3,278 | 0 | 25,290 | |
| | Out-patient ^a | 80 | 45 | 31 | 209 | 344 | 383 | 521 | 693 | 838 | 737 | 421 | 0 | 4,302 | |
| | Died on arrival | 0 | 0 | * | * | * | * | * | * | * | * | * | * | 0 | 20† |
| | Status unknown | 20 | 15 | 32 | 241 | 538 | 836 | 1,411 | 3,403 | 5,960 | 7,584 | 7,349 | 0 | 27,389 | |
| | Subtotal | 416 | 91 | 110† | 690† | 1,520† | 2,390† | 4,170† | 8,570† | 13,490† | 14,510† | 11,050† | 0 | 57,003 | |
| NOT IN HOSPITAL | Nursing home ^b | 10 | 6 | * | 15 | 39 | 122 | 243 | 687 | 1,304 | 1,675 | 1,666 | 0 | 5,770† | |
| | Residence | 0 | 0 | 0 | * | 9 | 34 | 95 | 444 | 1,237 | 2,483 | 4,051 | 0 | 8,350† | |
| | Other ^c | * | 9 | 31 | 435 | 764 | 690 | 783 | 1,067 | 1,359 | 2,042 | 3,159 | 12 | 10,360† | |
| | Unspecified | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Subtotal | 10† | 15 | 30† | 450† | 812 | 846 | 1,121 | 2,198 | 3,900 | 6,200 | 8,876 | 12 | 24,479 | |
| TOTAL | 430 | 106 | 143 | 1,141 | 2,334 | 3,237 | 5,289 | 10,771 | 17,385 | 20,707 | 19,927 | 12 | 81,482 | | |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Includes Emergency Room; ^b Includes other long-term care facilities; ^c Includes hospices.



2B.

LEADING CAUSES OF DEATH

In 2010, the Office of Vital Records (OVR) of the Arizona Department of Health Services implemented the new (version 2003) Standard U.S. death certificate. The new certificate added several new questions: 1) whether tobacco use contributed to the death, and 2) whether, if the decedent was a female, the death was “pregnancy-associated” (defined as death from any cause during pregnancy or within one calendar year of delivery or pregnancy termination).

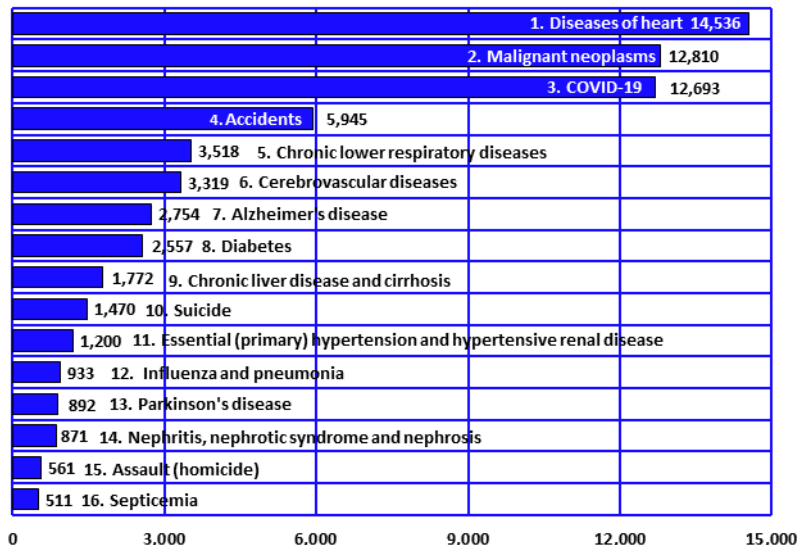
The death certificate now includes a new classification of the decedent’s racial/ethnic status, consistent with the revised federal standards for collecting and reporting racial and ethnic status. These standards were published in the Federal Register on October 30, 1997, as “Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity.” The revised standards are available on the OMB (the Office of Management and Budget) web-site at: <https://www.whitehouse.gov/omb>.

There are now 15 racial categories (including Guamanian or Chamorro; Samoan or Native Hawaiian) to choose from. It is also permitted to indicate more than one race for a decedent. To create frequency counts of race and ethnicity that were adequate to compute statistically reliable mortality rates, race was “bridged”, or essentially collapsed into 5 categories; White non-Hispanic, Hispanic or Latino, Black or African American, Native American or Alaska Native, and Asian or Pacific Islander. When an individual was identified as both Hispanic and any other race, that person was added to the racial/ethnic group with the lowest population. For example, a person identified as both White and Hispanic would be coded as Hispanic, where a person identified as American Indian and Hispanic would be coded as American Indian. Please refer to the technical appendix for further explanation of the racial bridging used in this report.

2B. LEADING CAUSES OF DEATH

Figure 2B-1A
Leading Causes of Death among Arizona Residents in 2021

BASED ON THE NUMBER OF DEATHS DUE TO THE UNDERLYING CAUSE:

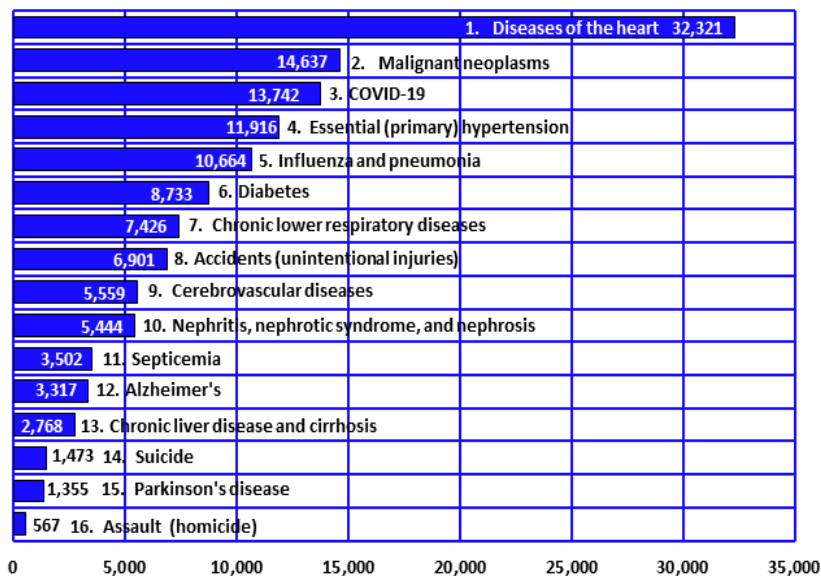


Based on the number of deaths (but not age-adjusted mortality rate), the leading underlying cause of death to Arizona residents in 2021 was *heart disease* (14,536 or 17.8 percent of all deaths), closely followed by *cancer*, which accounted for 12,810 or 15.7 percent of deaths (**Figure 2B-1A, Table 2B-1, Table 5E-14**).

The third leading cause of death, *COVID-19* accounted for 12,693 or 15.6 percent of total deaths. Deaths due to *accidents (unintentional injuries)* ranked fourth in 2021, with 5,945 (7.3 percent) resident deaths reported. Deaths due to *chronic lower respiratory diseases* ranked fifth in 2021, with 3,518 (4.3 percent) resident deaths reported. Together, these five causes accounted for 60.8 percent of total deaths in 2021. The fifteen leading causes accounted for 80.8 percent of all deaths among Arizona residents.

Figure 2B-1B
Leading Causes of Death among Arizona Residents in 2021

BASED ON THE NUMBER OF DEATHS DUE TO ANY MENTION OF A CAUSE:



For the purpose of mortality statistics, every death is attributed to one underlying condition or underlying cause of death. The underlying cause is defined as the disease or injury that initiated the chain of events leading directly to death. It is selected from up to 20 causes and conditions entered by the physician on the death certificate. The totality of all these conditions is known as multiple cause of death.

In addition to 14,536 deaths that had diseases of the heart assigned as the underlying cause, another 17,785 deaths had diseases of the heart assigned as a secondary cause of death. The sum of these two counts (32,321, **Figure 2B-1B**) is the total number of deaths that had any mention of diseases of the heart on the 2021 death certificates. The ranking based on any mention of the 15 diagnostic categories is different from ranking of the leading causes of death based on the underlying cause. In particular, *Essential (primary) hypertension* ranked 11th as the underlying cause but ranked 4th when any mention of it was counted.

2B. LEADING CAUSES OF DEATH
Five Leading Causes by Gender

It is important to note that (Figures 2B-2, 2B-3, 2B-4, and 2B-5) are based on the age-adjusted mortality rates and not on the number of deaths.

In 2021, diseases of the heart were the leading cause of death for White non-Hispanics and Blacks, placed 2nd for Hispanics and Asians, and 3rd for American Indians. Cancer ranked 2nd leading cause of death for White non-Hispanics, 3rd for Hispanics, Black or African Americans, and Asians but ranked 5th for American Indians. In 2021, COVID-19 was the leading cause of death for Hispanics, American Indians, and Asians, 2nd for Black or African Americans, and 3rd for White non-Hispanics. Unintentional injury ranked 2nd for American Indians, 4th for White non-Hispanics, Hispanics, and Blacks, and 5th for Asians. (Figure 2B-2, Table 2B-4).

In 2021, chronic liver disease and cirrhosis was unique to American Indians in making the five top ranking, while cerebrovascular diseases were the 4th leading cause of death specific to Asians and 5th to Black or African Americans. Diabetes ranked 5th among the leading causes of death for Hispanics. Chronic lower respiratory disease was the fifth leading cause of death specific to White non-Hispanics. (Table 2B-4).

Figure 2B-2
Age-adjusted Mortality Rates^a for the Five Leading Causes of Death for Both Genders by Race/Ethnicity, Arizona, 2021

| Rank | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander |
|------|--------------------------------------------|------------------------------|----------------------------------|----------------------------------------------|----------------------------------|
| 1 | Diseases of heart 154.7 | COVID-19 220.5 | Diseases of heart 193.3 | COVID-19 394.4 | COVID-19 120.1 |
| 2 | Cancer 136.0 | Diseases of heart 123.5 | COVID-19 168.5 | Unintentional injury 206.9 | Diseases of heart 97.6 |
| 3 | COVID-19 103.5 | Cancer 110.9 | Cancer 154.4 | Diseases of heart 145.9 | Cancer 94.4 |
| 4 | Unintentional injury 74.8 | Unintentional injury 66.6 | Unintentional injury 101.3 | Chronic liver disease and cirrhosis 145.7 | Cerebrovascular diseases 32.3 |
| 5 | Chronic lower respiratory diseases 39.8 | Diabetes 42.5 | Cerebrovascular diseases 61.9 | Cancer 128.9 | Unintentional injury 30.5 |

Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-3
Age-adjusted Mortality Rates^a for the Five Leading Causes of Death by Race/Ethnicity among Females, Arizona, 2021

Based on age-adjusted mortality rates, diseases of the heart was the leading cause of death for White non-Hispanic females but ranked 3rd for Hispanic, Black or African American, and Asian females. While cancer was the leading cause of death for Black or African American females, it was 2nd to White non-Hispanic, Hispanic, and Asian females, and 4th to American Indians. COVID-19 was the leading cause for Hispanic, American Indian, and Asian females, came in 2nd for Black or African Americans and 3rd for White non-Hispanic females. (Figure 2B-3, Table 2B-4).

Chronic liver disease and cirrhosis ranked second among the leading cause of death unique to American Indian women. Chronic lower respiratory diseases were the fifth leading cause of death specific to White non-Hispanic females.

Cerebrovascular diseases ranked fourth among Hispanic and Asian females, and fifth among Black or African American females. Diabetes ranked fifth among the leading causes of death for Hispanic and Asian women.

| Rank | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander |
|------|--------------------------------------------|----------------------------------|----------------------------------|----------------------------------------------|----------------------------------|
| 1 | Diseases of heart 120.1 | COVID-19 164.0 | Cancer 158.3 | COVID-19 339.8 | COVID-19 92.7 |
| 2 | Cancer 119.6 | Cancer 98.5 | COVID-19 153.8 | Chronic liver disease and cirrhosis 123.9 | Cancer 91.0 |
| 3 | COVID-19 76.7 | Diseases of heart 93.8 | Diseases of heart 136.0 | Unintentional injury 123.8 | Diseases of heart 81.9 |
| 4 | Unintentional injury 47.3 | Cerebrovascular diseases 36.1 | Unintentional injury 63.3 | Cancer 123.2 | Cerebrovascular diseases 33.3 |
| 5 | Chronic lower respiratory diseases 39.5 | Diabetes 35.1 | Cerebrovascular diseases 60.5 | Diseases of heart 97.8 | Diabetes 24.5 |

Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

**2B. LEADING CAUSES OF DEATH
Five Leading Causes by Gender**

**Figure 2B-4
Age-adjusted Mortality Rates^a for the Five Leading Causes of Death
by Race/Ethnicity among Males, Arizona, 2021**

| Rank | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander |
|------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------|------------------------------|
| 1 | Diseases of heart 193.0 | COVID-19 287.5 | Diseases of heart 258.1 | COVID-19 464.6 | COVID-19 159.0 |
| 2 | Cancer 155.4 | Diseases of heart 159.8 | COVID-19 186.3 | Unintentional injury 296.9 | Diseases of heart 119.7 |
| 3 | COVID-19 133.4 | Cancer 128.0 | Cancer 151.7 | Diseases of heart 208.5 | Cancer 100.1 |
| 4 | Unintentional injury 102.0 | Unintentional injury 99.0 | Unintentional injury 138.0 | Chronic liver disease and cirrhosis 170.0 | Unintentional injury 42.0 |
| 5 | Chronic lower respiratory diseases 40.0 | Diabetes 51.6 | Cerebro-vascular diseases 63.0 | Cancer 139.9 | Diabetes 38.6 |

Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Based on age-adjusted mortality rates for Arizona males, diseases of the heart ranked first or second as a leading cause of death for all racial/ethnic groups except for American Indians who ranked third. Cancer was the second leading cause for White non-Hispanic males, third for Hispanic, Black or African American, and Asian, and fifth for American Indian males. (**Figure 2B-4; Table 2B-4**).

Unintentional injury ranked the second leading cause of death for American Indian males, and fourth among White non-Hispanic, Hispanic, Black, and Asian males.

In 2021, based on the age-adjusted mortality rates, COVID-19 was the first leading cause of death for Hispanic, American Indian, and Asian males, second for Black males, and third for White non-Hispanic males. Chronic liver disease and cirrhosis ranked fourth for American Indian males. Chronic lower respiratory diseases specific to White non-Hispanic males and cerebrovascular diseases unique to Black males was ranked the fifth leading cause of death, and also ranked fifth was diabetes among Hispanic and Asian males.

**Figure 2B-5
Age-adjusted Mortality Rates^a for the Five Leading Causes of Death
by Gender in Urban^b and Rural Areas, Arizona, 2021**

| Rank | Urban male | Urban female | Rural male | Rural female |
|------|-----------------------------------|------------------------------|---------------------------------------------|--------------------------------------------|
| 1 | Diseases of heart 184.0 | Cancer 114.6 | Diseases of heart 222.1 | COVID-19 132.7 |
| 2 | COVID-19 163.9 | Diseases of heart 113.2 | COVID-19 217.6 | Cancer 126.0 |
| 3 | Cancer 146.4 | COVID-19 97.8 | Cancer 162.8 | Diseases of heart 126.0 |
| 4 | Unintentional injury 101.3 | Unintentional injury 45.1 | Unintentional injury 141.1 | Unintentional injury 59.0 |
| 5 | Cerebro-vascular diseases 33.7 | Alzheimer's disease 33.9 | Chronic liver disease and cirrhosis 56.2 | Chronic lower respiratory diseases 46.5 |

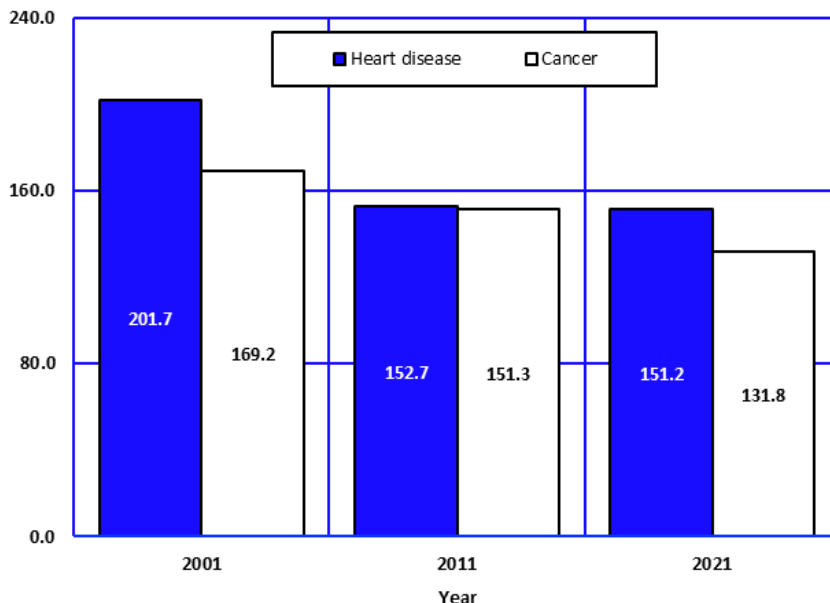
Notes: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard; ^b Urban = Maricopa, Pima, Pinal, and Yuma counties. The remaining counties comprise Arizona's rural areas.

In 2021, the ranking of the leading causes of death were mostly similar by gender for residents of the urban (Maricopa, Pima, Pinal, and Yuma counties) and rural (all the remaining counties) areas of the state (**Figure 2B-5, Table 2B-5**). Diseases of the heart exceeded cancer as the leading causes of death among both urban and rural males, but came in 2nd and 3rd among urban and rural females. COVID-19 was ranked the first among rural females, 2nd among urban and rural males, and third leading cause of death for urban females. Unintentional injury placed fourth among the leading cause for males and females regardless of area of residence.

The leading causes of death which ranked fifth were cerebrovascular disease specific to urban males, Alzheimer's disease unique to urban females, chronic liver disease and cirrhosis was specific to rural males and chronic lower respiratory diseases to rural females.

2B. LEADING CAUSES OF DEATH
Diseases of heart and malignant neoplasm (cancer)

Figure 2B-6
Comparison of Age-adjusted Mortality Rates^a for Heart Disease and Cancer
(Malignant Neoplasm), Arizona, 2001, 2011, and 2021

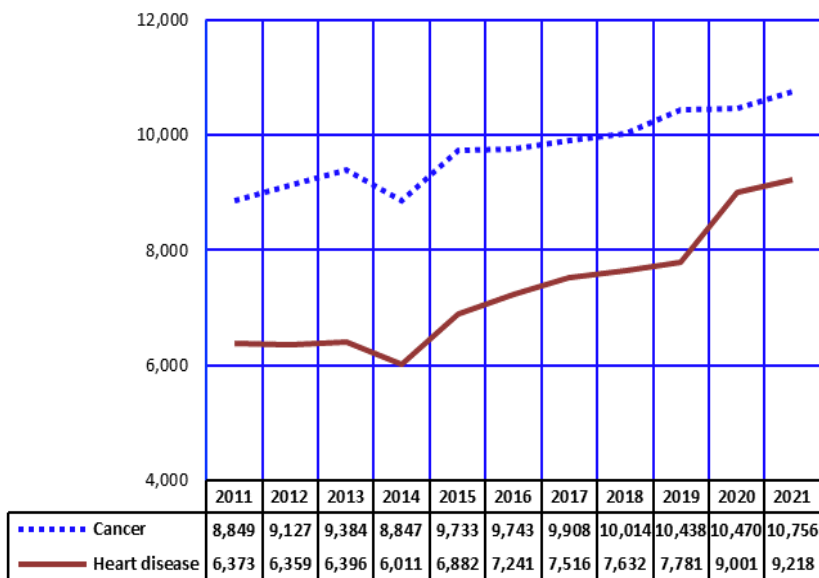


The age-adjusted mortality rate for diseases of the heart decreased by 25.0 percent from 201.7 deaths per 100,000 population in 2001 to 151.2/100,000 in 2021 (**Figure 2B-6**). The age-adjusted mortality rate for cancer declined less, by 22.1 percent, from 2001-2021. In Arizona, the relative risk of death from heart disease versus cancer declined from 19.2 percent greater in 2001 to 14.7 percent in 2021.

In 2011, 119 less Arizonans died from diseases of the heart than cancer (**Table 2B-1**). In 2021, the number of deaths due to diseases of the heart exceeded cancer by 1,726 cases (**Table 2B-4**).

Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

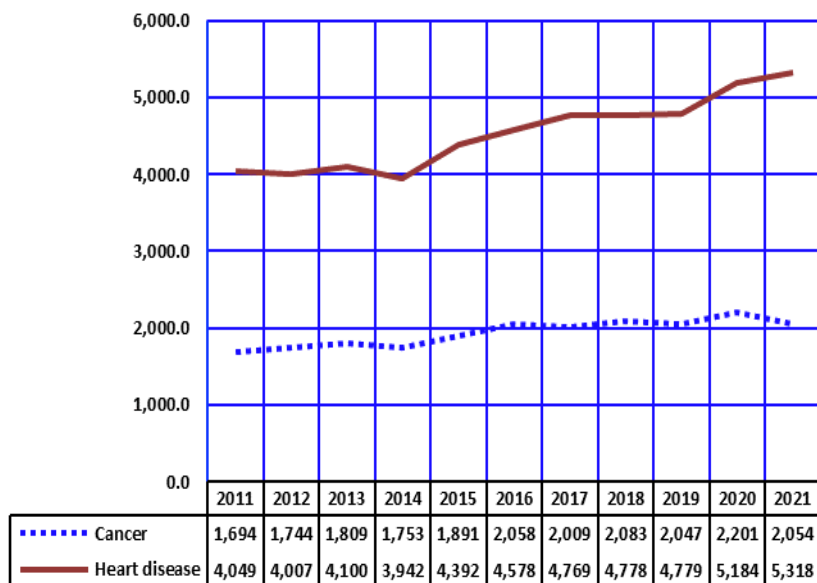
Figure 2B-7
Number of Deaths from Heart Disease and Cancer among
Arizonans 0-84 Years, 2011-2021



For the past several years, cancer has been the number one cause of death among Arizonans aged 0-84 years (**Figure 2B-7**). Beginning in 1996, the annual number of cancer deaths exceeded the number of deaths from heart disease in this age group. In 2021, 1,538 more Arizonans 0-84 years old died from cancer (10,756) than heart disease (9,218).

2B. LEADING CAUSES OF DEATH
Diseases of heart and malignant neoplasm (cancer)

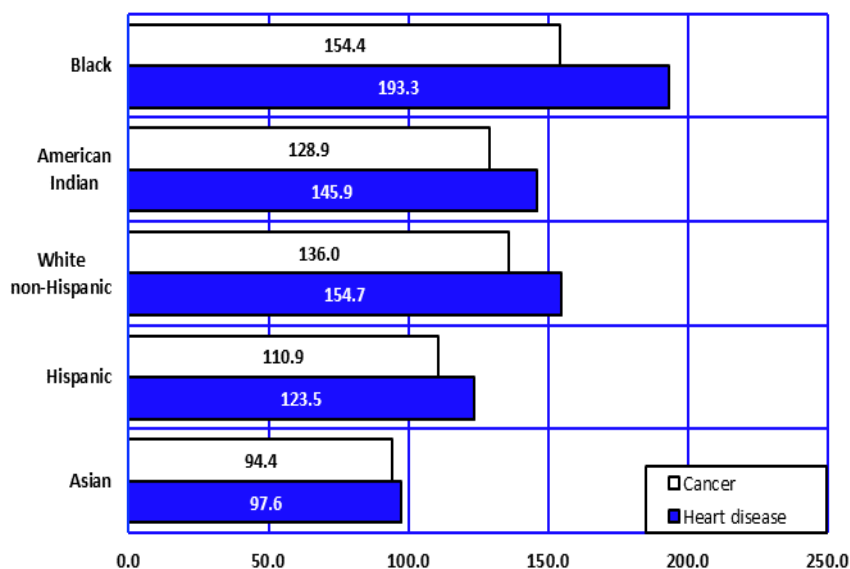
Figure 2B-8
Deaths from Heart Disease and Cancer among Arizonans 85+, 2011-2021



Among Arizonans age 85 and over, heart disease is the number one leading cause of death by a wide margin. In 2021, adults aged 85 and over accounted for 16.0 percent of all deaths from cancer but 36.6 percent of all deaths from heart disease. In 2021, the median age at death for heart disease was 80 years (**Table 2D-3**); and a minority of deaths (38.8 percent, **Table 2D-4**) were premature, i.e., before reaching the expected years of life at birth for all U.S. residents (76.1 years).

However, from 2011 to 2021, the number of deaths from cancer increased by 21.3 percent among Arizonans 85 years or older, less than the increase observed in diseases of the heart (31.3 percent increase).

Figure 2B-9
Age-adjusted Mortality Rates^a for Heart Disease and Cancer by Race/Ethnicity, Arizona, 2021



In Arizona, Black or African Americans were 2.0 times more likely to die from diseases of the heart and 1.6 times more likely to die from malignant neoplasms in 2021 than Asians, the group with the lowest risk of each respective cause of death (**Figure 2B-9, Table 2B-4**). Compared to Asians, White non-Hispanic Arizonans were 1.6 times more likely to die of heart disease and 1.4 times more likely to die of cancer.

In 2021, the age-adjusted relative risk of death from heart disease exceeded cancer mortality risk (**Table 2B-3**) for all the racial/ethnic groups.

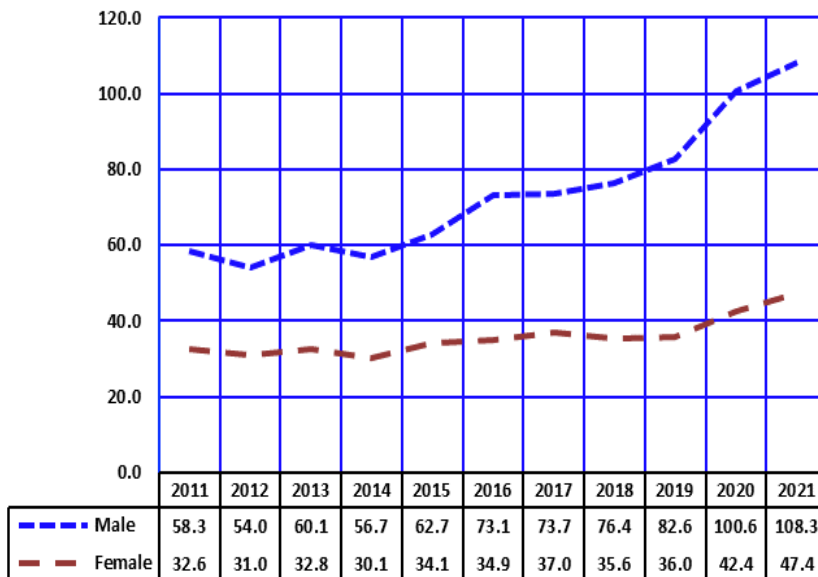
Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

2B. LEADING CAUSES OF DEATH
Accidents (unintentional injury)

Figure 2B-10
Age-adjusted Mortality Rates^a for Accidents (Unintentional Injuries) by Gender and Year, Arizona, 2011-2021

The number of deaths from unintentional injuries increased by 10.6 percent from 5,377 in 2020 to 5,945 in 2021 (**Table 2B-1**). In 2021, based on age-adjusted mortality rates, accidents ranked fourth as a leading cause of death for both males and females (**Table 2B-4**). From 2020 to 2021, the age-adjusted mortality rate for accidents increased both for males (7.7 percent) and females (11.8 percent; **Figure 2B-10**).

In 2021, 1,359 deaths were caused by motor vehicle accidents, an increase of 31.3 percent from 2020. Heat induced mortality has seen a decrease of 7.6 percent between 2020 and 2021. Deaths due to accidental drowning and submersion increased by 16.2 percent from 2020 (n=99) to 2021 (n=115). Additionally, Arizonans experienced an 8.6 percent increase in the number of accidental poisonings due to drugs and/or medications from 2,309 fatalities in 2020 to 2,508 in 2021 (**Table 2B-9**).

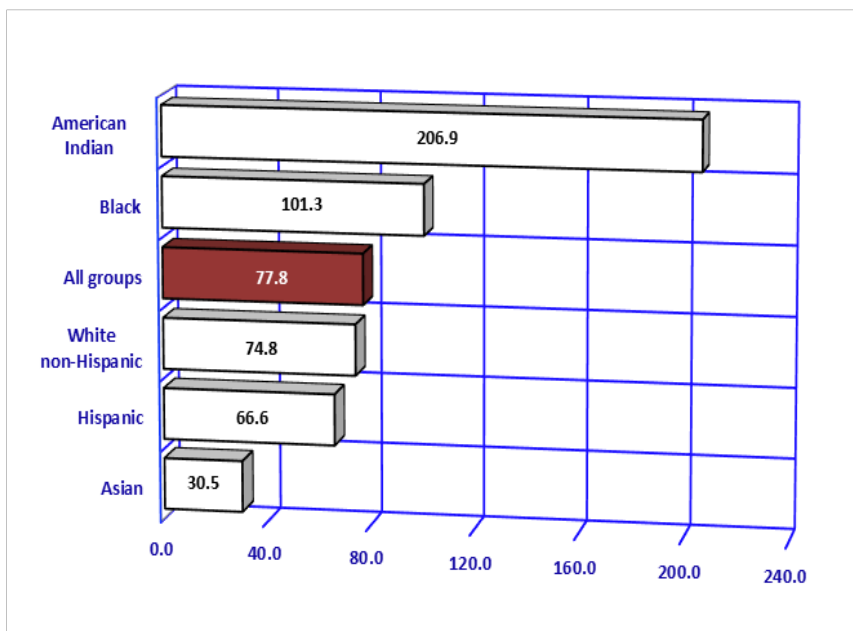


Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-11
Age-adjusted Mortality Rates^a for Accidents (Unintentional Injuries) by Race/Ethnicity, Arizona, 2021

The American Indian death rate for unintentional injuries (206.9/100,000) was 6.8 times greater than the rate for Asians (30.5/100,000), the group with the lowest risk of unintentional injury death among racial/ethnic groups in the state (**Figure 2B-11, Table 2B-4**).

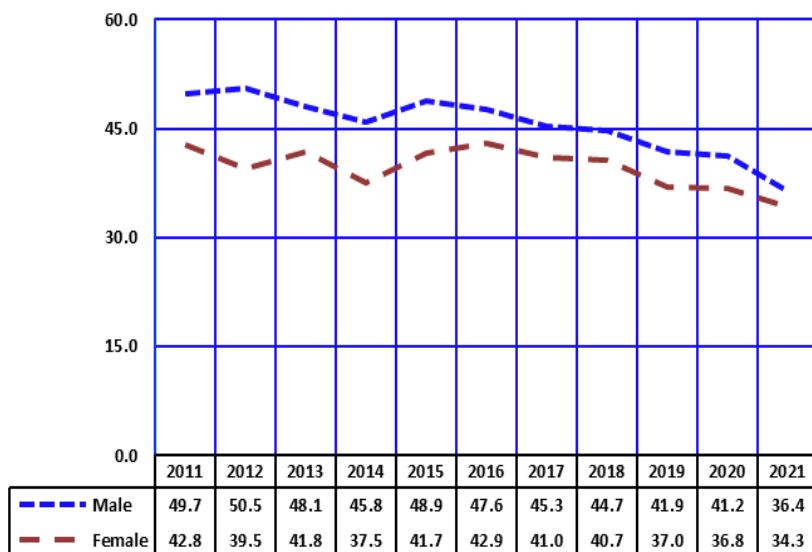
In 2021, Apache (226.3/100,000) and Navajo (168.8/100,000) counties had the two highest age-adjusted mortality rates for unintentional injuries (**Table 5E-11**).



Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

2B. LEADING CAUSES OF DEATH
Chronic lower respiratory diseases

Figure 2B-12
Age-adjusted Mortality Rates^a for Chronic Lower Respiratory Diseases^b by Gender and Year, Arizona, 2011-2021

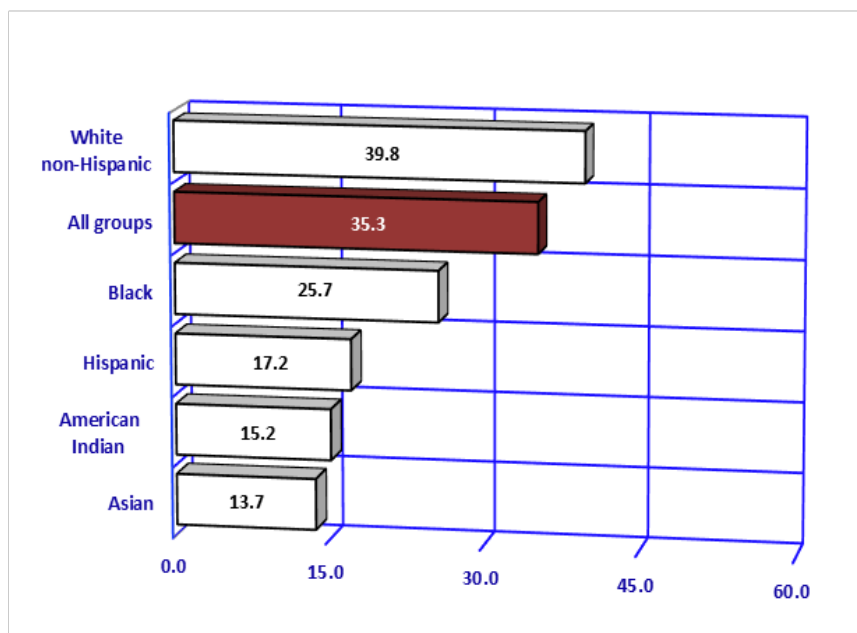


In 2021, chronic lower respiratory diseases (bronchitis, emphysema, asthma) was the 5th leading cause of death among Arizona residents (**Table 2B-1**). The mortality rate for chronic lower respiratory diseases decreased for both genders between 2020 and 2021, but more so among males (11.7 percent) than females (6.8 percent) (**Figure 2B-12, Table 2B-2**).

Among genders and regional groups, rural males and females experienced the highest mortality due to chronic lower respiratory diseases with rates of 49.5/100,000 and 46.5/100,000, respectively) (**Table 2B-5**).

Notes: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard; ^b This ICD-10 title corresponds to Chronic Obstructive Pulmonary Disease (ICD-9 title).

Figure 2B-13
Age-adjusted Mortality Rates^a for Chronic Lower Respiratory Diseases by Race/Ethnicity, Arizona, 2021



Mortality rates for emphysema, chronic bronchitis, asthma, and other lower respiratory disorders were highest among White non-Hispanics (39.8 deaths per 100,000) when compared to any other racial/ethnic groups in 2021. Asians recorded the lowest rate at 13.7 deaths per 100,000 population (**Figure 2B-13, Table 2B-4**).

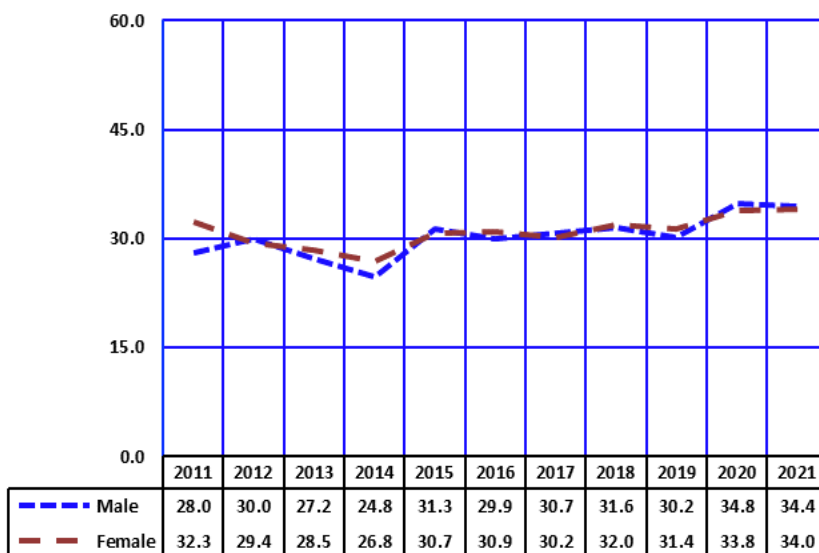
Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

2B. LEADING CAUSES OF DEATH
Cerebrovascular diseases

Figure 2B-14
Age-adjusted Mortality Rates^a for Cerebrovascular Disease by Gender and Year, Arizona, 2011-2021

Cerebrovascular disease and diseases of the heart are two of the leading causes of death that share many risk factors such as hypertension, smoking, obesity, and high levels of cholesterol. The age-adjusted mortality rate for cerebrovascular diseases decreased by 0.6 percent from 34.6/100,000 in 2020 to 34.4 deaths per 100,000 population in 2021 (**Table 2B-2**).

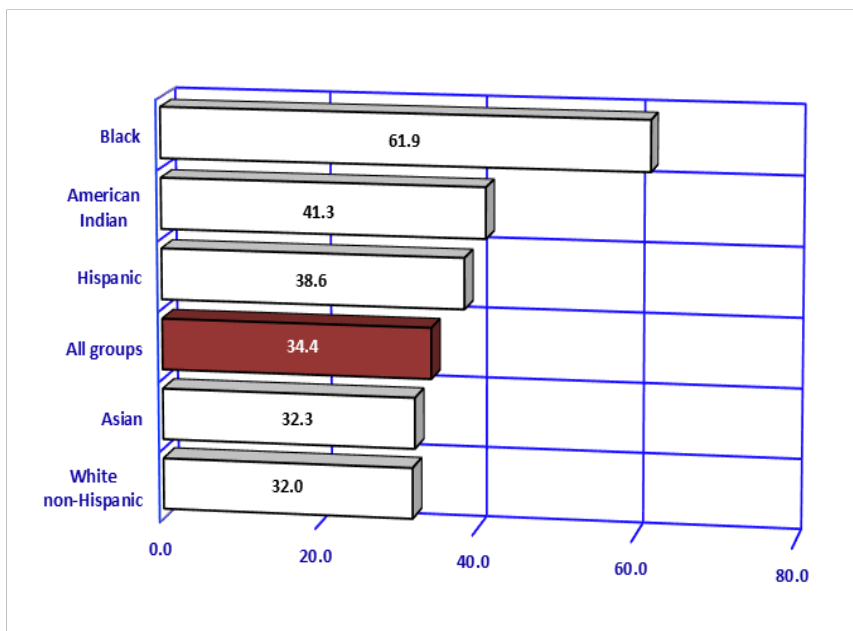
With some exceptions, the risk of dying from cerebrovascular diseases was slightly higher among females than males for the period 2011-2021 (6 of the last 11 years), but the rates were very similar. (**Figure 2B-14**, **Table 2B-2**).



Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-15
Age-adjusted Mortality Rates^a for Cerebrovascular Disease by Race/Ethnicity, Arizona, 2021

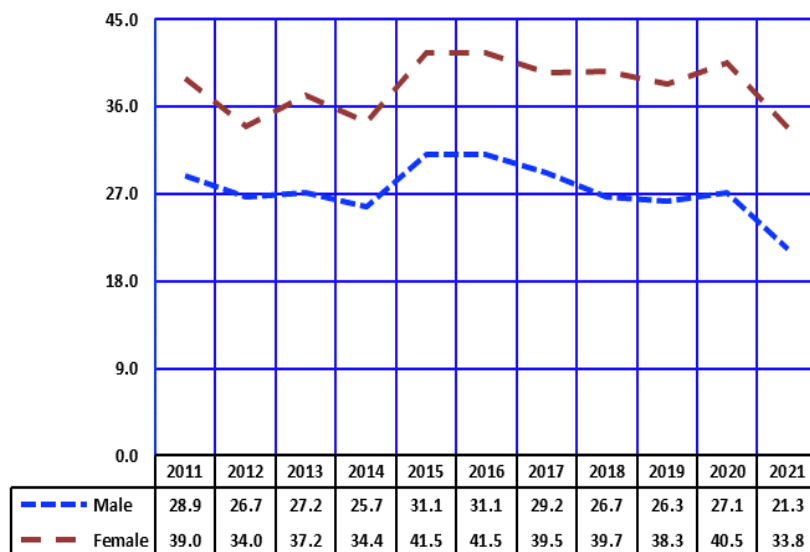
Compared to Arizona's overall rate, Black or African Americans were 1.8 times more likely to die from cerebrovascular disease in 2021 (**Figure 2B-15**, **Table 2B-4**). The 2021 mortality rate for cerebrovascular disease among White non-Hispanics (32.0/100,000) was the lowest among racial/ethnic groups.



Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

2B. LEADING CAUSES OF DEATH
Alzheimer's disease

Figure 2B-16
Age-adjusted Mortality Rates^a for Alzheimer's Disease by Gender and Year, Arizona, 2011-2021

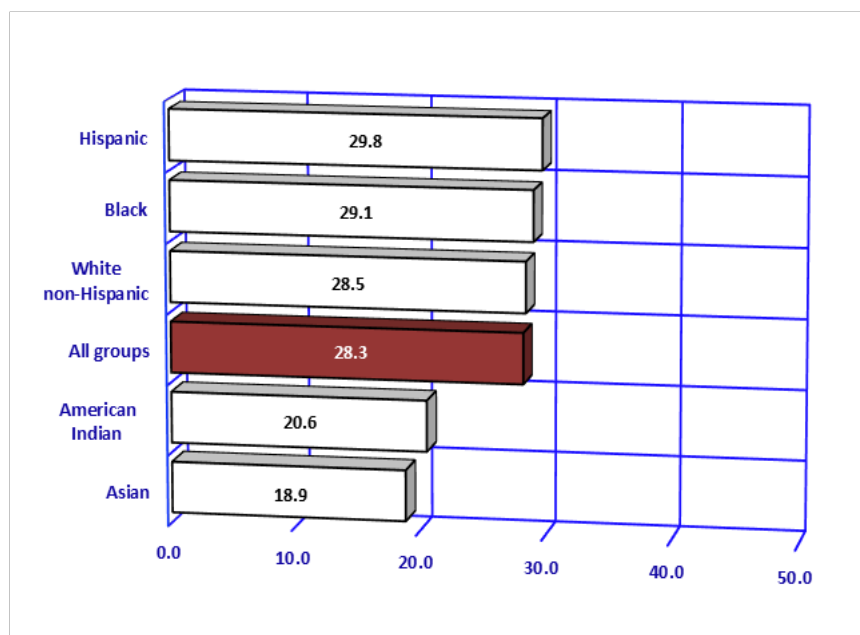


Based on the age-adjusted rate of deaths in 2021, Alzheimer's disease was the 7th leading cause of death for females and 10th leading cause for males (Table 2B-4).

From 2020 to 2021, the age-adjusted mortality rate for Alzheimer's disease decreased for both males (21.4 percent) and females (16.5 percent) (Figure 2B-16).

Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-17
Age-adjusted Mortality Rates^a for Alzheimer's Disease by Race/Ethnicity, Arizona, 2021



Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The age-adjusted mortality rates for Alzheimer's disease in 2021 were higher among Hispanic or Latinos (29.8/100,000), Black or African Americans (29.1/100,000), and White non-Hispanics (28.5/100,000) than the other racial/ethnic groups. Rates lower than the state average (28.3/100,000) were recorded among Asians (18.9/100,000) and American Indians (20.6/100,000) (Figure 2B-17, Table 2B-4).

White non-Hispanic residents of Arizona disproportionately contributed to mortality from Alzheimer's disease. In 2021, White non-Hispanics accounted for 55.0 percent (Table 10C-1) of the state's population, but 82.4 percent of all deaths from Alzheimer's disease (2,268 out of 2,754; Table 2B-4).

In 2021, the overall median age at death from Alzheimer's disease was 86, specifically 85 years for males and 87 years for females (Table 2D-3).

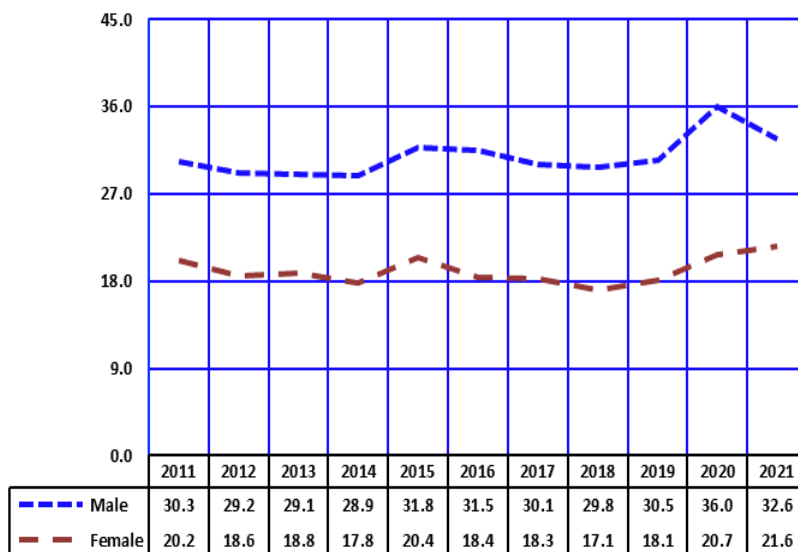
2B. LEADING CAUSES OF DEATH
Diabetes

Figure 2B-18
Age-adjusted Mortality Rates^a for Diabetes by Gender and Year, Arizona, 2011-2021

From 2011-2021, mortality rates for diabetes increased for both males (7.6 percent) and females (6.9 percent; **Figure 2B-18**).

In addition to 2,557 deaths that had diabetes assigned as the underlying cause in 2021, another 6,176 deaths had diabetes assigned as a contributing factor. The diabetes-related death rate of 91.3/100,000 (**Table 6A-6**) was 3.4 times greater than the rate for diabetes as an underlying cause (26.8/100,000; **Table 2B-2**).

The diabetes-related death rate includes all mentions of diabetes on the death certificate as the underlying or other than underlying cause.

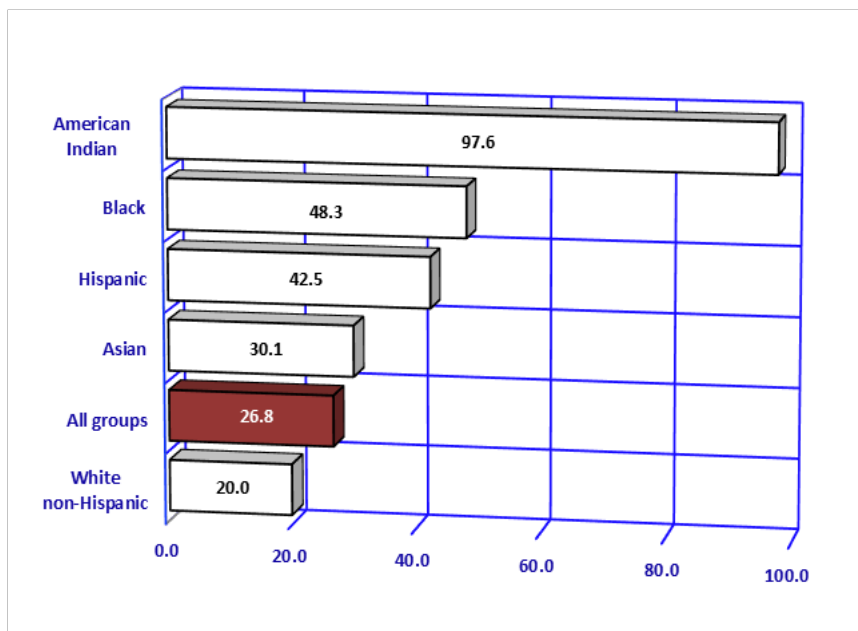


Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-19
Age-adjusted Mortality Rates^a for Diabetes by Race/Ethnicity, Arizona, 2021

In 2021, compared to Arizona's rate, American Indians were 3.6 times more likely to die from diabetes (97.6 deaths per 100,000; **Figure 2B-19, Table 2B-4**). The rate of 20.0 deaths per 100,000 among White non-Hispanics was the lowest rate among all racial/ethnic groups in the state.

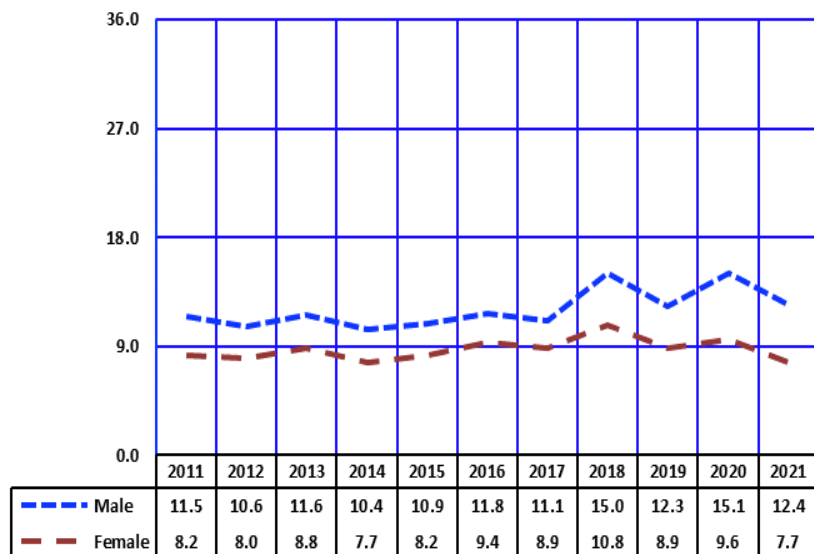
Among the 15 Arizona counties, Gila (54.1/100,000) and Graham (53.4/100,000) counties had the highest mortality rates for diabetes recorded in 2021 (**Table 5E-11**).



Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

2B. LEADING CAUSES OF DEATH
Influenza and pneumonia

Figure 2B-20
Age-adjusted Mortality Rates^a for Influenza and Pneumonia by Gender and Year, Arizona, 2011-2021



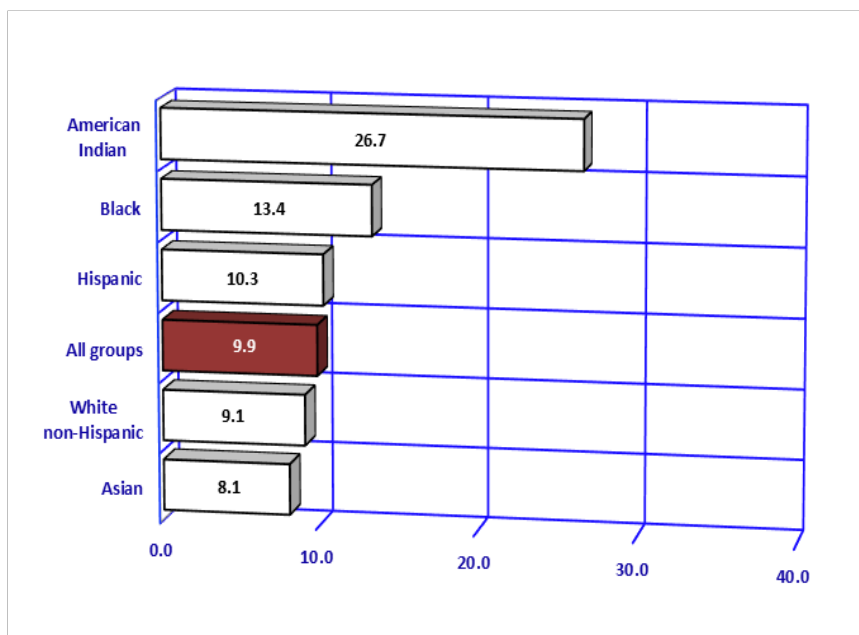
The number of deaths from influenza and pneumonia increased by 43.8 percent from 649 in 2011 to 933 in 2021. (Table 2B-1). Among the 933 deaths, influenza was identified as the underlying cause for 9 of them, while pneumonia was listed as the underlying cause on 924 death certificates (Table 2B-6).

The mortality rate for influenza and pneumonia decreased for females from 9.6 deaths per 100,000 in 2020 to 7.7 deaths in 2021 (Figure 2B-20, Table 2B-2). The mortality rate for influenza and pneumonia also decreased for males from 15.1 per 100,000 in 2020 to 12.4 deaths per 100,000 in 2021.

In 2021, the age-adjusted mortality rate for Arizona males was 61.0 percent greater than that of Arizona females.

Note: ^a Number of deaths per 100,000 population age-adjusted 2000 U.S. standard.

Figure 2B-21
Age-adjusted Mortality Rates^a for Influenza and Pneumonia by Race/Ethnicity, Arizona, 2021



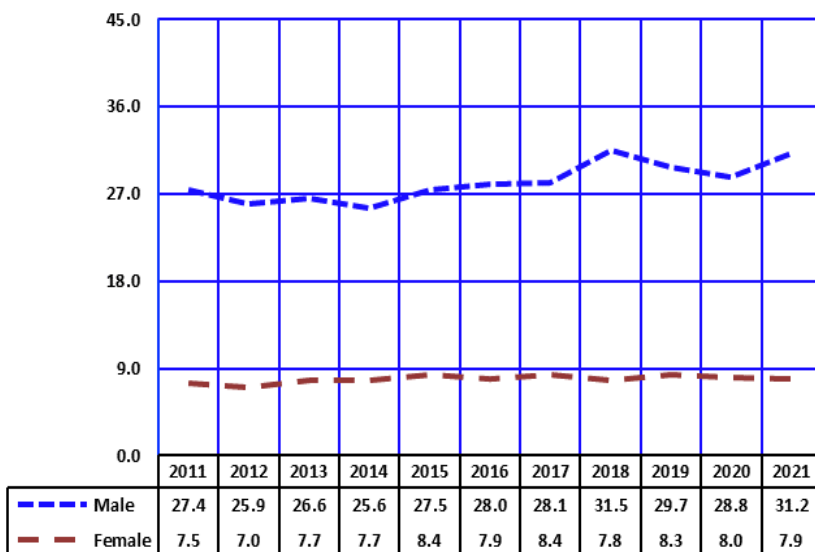
In 2021, American Indian residents of Arizona had the highest mortality rate for influenza and pneumonia (26.7 deaths per 100,000) among the racial/ethnic groups. Mortality due to influenza and pneumonia for White non-Hispanics (9.1/100,000) and Asians (8.1/100,000) were lower than the state rate. (Figure 2B-21, Table 2B-4).

County comparisons show that in 2021 influenza and pneumonia mortality rates were highest in Apache (28.5/100,000), Navajo (18.4/100,000), and La Paz (18.0/100,000) counties compared to the remaining counties (Table 5E-11).

Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

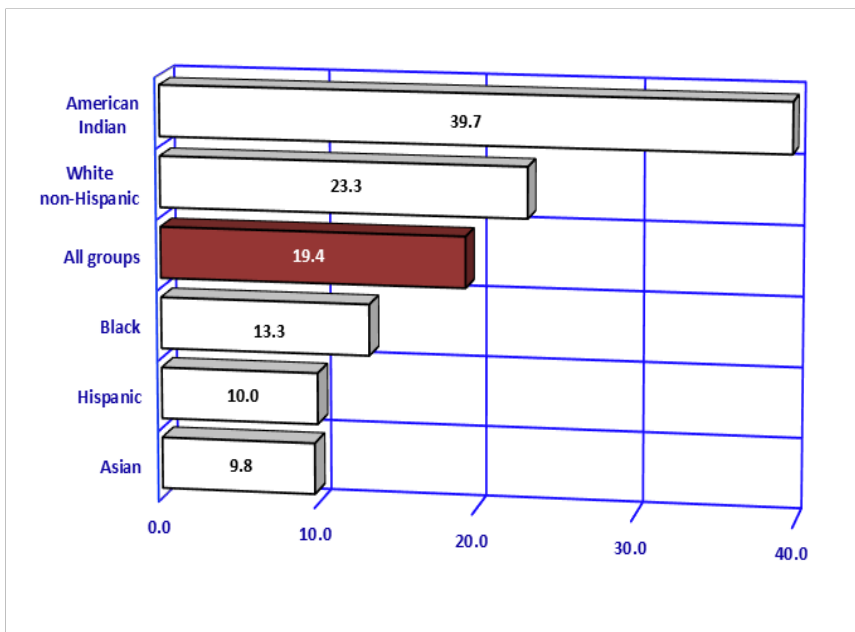
2B. LEADING CAUSES OF DEATH
Suicide

Figure 2B-22
Age-adjusted Mortality Rates^a for Suicide by Gender and Year, Arizona, 2011-2021



Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-23
Age-adjusted Mortality Rates^a for Suicide by Race/Ethnicity, Arizona, 2021



Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

In 2021, based on age-adjusted mortality rates, suicide was the 8th leading cause of death among males. It ranked as the 11th cause of mortality for females. The overall age-adjusted suicide rate decreased from 18.2 suicides per 100,000 in 2020 to 19.4 in 2021 (**Table 2B-4**).

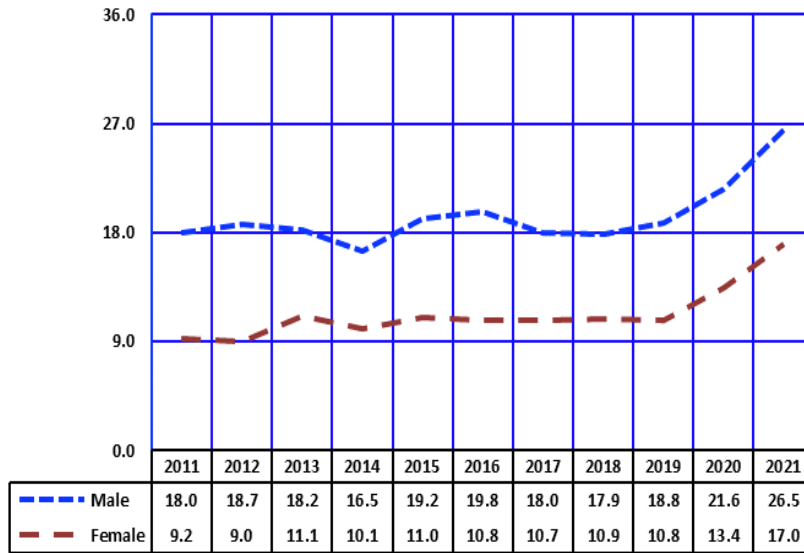
From 2020 to 2021, suicide mortality increased by 8.3 percent among males and decreased 1.3 percent among females (**Figure 2B-22, Table 2B-4**). In 2021, suicide posed a 3.9 times greater mortality risk for males (31.2/100,000) than for females (7.9/100,000).

In 2021, American Indians had the highest age-adjusted suicide rate (39.7 suicides per 100,000) among racial/ethnic groups, followed by White non-Hispanics (23.3/100,000), while Asians recorded the lowest age-adjusted suicide rate (9.8/100,000; **Figure 2B-23, Table 2B-4**).

The 2021 age-adjusted mortality rates for suicide varied across the state, from a low rate of 7.9 suicides per 100,000 residents in Santa Cruz County to a high of 65.1 suicides per 100,000 residents in Apache County (**Table 5E-11**).

2B. LEADING CAUSES OF DEATH
Chronic liver disease and cirrhosis

Figure 2B-24
Age-adjusted Mortality Rates^a for Chronic Liver Disease and Cirrhosis
by Gender and Year, Arizona, 2011-2021



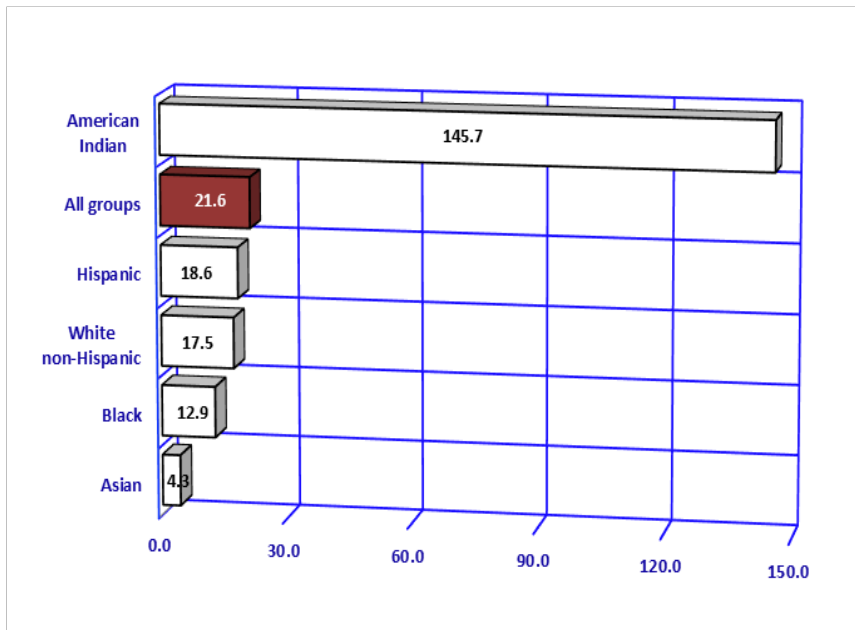
Chronic liver disease and cirrhosis was the 9th leading cause of death in Arizona in 2021 (**Figure 2B-1, Table 2B-1**). Among the 1,772 deaths due to chronic liver disease and cirrhosis, 1,061 (59.9 percent) were males (**Table 2B-4**).

Among females, the age-adjusted mortality rate for chronic liver disease and cirrhosis increased 26.9 percent from 2020 to 2021. Among males, the mortality rate increased 22.7 percent from 21.6/100,000 in 2020 to 26.5/100,000 in 2021 (**Figure 2B-24, Table 2B-3**).

In 2021, Apache, Gila, Navajo, and La Paz counties had the highest mortality rates for chronic liver disease and cirrhosis (**Table 5E-11**).

Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-25
Age-adjusted Mortality Rates^a for Chronic Liver Disease and Cirrhosis
by Race/Ethnicity, Arizona, 2021



In 2021, chronic liver disease and cirrhosis mortality rate was exceedingly high among American Indians (145.7 deaths per 100,000 population) compared to other racial/ethnic groups in the state (**Figure 2B-25, Table 2B-4**). The death rate for chronic liver disease and cirrhosis among Asians, Blacks, White non-Hispanics, and Hispanics were all below the state average (21.6 deaths per 100,000 population).

Compared to the median age at death from all causes (74 years), those who died from chronic liver disease and cirrhosis were on average 16 years younger (58 years, **Table 2D-3**). In 2021, the median age at death of American Indians who died from chronic liver disease and cirrhosis was 47 years, which was at least 11 years younger than all the other race/ethnic groups (**Table 2D-3**).

Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

**TABLE 2B-1
NUMBER OF DEATHS FOR THE LEADING CAUSES OF MORTALITY BY YEAR, ARIZONA, 2011-2021**

| Rank in 2011 | Rank in 2021 | Cause of death | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------|--------------|---------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2 | 1 | Diseases of heart | 10,424 | 10,366 | 10,497 | 9,953 | 11,274 | 11,820 | 12,285 | 12,410 | 12,560 | 14,185 | 14,536 |
| 1 | 2 | Malignant neoplasms | 10,543 | 10,871 | 11,193 | 10,600 | 11,624 | 11,801 | 11,917 | 12,097 | 12,485 | 12,671 | 12,810 |
| - | 3 | COVID-19 | - | - | - | - | - | - | - | - | - | 8,430 | 12,693 |
| 4 | 4 | Accidents (unintentional injury) | 2,959 | 2,804 | 3,137 | 3,011 | 3,403 | 3,899 | 4,085 | 4,211 | 4,522 | 5,377 | 5,945 |
| 3 | 5 | Chronic lower respiratory diseases | 3,143 | 3,167 | 3,295 | 3,185 | 3,648 | 3,788 | 3,779 | 3,820 | 3,678 | 3,698 | 3,518 |
| 6 | 6 | Cerebrovascular diseases | 2,067 | 2,096 | 2,047 | 1,995 | 2,463 | 2,536 | 2,647 | 2,829 | 2,848 | 3,225 | 3,319 |
| 5 | 7 | Alzheimer's disease | 2,336 | 2,154 | 2,384 | 2,345 | 2,942 | 3,081 | 3,050 | 3,011 | 3,045 | 3,235 | 2,754 |
| 7 | 8 | Diabetes | 1,721 | 1,698 | 1,744 | 1,776 | 2,050 | 2,013 | 2,037 | 2,041 | 2,170 | 2,563 | 2,557 |
| 9 | 9 | Chronic liver disease and cirrhosis | 933 | 971 | 1,040 | 984 | 1,120 | 1,169 | 1,122 | 1,159 | 1,211 | 1,426 | 1,772 |
| 8 | 10 | Intentional self-harm (suicide) | 1,113 | 1,070 | 1,116 | 1,124 | 1,233 | 1,256 | 1,304 | 1,432 | 1,411 | 1,359 | 1,470 |
| 10 | 11 | Essential primary hypertension and hypertensive renal disease | 725 | 739 | 711 | 758 | 896 | 1,010 | 1,018 | 928 | 1,009 | 1,131 | 1,200 |
| 11 | 12 | Influenza and pneumonia | 649 | 635 | 724 | 669 | 739 | 859 | 852 | 1,113 | 947 | 1,109 | 933 |
| 12 | 13 | Parkinson's disease | 545 | 579 | 578 | 569 | 719 | 712 | 749 | 790 | 806 | 1,016 | 892 |
| 13 | 14 | Nephritis, nephrotic syndrome and nephrosis | 409 | 440 | 391 | 353 | 498 | 485 | 535 | 680 | 759 | 772 | 871 |
| 14 | 15 | Assault (homicide) | 387 | 376 | 383 | 294 | 364 | 416 | 430 | 416 | 409 | 526 | 561 |
| 15 | 16 | Septicemia | 321 | 319 | 354 | 336 | 436 | 505 | 461 | 382 | 339 | 425 | 511 |
| | | ALL CAUSES | 47,547 | 48,459 | 49,929 | 51,074 | 54,152 | 56,480 | 57,261 | 59,206 | 60,161 | 75,700 | 81,482 |

Notes: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2011-2021 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999. The group titles, such as cardiovascular diseases, infectious and parasitic diseases, or other cardiovascular diseases are not ranked to determine the leading causes of death.

**TABLE 2B-2
AGE-ADJUSTED MORTALITY RATES* BY GENDER AND YEAR FOR SELECTED LEADING CAUSES OF DEATH,
ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| TOTAL, ALL CAUSES | | | | | | | | | | | |
| Total | 699.6 | 687.2 | 687.8 | 676.0 | 691.3 | 696.6 | 679.3 | 688.6 | 676.6 | 842.2 | 882.6 |
| Male | 817.1 | 811.0 | 805.8 | 791.2 | 811.5 | 824.8 | 800.0 | 813.4 | 799.6 | 1002.1 | 1057.1 |
| Female | 595.3 | 579.2 | 583.8 | 572.8 | 583.3 | 581.1 | 568.7 | 573.5 | 562.9 | 694.1 | 721.2 |
| CARDIOVASCULAR DISEASE | | | | | | | | | | | |
| Total | 201.0 | 193.3 | 187.7 | 171.6 | 189.0 | 190.8 | 189.9 | 188.4 | 184.9 | 205.3 | 203.4 |
| Male | 239.2 | 233.6 | 229.0 | 206.9 | 226.7 | 230.7 | 228.6 | 225.2 | 221.2 | 246.9 | 244.8 |
| Female | 168.0 | 159.1 | 152.4 | 140.7 | 156.1 | 155.9 | 155.5 | 155.6 | 152.4 | 167.8 | 166.2 |
| -----DISEASES OF HEART | | | | | | | | | | | |
| Total | 152.7 | 145.8 | 143.0 | 129.9 | 141.3 | 142.5 | 141.9 | 140.5 | 137.3 | 152.9 | 151.2 |
| Male | 192.8 | 184.4 | 183.6 | 164.1 | 177.1 | 180.5 | 179.4 | 176.3 | 172.5 | 192.2 | 191.3 |
| Female | 119.0 | 113.7 | 109.2 | 100.5 | 110.5 | 109.8 | 109.3 | 109.1 | 106.3 | 118.1 | 115.7 |
| -----CEREBROVASCULAR DISEASE | | | | | | | | | | | |
| Total | 30.6 | 29.9 | 28.2 | 26.2 | 31.1 | 30.7 | 30.7 | 32.1 | 31.0 | 34.6 | 34.4 |
| Male | 28.0 | 30.0 | 27.2 | 24.8 | 31.3 | 29.9 | 30.7 | 31.6 | 30.2 | 34.8 | 34.4 |
| Female | 32.3 | 29.4 | 28.5 | 26.8 | 30.7 | 30.9 | 30.2 | 32.0 | 31.4 | 33.8 | 34.0 |
| MALIGNANT NEOPLASMS | | | | | | | | | | | |
| Total | 151.3 | 149.8 | 149.6 | 136.3 | 144.0 | 140.7 | 136.6 | 135.9 | 134.7 | 134.7 | 131.8 |
| Male | 179.3 | 180.3 | 175.0 | 160.8 | 169.0 | 166.3 | 161.0 | 161.8 | 156.7 | 156.1 | 150.3 |
| Female | 129.5 | 125.9 | 129.9 | 116.8 | 123.8 | 120.0 | 116.6 | 114.7 | 116.4 | 117.2 | 116.7 |
| CHRONIC LOWER RESPIRATORY DISEASE | | | | | | | | | | | |
| Total | 45.9 | 44.2 | 44.5 | 41.1 | 45.1 | 45.0 | 43.0 | 42.6 | 39.2 | 38.8 | 35.3 |
| Male | 49.7 | 50.5 | 48.1 | 45.8 | 48.9 | 47.6 | 45.3 | 44.7 | 41.9 | 41.2 | 36.4 |
| Female | 42.8 | 39.5 | 41.8 | 37.5 | 41.7 | 42.9 | 41.0 | 40.7 | 37.0 | 36.8 | 34.3 |
| ACCIDENTS (UNINTENTIONAL INJURIES) | | | | | | | | | | | |
| Total | 45.5 | 42.4 | 46.3 | 43.3 | 48.1 | 53.7 | 55.3 | 55.9 | 59.2 | 71.5 | 77.8 |
| Male | 58.3 | 54.0 | 60.1 | 56.7 | 62.7 | 73.1 | 73.7 | 76.4 | 82.6 | 100.6 | 108.3 |
| Female | 32.6 | 31.0 | 32.8 | 30.1 | 34.1 | 34.9 | 37.0 | 35.6 | 36.0 | 42.4 | 47.4 |
| -----MOTOR VEHICLE ACCIDENTS | | | | | | | | | | | |
| Total | 12.1 | 11.4 | 11.4 | 10.3 | 12.6 | 13.9 | 13.8 | 14.1 | 13.1 | 14.0 | 18.4 |
| Male | 17.6 | 16.8 | 16.3 | 14.5 | 18.0 | 20.1 | 19.5 | 20.0 | 18.9 | 20.2 | 25.7 |
| Female | 6.9 | 6.3 | 6.6 | 6.0 | 7.2 | 7.8 | 8.2 | 8.3 | 7.5 | 7.8 | 11.2 |
| INFLUENZA AND PNEUMONIA | | | | | | | | | | | |
| Total | 9.7 | 9.1 | 10.0 | 8.9 | 9.4 | 10.4 | 9.9 | 12.7 | 10.4 | 12.2 | 9.9 |
| Male | 11.5 | 7.4 | 11.6 | 10.4 | 10.9 | 11.8 | 11.1 | 15.0 | 12.3 | 15.1 | 12.4 |
| Female | 8.2 | 5.6 | 8.8 | 7.7 | 8.2 | 9.4 | 8.9 | 10.8 | 8.9 | 9.6 | 7.7 |

**TABLE 2B-2 (continued)
AGE-ADJUSTED MORTALITY RATES^a BY GENDER AND YEAR FOR SELECTED LEADING CAUSES OF DEATH,
ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|
| COVID-19 | | | | | | | | | | | |
| Total | - | - | - | - | - | - | - | - | - | 92.1 | 136.9 |
| Male | - | - | - | - | - | - | - | - | - | 118.3 | 174.0 |
| Female | - | - | - | - | - | - | - | - | - | 69.2 | 103.7 |
| ALZHEIMER'S DISEASE | | | | | | | | | | | |
| Total | 35.2 | 29.9 | 33.2 | 30.9 | 37.3 | 37.3 | 35.2 | 34.3 | 33.2 | 34.7 | 28.3 |
| Male | 28.9 | 41.5 | 27.2 | 25.7 | 31.1 | 31.1 | 29.2 | 26.7 | 26.3 | 27.1 | 21.3 |
| Female | 39.0 | 52.8 | 37.2 | 34.4 | 41.5 | 41.5 | 39.5 | 39.7 | 38.3 | 40.5 | 33.8 |
| DIABETES | | | | | | | | | | | |
| Total | 24.8 | 23.5 | 23.6 | 23.0 | 25.7 | 24.5 | 23.8 | 23.0 | 23.9 | 27.9 | 26.8 |
| Male | 30.3 | 29.2 | 29.1 | 28.9 | 31.8 | 31.5 | 30.1 | 29.8 | 30.5 | 36.0 | 32.6 |
| Female | 20.2 | 18.6 | 18.8 | 17.8 | 20.4 | 18.4 | 18.3 | 17.1 | 18.1 | 20.7 | 21.6 |
| CHRONIC LIVER DISEASE AND CIRRHOSIS | | | | | | | | | | | |
| Total | 13.4 | 13.6 | 14.5 | 13.2 | 14.9 | 15.1 | 14.2 | 14.2 | 14.7 | 17.4 | 21.6 |
| Male | 18.0 | 18.7 | 18.2 | 16.5 | 19.2 | 19.8 | 18.0 | 17.9 | 18.8 | 21.6 | 26.5 |
| Female | 9.2 | 9.0 | 11.1 | 10.1 | 11.0 | 10.8 | 10.7 | 10.9 | 10.8 | 13.4 | 17.0 |
| NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS | | | | | | | | | | | |
| Total | 6.0 | 6.2 | 5.3 | 4.6 | 6.3 | 5.8 | 6.2 | 7.7 | 8.3 | 8.4 | 9.1 |
| Male | 7.2 | 8.9 | 6.1 | 5.2 | 7.7 | 6.9 | 7.7 | 9.0 | 10.3 | 9.8 | 10.6 |
| Female | 5.1 | 6.7 | 4.8 | 4.2 | 5.2 | 4.9 | 4.9 | 6.7 | 6.5 | 7.2 | 7.9 |
| INTENTIONAL SELF-HARM (SUICIDE) | | | | | | | | | | | |
| Total | 17.2 | 16.2 | 17.0 | 16.5 | 17.8 | 17.7 | 18.0 | 19.5 | 18.9 | 18.2 | 19.4 |
| Male | 27.4 | 25.9 | 26.6 | 25.6 | 27.5 | 28.0 | 28.1 | 31.5 | 29.7 | 28.8 | 31.2 |
| Female | 7.5 | 7.0 | 7.7 | 7.7 | 8.4 | 7.9 | 8.4 | 7.8 | 8.3 | 8.0 | 7.9 |
| ASSAULT (HOMICIDE) | | | | | | | | | | | |
| Total | 6.1 | 5.9 | 5.9 | 4.6 | 5.6 | 6.3 | 6.4 | 6.1 | 5.9 | 7.7 | 8.1 |
| Male | 9.6 | 8.6 | 9.2 | 7.1 | 8.6 | 9.9 | 10.0 | 9.8 | 9.1 | 12.1 | 13.2 |
| Female | 2.6 | 3.1 | 2.5 | 2.1 | 2.5 | 2.5 | 2.8 | 2.4 | 2.6 | 3.2 | 2.9 |
| SEPTICEMIA | | | | | | | | | | | |
| Total | 4.7 | 4.5 | 4.8 | 4.4 | 5.4 | 6.2 | 5.5 | 4.4 | 3.8 | 4.7 | 5.4 |
| Male | 5.4 | 6.1 | 5.6 | 5.0 | 6.4 | 7.1 | 5.9 | 5.0 | 4.4 | 5.1 | 6.1 |
| Female | 4.0 | 4.8 | 4.3 | 4.0 | 4.6 | 5.5 | 5.1 | 3.9 | 3.3 | 4.4 | 4.8 |

Notes: ^a The number of deaths per 100,000 population adjusted to the 2000 U.S. standard. The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). Beginning in 2000, the causes of death are classified by ICD-10.

**TABLE 2B-3
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2021**

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|--------------------------------|------------|--------|-------|--------------------|-------|-------|--------------------|--------|-------|---------------------------|--------|--------|----------------------------------|--------|--------|---------------------------|--------|-------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| Total, all causes | | | | | | | | | | | | | | | | | | |
| 2000 | 785.6 | 941.1 | 654.6 | 776.6 | 930.6 | 647.3 | 769.9 | 926.0 | 642.4 | 1057.5 | 1263.1 | 890.3 | 1011.4 | 1240.4 | 818.7 | 504.1 | 544.0 | 451.5 |
| 2001 | 791.2 | 952.4 | 656.7 | 778.1 | 936.3 | 647.1 | 787.6 | 958.7 | 644.5 | 1050.6 | 1211.7 | 923.5 | 1010.5 | 1213.3 | 836.9 | 560.7 | 592.9 | 517.2 |
| 2002 | 796.4 | 964.8 | 658.0 | 786.7 | 948.7 | 654.4 | 811.1 | 1007.5 | 651.5 | 951.5 | 1170.1 | 759.6 | 975.1 | 1201.3 | 792.3 | 560.4 | 661.8 | 452.6 |
| 2003 | 784.0 | 942.8 | 651.5 | 764.9 | 921.4 | 636.0 | 839.5 | 1007.3 | 698.7 | 1048.6 | 1201.7 | 901.9 | 900.7 | 1057.7 | 761.4 | 497.2 | 522.0 | 478.7 |
| 2004 | 757.3 | 909.0 | 632.0 | 734.6 | 885.2 | 612.8 | 834.0 | 1006.6 | 691.5 | 1021.7 | 1149.2 | 895.8 | 879.2 | 1040.6 | 741.7 | 557.5 | 446.5 | 715.3 |
| 2005 | 772.5 | 925.7 | 644.9 | 744.6 | 894.4 | 622.3 | 849.2 | 1062.1 | 679.8 | 1053.1 | 986.6 | 1125.9 | 1006.6 | 1215.2 | 835.6 | 629.5 | 670.8 | 593.1 |
| 2006 | 727.3 | 861.6 | 611.8 | 728.5 | 854.4 | 621.1 | 685.6 | 837.3 | 556.0 | 885.1 | 1109.5 | 693.6 | 744.5 | 933.9 | 593.0 | 393.4 | 478.0 | 340.5 |
| 2007 | 663.2 | 773.8 | 561.7 | 665.1 | 777.7 | 563.2 | 603.7 | 705.7 | 509.3 | 719.2 | 739.1 | 691.2 | 752.5 | 928.8 | 605.2 | 356.3 | 1008.6 | 342.1 |
| 2008 | 659.6 | 777.6 | 554.3 | 660.1 | 780.7 | 553.9 | 606.9 | 704.0 | 515.8 | 710.7 | 746.4 | 670.5 | 766.3 | 937.9 | 620.0 | 427.0 | 529.7 | 359.0 |
| 2009 | 653.2 | 763.9 | 555.1 | 647.3 | 761.9 | 546.8 | 614.9 | 712.3 | 528.4 | 736.8 | 728.4 | 736.1 | 823.5 | 972.5 | 695.0 | 472.8 | 561.7 | 408.7 |
| 2010 | 679.9 | 802.0 | 572.6 | 674.4 | 791.8 | 569.7 | 612.0 | 716.0 | 525.0 | 835.0 | 1009.6 | 698.5 | 891.8 | 1080.0 | 731.1 | 424.1 | 544.7 | 345.7 |
| 2011 | 699.6 | 817.1 | 595.3 | 741.5 | 810.1 | 595.9 | 656.4 | 781.9 | 549.7 | 833.6 | 981.9 | 718.5 | 765.5 | 871.4 | 669.5 | 436.7 | 521.8 | 377.8 |
| 2012 | 687.2 | 811.0 | 579.2 | 693.1 | 817.9 | 583.0 | 616.2 | 743.0 | 512.8 | 886.5 | 985.3 | 793.1 | 843.8 | 1001.0 | 708.3 | 440.1 | 463.6 | 418.3 |
| 2013 | 687.8 | 805.8 | 583.8 | 693.7 | 811.8 | 588.8 | 615.6 | 708.5 | 534.9 | 918.5 | 1061.5 | 782.1 | 887.0 | 1075.3 | 728.5 | 413.4 | 485.9 | 364.6 |
| 2014 | 676.0 | 791.2 | 572.8 | 685.7 | 802.3 | 579.5 | 636.9 | 752.5 | 538.1 | 739.9 | 850.5 | 646.5 | 818.5 | 971.5 | 684.9 | 371.8 | 416.1 | 337.6 |
| 2015 | 691.3 | 811.5 | 583.3 | 704.1 | 821.6 | 597.0 | 601.5 | 725.0 | 497.2 | 832.8 | 980.1 | 704.1 | 965.3 | 1171.5 | 790.6 | 413.8 | 498.8 | 360.5 |
| 2016 | 696.6 | 824.8 | 581.1 | 704.8 | 826.6 | 593.6 | 607.5 | 739.7 | 496.9 | 874.2 | 1029.9 | 724.6 | 1023.9 | 1314.1 | 783.5 | 433.5 | 485.6 | 392.8 |
| 2017 | 679.3 | 800.0 | 568.7 | 681.4 | 796.3 | 574.9 | 592.0 | 705.7 | 493.5 | 800.0 | 912.2 | 680.8 | 1001.9 | 1244.9 | 796.7 | 419.1 | 478.8 | 377.9 |
| 2018 | 688.6 | 813.4 | 573.5 | 690.2 | 808.2 | 579.8 | 607.1 | 736.8 | 493.9 | 843.2 | 945.3 | 746.7 | 1036.1 | 1293.0 | 816.9 | 429.7 | 487.7 | 388.2 |
| 2019 | 676.6 | 799.6 | 562.9 | 674.5 | 792.5 | 563.3 | 602.8 | 720.7 | 500.0 | 841.5 | 970.2 | 727.5 | 1051.0 | 1311.8 | 836.8 | 421.6 | 519.6 | 351.0 |
| 2020 | 842.2 | 1002.1 | 694.1 | 794.6 | 929.2 | 667.9 | 871.7 | 1085.5 | 689.9 | 1057.7 | 1275.0 | 854.0 | 1757.8 | 2199.1 | 1397.5 | 507.4 | 597.5 | 437.9 |
| 2021 | 882.6 | 1057.1 | 721.2 | 835.4 | 991.0 | 689.6 | 892.8 | 1097.9 | 714.1 | 1113.6 | 1295.6 | 942.7 | 1704.7 | 2104.2 | 1365.1 | 597.0 | 712.6 | 511.9 |
| Cardiovascular diseases | | | | | | | | | | | | | | | | | | |
| 2000 | 276.1 | 333.1 | 230.0 | 276.0 | 335.8 | 227.7 | 273.6 | 320.8 | 236.1 | 411.5 | 460.3 | 374.6 | 257.5 | 308.3 | 218.7 | 190.6 | 197.0 | 183.2 |
| 2001 | 267.3 | 321.6 | 223.0 | 265.8 | 322.0 | 220.1 | 281.4 | 325.8 | 242.8 | 388.1 | 422.3 | 354.6 | 234.1 | 275.6 | 202.5 | 184.3 | 190.8 | 179.9 |
| 2002 | 265.5 | 321.1 | 221.0 | 266.1 | 323.2 | 220.0 | 276.3 | 321.8 | 240.0 | 329.8 | 402.1 | 269.0 | 216.2 | 257.6 | 184.4 | 218.4 | 280.4 | 173.5 |
| 2003 | 258.4 | 310.3 | 215.8 | 257.2 | 309.3 | 214.2 | 278.2 | 339.9 | 230.3 | 390.1 | 426.5 | 348.3 | 188.6 | 239.3 | 150.6 | 145.3 | 137.2 | 150.7 |
| 2004 | 248.5 | 298.4 | 207.8 | 243.1 | 295.7 | 200.6 | 284.1 | 331.4 | 247.0 | 372.5 | 365.2 | 363.2 | 214.6 | 254.7 | 181.0 | 200.3 | 158.8 | 259.2 |
| 2005 | 245.7 | 298.2 | 203.8 | 241.3 | 295.8 | 198.2 | 266.1 | 331.8 | 217.5 | 343.3 | 304.3 | 385.9 | 235.6 | 279.7 | 201.6 | 243.0 | 244.9 | 241.3 |
| 2006 | 216.4 | 258.3 | 181.0 | 218.2 | 258.9 | 183.3 | 203.2 | 243.8 | 170.2 | 310.3 | 443.9 | 208.0 | 167.0 | 213.0 | 131.3 | 136.2 | 159.0 | 122.9 |
| 2007 | 194.4 | 227.5 | 164.3 | 196.9 | 234.0 | 163.5 | 179.8 | 201.8 | 159.1 | 225.9 | 210.0 | 239.7 | 155.0 | 181.8 | 132.4 | 108.9 | 265.9 | 108.3 |
| 2008 | 194.1 | 235.8 | 158.1 | 196.3 | 240.6 | 158.3 | 184.8 | 218.8 | 153.8 | 219.6 | 235.0 | 205.2 | 150.4 | 172.8 | 133.7 | 121.4 | 132.3 | 114.1 |
| 2009 | 188.8 | 228.1 | 154.9 | 188.3 | 229.4 | 152.9 | 179.8 | 211.3 | 151.9 | 245.7 | 228.8 | 252.2 | 164.2 | 209.1 | 130.0 | 150.8 | 182.3 | 127.9 |
| 2010 | 188.6 | 225.1 | 156.7 | 188.8 | 224.9 | 156.6 | 172.4 | 201.5 | 148.9 | 258.5 | 305.4 | 215.1 | 183.2 | 216.9 | 154.8 | 130.0 | 175.8 | 98.9 |
| 2011 | 201.0 | 239.2 | 168.0 | 212.6 | 239.9 | 167.1 | 193.4 | 223.9 | 168.0 | 266.1 | 329.3 | 219.6 | 149.2 | 160.8 | 136.3 | 122.4 | 148.6 | 103.7 |
| 2012 | 193.3 | 233.6 | 159.1 | 195.1 | 238.4 | 157.9 | 176.2 | 204.3 | 153.1 | 284.0 | 290.7 | 269.6 | 168.3 | 204.1 | 139.8 | 134.7 | 159.3 | 116.7 |
| 2013 | 187.7 | 229.0 | 152.4 | 190.9 | 233.3 | 154.0 | 161.9 | 194.2 | 135.3 | 280.2 | 354.0 | 218.5 | 164.2 | 199.8 | 137.4 | 133.6 | 154.8 | 119.2 |
| 2014 | 171.6 | 206.9 | 140.7 | 174.9 | 210.4 | 143.0 | 156.2 | 191.6 | 127.3 | 212.3 | 256.3 | 176.8 | 147.7 | 196.6 | 111.3 | 100.8 | 112.7 | 90.4 |
| 2015 | 189.0 | 226.7 | 156.1 | 192.4 | 231.6 | 157.8 | 165.1 | 191.3 | 141.7 | 266.8 | 306.2 | 232.1 | 167.0 | 205.0 | 136.2 | 119.1 | 153.6 | 97.6 |
| 2016 | 190.8 | 230.7 | 155.9 | 194.4 | 235.2 | 158.0 | 168.3 | 202.3 | 140.4 | 275.8 | 314.3 | 233.8 | 189.6 | 238.8 | 152.7 | 120.9 | 135.9 | 111.0 |
| 2017 | 189.9 | 228.6 | 155.5 | 191.4 | 228.9 | 157.3 | 166.2 | 204.8 | 134.8 | 258.3 | 297.4 | 220.1 | 204.2 | 268.3 | 157.4 | 125.2 | 150.3 | 110.3 |
| 2018 | 188.4 | 225.2 | 155.6 | 189.8 | 227.1 | 155.9 | 167.5 | 203.0 | 137.4 | 241.1 | 254.7 | 227.4 | 186.0 | 216.7 | 160.8 | 128.2 | 148.9 | 113.7 |
| 2019 | 184.9 | 221.2 | 152.4 | 185.9 | 221.9 | 152.9 | 160.4 | 196.4 | 131.0 | 254.7 | 270.6 | 237.7 | 192.7 | 238.6 | 156.7 | 128.0 | 159.5 | 104.4 |
| 2020 | 205.3 | 246.9 | 167.8 | 204.5 | 243.4 | 168.6 | 182.7 | 230.3 | 144.3 | 293.7 | 352.6 | 238.6 | 237.2 | 304.4 | 187.6 | 134.7 | 160.9 | 114.1 |
| 2021 | 203.4 | 244.8 | 166.2 | 203.4 | 242.3 | 167.8 | 182.6 | 219.9 | 150.7 | 289.1 | 363.3 | 221.6 | 210.8 | 280.6 | 156.5 | 146.5 | 165.6 | 132.4 |

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2021

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|--------------------------------------|------------|-------|-------|--------------------|-------|-------|--------------------|-------|-------|---------------------------|-------|-------|----------------------------------|-------|-------|---------------------------|-------|-------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| -----Diseases of heart | | | | | | | | | | | | | | | | | | |
| 2000 | 206.1 | 259.3 | 163.6 | 207.2 | 263.2 | 162.5 | 204.7 | 247.2 | 171.4 | 289.5 | 312.8 | 267.0 | 183.8 | 229.5 | 148.5 | 132.3 | 146.1 | 118.8 |
| 2001 | 201.7 | 251.3 | 161.5 | 202.1 | 252.9 | 160.9 | 206.1 | 255.8 | 165.4 | 273.6 | 300.5 | 248.5 | 177.7 | 218.4 | 146.8 | 116.1 | 116.8 | 116.0 |
| 2002 | 201.0 | 253.6 | 158.9 | 203.0 | 257.8 | 159.0 | 201.2 | 239.2 | 170.5 | 237.0 | 311.6 | 178.6 | 164.0 | 201.2 | 134.3 | 145.6 | 177.8 | 122.0 |
| 2003 | 197.1 | 246.6 | 157.1 | 197.9 | 248.4 | 157.2 | 198.5 | 252.7 | 155.9 | 299.4 | 335.2 | 259.2 | 141.9 | 181.6 | 111.0 | 97.6 | 88.8 | 103.5 |
| 2004 | 186.7 | 234.2 | 148.5 | 184.9 | 235.0 | 144.8 | 197.6 | 239.1 | 165.0 | 258.5 | 241.3 | 258.5 | 166.9 | 215.3 | 128.2 | 135.3 | 112.8 | 167.4 |
| 2005 | 186.9 | 237.4 | 147.3 | 185.2 | 237.7 | 144.5 | 189.6 | 242.2 | 149.9 | 250.3 | 235.7 | 266.2 | 179.1 | 231.7 | 139.9 | 159.8 | 177.7 | 143.9 |
| 2006 | 166.1 | 207.3 | 131.8 | 168.8 | 210.6 | 133.9 | 149.8 | 181.1 | 124.0 | 231.9 | 328.6 | 153.5 | 129.4 | 169.5 | 98.1 | 94.7 | 118.5 | 80.2 |
| 2007 | 149.5 | 184.0 | 119.4 | 153.2 | 191.3 | 120.0 | 131.5 | 158.9 | 107.7 | 171.3 | 160.4 | 182.5 | 115.2 | 140.5 | 94.7 | 58.6 | 152.9 | 56.4 |
| 2008 | 149.3 | 189.3 | 115.1 | 153.1 | 195.7 | 116.8 | 132.0 | 165.2 | 102.4 | 161.7 | 175.2 | 146.9 | 114.6 | 129.0 | 103.8 | 71.8 | 92.0 | 57.8 |
| 2009 | 145.9 | 183.1 | 114.1 | 147.5 | 186.5 | 114.2 | 130.5 | 159.6 | 105.4 | 171.3 | 176.1 | 160.4 | 125.8 | 156.1 | 100.5 | 96.7 | 118.1 | 80.9 |
| 2010 | 143.3 | 179.8 | 112.2 | 145.4 | 181.9 | 113.7 | 121.3 | 149.0 | 99.5 | 177.7 | 233.6 | 133.9 | 135.9 | 169.5 | 108.1 | 86.8 | 128.1 | 60.0 |
| 2011 | 152.7 | 192.8 | 119.0 | 164.3 | 196.2 | 120.4 | 137.4 | 167.1 | 113.2 | 174.0 | 252.9 | 119.3 | 111.1 | 131.1 | 92.7 | 77.0 | 105.3 | 57.3 |
| 2012 | 145.8 | 184.4 | 113.7 | 150.0 | 190.9 | 115.3 | 123.4 | 149.8 | 101.8 | 190.5 | 216.9 | 168.5 | 122.7 | 160.6 | 93.9 | 87.9 | 116.9 | 68.3 |
| 2013 | 143.0 | 183.6 | 109.2 | 147.6 | 190.0 | 111.5 | 116.1 | 144.4 | 93.0 | 200.5 | 269.1 | 144.8 | 122.9 | 159.8 | 97.1 | 82.5 | 98.8 | 70.9 |
| 2014 | 129.9 | 164.1 | 100.5 | 134.4 | 168.9 | 104.1 | 114.0 | 147.8 | 87.0 | 140.9 | 175.3 | 113.3 | 107.5 | 159.3 | 70.3 | 60.3 | 73.8 | 49.9 |
| 2015 | 141.3 | 177.1 | 110.5 | 146.0 | 183.7 | 112.9 | 117.6 | 140.7 | 97.5 | 184.4 | 216.8 | 155.9 | 119.9 | 158.9 | 89.1 | 75.0 | 99.0 | 59.6 |
| 2016 | 142.5 | 180.5 | 109.8 | 147.7 | 186.9 | 113.5 | 116.3 | 147.1 | 91.5 | 188.3 | 224.0 | 151.5 | 139.9 | 191.2 | 102.3 | 76.6 | 86.8 | 69.9 |
| 2017 | 141.9 | 179.4 | 109.3 | 146.1 | 183.4 | 112.8 | 112.5 | 144.9 | 86.6 | 169.6 | 210.0 | 134.3 | 150.9 | 217.2 | 103.9 | 87.2 | 105.3 | 76.4 |
| 2018 | 140.5 | 176.3 | 109.1 | 144.3 | 181.1 | 111.4 | 116.0 | 147.4 | 90.1 | 166.4 | 185.8 | 149.5 | 129.9 | 156.0 | 108.6 | 86.0 | 112.9 | 68.5 |
| 2019 | 137.3 | 172.5 | 106.3 | 140.4 | 175.7 | 108.5 | 107.9 | 141.6 | 81.1 | 188.3 | 201.7 | 175.5 | 132.8 | 176.0 | 100.6 | 86.7 | 118.0 | 63.8 |
| 2020 | 152.9 | 192.2 | 118.1 | 154.9 | 192.5 | 120.8 | 125.5 | 163.5 | 94.8 | 212.3 | 263.8 | 164.4 | 164.3 | 234.2 | 113.2 | 91.0 | 112.0 | 74.6 |
| 2021 | 151.2 | 191.3 | 115.7 | 154.7 | 193.0 | 120.1 | 123.5 | 159.8 | 93.8 | 193.3 | 258.1 | 136.0 | 145.9 | 208.5 | 97.8 | 97.6 | 119.7 | 81.9 |
| -----Cerebrovascular diseases | | | | | | | | | | | | | | | | | | |
| 2000 | 51.7 | 50.8 | 51.8 | 50.8 | 49.3 | 51.4 | 51.2 | 54.4 | 48.3 | 82.4 | 101.5 | 71.6 | 55.3 | 60.2 | 51.9 | 46.1 | 45.0 | 47.8 |
| 2001 | 47.7 | 48.3 | 46.8 | 46.2 | 47.1 | 45.0 | 55.4 | 50.8 | 57.7 | 79.6 | 80.0 | 76.2 | 44.3 | 46.6 | 42.9 | 51.1 | 49.2 | 52.1 |
| 2002 | 47.0 | 47.3 | 46.7 | 45.9 | 45.3 | 46.2 | 53.9 | 62.6 | 47.8 | 69.6 | 57.9 | 72.9 | 39.4 | 46.5 | 34.7 | 57.6 | 72.6 | 46.9 |
| 2003 | 43.9 | 42.9 | 43.8 | 41.7 | 40.1 | 42.1 | 61.9 | 65.7 | 59.2 | 69.0 | 60.6 | 73.5 | 36.4 | 45.8 | 29.9 | 35.9 | 42.5 | 31.1 |
| 2004 | 43.6 | 42.7 | 43.6 | 41.4 | 40.6 | 41.3 | 61.3 | 62.4 | 60.1 | 71.5 | 69.0 | 69.1 | 27.5 | 20.1 | 31.8 | 45.1 | 31.6 | 64.4 |
| 2005 | 40.6 | 40.0 | 40.5 | 38.8 | 38.1 | 38.8 | 51.0 | 59.8 | 44.3 | 66.0 | 40.3 | 94.1 | 32.3 | 29.9 | 33.7 | 64.6 | 49.0 | 78.3 |
| 2006 | 34.8 | 33.4 | 35.2 | 34.1 | 31.3 | 35.5 | 37.3 | 43.9 | 32.1 | 58.2 | 86.0 | 41.1 | 27.0 | 32.8 | 23.0 | 18.4 | 6.8 | 25.9 |
| 2007 | 30.6 | 27.7 | 32.2 | 29.7 | 26.9 | 31.2 | 34.9 | 30.0 | 37.8 | 34.1 | 30.9 | 36.5 | 22.0 | 23.9 | 20.3 | 37.7 | 85.6 | 40.0 |
| 2008 | 30.3 | 29.6 | 30.5 | 29.2 | 28.0 | 29.9 | 33.6 | 34.6 | 32.0 | 40.0 | 42.9 | 38.9 | 23.5 | 26.2 | 21.8 | 36.2 | 32.8 | 38.9 |
| 2009 | 28.9 | 28.2 | 29.1 | 27.5 | 26.6 | 27.9 | 33.8 | 34.3 | 32.7 | 42.8 | 31.4 | 54.5 | 24.7 | 33.5 | 20.0 | 39.2 | 43.6 | 35.9 |
| 2010 | 30.7 | 28.9 | 31.3 | 29.4 | 27.2 | 30.5 | 35.1 | 34.8 | 34.6 | 53.5 | 41.4 | 58.1 | 29.8 | 30.0 | 29.5 | 26.0 | 30.7 | 21.7 |
| 2011 | 30.6 | 28.0 | 32.3 | 30.4 | 26.2 | 30.7 | 34.9 | 33.3 | 35.6 | 56.5 | 43.3 | 64.3 | 29.7 | 24.8 | 33.1 | 29.1 | 34.2 | 26.2 |
| 2012 | 29.9 | 30.0 | 29.4 | 28.1 | 28.0 | 27.6 | 35.5 | 37.8 | 33.6 | 56.0 | 50.9 | 57.7 | 27.1 | 30.3 | 24.5 | 30.9 | 26.4 | 33.3 |
| 2013 | 28.2 | 27.2 | 28.5 | 27.1 | 25.7 | 27.7 | 29.7 | 30.8 | 28.5 | 54.4 | 51.4 | 54.6 | 23.4 | 18.6 | 25.3 | 30.7 | 30.0 | 31.2 |
| 2014 | 26.2 | 24.8 | 26.8 | 25.3 | 25.2 | 26.1 | 27.4 | 26.6 | 27.5 | 40.8 | 41.7 | 39.2 | 24.5 | 24.2 | 24.0 | 28.7 | 33.1 | 25.8 |
| 2015 | 31.1 | 31.3 | 30.7 | 30.1 | 29.6 | 30.1 | 32.4 | 34.0 | 30.6 | 51.8 | 59.6 | 45.5 | 31.6 | 31.7 | 31.1 | 30.4 | 36.7 | 27.0 |
| 2016 | 30.7 | 29.9 | 30.9 | 30.0 | 28.7 | 30.6 | 31.5 | 31.4 | 31.2 | 48.1 | 49.7 | 45.8 | 30.1 | 27.8 | 30.9 | 31.1 | 41.5 | 24.8 |
| 2017 | 30.7 | 30.7 | 30.2 | 29.2 | 28.5 | 29.3 | 34.5 | 38.1 | 31.3 | 49.2 | 45.6 | 50.3 | 31.7 | 30.7 | 31.1 | 23.6 | 26.2 | 22.0 |
| 2018 | 32.1 | 31.6 | 32.0 | 30.6 | 29.9 | 30.8 | 34.6 | 36.3 | 32.6 | 44.1 | 42.7 | 43.9 | 39.2 | 37.4 | 40.5 | 27.9 | 25.2 | 29.2 |
| 2019 | 31.0 | 30.2 | 31.4 | 30.0 | 28.8 | 30.7 | 33.9 | 33.7 | 33.5 | 35.7 | 38.6 | 32.7 | 35.7 | 34.9 | 35.8 | 23.2 | 25.0 | 21.7 |
| 2020 | 34.6 | 34.8 | 33.8 | 32.9 | 32.3 | 32.9 | 38.3 | 42.8 | 34.2 | 48.6 | 51.6 | 45.9 | 43.6 | 44.7 | 42.9 | 29.9 | 32.0 | 28.0 |
| 2021 | 34.4 | 34.4 | 34.0 | 32.0 | 31.4 | 32.4 | 38.6 | 40.6 | 36.1 | 61.9 | 63.0 | 60.5 | 41.3 | 44.6 | 38.3 | 32.3 | 30.0 | 33.3 |

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2021

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|----------------------------|------------|-------|-------|--------------------|-------|-------|--------------------|-------|-------|---------------------------|-------|-------|----------------------------------|-------|-------|---------------------------|-------|-------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| Malignant neoplasms | | | | | | | | | | | | | | | | | | |
| 2000 | 170.4 | 204.0 | 145.8 | 174.8 | 208.1 | 150.0 | 156.9 | 201.5 | 126.0 | 216.1 | 274.7 | 178.0 | 123.0 | 142.7 | 107.2 | 103.4 | 103.6 | 103.1 |
| 2001 | 169.2 | 199.8 | 147.5 | 173.1 | 203.7 | 151.4 | 155.6 | 196.8 | 126.9 | 213.0 | 247.6 | 195.0 | 121.7 | 128.8 | 115.4 | 147.0 | 175.5 | 127.1 |
| 2002 | 168.6 | 209.1 | 139.1 | 172.4 | 213.2 | 142.5 | 156.3 | 211.2 | 118.0 | 222.7 | 290.3 | 176.0 | 117.6 | 125.8 | 112.5 | 116.5 | 126.5 | 108.5 |
| 2003 | 169.4 | 208.3 | 141.3 | 171.2 | 212.4 | 141.2 | 168.5 | 209.2 | 140.1 | 218.5 | 245.6 | 200.8 | 120.7 | 112.6 | 126.7 | 132.9 | 132.8 | 132.6 |
| 2004 | 164.7 | 201.2 | 138.6 | 165.4 | 202.9 | 138.1 | 161.6 | 218.1 | 123.6 | 227.7 | 274.2 | 200.5 | 139.3 | 150.9 | 131.8 | 111.0 | 72.9 | 165.2 |
| 2005 | 161.8 | 197.1 | 136.1 | 162.4 | 197.6 | 136.8 | 165.9 | 217.1 | 130.8 | 217.9 | 216.7 | 219.3 | 122.2 | 159.7 | 97.5 | 112.7 | 122.5 | 104.0 |
| 2006 | 154.7 | 187.0 | 131.0 | 162.8 | 195.5 | 138.4 | 124.7 | 160.9 | 98.7 | 163.5 | 216.0 | 127.7 | 83.1 | 93.9 | 79.5 | 82.0 | 113.2 | 64.1 |
| 2007 | 148.0 | 176.7 | 125.6 | 154.6 | 184.4 | 131.1 | 118.6 | 144.3 | 99.0 | 153.4 | 178.3 | 135.2 | 113.9 | 135.0 | 100.1 | 84.2 | 248.1 | 81.6 |
| 2008 | 145.5 | 173.8 | 123.0 | 150.4 | 179.7 | 127.0 | 123.8 | 151.9 | 101.5 | 149.2 | 150.1 | 146.3 | 106.7 | 126.4 | 93.2 | 104.4 | 149.4 | 74.0 |
| 2009 | 147.2 | 174.9 | 125.8 | 151.1 | 179.8 | 128.7 | 128.4 | 157.1 | 105.9 | 153.1 | 160.3 | 154.2 | 113.3 | 127.5 | 103.5 | 108.1 | 122.0 | 98.7 |
| 2010 | 150.5 | 180.6 | 127.1 | 155.6 | 185.8 | 131.6 | 126.2 | 148.8 | 110.6 | 182.6 | 231.0 | 144.8 | 106.4 | 137.8 | 86.6 | 96.2 | 130.7 | 74.2 |
| 2011 | 151.3 | 179.3 | 129.5 | 170.3 | 182.2 | 132.4 | 136.3 | 176.0 | 107.3 | 167.1 | 170.6 | 169.0 | 100.8 | 116.3 | 90.9 | 116.6 | 126.2 | 110.2 |
| 2012 | 149.8 | 180.3 | 125.9 | 155.6 | 185.9 | 131.5 | 127.2 | 161.8 | 102.4 | 180.1 | 220.1 | 147.1 | 100.8 | 114.5 | 90.4 | 100.5 | 113.1 | 94.6 |
| 2013 | 149.6 | 175.0 | 129.9 | 154.3 | 180.9 | 133.3 | 129.8 | 147.2 | 117.0 | 190.4 | 209.3 | 176.5 | 118.2 | 126.0 | 114.5 | 100.1 | 131.4 | 81.4 |
| 2014 | 136.3 | 160.8 | 116.8 | 141.8 | 166.5 | 121.8 | 124.9 | 153.6 | 103.4 | 145.0 | 154.7 | 140.9 | 97.1 | 124.6 | 77.3 | 83.2 | 82.1 | 83.5 |
| 2015 | 144.0 | 169.0 | 123.8 | 149.8 | 173.9 | 129.9 | 120.4 | 152.9 | 96.2 | 154.7 | 181.5 | 135.0 | 124.4 | 142.1 | 112.4 | 104.8 | 133.4 | 88.2 |
| 2016 | 140.7 | 166.3 | 120.0 | 146.7 | 171.3 | 126.5 | 115.9 | 147.3 | 92.3 | 171.6 | 214.4 | 138.9 | 101.2 | 110.7 | 94.6 | 102.6 | 106.6 | 98.4 |
| 2017 | 136.6 | 161.0 | 116.6 | 141.4 | 167.7 | 119.1 | 110.9 | 130.9 | 95.9 | 158.5 | 164.8 | 151.2 | 117.1 | 114.6 | 118.2 | 99.4 | 121.4 | 85.6 |
| 2018 | 135.9 | 161.8 | 114.7 | 140.2 | 165.7 | 118.9 | 118.7 | 144.3 | 99.6 | 156.7 | 193.4 | 131.2 | 115.3 | 149.6 | 92.6 | 102.7 | 112.0 | 96.7 |
| 2019 | 134.7 | 156.7 | 116.4 | 136.9 | 158.3 | 118.6 | 118.3 | 137.3 | 103.7 | 173.5 | 210.0 | 147.1 | 132.3 | 162.6 | 112.5 | 98.4 | 113.1 | 89.8 |
| 2020 | 134.7 | 156.1 | 117.2 | 138.9 | 159.3 | 121.8 | 114.8 | 132.7 | 100.9 | 169.4 | 206.2 | 141.6 | 116.5 | 138.7 | 102.8 | 87.9 | 97.0 | 81.5 |
| 2021 | 131.8 | 150.3 | 116.7 | 136.0 | 155.4 | 119.6 | 110.9 | 128.0 | 98.5 | 154.4 | 151.7 | 158.3 | 128.9 | 139.9 | 123.2 | 94.4 | 100.1 | 91.0 |
| -----Lung cancer | | | | | | | | | | | | | | | | | | |
| 2000 | 46.1 | 59.2 | 35.8 | 49.1 | 61.9 | 39.1 | 31.6 | 49.6 | 18.1 | 65.8 | 79.8 | 52.1 | 8.9 | 13.1 | 5.5 | 29.6 | 29.0 | 29.8 |
| 2001 | 44.5 | 54.8 | 36.4 | 47.6 | 57.0 | 40.2 | 29.2 | 49.4 | 14.4 | 55.7 | 78.9 | 39.5 | 9.8 | 11.9 | 8.1 | 41.7 | 62.8 | 27.1 |
| 2002 | 46.6 | 58.6 | 37.1 | 50.1 | 62.4 | 40.4 | 27.7 | 40.0 | 18.3 | 61.2 | 74.7 | 49.5 | 13.1 | 13.4 | 13.0 | 24.7 | 24.5 | 24.6 |
| 2003 | 47.4 | 61.0 | 37.1 | 50.6 | 64.0 | 40.3 | 33.5 | 49.6 | 21.5 | 59.4 | 80.8 | 45.6 | 13.2 | 17.2 | 10.3 | 21.9 | 26.3 | 18.5 |
| 2004 | 45.4 | 57.3 | 36.3 | 48.2 | 59.6 | 39.3 | 29.4 | 49.4 | 14.7 | 61.4 | 74.4 | 53.0 | 17.3 | 21.5 | 14.2 | 21.5 | 15.7 | 30.3 |
| 2005 | 43.0 | 54.1 | 34.4 | 45.9 | 56.8 | 37.4 | 29.0 | 45.0 | 17.3 | 53.0 | 58.6 | 46.8 | 6.5 | 9.0 | 4.7 | 19.7 | 18.8 | 20.4 |
| 2006 | 42.7 | 53.5 | 34.2 | 47.4 | 58.6 | 38.5 | 21.4 | 31.6 | 13.8 | 45.9 | 65.9 | 33.9 | 4.7 | 4.3 | 4.9 | 18.4 | 32.5 | 9.2 |
| 2007 | 38.2 | 47.2 | 30.9 | 42.4 | 51.7 | 34.8 | 20.5 | 30.4 | 12.4 | 39.6 | 46.3 | 35.7 | 9.9 | 14.2 | 6.8 | 21.5 | 48.0 | 23.1 |
| 2008 | 38.5 | 47.7 | 31.2 | 42.3 | 51.7 | 34.8 | 20.0 | 27.7 | 13.7 | 37.1 | 45.4 | 27.8 | 11.2 | 10.1 | 11.7 | 32.7 | 49.1 | 21.8 |
| 2009 | 39.0 | 47.4 | 32.2 | 42.7 | 51.5 | 35.5 | 23.7 | 33.9 | 15.8 | 38.7 | 38.3 | 39.8 | 10.0 | 7.1 | 12.6 | 26.6 | 37.0 | 19.1 |
| 2010 | 38.1 | 46.1 | 31.5 | 41.7 | 49.5 | 35.3 | 20.6 | 28.5 | 14.6 | 36.6 | 41.7 | 31.4 | 7.5 | 12.5 | 3.6 | 22.1 | 36.9 | 12.8 |
| 2011 | 37.8 | 46.1 | 31.1 | 46.7 | 49.2 | 34.9 | 22.9 | 35.9 | 13.3 | 36.6 | 40.4 | 33.3 | 7.9 | 13.8 | 3.9 | 20.8 | 33.9 | 13.4 |
| 2012 | 37.7 | 45.2 | 31.6 | 41.5 | 49.0 | 35.3 | 22.0 | 30.6 | 15.6 | 43.0 | 50.7 | 36.7 | 9.3 | 7.9 | 9.8 | 20.9 | 33.6 | 13.5 |
| 2013 | 36.4 | 42.9 | 31.0 | 40.2 | 46.7 | 34.8 | 22.1 | 27.6 | 17.3 | 40.5 | 57.3 | 29.4 | 10.0 | 11.6 | 9.5 | 22.9 | 31.6 | 17.6 |
| 2014 | 32.2 | 38.1 | 27.3 | 35.3 | 41.0 | 30.5 | 21.6 | 30.4 | 15.2 | 29.5 | 37.5 | 22.7 | 10.2 | 12.0 | 8.7 | 26.7 | 27.8 | 25.4 |
| 2015 | 35.1 | 40.5 | 30.7 | 39.1 | 44.2 | 34.8 | 18.8 | 24.9 | 14.5 | 38.4 | 58.6 | 22.5 | 8.1 | 10.3 | 6.9 | 30.6 | 38.0 | 25.8 |
| 2016 | 31.4 | 36.6 | 26.9 | 34.8 | 40.0 | 30.5 | 17.8 | 22.0 | 14.3 | 37.8 | 48.7 | 31.5 | 7.4 | 10.7 | 4.7 | 19.5 | 20.1 | 18.4 |
| 2017 | 30.8 | 36.0 | 26.5 | 34.3 | 39.6 | 29.7 | 15.2 | 19.6 | 11.7 | 27.9 | 35.6 | 20.6 | 8.5 | 3.9 | 11.6 | 29.2 | 30.5 | 28.1 |
| 2018 | 28.9 | 33.8 | 24.6 | 31.5 | 36.4 | 27.3 | 17.6 | 20.7 | 15.0 | 35.6 | 47.7 | 26.2 | 9.0 | 17.9 | 2.8 | 22.8 | 26.3 | 20.4 |
| 2019 | 26.2 | 29.7 | 23.3 | 28.6 | 31.7 | 25.9 | 16.3 | 20.9 | 12.8 | 33.1 | 41.4 | 25.9 | 8.1 | 9.3 | 7.3 | 20.9 | 19.4 | 21.7 |
| 2020 | 26.8 | 29.9 | 24.2 | 29.4 | 32.0 | 27.3 | 15.3 | 18.8 | 12.6 | 36.0 | 47.9 | 26.8 | 9.6 | 12.5 | 7.6 | 14.8 | 16.6 | 13.6 |
| 2021 | 25.8 | 28.9 | 23.2 | 28.8 | 32.1 | 26.0 | 14.4 | 17.0 | 12.6 | 23.1 | 23.8 | 23.4 | 7.9 | 8.6 | 7.8 | 19.9 | 20.7 | 19.5 |

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2021

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|----------------------------------|------------|------|------|--------------------|------|------|--------------------|------|------|---------------------------|------|------|----------------------------------|------|------|---------------------------|------|------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| -----Colorectal cancer | | | | | | | | | | | | | | | | | | |
| 2000 | 17.0 | 20.5 | 14.1 | 17.4 | 20.7 | 14.6 | 16.4 | 20.5 | 13.5 | 16.3 | 26.3 | 9.7 | 8.2 | 15.1 | 2.7 | 6.6 | 12.9 | 2.2 |
| 2001 | 16.7 | 19.0 | 14.8 | 16.9 | 19.0 | 15.2 | 16.6 | 22.1 | 12.9 | 27.4 | 26.2 | 25.2 | 7.2 | 7.8 | 6.3 | 10.6 | 15.3 | 7.2 |
| 2002 | 16.5 | 20.6 | 13.4 | 16.9 | 21.0 | 13.6 | 16.2 | 23.4 | 11.7 | 26.4 | 36.4 | 19.8 | 9.1 | 7.9 | 9.3 | 9.7 | 13.9 | 7.0 |
| 2003 | 17.9 | 21.8 | 14.7 | 17.9 | 22.0 | 14.4 | 21.2 | 25.5 | 17.9 | 26.3 | 22.3 | 28.2 | 6.3 | 10.2 | 3.7 | 3.0 | 4.8 | 1.8 |
| 2004 | 15.3 | 18.9 | 12.6 | 15.5 | 19.2 | 12.8 | 13.1 | 15.8 | 11.5 | 27.3 | 41.2 | 16.9 | 9.3 | 14.1 | 5.6 | 11.0 | 7.7 | 15.9 |
| 2005 | 15.4 | 18.9 | 12.8 | 15.2 | 18.8 | 12.5 | 17.6 | 21.5 | 14.8 | 27.0 | 23.7 | 30.6 | 7.5 | 10.0 | 6.0 | 12.5 | 18.7 | 7.1 |
| 2006 | 14.6 | 18.1 | 12.0 | 15.1 | 18.9 | 12.0 | 14.2 | 15.8 | 13.1 | 14.9 | 21.1 | 10.1 | 4.7 | 3.5 | 5.5 | 6.5 | 11.4 | 3.9 |
| 2007 | 14.4 | 17.7 | 11.5 | 15.0 | 18.1 | 12.3 | 12.0 | 16.5 | 8.6 | 15.7 | 19.3 | 11.8 | 8.0 | 10.6 | 5.3 | 9.4 | 28.7 | 9.8 |
| 2008 | 13.1 | 15.1 | 11.3 | 13.2 | 15.0 | 11.4 | 13.2 | 15.5 | 11.2 | 16.4 | 20.3 | 13.0 | 11.1 | 11.9 | 10.9 | 8.6 | 14.9 | 4.2 |
| 2009 | 12.9 | 14.9 | 11.2 | 12.9 | 15.1 | 11.0 | 13.8 | 16.7 | 11.5 | 14.1 | 14.0 | 14.9 | 8.5 | 7.4 | 9.1 | 13.8 | 16.4 | 12.5 |
| 2010 | 13.8 | 16.6 | 11.4 | 13.9 | 16.0 | 12.1 | 13.5 | 19.0 | 9.2 | 21.9 | 28.9 | 16.0 | 12.4 | 19.9 | 8.0 | 10.3 | 22.2 | 2.6 |
| 2011 | 13.4 | 15.4 | 11.6 | 14.4 | 15.3 | 11.4 | 13.6 | 16.5 | 11.2 | 20.2 | 12.6 | 25.6 | 9.9 | 12.0 | 7.4 | 14.3 | 16.2 | 12.7 |
| 2012 | 13.1 | 15.8 | 10.7 | 13.4 | 16.0 | 11.2 | 12.2 | 17.0 | 8.3 | 20.5 | 23.9 | 17.4 | 7.1 | 7.8 | 6.3 | 9.8 | 8.0 | 11.4 |
| 2013 | 13.6 | 15.3 | 12.3 | 13.7 | 15.5 | 12.2 | 12.5 | 14.3 | 10.9 | 21.7 | 19.6 | 23.0 | 11.3 | 7.3 | 14.0 | 12.1 | 13.0 | 11.7 |
| 2014 | 12.4 | 14.6 | 10.5 | 13.2 | 15.0 | 11.5 | 10.8 | 15.1 | 7.4 | 15.8 | 18.4 | 14.3 | 7.0 | 9.5 | 4.7 | 7.2 | 8.3 | 6.3 |
| 2015 | 12.9 | 15.6 | 10.5 | 12.9 | 15.1 | 10.9 | 11.8 | 16.6 | 8.0 | 19.5 | 25.1 | 15.0 | 13.3 | 18.8 | 9.6 | 9.4 | 17.1 | 4.9 |
| 2016 | 12.9 | 15.4 | 10.6 | 13.2 | 15.6 | 11.2 | 11.1 | 14.7 | 7.8 | 17.4 | 17.9 | 16.1 | 8.0 | 7.7 | 8.3 | 13.1 | 10.6 | 13.8 |
| 2017 | 13.0 | 16.0 | 10.2 | 13.2 | 16.4 | 10.3 | 12.7 | 16.6 | 9.5 | 15.1 | 13.8 | 16.1 | 11.1 | 14.1 | 8.4 | 6.0 | 11.3 | 2.4 |
| 2018 | 12.9 | 15.8 | 10.3 | 12.7 | 14.9 | 10.7 | 13.8 | 20.0 | 9.0 | 17.2 | 26.2 | 10.8 | 10.8 | 16.3 | 6.9 | 12.5 | 18.3 | 9.0 |
| 2019 | 12.3 | 14.6 | 10.1 | 12.4 | 15.0 | 10.0 | 11.2 | 12.5 | 9.8 | 14.2 | 17.3 | 11.3 | 12.9 | 17.2 | 10.4 | 11.0 | 10.2 | 11.6 |
| 2020 | 12.7 | 14.2 | 11.4 | 12.9 | 14.0 | 11.9 | 11.3 | 14.6 | 8.7 | 18.2 | 18.3 | 17.6 | 12.8 | 15.3 | 10.5 | 9.2 | 9.1 | 9.4 |
| 2021 | 12.4 | 14.6 | 10.4 | 12.6 | 14.6 | 10.8 | 11.9 | 15.1 | 9.2 | 15.9 | 15.0 | 16.1 | 8.2 | 10.7 | 5.8 | 9.6 | 10.5 | 9.0 |
| -----Female breast cancer | | | | | | | | | | | | | | | | | | |
| 2000 | NA | NA | 25.4 | NA | NA | 26.2 | NA | NA | 20.7 | NA | NA | 29.5 | NA | NA | 12.1 | NA | NA | 12.8 |
| 2001 | NA | NA | 23.6 | NA | NA | 24.7 | NA | NA | 17.5 | NA | NA | 55.8 | NA | NA | 11.7 | NA | NA | 12.7 |
| 2002 | NA | NA | 22.2 | NA | NA | 22.5 | NA | NA | 18.7 | NA | NA | 42.3 | NA | NA | 9.6 | NA | NA | 17.7 |
| 2003 | NA | NA | 22.1 | NA | NA | 22.3 | NA | NA | 18.9 | NA | NA | 41.2 | NA | NA | 16.4 | NA | NA | 19.6 |
| 2004 | NA | NA | 21.4 | NA | NA | 21.4 | NA | NA | 18.0 | NA | NA | 32.2 | NA | NA | 18.4 | NA | NA | 35.2 |
| 2005 | NA | NA | 20.7 | NA | NA | 20.5 | NA | NA | 19.8 | NA | NA | 35.7 | NA | NA | 14.9 | NA | NA | 17.3 |
| 2006 | NA | NA | 21.6 | NA | NA | 23.2 | NA | NA | 14.0 | NA | NA | 25.7 | NA | NA | 6.9 | NA | NA | 7.5 |
| 2007 | NA | NA | 20.1 | NA | NA | 20.5 | NA | NA | 16.9 | NA | NA | 23.9 | NA | NA | 16.2 | NA | NA | 11.3 |
| 2008 | NA | NA | 19.8 | NA | NA | 20.6 | NA | NA | 15.1 | NA | NA | 38.0 | NA | NA | 11.6 | NA | NA | 7.1 |
| 2009 | NA | NA | 19.2 | NA | NA | 19.8 | NA | NA | 16.4 | NA | NA | 30.7 | NA | NA | 11.6 | NA | NA | 5.9 |
| 2010 | NA | NA | 19.2 | NA | NA | 19.9 | NA | NA | 18.5 | NA | NA | 25.8 | NA | NA | 8.2 | NA | NA | 12.9 |
| 2011 | NA | NA | 19.7 | NA | NA | 20.8 | NA | NA | 12.2 | NA | NA | 24.1 | NA | NA | 7.5 | NA | NA | 15.6 |
| 2012 | NA | NA | 19.2 | NA | NA | 20.0 | NA | NA | 14.8 | NA | NA | 30.3 | NA | NA | 8.6 | NA | NA | 15.3 |
| 2013 | NA | NA | 20.7 | NA | NA | 21.3 | NA | NA | 19.7 | NA | NA | 23.3 | NA | NA | 13.1 | NA | NA | 11.4 |
| 2014 | NA | NA | 17.9 | NA | NA | 18.5 | NA | NA | 16.5 | NA | NA | 29.4 | NA | NA | 9.2 | NA | NA | 6.3 |
| 2015 | NA | NA | 19.2 | NA | NA | 20.7 | NA | NA | 12.9 | NA | NA | 23.1 | NA | NA | 12.8 | NA | NA | 13.3 |
| 2016 | NA | NA | 19.4 | NA | NA | 20.8 | NA | NA | 13.9 | NA | NA | 23.0 | NA | NA | 11.8 | NA | NA | 13.4 |
| 2017 | NA | NA | 18.2 | NA | NA | 18.7 | NA | NA | 13.3 | NA | NA | 36.7 | NA | NA | 13.0 | NA | NA | 14.5 |
| 2018 | NA | NA | 17.6 | NA | NA | 18.7 | NA | NA | 13.8 | NA | NA | 24.9 | NA | NA | 9.1 | NA | NA | 17.6 |
| 2019 | N/A | N/A | 18.8 | N/A | N/A | 19.1 | N/A | N/A | 15.2 | N/A | N/A | 39.3 | N/A | N/A | 17.6 | N/A | N/A | 13.8 |
| 2020 | N/A | N/A | 18.5 | N/A | N/A | 19.5 | N/A | N/A | 15.9 | N/A | N/A | 28.2 | N/A | N/A | 6.5 | N/A | N/A | 13.5 |
| 2021 | N/A | N/A | 19.5 | N/A | N/A | 19.9 | N/A | N/A | 15.5 | N/A | N/A | 30.5 | N/A | N/A | 18.3 | N/A | N/A | 17.7 |

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2021

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|-------------------------------------------------------|------------|------|------|--------------------|------|------|--------------------|------|------|---------------------------|------|------|----------------------------------|------|------|---------------------------|------|------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| -----Prostate cancer | | | | | | | | | | | | | | | | | | |
| 2000 | NA | 28.4 | NA | NA | 28.0 | NA | NA | 30.0 | NA | NA | 74.8 | NA | NA | 27.1 | NA | NA | 8.9 | NA |
| 2001 | NA | 24.3 | NA | NA | 24.1 | NA | NA | 26.3 | NA | NA | 45.0 | NA | NA | 14.0 | NA | NA | 24.2 | NA |
| 2002 | NA | 24.8 | NA | NA | 24.1 | NA | NA | 35.3 | NA | NA | 48.6 | NA | NA | 12.5 | NA | NA | 8.4 | NA |
| 2003 | NA | 25.1 | NA | NA | 25.2 | NA | NA | 22.4 | NA | NA | 41.2 | NA | NA | 21.0 | NA | NA | 7.6 | NA |
| 2004 | NA | 24.0 | NA | NA | 22.6 | NA | NA | 35.0 | NA | NA | 54.6 | NA | NA | 31.2 | NA | NA | 6.1 | NA |
| 2005 | NA | 23.8 | NA | NA | 23.5 | NA | NA | 30.6 | NA | NA | 20.4 | NA | NA | 23.5 | NA | NA | 5.1 | NA |
| 2006 | NA | 20.1 | NA | NA | 19.2 | NA | NA | 25.9 | NA | NA | 34.9 | NA | NA | 16.9 | NA | NA | 24.0 | NA |
| 2007 | NA | 18.9 | NA | NA | 19.5 | NA | NA | 15.8 | NA | NA | 23.6 | NA | NA | 16.6 | NA | NA | 19.4 | NA |
| 2008 | NA | 19.1 | NA | NA | 18.9 | NA | NA | 20.3 | NA | NA | 20.5 | NA | NA | 14.7 | NA | NA | 25.5 | NA |
| 2009 | NA | 18.4 | NA | NA | 18.2 | NA | NA | 20.0 | NA | NA | 28.9 | NA | NA | 16.4 | NA | NA | 2.1 | NA |
| 2010 | NA | 19.1 | NA | NA | 18.4 | NA | NA | 23.9 | NA | NA | 35.2 | NA | NA | 21.6 | NA | NA | 12.6 | NA |
| 2011 | NA | 19.8 | NA | NA | 19.5 | NA | NA | 20.6 | NA | NA | 24.1 | NA | NA | 17.1 | NA | NA | 5.0 | NA |
| 2012 | NA | 18.9 | NA | NA | 18.8 | NA | NA | 22.0 | NA | NA | 26.7 | NA | NA | 12.4 | NA | NA | 9.8 | NA |
| 2013 | NA | 18.2 | NA | NA | 18.0 | NA | NA | 17.0 | NA | NA | 26.7 | NA | NA | 19.9 | NA | NA | 18.5 | NA |
| 2014 | NA | 17.0 | NA | NA | 17.0 | NA | NA | 15.5 | NA | NA | 24.0 | NA | NA | 23.0 | NA | NA | 7.4 | NA |
| 2015 | NA | 17.6 | NA | NA | 17.3 | NA | NA | 17.6 | NA | NA | 29.6 | NA | NA | 26.0 | NA | NA | 10.7 | NA |
| 2016 | NA | 18.8 | NA | NA | 18.6 | NA | NA | 19.4 | NA | NA | 39.5 | NA | NA | 15.9 | NA | NA | 6.4 | NA |
| 2017 | NA | 16.8 | NA | NA | 16.5 | NA | NA | 16.3 | NA | NA | 26.3 | NA | NA | 19.9 | NA | NA | 9.7 | NA |
| 2018 | NA | 17.4 | NA | NA | 17.1 | NA | NA | 15.8 | NA | NA | 30.5 | NA | NA | 23.7 | NA | NA | 12.1 | NA |
| 2019 | N/A | 17.4 | N/A | N/A | 17.0 | N/A | N/A | 16.9 | N/A | N/A | 41.9 | N/A | N/A | 19.0 | N/A | N/A | 9.9 | N/A |
| 2020 | N/A | 18.5 | N/A | N/A | 18.2 | N/A | N/A | 18.3 | N/A | N/A | 35.4 | N/A | N/A | 17.5 | N/A | N/A | 8.1 | N/A |
| 2021 | N/A | 17.2 | N/A | N/A | 16.6 | N/A | N/A | 18.2 | N/A | N/A | 37.0 | N/A | N/A | 13.0 | N/A | N/A | 9.3 | N/A |
| Chronic lower respiratory diseases^b | | | | | | | | | | | | | | | | | | |
| 2000 | 47.4 | 56.2 | 41.3 | 51.1 | 59.8 | 44.8 | 24.4 | 38.2 | 15.9 | 30.4 | 38.4 | 26.3 | 21.9 | 28.9 | 17.9 | 12.7 | 7.8 | 16.5 |
| 2001 | 46.9 | 53.9 | 42.2 | 51.0 | 58.1 | 46.2 | 17.7 | 25.4 | 12.5 | 37.9 | 48.9 | 32.2 | 26.8 | 30.0 | 24.3 | 21.4 | 19.2 | 23.0 |
| 2002 | 47.0 | 57.1 | 40.3 | 50.4 | 59.4 | 44.5 | 25.2 | 46.6 | 11.2 | 38.3 | 59.0 | 21.9 | 22.3 | 30.1 | 17.0 | 24.5 | 45.8 | 9.0 |
| 2003 | 45.4 | 53.8 | 40.0 | 48.3 | 56.5 | 42.9 | 28.7 | 39.9 | 22.1 | 30.3 | 39.7 | 23.1 | 19.4 | 20.8 | 18.4 | 15.5 | 34.4 | 2.1 |
| 2004 | 41.9 | 48.1 | 37.7 | 45.1 | 51.3 | 41.0 | 22.7 | 29.5 | 17.8 | 24.9 | 38.8 | 14.8 | 10.8 | 4.7 | 15.1 | 21.6 | 27.1 | 14.2 |
| 2005 | 46.8 | 51.3 | 43.5 | 49.6 | 53.6 | 46.7 | 31.6 | 42.7 | 24.0 | 43.9 | 49.4 | 37.9 | 12.0 | 12.9 | 11.4 | 17.9 | 22.6 | 13.8 |
| 2006 | 44.3 | 50.2 | 40.1 | 49.2 | 55.5 | 44.7 | 18.3 | 20.9 | 16.2 | 27.3 | 28.8 | 25.6 | 8.4 | 6.2 | 10.4 | 9.9 | 26.2 | 0.0 |
| 2007 | 39.2 | 43.5 | 36.0 | 43.7 | 47.9 | 40.7 | 18.8 | 26.4 | 13.4 | 18.7 | 10.1 | 26.7 | 13.0 | 20.1 | 8.4 | 7.5 | 19.9 | 6.1 |
| 2008 | 42.1 | 46.5 | 38.9 | 46.7 | 50.8 | 43.7 | 20.5 | 24.3 | 18.0 | 26.0 | 33.9 | 19.1 | 15.8 | 23.9 | 9.5 | 13.7 | 22.4 | 8.5 |
| 2009 | 40.5 | 44.7 | 37.1 | 45.0 | 48.7 | 42.1 | 16.4 | 20.2 | 13.4 | 26.8 | 34.1 | 20.8 | 19.2 | 29.5 | 12.3 | 18.0 | 33.4 | 8.1 |
| 2010 | 42.6 | 48.1 | 38.6 | 47.1 | 52.2 | 43.4 | 18.6 | 25.4 | 14.3 | 27.4 | 32.2 | 23.8 | 21.7 | 24.1 | 20.0 | 12.0 | 29.5 | 1.7 |
| 2011 | 45.9 | 49.7 | 42.8 | 55.3 | 53.3 | 48.5 | 19.5 | 26.5 | 14.7 | 34.8 | 48.5 | 24.7 | 14.4 | 14.7 | 14.4 | 17.2 | 26.4 | 11.9 |
| 2012 | 44.2 | 50.5 | 39.5 | 49.4 | 55.5 | 44.8 | 20.3 | 27.1 | 16.1 | 35.0 | 43.4 | 30.9 | 18.0 | 27.4 | 12.1 | 14.7 | 14.3 | 14.2 |
| 2013 | 44.5 | 48.1 | 41.8 | 49.3 | 52.5 | 47.0 | 20.9 | 24.6 | 18.2 | 46.7 | 56.4 | 37.5 | 15.5 | 11.7 | 18.4 | 19.4 | 32.0 | 12.4 |
| 2014 | 41.1 | 45.8 | 37.5 | 45.9 | 49.7 | 43.0 | 21.1 | 28.7 | 15.9 | 34.0 | 47.4 | 26.1 | 12.4 | 13.7 | 11.7 | 17.3 | 33.8 | 7.6 |
| 2015 | 45.1 | 48.9 | 41.7 | 50.8 | 53.7 | 48.0 | 21.5 | 27.9 | 16.8 | 34.0 | 51.8 | 20.6 | 14.8 | 16.5 | 13.0 | 18.1 | 17.5 | 18.4 |
| 2016 | 45.0 | 47.6 | 42.9 | 50.9 | 52.7 | 49.4 | 20.0 | 23.2 | 17.7 | 43.8 | 51.5 | 39.2 | 19.5 | 27.2 | 15.1 | 11.3 | 19.4 | 5.9 |
| 2017 | 43.0 | 45.3 | 41.0 | 48.0 | 49.7 | 46.5 | 19.9 | 23.7 | 17.1 | 28.8 | 21.3 | 34.3 | 22.9 | 27.4 | 19.9 | 20.1 | 29.6 | 14.3 |
| 2018 | 42.6 | 44.7 | 40.7 | 48.0 | 49.2 | 46.8 | 18.3 | 22.7 | 14.8 | 38.2 | 41.4 | 35.9 | 20.8 | 22.2 | 20.2 | 17.2 | 17.2 | 17.3 |
| 2019 | 39.2 | 41.9 | 37.0 | 43.7 | 45.1 | 42.5 | 20.1 | 25.9 | 16.1 | 34.2 | 49.7 | 23.4 | 18.1 | 21.5 | 15.6 | 11.6 | 13.2 | 10.6 |
| 2020 | 38.8 | 41.2 | 36.8 | 43.1 | 44.4 | 41.9 | 21.9 | 27.0 | 18.2 | 27.4 | 30.4 | 25.2 | 20.9 | 27.5 | 16.5 | 14.3 | 20.5 | 11.0 |
| 2021 | 35.3 | 36.4 | 34.3 | 39.8 | 40.0 | 39.5 | 17.2 | 21.4 | 14.1 | 25.7 | 23.9 | 27.9 | 15.2 | 19.4 | 12.4 | 13.7 | 22.1 | 8.4 |

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2021

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|--------------------------------------------|------------|------|------|--------------------|------|------|--------------------|------|------|---------------------------|------|------|----------------------------------|-------|-------|---------------------------|------|------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| Chronic liver disease and cirrhosis | | | | | | | | | | | | | | | | | | |
| 2000 | 12.8 | 17.7 | 8.3 | 10.4 | 14.9 | 6.4 | 15.8 | 20.5 | 11.0 | 6.6 | 7.1 | 5.9 | 61.7 | 80.2 | 45.3 | 4.1 | 6.9 | 2.2 |
| 2001 | 12.3 | 17.7 | 7.5 | 10.6 | 15.0 | 6.6 | 17.4 | 27.0 | 8.7 | 11.7 | 24.1 | 2.0 | 39.1 | 51.1 | 28.4 | 4.0 | 3.8 | 4.2 |
| 2002 | 12.1 | 15.6 | 8.9 | 9.9 | 11.9 | 8.0 | 21.6 | 31.9 | 12.3 | 9.8 | 14.6 | 5.5 | 40.5 | 55.6 | 27.5 | 5.3 | 2.9 | 7.0 |
| 2003 | 11.5 | 16.2 | 7.1 | 9.7 | 13.8 | 5.8 | 17.6 | 25.1 | 10.6 | 3.5 | 6.3 | 1.0 | 38.8 | 49.6 | 29.8 | 3.3 | 0.0 | 5.8 |
| 2004 | 11.1 | 15.6 | 6.9 | 8.4 | 11.7 | 5.4 | 18.6 | 26.6 | 10.6 | 6.7 | 7.3 | 6.5 | 51.0 | 68.9 | 36.1 | 3.8 | 7.0 | 2.4 |
| 2005 | 12.7 | 17.7 | 8.1 | 10.7 | 15.1 | 6.6 | 19.4 | 28.6 | 11.4 | 12.8 | 14.7 | 10.7 | 51.2 | 60.3 | 42.8 | 4.9 | 10.4 | 0.0 |
| 2006 | 11.4 | 14.3 | 8.5 | 9.6 | 11.8 | 7.6 | 15.5 | 19.9 | 11.1 | 7.2 | 11.6 | 4.2 | 43.6 | 54.3 | 32.7 | 3.1 | 3.8 | 2.5 |
| 2007 | 11.3 | 15.4 | 7.6 | 9.6 | 13.0 | 6.6 | 16.3 | 23.5 | 9.4 | 5.9 | 9.9 | 2.3 | 36.8 | 46.9 | 28.3 | 3.2 | 5.5 | 4.2 |
| 2008 | 11.7 | 15.3 | 8.4 | 10.0 | 13.2 | 7.1 | 15.4 | 19.9 | 11.2 | 7.5 | 9.2 | 5.6 | 40.7 | 52.8 | 30.5 | 1.8 | 2.6 | 1.1 |
| 2009 | 12.2 | 15.4 | 9.1 | 9.5 | 12.8 | 6.4 | 18.7 | 21.4 | 15.7 | 3.1 | 3.4 | 2.7 | 54.0 | 57.9 | 49.9 | 3.1 | 6.4 | 1.1 |
| 2010 | 12.3 | 16.1 | 8.8 | 9.7 | 13.6 | 6.1 | 15.5 | 20.9 | 10.3 | 8.0 | 9.5 | 7.0 | 64.6 | 63.9 | 64.9 | 0.5 | 1.2 | 0.0 |
| 2011 | 13.4 | 18.0 | 9.2 | 12.0 | 14.7 | 8.1 | 18.9 | 29.2 | 9.8 | 6.6 | 5.5 | 7.6 | 43.6 | 46.7 | 40.4 | 4.2 | 9.0 | 0.9 |
| 2012 | 13.6 | 18.7 | 9.0 | 11.4 | 15.9 | 7.2 | 16.9 | 25.7 | 9.2 | 10.9 | 14.8 | 8.5 | 59.2 | 63.3 | 55.5 | 2.6 | 6.1 | 0.0 |
| 2013 | 14.5 | 18.2 | 11.1 | 12.6 | 15.5 | 10.0 | 16.7 | 23.0 | 10.8 | 6.8 | 9.9 | 3.9 | 62.0 | 70.1 | 55.0 | 3.9 | 4.3 | 3.4 |
| 2014 | 13.2 | 16.5 | 10.1 | 10.9 | 14.1 | 7.9 | 18.0 | 22.4 | 13.6 | 8.3 | 10.7 | 5.5 | 52.7 | 48.0 | 55.5 | 3.8 | 4.0 | 3.6 |
| 2015 | 14.9 | 19.2 | 11.0 | 13.1 | 16.1 | 10.3 | 14.0 | 22.0 | 7.0 | 8.4 | 12.3 | 4.6 | 77.6 | 91.8 | 66.1 | 4.0 | 8.3 | 0.8 |
| 2016 | 15.1 | 19.8 | 10.8 | 12.5 | 16.0 | 9.2 | 16.8 | 24.2 | 10.3 | 7.7 | 12.7 | 2.9 | 85.9 | 107.3 | 67.2 | 2.0 | 5.2 | 0.0 |
| 2017 | 14.2 | 18.0 | 10.7 | 11.9 | 14.6 | 9.3 | 15.8 | 23.1 | 9.6 | 4.6 | 7.2 | 2.1 | 74.0 | 85.4 | 63.7 | 4.8 | 8.8 | 2.0 |
| 2018 | 14.2 | 17.9 | 10.9 | 11.3 | 13.7 | 9.1 | 15.1 | 22.9 | 8.3 | 6.8 | 8.5 | 5.5 | 88.8 | 101.9 | 77.1 | 3.4 | 5.7 | 1.8 |
| 2019 | 14.7 | 18.8 | 10.8 | 12.4 | 15.6 | 9.3 | 14.5 | 21.0 | 8.7 | 7.8 | 9.9 | 6.0 | 82.7 | 98.2 | 68.8 | 3.9 | 1.8 | 5.4 |
| 2020 | 17.4 | 21.6 | 13.4 | 14.9 | 18.6 | 11.5 | 16.7 | 23.3 | 10.7 | 4.3 | 6.2 | 2.5 | 103.2 | 110.6 | 95.5 | 3.1 | 2.9 | 3.3 |
| 2021 | 21.6 | 26.5 | 17.0 | 17.5 | 21.3 | 14.1 | 18.6 | 24.2 | 13.2 | 12.9 | 16.0 | 9.6 | 145.7 | 170.0 | 123.9 | 4.3 | 4.9 | 3.6 |
| Diabetes | | | | | | | | | | | | | | | | | | |
| 2000 | 19.0 | 21.0 | 17.2 | 14.9 | 17.4 | 12.6 | 41.1 | 41.9 | 40.6 | 46.0 | 40.9 | 47.4 | 74.6 | 74.1 | 74.2 | 19.5 | 10.9 | 26.1 |
| 2001 | 19.9 | 22.9 | 17.5 | 15.4 | 19.2 | 12.2 | 42.9 | 43.5 | 42.3 | 55.7 | 42.2 | 64.1 | 72.8 | 71.2 | 73.9 | 14.8 | 3.0 | 23.3 |
| 2002 | 22.3 | 25.6 | 19.7 | 18.0 | 21.8 | 15.1 | 45.6 | 49.1 | 42.6 | 41.0 | 46.4 | 37.2 | 80.8 | 69.2 | 88.6 | 21.9 | 15.7 | 26.3 |
| 2003 | 20.3 | 23.6 | 17.5 | 16.5 | 20.6 | 13.1 | 39.1 | 35.9 | 40.9 | 53.6 | 55.0 | 49.8 | 55.8 | 48.2 | 60.3 | 15.7 | 22.2 | 11.6 |
| 2004 | 20.7 | 23.4 | 18.4 | 16.8 | 19.7 | 14.4 | 43.5 | 44.2 | 42.0 | 44.8 | 47.7 | 42.6 | 59.0 | 58.4 | 58.8 | 30.0 | 29.1 | 31.6 |
| 2005 | 20.1 | 24.7 | 16.7 | 15.5 | 20.2 | 12.1 | 46.0 | 49.9 | 42.4 | 55.2 | 56.2 | 54.0 | 69.9 | 73.5 | 68.2 | 17.8 | 17.7 | 18.0 |
| 2006 | 18.9 | 22.5 | 15.9 | 15.2 | 18.4 | 12.5 | 40.4 | 46.1 | 35.3 | 43.9 | 49.7 | 42.3 | 43.9 | 49.3 | 39.5 | 10.9 | 9.7 | 11.4 |
| 2007 | 17.0 | 20.5 | 13.9 | 13.7 | 17.4 | 10.4 | 30.8 | 32.6 | 28.9 | 30.3 | 32.0 | 30.0 | 51.1 | 61.1 | 42.1 | 5.1 | 12.8 | 4.4 |
| 2008 | 17.0 | 20.7 | 13.9 | 13.8 | 17.9 | 10.5 | 29.1 | 29.7 | 27.7 | 30.8 | 35.4 | 29.2 | 50.8 | 47.9 | 52.5 | 16.1 | 22.9 | 12.3 |
| 2009 | 15.7 | 18.2 | 13.5 | 12.2 | 15.5 | 9.4 | 28.1 | 29.2 | 27.2 | 31.1 | 28.6 | 34.9 | 54.2 | 46.6 | 59.9 | 16.2 | 18.5 | 14.4 |
| 2010 | 20.1 | 24.9 | 16.0 | 15.2 | 20.1 | 11.0 | 37.3 | 45.0 | 31.4 | 50.0 | 56.8 | 45.5 | 79.3 | 80.6 | 76.9 | 11.7 | 9.3 | 13.1 |
| 2011 | 24.8 | 30.3 | 20.2 | 21.6 | 25.1 | 15.7 | 41.7 | 48.4 | 35.9 | 57.8 | 71.9 | 44.4 | 61.3 | 50.7 | 68.8 | 23.3 | 32.4 | 17.4 |
| 2012 | 23.5 | 29.2 | 18.6 | 18.3 | 23.9 | 13.5 | 40.8 | 47.4 | 35.4 | 49.4 | 59.0 | 40.6 | 80.2 | 94.1 | 69.7 | 27.6 | 27.8 | 26.6 |
| 2013 | 23.6 | 29.1 | 18.8 | 18.6 | 24.0 | 14.0 | 40.7 | 45.8 | 36.3 | 60.2 | 68.0 | 55.8 | 65.7 | 79.7 | 55.0 | 17.9 | 18.5 | 17.9 |
| 2014 | 23.0 | 28.9 | 17.8 | 18.8 | 24.6 | 13.6 | 39.1 | 46.8 | 32.6 | 39.7 | 41.8 | 37.1 | 63.2 | 74.7 | 54.5 | 18.3 | 30.1 | 10.9 |
| 2015 | 25.7 | 31.8 | 20.4 | 20.1 | 25.8 | 15.1 | 45.3 | 53.2 | 38.7 | 53.0 | 67.5 | 42.6 | 73.9 | 85.6 | 65.3 | 22.7 | 29.3 | 18.4 |
| 2016 | 24.5 | 31.5 | 18.4 | 19.3 | 25.8 | 13.5 | 40.5 | 51.4 | 32.1 | 50.1 | 55.9 | 44.9 | 79.9 | 100.4 | 63.5 | 20.8 | 14.9 | 24.0 |
| 2017 | 23.8 | 30.1 | 18.3 | 18.1 | 23.5 | 13.3 | 39.4 | 48.7 | 31.7 | 45.9 | 49.5 | 42.3 | 81.6 | 101.9 | 64.8 | 21.3 | 22.6 | 20.3 |
| 2018 | 23.0 | 29.8 | 17.1 | 18.0 | 24.0 | 12.6 | 35.0 | 44.0 | 27.4 | 48.9 | 54.7 | 44.5 | 73.6 | 92.4 | 59.1 | 17.0 | 25.9 | 11.4 |
| 2019 | 23.9 | 30.5 | 18.1 | 18.9 | 25.6 | 12.9 | 34.6 | 42.0 | 28.8 | 43.6 | 44.6 | 42.0 | 91.4 | 106.3 | 78.5 | 19.5 | 23.4 | 16.6 |
| 2020 | 27.9 | 36.0 | 20.7 | 21.4 | 28.2 | 15.2 | 43.1 | 56.0 | 32.6 | 51.7 | 61.9 | 42.1 | 106.4 | 137.7 | 82.1 | 22.1 | 24.9 | 19.8 |
| 2021 | 26.8 | 32.6 | 21.6 | 20.0 | 24.8 | 15.8 | 42.5 | 51.6 | 35.1 | 48.3 | 51.2 | 46.2 | 97.6 | 116.1 | 81.5 | 30.1 | 38.6 | 24.5 |

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2021

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|-------------------------------------------|------------|-------|------|--------------------|-------|------|--------------------|------|------|---------------------------|-------|------|----------------------------------|-------|-------|---------------------------|------|------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| Accidents (unintentional injuries) | | | | | | | | | | | | | | | | | | |
| 2000 | 41.1 | 58.0 | 24.9 | 36.9 | 51.5 | 23.3 | 41.6 | 60.8 | 22.5 | 49.7 | 75.8 | 22.7 | 113.1 | 165.2 | 67.4 | 24.1 | 24.4 | 21.4 |
| 2001 | 46.6 | 66.5 | 27.7 | 42.5 | 59.5 | 26.8 | 45.6 | 63.9 | 25.9 | 52.6 | 83.2 | 22.4 | 112.7 | 177.5 | 53.9 | 29.9 | 41.3 | 46.6 |
| 2002 | 45.2 | 62.8 | 28.8 | 41.5 | 56.8 | 27.8 | 45.5 | 64.6 | 26.2 | 44.0 | 58.5 | 28.5 | 111.0 | 168.4 | 60.4 | 15.5 | 13.8 | 15.6 |
| 2003 | 44.8 | 61.6 | 28.8 | 40.9 | 55.2 | 27.6 | 44.7 | 63.3 | 26.3 | 52.4 | 69.8 | 35.0 | 108.6 | 153.5 | 66.3 | 25.3 | 35.2 | 17.8 |
| 2004 | 46.0 | 61.1 | 31.7 | 43.3 | 56.8 | 30.7 | 48.9 | 66.1 | 31.8 | 45.9 | 66.9 | 26.0 | 103.9 | 137.5 | 73.7 | 21.2 | 21.7 | 30.0 |
| 2005 | 51.1 | 68.7 | 34.4 | 46.2 | 62.4 | 31.4 | 54.8 | 71.5 | 37.2 | 64.3 | 80.3 | 46.9 | 117.8 | 174.1 | 67.4 | 34.2 | 41.2 | 28.1 |
| 2006 | 51.2 | 68.5 | 34.3 | 48.7 | 64.5 | 33.5 | 52.4 | 72.9 | 32.2 | 54.8 | 73.0 | 34.5 | 97.2 | 139.8 | 58.6 | 19.8 | 17.0 | 20.8 |
| 2007 | 46.6 | 60.6 | 32.3 | 44.9 | 57.7 | 32.2 | 40.6 | 53.5 | 27.5 | 48.1 | 62.8 | 29.6 | 95.0 | 143.9 | 50.3 | 20.3 | 72.6 | 20.3 |
| 2008 | 44.7 | 59.0 | 30.6 | 45.4 | 59.8 | 31.4 | 34.2 | 46.9 | 22.0 | 43.1 | 50.6 | 33.8 | 92.6 | 142.6 | 47.9 | 23.7 | 31.1 | 17.9 |
| 2009 | 43.1 | 56.6 | 29.8 | 43.3 | 56.6 | 30.4 | 35.3 | 48.2 | 23.3 | 36.5 | 42.1 | 30.0 | 92.6 | 144.4 | 46.4 | 24.5 | 27.6 | 21.1 |
| 2010 | 43.8 | 56.6 | 31.6 | 45.5 | 58.0 | 33.3 | 33.7 | 45.3 | 22.8 | 36.0 | 42.3 | 30.7 | 99.2 | 148.9 | 55.4 | 24.6 | 24.9 | 23.9 |
| 2011 | 45.5 | 58.3 | 32.6 | 46.9 | 57.3 | 33.9 | 38.9 | 51.9 | 26.4 | 41.6 | 50.3 | 34.4 | 100.6 | 146.7 | 58.0 | 19.7 | 28.4 | 14.0 |
| 2012 | 42.4 | 54.0 | 31.0 | 43.3 | 54.0 | 32.7 | 33.9 | 45.4 | 22.8 | 38.2 | 50.3 | 25.2 | 94.8 | 136.9 | 56.5 | 21.0 | 20.0 | 20.3 |
| 2013 | 46.3 | 60.1 | 32.8 | 47.9 | 61.2 | 34.7 | 38.5 | 51.4 | 26.3 | 43.3 | 68.7 | 23.5 | 104.5 | 150.5 | 62.9 | 13.4 | 12.7 | 13.2 |
| 2014 | 43.3 | 56.7 | 30.1 | 43.7 | 57.7 | 29.9 | 35.9 | 47.3 | 24.9 | 37.6 | 44.1 | 32.2 | 85.4 | 128.2 | 47.4 | 18.3 | 15.5 | 19.3 |
| 2015 | 48.1 | 62.7 | 34.1 | 49.3 | 62.4 | 36.7 | 36.7 | 48.4 | 24.9 | 50.5 | 59.5 | 40.6 | 139.0 | 203.9 | 82.7 | 21.7 | 23.7 | 20.2 |
| 2016 | 53.7 | 73.1 | 34.9 | 55.2 | 73.8 | 36.9 | 41.6 | 58.2 | 25.9 | 52.2 | 66.0 | 35.8 | 139.1 | 219.5 | 67.9 | 25.9 | 33.4 | 20.1 |
| 2017 | 55.3 | 73.7 | 37.0 | 54.5 | 71.5 | 37.3 | 45.9 | 61.4 | 30.4 | 60.3 | 89.3 | 31.1 | 142.0 | 206.1 | 88.1 | 24.3 | 31.2 | 19.3 |
| 2018 | 55.9 | 76.4 | 35.6 | 56.3 | 74.7 | 37.8 | 44.5 | 63.5 | 26.0 | 57.6 | 80.4 | 34.1 | 144.5 | 224.0 | 74.5 | 24.9 | 31.5 | 18.7 |
| 2019 | 59.2 | 82.6 | 36.0 | 60.5 | 83.0 | 38.0 | 48.3 | 70.8 | 26.1 | 60.4 | 80.0 | 40.3 | 129.4 | 183.3 | 81.6 | 22.9 | 31.5 | 15.0 |
| 2020 | 71.5 | 100.6 | 42.4 | 69.2 | 94.4 | 43.8 | 60.4 | 89.5 | 31.5 | 82.2 | 124.6 | 38.0 | 180.1 | 262.7 | 104.9 | 20.2 | 24.8 | 16.1 |
| 2021 | 77.8 | 108.3 | 47.4 | 74.8 | 102.0 | 47.3 | 66.6 | 99.0 | 34.9 | 101.3 | 138.0 | 63.3 | 206.9 | 296.9 | 123.8 | 30.5 | 42.0 | 20.5 |
| -----Motor vehicle accidents | | | | | | | | | | | | | | | | | | |
| 2000 | 17.5 | 24.4 | 10.6 | 13.8 | 18.5 | 9.2 | 18.2 | 28.5 | 7.5 | 19.3 | 33.1 | 6.8 | 74.2 | 106.4 | 46.3 | 15.3 | 11.6 | 12.8 |
| 2001 | 17.2 | 24.2 | 10.1 | 13.5 | 18.5 | 8.5 | 18.2 | 26.3 | 9.4 | 19.1 | 28.8 | 7.2 | 63.2 | 88.8 | 38.3 | 8.6 | 7.7 | 9.9 |
| 2002 | 18.5 | 25.5 | 11.6 | 14.7 | 20.3 | 9.3 | 21.1 | 27.4 | 14.0 | 11.9 | 15.9 | 7.5 | 65.9 | 100.2 | 35.3 | 10.1 | 8.2 | 11.1 |
| 2003 | 18.0 | 24.9 | 11.2 | 14.6 | 20.3 | 9.0 | 21.3 | 29.1 | 13.6 | 15.2 | 23.3 | 8.1 | 59.0 | 78.0 | 40.4 | 11.8 | 14.1 | 9.9 |
| 2004 | 18.1 | 23.9 | 12.5 | 15.3 | 20.3 | 10.6 | 23.2 | 30.0 | 16.0 | 14.8 | 18.2 | 10.8 | 54.1 | 63.9 | 44.1 | 11.3 | 13.7 | 13.9 |
| 2005 | 18.9 | 27.0 | 11.1 | 15.0 | 21.9 | 8.4 | 22.7 | 33.1 | 12.6 | 24.9 | 31.4 | 17.8 | 62.6 | 91.3 | 36.4 | 10.2 | 14.5 | 6.3 |
| 2006 | 19.6 | 26.8 | 12.4 | 16.6 | 22.8 | 10.7 | 21.9 | 29.9 | 13.3 | 15.3 | 22.9 | 7.7 | 56.9 | 76.5 | 38.5 | 5.9 | 5.3 | 6.1 |
| 2007 | 16.2 | 22.2 | 10.1 | 13.1 | 18.3 | 8.0 | 17.6 | 22.6 | 12.2 | 13.6 | 18.2 | 7.6 | 49.0 | 72.8 | 27.2 | 9.9 | 37.6 | 10.6 |
| 2008 | 13.6 | 19.5 | 7.9 | 12.0 | 17.7 | 6.5 | 13.1 | 18.5 | 7.7 | 11.5 | 16.8 | 5.6 | 41.9 | 55.0 | 29.3 | 4.4 | 6.9 | 2.0 |
| 2009 | 11.6 | 16.8 | 6.5 | 10.1 | 15.2 | 5.1 | 10.6 | 14.4 | 6.7 | 12.4 | 14.2 | 10.3 | 36.9 | 51.0 | 23.3 | 6.5 | 11.2 | 3.0 |
| 2010 | 11.1 | 15.9 | 6.4 | 9.2 | 13.6 | 4.8 | 11.1 | 15.6 | 6.9 | 10.8 | 14.2 | 7.2 | 41.7 | 60.2 | 24.0 | 5.5 | 4.3 | 6.3 |
| 2011 | 12.1 | 17.6 | 6.9 | 10.4 | 14.5 | 5.6 | 11.7 | 17.6 | 6.2 | 11.7 | 16.6 | 7.5 | 44.2 | 66.8 | 23.7 | 6.8 | 6.3 | 7.3 |
| 2012 | 11.4 | 16.8 | 6.3 | 10.0 | 14.8 | 5.3 | 10.6 | 16.3 | 5.4 | 10.1 | 15.2 | 5.1 | 37.8 | 53.1 | 22.8 | 4.9 | 5.4 | 4.5 |
| 2013 | 11.4 | 16.3 | 6.6 | 10.2 | 15.1 | 5.3 | 11.4 | 15.5 | 7.3 | 12.0 | 18.1 | 4.8 | 31.7 | 40.3 | 23.5 | 5.8 | 8.6 | 3.8 |
| 2014 | 10.3 | 14.5 | 6.0 | 8.3 | 12.5 | 4.1 | 10.3 | 14.2 | 6.5 | 7.9 | 11.1 | 4.4 | 35.6 | 49.2 | 23.1 | 2.5 | 2.8 | 2.2 |
| 2015 | 12.6 | 18.0 | 7.2 | 10.7 | 15.5 | 5.9 | 9.9 | 15.2 | 4.8 | 14.1 | 19.1 | 8.2 | 54.3 | 74.1 | 36.5 | 8.2 | 7.9 | 8.3 |
| 2016 | 13.9 | 20.1 | 7.8 | 11.5 | 17.3 | 5.9 | 13.3 | 19.9 | 7.2 | 19.1 | 22.6 | 14.7 | 52.2 | 77.6 | 29.5 | 7.2 | 9.0 | 6.2 |
| 2017 | 13.8 | 19.5 | 8.2 | 12.0 | 17.8 | 6.1 | 12.7 | 17.7 | 8.1 | 17.1 | 26.0 | 8.6 | 54.0 | 70.0 | 39.7 | 7.5 | 10.1 | 5.2 |
| 2018 | 14.1 | 20.0 | 8.3 | 12.3 | 17.3 | 7.4 | 12.1 | 18.7 | 6.0 | 13.9 | 17.0 | 10.7 | 60.7 | 91.1 | 33.1 | 6.2 | 7.9 | 4.8 |
| 2019 | 13.1 | 18.9 | 7.5 | 12.4 | 18.0 | 6.9 | 12.5 | 19.1 | 6.3 | 12.0 | 16.2 | 7.8 | 36.7 | 48.4 | 26.5 | 6.1 | 10.4 | 2.6 |
| 2020 | 14.0 | 20.2 | 7.8 | 12.0 | 17.9 | 6.2 | 13.7 | 19.7 | 7.6 | 12.2 | 19.3 | 4.6 | 44.7 | 59.4 | 30.8 | 6.8 | 6.0 | 7.4 |
| 2021 | 18.4 | 25.7 | 11.2 | 16.1 | 23.4 | 8.7 | 16.7 | 24.2 | 9.7 | 23.3 | 30.2 | 15.8 | 65.5 | 85.8 | 47.7 | 6.6 | 8.2 | 4.8 |

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2021

| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|----------------------------------------|------------|------|-----|--------------------|------|------|--------------------|------|-----|---------------------------|------|------|----------------------------------|------|------|---------------------------|------|------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| Assault (homicide) | | | | | | | | | | | | | | | | | | |
| 2000 | 7.6 | 11.1 | 3.8 | 3.9 | 5.4 | 2.3 | 13.0 | 19.2 | 6.1 | 22.7 | 32.3 | 11.0 | 14.9 | 22.1 | 7.5 | 7.6 | 5.1 | 9.7 |
| 2001 | 8.7 | 13.7 | 3.6 | 4.3 | 6.1 | 2.6 | 15.5 | 24.8 | 5.0 | 22.2 | 35.7 | 6.8 | 17.2 | 24.8 | 10.0 | 4.9 | 9.7 | 1.2 |
| 2002 | 8.6 | 13.9 | 3.0 | 4.4 | 6.8 | 2.0 | 15.1 | 25.8 | 3.4 | 21.3 | 32.5 | 7.1 | 20.3 | 29.0 | 11.8 | 3.3 | 0.0 | 5.8 |
| 2003 | 8.3 | 12.8 | 3.6 | 3.7 | 5.1 | 2.2 | 14.7 | 23.7 | 4.8 | 24.9 | 38.7 | 9.0 | 18.8 | 31.5 | 6.9 | 5.4 | 2.5 | 5.8 |
| 2004 | 8.2 | 13.3 | 2.9 | 4.8 | 7.0 | 2.6 | 13.6 | 23.2 | 3.0 | 22.3 | 35.5 | 7.4 | 14.7 | 25.9 | 4.5 | 1.4 | 2.3 | 0.0 |
| 2005 | 8.2 | 13.5 | 2.6 | 3.5 | 5.6 | 1.3 | 14.6 | 24.2 | 3.9 | 27.4 | 45.7 | 7.5 | 14.0 | 22.4 | 5.8 | 5.1 | 8.0 | 2.5 |
| 2006 | 8.5 | 13.5 | 3.1 | 4.6 | 6.8 | 2.4 | 13.0 | 21.6 | 3.3 | 19.6 | 30.5 | 7.5 | 13.2 | 23.7 | 3.2 | 2.4 | 1.5 | 3.5 |
| 2007 | 7.7 | 11.8 | 3.2 | 3.9 | 5.5 | 2.2 | 12.0 | 19.5 | 3.7 | 23.4 | 32.3 | 12.7 | 13.1 | 21.7 | 4.8 | 2.6 | 16.0 | 1.6 |
| 2008 | 7.1 | 11.2 | 2.7 | 3.7 | 5.6 | 1.7 | 10.6 | 16.9 | 3.7 | 20.7 | 32.7 | 6.4 | 12.8 | 20.6 | 5.2 | 3.2 | 4.3 | 2.1 |
| 2009 | 5.5 | 8.0 | 2.9 | 3.2 | 4.9 | 1.5 | 8.1 | 12.1 | 4.0 | 14.2 | 18.5 | 9.1 | 13.2 | 18.0 | 8.5 | 0.9 | 0.0 | 1.5 |
| 2010 | 6.5 | 10.5 | 2.4 | 3.8 | 5.5 | 2.2 | 8.0 | 13.5 | 2.3 | 15.4 | 25.6 | 3.4 | 18.0 | 31.4 | 5.0 | 4.1 | 4.2 | 4.0 |
| 2011 | 6.1 | 9.6 | 2.6 | 3.5 | 5.1 | 1.8 | 7.9 | 14.0 | 2.0 | 16.5 | 23.8 | 7.9 | 11.9 | 18.9 | 4.8 | 3.9 | 5.5 | 2.7 |
| 2012 | 5.9 | 8.6 | 3.1 | 4.3 | 6.0 | 2.4 | 6.1 | 9.7 | 2.5 | 14.5 | 20.2 | 8.2 | 17.3 | 26.3 | 8.8 | 2.0 | 3.0 | 0.9 |
| 2013 | 5.9 | 9.2 | 2.5 | 4.0 | 6.2 | 1.7 | 5.8 | 9.0 | 2.4 | 15.4 | 25.4 | 3.6 | 17.7 | 29.6 | 6.2 | 1.9 | 2.1 | 1.7 |
| 2014 | 4.6 | 7.1 | 2.1 | 3.0 | 4.2 | 1.8 | 6.0 | 9.8 | 2.1 | 11.1 | 17.5 | 4.0 | 7.3 | 12.0 | 2.6 | 0.4 | 0.8 | 0.0 |
| 2015 | 5.6 | 8.6 | 2.5 | 4.0 | 5.7 | 2.3 | 5.3 | 8.3 | 2.2 | 15.5 | 25.7 | 3.6 | 15.7 | 25.7 | 5.8 | 2.4 | 3.0 | 1.7 |
| 2016 | 6.3 | 9.9 | 2.5 | 3.7 | 5.3 | 2.1 | 6.8 | 11.7 | 1.8 | 20.4 | 33.4 | 5.6 | 17.6 | 25.7 | 9.9 | 4.0 | 7.1 | 1.6 |
| 2017 | 6.4 | 10.0 | 2.8 | 4.1 | 5.5 | 2.7 | 6.8 | 11.1 | 2.5 | 17.9 | 30.0 | 4.1 | 17.9 | 30.7 | 5.5 | 0.7 | 0.8 | 0.6 |
| 2018 | 6.1 | 9.8 | 2.4 | 3.6 | 4.9 | 2.3 | 6.6 | 11.4 | 1.6 | 19.3 | 30.0 | 6.9 | 17.9 | 29.1 | 6.9 | 2.6 | 3.9 | 1.4 |
| 2019 | 5.9 | 9.1 | 2.6 | 3.7 | 5.5 | 1.9 | 5.8 | 9.3 | 2.1 | 15.2 | 22.8 | 6.6 | 20.3 | 32.6 | 8.6 | 2.3 | 4.2 | 0.6 |
| 2020 | 7.7 | 12.1 | 3.2 | 4.3 | 6.0 | 2.6 | 6.9 | 11.5 | 2.1 | 27.3 | 45.4 | 7.2 | 28.4 | 46.0 | 11.7 | 2.3 | 2.7 | 1.8 |
| 2021 | 8.1 | 13.2 | 2.9 | 4.0 | 6.6 | 1.3 | 9.1 | 14.9 | 3.1 | 29.5 | 46.9 | 10.5 | 23.7 | 35.1 | 12.4 | 3.8 | 5.8 | 2.0 |
| Intentional self-harm (suicide) | | | | | | | | | | | | | | | | | | |
| 2000 | 14.6 | 24.7 | 5.2 | 16.7 | 27.6 | 6.8 | 7.2 | 12.7 | 1.4 | 6.5 | 12.2 | 0.0 | 16.2 | 29.7 | 3.7 | 5.7 | 12.3 | 0.0 |
| 2001 | 14.9 | 24.6 | 5.6 | 12.8 | 21.0 | 5.1 | 5.9 | 9.9 | 1.6 | 9.2 | 15.2 | 2.4 | 15.4 | 26.4 | 5.2 | 9.4 | 15.4 | 4.7 |
| 2002 | 15.9 | 26.4 | 6.0 | 18.3 | 30.0 | 7.4 | 8.3 | 14.2 | 2.5 | 6.2 | 11.4 | 0.0 | 17.9 | 31.7 | 4.9 | 4.1 | 9.1 | 0.0 |
| 2003 | 14.6 | 24.0 | 5.8 | 16.4 | 27.1 | 6.4 | 8.2 | 11.8 | 4.2 | 11.3 | 16.6 | 4.8 | 15.2 | 27.4 | 3.6 | 6.0 | 7.0 | 5.9 |
| 2004 | 14.9 | 24.1 | 6.3 | 16.6 | 26.4 | 7.5 | 9.8 | 17.5 | 2.2 | 12.1 | 17.3 | 5.1 | 17.0 | 28.5 | 6.5 | 4.0 | 7.0 | 2.7 |
| 2005 | 15.4 | 24.9 | 6.5 | 16.6 | 26.7 | 7.3 | 10.5 | 17.8 | 3.0 | 3.3 | 4.7 | 1.8 | 17.5 | 28.7 | 6.8 | 11.7 | 8.9 | 14.1 |
| 2006 | 15.4 | 24.7 | 6.6 | 17.8 | 27.9 | 8.5 | 8.2 | 14.2 | 2.0 | 8.3 | 13.9 | 2.3 | 13.7 | 23.4 | 4.5 | 8.4 | 13.2 | 4.3 |
| 2007 | 15.4 | 24.4 | 6.7 | 18.7 | 29.4 | 8.3 | 9.2 | 14.7 | 3.6 | 6.2 | 10.1 | 1.7 | 9.8 | 16.3 | 3.6 | 6.1 | 9.2 | 2.4 |
| 2008 | 14.8 | 23.0 | 7.0 | 17.6 | 27.3 | 8.5 | 6.5 | 10.8 | 1.9 | 7.5 | 10.3 | 4.2 | 13.5 | 21.2 | 5.9 | 9.9 | 10.7 | 8.8 |
| 2009 | 16.1 | 24.6 | 8.1 | 18.4 | 28.0 | 9.5 | 9.0 | 14.0 | 3.9 | 10.5 | 12.7 | 7.7 | 15.9 | 22.9 | 9.3 | 9.9 | 19.9 | 2.3 |
| 2010 | 16.7 | 27.1 | 6.7 | 20.6 | 32.8 | 8.7 | 7.4 | 12.5 | 2.6 | 6.4 | 9.9 | 2.2 | 18.7 | 32.3 | 5.7 | 6.8 | 11.0 | 3.2 |
| 2011 | 17.2 | 27.4 | 7.5 | 22.0 | 33.1 | 10.1 | 8.1 | 14.8 | 1.8 | 9.1 | 13.7 | 4.3 | 14.9 | 24.0 | 5.8 | 5.3 | 6.9 | 3.5 |
| 2012 | 16.2 | 25.9 | 7.0 | 20.2 | 32.2 | 8.7 | 6.8 | 11.1 | 2.9 | 10.0 | 15.5 | 4.0 | 17.9 | 27.9 | 8.1 | 5.7 | 10.2 | 1.8 |
| 2013 | 17.0 | 26.6 | 7.7 | 20.8 | 32.4 | 9.6 | 8.4 | 12.8 | 4.2 | 6.7 | 9.7 | 3.1 | 21.9 | 36.1 | 8.1 | 7.0 | 14.5 | 1.1 |
| 2014 | 16.5 | 25.6 | 7.7 | 21.0 | 31.9 | 10.4 | 8.3 | 13.4 | 3.4 | 9.0 | 13.6 | 4.2 | 13.9 | 24.3 | 3.7 | 7.0 | 12.0 | 2.7 |
| 2015 | 17.8 | 27.5 | 8.4 | 23.6 | 36.4 | 11.1 | 6.7 | 10.4 | 3.2 | 6.6 | 9.2 | 3.7 | 19.0 | 28.4 | 10.0 | 7.0 | 9.9 | 4.5 |
| 2016 | 17.7 | 28.0 | 7.9 | 21.7 | 33.6 | 10.2 | 8.8 | 15.0 | 2.9 | 9.0 | 13.1 | 5.2 | 24.2 | 36.7 | 11.9 | 9.3 | 14.0 | 4.7 |
| 2017 | 18.0 | 28.1 | 8.4 | 22.1 | 33.8 | 10.8 | 8.5 | 14.1 | 3.0 | 10.5 | 19.1 | 2.3 | 26.2 | 40.4 | 12.7 | 9.3 | 10.6 | 7.8 |
| 2018 | 19.5 | 31.5 | 7.8 | 23.7 | 37.5 | 10.2 | 8.7 | 15.2 | 2.4 | 16.0 | 24.6 | 6.6 | 36.5 | 61.8 | 12.3 | 7.3 | 11.0 | 4.1 |
| 2019 | 18.9 | 29.7 | 8.3 | 23.1 | 36.4 | 10.1 | 9.9 | 16.4 | 3.7 | 12.5 | 14.1 | 11.1 | 26.8 | 41.8 | 12.4 | 7.3 | 11.5 | 3.9 |
| 2020 | 18.2 | 28.8 | 8.0 | 22.5 | 35.0 | 10.3 | 9.2 | 14.9 | 3.6 | 13.7 | 22.1 | 4.5 | 28.0 | 43.9 | 12.9 | 6.8 | 12.4 | 1.9 |
| 2021 | 19.4 | 31.2 | 7.9 | 23.3 | 37.5 | 9.3 | 10.0 | 16.6 | 3.6 | 13.3 | 21.3 | 4.4 | 39.7 | 62.8 | 17.5 | 9.8 | 12.5 | 7.4 |

Notes: ^a Adjusted to the 2000 standard U.S. population; ^b Chronic obstructive pulmonary diseases in 1990; Age-adjusted rates by race/ethnicity for COVID-19 may be found in Table 2b-4; beginning in 2000, when the new standard for the age-adjustment of mortality rates was implemented, all previously published rates for 1979-1999 became obsolete. With the 2008 edition of this report we have added the recomputed age-adjusted mortality rates for 1991-1999. In order to compute these rates, we have used the population denominators consistent with both the 1990 and 2000 census. The mortality rates for 1989-1999 in Table 2B-2 also were revised for consistency; The denominators are available at:

<http://pub.azdhs.gov/health-stats/>

**TABLE 2B-4
NUMBER OF DEATHS AND AGE-ADJUSTED MORTALITY RATES* FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND
GENDER, ARIZONA, 2021**

| | NUMBER OF DEATHS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|------------------|--------|--------|--------|--------|--------|--------------------|-------|-------|-------|--------------------|-------|-------|-------|---------------------------|-------|-----|-----|----------------------------------|--------|-------|--------|---------------------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------|-------|--------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|--------|-------|-------|--------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-----|-----|----|----|----|----|----|---|----|----|----|----|-------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|---|----|----|----|------|-----|-----|-----|----|-----|------|---|-----|-----|---|----|----|---|----|----|---|----|-----|-----|---|-----|-----|---|-----|-----|---|----|----|---|----|----|---|----|----|---|------|------|-----|-----|-----|----|----|---|---|----|---|---|----|---|---|---|---|---|-----|---|------|----|---|----|----|---|----|---|---|---|---|---|---|---|----|---|---|--------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|----|----|----|--------|-------|------|-------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|----|---|-------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|----|----|----|---|-------|-----|-----|-----|-----|-----|-----|----|----|----|---|---|----|----|----|----|----|----|------|-----|-----|----|----|----|-----|----|---|----|---|---|-----|---|---|-----|---|---|-------|-------|-------|-------|-------|-------|-----|-----|-----|----|----|----|----|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|-------|-----|-------|-------|-----|-------|-----|-----|-----|----|----|----|----|---|----|----|----|----|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|----|----|----|-------|-------|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|----|---|---|-------|-------|-----|-------|-----|-----|-----|-----|----|----|----|---|-----|----|----|----|----|----|-------|-----|-----|-----|-----|-----|-----|----|-----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|---|------|-----|------|-----|-----|-----|----|----|----|-----|---|---|----|----|---|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|---|----|------|-----|------|-----|-----|----|-----|-----|----|-----|----|----|----|----|----|-----|---|---|------|------|------|-----|-----|-----|----|----|----|----|----|---|----|----|----|-----|---|---|-----|-----|-----|-----|----|---|-----|----|---|-----|----|---|-----|---|---|----|---|---|--------|-------|------|-----|-----|-----|-----|-----|----|-----|-----|----|----|----|----|-----|----|---|-------|-------|-----|-------|-------|-----|-----|-----|-----|-----|-----|----|-----|-----|----|----|----|---|--------|-------|------|-------|-----|-----|-----|-----|-----|-----|-----|----|-----|----|----|-----|----|---|--------|-------|------|-------|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|---|---|
| | All groups | | | | | | White non-Hispanic | | | | Hispanic or Latino | | | | Black or African American | | | | American Indian or Alaska Native | | | | Asian or Pacific Islander | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total, all causes^b | 81,482 | 45,102 | 36,369 | 57,987 | 31,702 | 26,285 | 13,785 | 7,998 | 5,787 | 3,295 | 1,850 | 1,443 | 4,380 | 2,463 | 1,917 | 1,543 | 772 | 771 | 19,581 | 10,749 | 8,832 | 15,329 | 8,358 | 6,971 | 2,480 | 1,375 | 799 | 479 | 320 | 502 | 295 | 207 | 357 | 166 | 191 | 14,536 | 8,386 | 6,150 | 11,622 | 6,639 | 4,983 | 1,698 | 1,004 | 694 | 542 | 343 | 199 | 350 | 219 | 131 | 237 | 119 | 118 | 10,434 | 6,312 | 4,122 | 8,360 | 5,018 | 3,342 | 1,199 | 738 | 461 | 399 | 264 | 135 | 232 | 147 | 85 | 175 | 96 | 79 | 12,810 | 6,825 | 5,985 | 10,018 | 5,450 | 4,568 | 1,697 | 869 | 828 | 453 | 207 | 246 | 327 | 146 | 181 | 256 | 110 | 146 | 2,595 | 1,348 | 1,247 | 2,234 | 1,169 | 1,065 | 206 | 108 | 98 | 71 | 31 | 40 | 20 | 8 | 12 | 51 | 20 | 31 | 1,159 | 638 | 521 | 870 | 474 | 396 | 189 | 113 | 76 | 48 | 23 | 25 | 21 | 13 | 8 | 26 | 12 | 14 | 970† | 20† | 956 | 722 | 11 | 711 | 140† | * | 134 | 50† | * | 48 | 28 | 0 | 28 | 29 | 0 | 29 | 779 | 779 | 0 | 605 | 605 | 0 | 101 | 101 | 0 | 46 | 46 | 0 | 12 | 12 | 0 | 10 | 10 | 0 | 220† | 140† | 80† | 200 | 127 | 73 | 14 | 8 | 6 | 0† | 0 | * | 0† | * | 0 | 0 | 0 | 0 | 100 | 0 | 100† | 55 | 0 | 55 | 26 | 0 | 26 | 8 | 0 | 8 | 0 | 8 | 0 | 8 | 0† | 0 | * | 12,693 | 7,521 | 5,172 | 7,300 | 4,408 | 2,892 | 3,502 | 2,116 | 1,386 | 499 | 259 | 240 | 1,019 | 527 | 492 | 324 | 179 | 145 | 5,945 | 4,015 | 1,930 | 3,492 | 2,252 | 1,240 | 1,387 | 1,029 | 358 | 360 | 252 | 108 | 574 | 397 | 177 | 86 | 55 | 31 | 2,650† | 1,962 | 690† | 1,392 | 985 | 407 | 749 | 602 | 147 | 202 | 149 | 53 | 260 | 192 | 68 | 30† | 22 | * | 1,359 | 954 | 405 | 685 | 497 | 188 | 374 | 264 | 110 | 87 | 59 | 28 | 187 | 119 | 68 | 19 | 12 | 7 | 1,146 | 562 | 584 | 925 | 441 | 484 | 130 | 74 | 56 | 15 | 7 | 8 | 45 | 25 | 20 | 26 | 12 | 14 | 120† | 80† | 30† | 61 | 44 | 17 | 30† | 22 | * | 14 | 8 | 6 | 10† | 6 | * | 10† | * | * | 3,518 | 1,658 | 1,860 | 3,125 | 1,454 | 1,671 | 226 | 120 | 106 | 68 | 27 | 41 | 35 | 18 | 17 | 33 | 21 | 12 | 3,319 | 1,514 | 1,805 | 2,445 | 1,097 | 1,348 | 514 | 252 | 262 | 165 | 78 | 87 | 94 | 46 | 48 | 80 | 32 | 48 | 2,754 | 909 | 1,845 | 2,268 | 758 | 1,510 | 332 | 104 | 228 | 63 | 20 | 43 | 41 | 8 | 33 | 42 | 14 | 28 | 2,557 | 1,457 | 1,100 | 1,439 | 848 | 591 | 633 | 350 | 283 | 142 | 71 | 71 | 246 | 133 | 113 | 77 | 40 | 37 | 1,772 | 1,061 | 711 | 978 | 589 | 389 | 336 | 214 | 122 | 41 | 26 | 15 | 396 | 219 | 177 | 13 | 7 | 6 | 1,470 | 1,179 | 291 | 1,032 | 831 | 201 | 223 | 181 | 42 | 52 | 44 | 8 | 122 | 95 | 27 | 29 | 18 | 11 | 1,200 | 567 | 633 | 847 | 402 | 445 | 202 | 82 | 120 | 71 | 45 | 26 | 49 | 24 | 25 | 28 | 11 | 17 | 933 | 545 | 388 | 650 | 374 | 276 | 153 | 96 | 57 | 37 | 19 | 18 | 69 | 39 | 30 | 22 | 15 | 7 | 890† | 577 | 320† | 760 | 499 | 261 | 76 | 43 | 33 | 10† | 9 | * | 20 | 14 | 6 | 21 | 10 | 11 | 871 | 466 | 405 | 557 | 304 | 253 | 179 | 92 | 87 | 49 | 29 | 20 | 60 | 30 | 30 | 19 | 8 | 11 | 560† | 459 | 100† | 143 | 118 | 25 | 221 | 186 | 35 | 115 | 95 | 20 | 69 | 50 | 19 | 10† | 8 | * | 510† | 270† | 240† | 356 | 190 | 166 | 86 | 46 | 40 | 24 | 15 | 9 | 37 | 19 | 18 | 10† | * | * | 90† | 80† | 10† | 40† | 36 | * | 30† | 30 | * | 10† | 10 | * | 10† | 7 | * | 0† | * | 0 | 1,360† | 1,155 | 210† | 807 | 693 | 114 | 326 | 269 | 57 | 128 | 109 | 19 | 79 | 65 | 14 | 20† | 13 | * | 2,858 | 2,057 | 801 | 1,599 | 1,094 | 505 | 777 | 620 | 157 | 223 | 162 | 61 | 206 | 145 | 61 | 29 | 23 | 6 | 1,960† | 1,419 | 540† | 1,058 | 729 | 329 | 576 | 456 | 120 | 165 | 124 | 41 | 132 | 89 | 43 | 20† | 15 | * | 1,890† | 1,295 | 600† | 1,057 | 715 | 342 | 283 | 217 | 66 | 43 | 29 | 14 | 488 | 320 | 168 | 10† | 6 | * |

**TABLE 2B-4 (continued)
 NUMBER OF DEATHS AND AGE-ADJUSTED MORTALITY RATES^a FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 2021**

| | AGE-ADJUSTED MORTALITY RATES ^a | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------|-------------------------------------------|--------|-------|--------------------|-------|-------|--------------------|--------|-------|---------------------------|--------|-------|----------------------------------|--------|--------|---------------------------|-------|-------|
| | All groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| Total, all causes^b | 882.6 | 1057.1 | 721.2 | 835.4 | 991.0 | 689.6 | 892.8 | 1097.9 | 714.1 | 1113.6 | 1295.6 | 942.7 | 1704.7 | 2104.2 | 1365.1 | 597.0 | 712.6 | 511.9 |
| Major cardiovascular disease | 203.4 | 244.8 | 166.2 | 203.4 | 242.3 | 167.8 | 182.6 | 219.9 | 150.7 | 289.1 | 363.3 | 221.6 | 210.8 | 280.6 | 156.5 | 146.5 | 165.6 | 132.4 |
| Diseases of heart | 151.2 | 191.3 | 115.7 | 154.7 | 193.0 | 120.1 | 123.5 | 159.8 | 93.8 | 193.3 | 258.1 | 136.0 | 145.9 | 208.5 | 97.8 | 97.6 | 119.7 | 81.9 |
| Coronary heart disease | 108.1 | 143.3 | 77.2 | 110.8 | 145.2 | 80.0 | 88.0 | 118.4 | 63.3 | 144.1 | 203.7 | 93.1 | 97.6 | 141.6 | 64.5 | 70.9 | 94.0 | 54.7 |
| Malignant neoplasms | 131.8 | 150.3 | 116.7 | 136.0 | 155.4 | 119.6 | 110.9 | 128.0 | 98.5 | 154.4 | 151.7 | 158.3 | 128.9 | 139.9 | 123.2 | 94.4 | 100.1 | 91.0 |
| Malignant neoplasm of trachea, bronchus and lung | 25.8 | 28.9 | 23.2 | 28.8 | 32.1 | 26.0 | 14.4 | 17.0 | 12.6 | 23.1 | 23.8 | 23.4 | 7.9 | 8.6 | 7.8 | 19.9 | 20.7 | 19.5 |
| Malignant neoplasm of colon, rectum, and anus | 12.4 | 14.6 | 10.4 | 12.6 | 14.6 | 10.8 | 11.9 | 15.1 | 9.2 | 15.9 | 15.0 | 16.1 | 8.2 | 10.7 | 5.8 | 9.6 | 10.5 | 9.0 |
| Malignant neoplasm of breast | 10.5 | 0.3 | 19.5 | 10.6 | 0.3 | 19.9 | 8.8 | ** | 15.5 | 16.2 | ** | 30.5 | 10.0 | 0.0 | 18.3 | 10.1 | 0.0 | 17.7 |
| Malignant neoplasm of prostate | 7.8 | 17.2 | 0.0 | 7.6 | 16.6 | 0.0 | 7.7 | 18.2 | 0.0 | 16.4 | 37.0 | 0.0 | 5.2 | 13.0 | 0.0 | 3.7 | 9.3 | 0.0 |
| Malignant melanoma of skin | 2.3 | 3.1 | 1.7 | 2.9 | 3.9 | 2.1 | 1.0 | 1.4 | 0.8 | ** | 0.0 | ** | ** | ** | ** | 0.0 | 0.0 | 0.0 |
| Malignant neoplasm of cervix uteri | 1.3 | 0.0 | 2.5 | 1.1 | 0.0 | 2.1 | 1.4 | 0.0 | 2.7 | 2.3 | 0.0 | 4.7 | 2.6 | 0.0 | 5.0 | ** | 0.0 | ** |
| COVID-19 | 136.9 | 174.0 | 103.7 | 103.5 | 133.4 | 76.7 | 220.5 | 287.5 | 164.0 | 168.5 | 186.3 | 153.8 | 394.4 | 464.6 | 339.8 | 120.1 | 159.0 | 92.7 |
| Accidents (unintentional injury) | 77.8 | 108.3 | 47.4 | 74.8 | 102.0 | 47.3 | 66.6 | 99.0 | 34.9 | 101.3 | 138.0 | 63.3 | 206.9 | 296.9 | 123.8 | 30.5 | 42.0 | 20.5 |
| Accidental poisoning | 37.9 | 55.9 | 19.5 | 37.3 | 52.9 | 21.3 | 32.8 | 52.8 | 12.6 | 54.1 | 76.7 | 30.1 | 92.4 | 142.9 | 45.7 | 8.2 | 14.4 | ** |
| Motor vehicle accidents | 18.4 | 25.7 | 11.2 | 16.1 | 23.4 | 8.7 | 16.7 | 24.2 | 9.7 | 23.3 | 30.2 | 15.8 | 65.5 | 85.8 | 47.7 | 6.6 | 8.2 | 4.8 |
| Falls | 12.0 | 13.2 | 11.0 | 12.3 | 13.0 | 11.7 | 9.9 | 12.7 | 7.7 | 6.2 | 6.2 | 5.9 | 18.7 | 21.7 | 15.3 | 10.8 | 13.1 | 9.3 |
| Accidental drowning and submersion | 1.6 | 2.3 | 0.9 | 1.6 | 2.2 | 0.9 | 1.1 | 1.9 | ** | 3.9 | 3.8 | 3.7 | 2.6 | 4.8 | ** | 1.9 | ** | ** |
| Chronic lower respiratory diseases | 35.3 | 36.4 | 34.3 | 39.8 | 40.0 | 39.5 | 17.2 | 21.4 | 14.1 | 25.7 | 23.9 | 27.9 | 15.2 | 19.4 | 12.4 | 13.7 | 22.1 | 8.4 |
| Cerebrovascular diseases | 34.4 | 34.4 | 34.0 | 32.0 | 31.4 | 32.4 | 38.6 | 40.6 | 36.1 | 61.9 | 63.0 | 60.5 | 41.3 | 44.6 | 38.3 | 32.3 | 30.0 | 33.3 |
| Alzheimer's disease | 28.3 | 21.3 | 33.8 | 28.5 | 21.3 | 34.3 | 29.8 | 22.6 | 34.5 | 29.1 | 20.6 | 34.1 | 20.6 | 10.9 | 26.6 | 18.9 | 16.1 | 20.5 |
| Diabetes | 26.8 | 32.6 | 21.6 | 20.0 | 24.8 | 15.8 | 42.5 | 51.6 | 35.1 | 48.3 | 51.2 | 46.2 | 97.6 | 116.1 | 81.5 | 30.1 | 38.6 | 24.5 |
| Chronic liver disease and cirrhosis | 21.6 | 26.5 | 17.0 | 17.5 | 21.3 | 14.1 | 18.6 | 24.2 | 13.2 | 12.9 | 16.0 | 9.6 | 145.7 | 170.0 | 123.9 | 4.3 | 4.9 | 3.6 |
| Intentional self-harm (suicide) | 19.4 | 31.2 | 7.9 | 23.3 | 37.5 | 9.3 | 10.0 | 16.6 | 3.6 | 13.3 | 21.3 | 4.4 | 39.7 | 62.8 | 17.5 | 9.8 | 12.5 | 7.4 |
| Essential (primary) hypertension and hypertensive renal disease | 12.4 | 12.8 | 11.8 | 11.1 | 11.7 | 10.5 | 15.9 | 14.2 | 16.9 | 26.1 | 33.3 | 18.7 | 19.7 | 22.0 | 18.2 | 11.7 | 11.9 | 11.6 |
| Influenza and pneumonia | 9.9 | 12.4 | 7.7 | 9.1 | 11.3 | 7.2 | 10.3 | 15.0 | 6.8 | 13.4 | 15.1 | 12.2 | 26.7 | 32.6 | 21.8 | 8.1 | 13.5 | 4.4 |
| Nephritis, nephrotic syndrome and nephrosis | 9.1 | 10.6 | 7.9 | 7.5 | 8.8 | 6.3 | 12.5 | 14.3 | 11.0 | 17.4 | 20.0 | 14.3 | 23.2 | 26.7 | 21.0 | 7.5 | 8.1 | 7.1 |
| Parkinson's disease | 9.0 | 13.0 | 5.8 | 9.5 | 13.6 | 6.0 | 6.4 | 8.7 | 4.8 | 5.8 | 9.5 | ** | 9.5 | 17.1 | 4.7 | 9.1 | 11.1 | 7.8 |
| Assault (homicide) | 8.1 | 13.2 | 2.9 | 4.0 | 6.6 | 1.3 | 9.1 | 14.9 | 3.1 | 29.5 | 46.9 | 10.5 | 23.7 | 35.1 | 12.4 | 3.8 | 5.8 | ** |
| Septicemia | 5.4 | 6.1 | 4.8 | 5.3 | 5.8 | 4.9 | 5.6 | 6.7 | 4.8 | 8.1 | 10.6 | 5.9 | 15.1 | 16.9 | 13.0 | 2.3 | ** | ** |
| Human immunodeficiency virus (HIV) disease | 1.3 | 2.3 | 0.2 | 0.9 | 1.6 | ** | 1.6 | 3.1 | ** | 3.8 | 5.6 | ** | 3.3 | 5.4 | ** | ** | ** | 0.0 |
| Injury by firearms | 18.3 | 30.9 | 5.7 | 18.2 | 31.2 | 5.3 | 13.8 | 22.7 | 4.9 | 33.2 | 53.9 | 10.4 | 26.6 | 44.7 | 9.2 | 5.3 | 8.9 | ** |
| Drug-induced deaths | 40.6 | 58.3 | 22.5 | 42.1 | 57.9 | 25.9 | 34.0 | 54.4 | 13.4 | 59.6 | 83.4 | 34.3 | 72.7 | 106.8 | 41.0 | 9.3 | 15.4 | 3.7 |
| Opioid-induced deaths | 28.4 | 40.8 | 15.6 | 29.4 | 40.7 | 17.6 | 24.4 | 38.3 | 10.1 | 43.5 | 62.7 | 22.8 | 46.1 | 63.8 | 29.0 | 6.3 | 9.4 | ** |
| Alcohol-induced deaths | 24.3 | 33.6 | 15.4 | 21.0 | 28.3 | 14.1 | 14.6 | 23.0 | 6.7 | 13.0 | 17.1 | 8.7 | 181.0 | 248.8 | 120.9 | 3.0 | 4.2 | ** |

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a The number of deaths per 100,000 resident population age-adjusted to the 2000 U.S. standard; The rates for cervical cancer are per 100,000 females; The rate for prostate cancer is per 100,000 males; ^b Includes records with unknown gender and race/ethnicity.

**TABLE 2B-5
AGE-ADJUSTED MORTALITY RATES^a FOR SELECTED CAUSES OF DEATH BY URBAN/RURAL AREA AND GENDER,
ARIZONA, 2021**

| | Arizona | | | Urban | | | Rural | | |
|------------------------------------------------------------------------|---------|--------|--------|-------|--------|--------|--------|--------|--------|
| | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| | | | | | | | | | |
| Total, all causes | 882.6 | 1057.1 | 721.2 | 844.1 | 1006.5 | 695.5 | 1070.0 | 1295.6 | 851.6 |
| Major cardiovascular diseases | 203.4 | 244.8 | 166.2 | 197.6 | 236.4 | 163.1 | 227.6 | 279.2 | 179.3 |
| Diseases of heart | 151.2 | 191.3 | 115.7 | 146.2 | 184.0 | 113.2 | 172.4 | 222.1 | 126.0 |
| Coronary heart disease | 108.1 | 143.3 | 77.2 | 103.6 | 137.1 | 74.6 | 127.3 | 169.1 | 88.4 |
| Malignant neoplasms | 131.8 | 150.3 | 116.7 | 128.7 | 146.4 | 114.6 | 143.2 | 162.8 | 126.0 |
| Malignant neoplasm of trachea, bronchus and lung | 25.8 | 28.9 | 23.2 | 25.1 | 27.7 | 23.0 | 28.4 | 32.6 | 24.4 |
| Malignant neoplasm of colon, rectum, and anus | 12.4 | 14.6 | 10.4 | 11.9 | 14.0 | 10.0 | 13.9 | 15.9 | 12.1 |
| Malignant neoplasm of breast | 10.5 | 0.3 | 19.5 | 10.3 | 0.3 | 19.2 | 10.7 | 0.5 | 20.3 |
| Malignant neoplasm of prostate | 7.8 | 17.2 | 0.0 | 7.6 | 17.0 | 0.0 | 8.3 | 17.7 | 0.0 |
| Malignant melanoma of skin | 2.3 | 3.1 | 1.7 | 2.4 | 3.3 | 1.7 | 1.9 | 2.3 | 1.4 |
| Malignant neoplasm of cervix uteri | 1.3 | 0.0 | 2.5 | 1.2 | 0.0 | 2.4 | 1.2 | 0.0 | 2.5 |
| COVID-19 | 136.9 | 174.0 | 103.7 | 128.8 | 163.9 | 97.8 | 173.6 | 217.6 | 132.7 |
| Accidents (unintentional injury) | 77.8 | 108.3 | 47.4 | 73.2 | 101.3 | 45.1 | 100.4 | 141.1 | 59.0 |
| Accidental poisoning | 37.9 | 55.9 | 19.5 | 37.0 | 54.7 | 19.1 | 40.9 | 60.4 | 20.7 |
| Motor vehicle accidents | 18.4 | 25.7 | 11.2 | 16.0 | 22.6 | 9.5 | 31.6 | 42.6 | 20.3 |
| Falls | 12.0 | 13.2 | 11.0 | 12.0 | 12.8 | 11.2 | 12.4 | 15.2 | 9.7 |
| Accidental drowning and submersion | 1.6 | 2.3 | 0.9 | 1.5 | 2.1 | 0.8 | 2.0 | 2.8 | 1.1 |
| Chronic lower respiratory diseases | 35.3 | 36.4 | 34.3 | 32.3 | 33.3 | 31.5 | 48.1 | 49.5 | 46.5 |
| Cerebrovascular diseases | 34.4 | 34.4 | 34.0 | 33.6 | 33.7 | 33.1 | 37.4 | 36.5 | 38.3 |
| Alzheimer's disease | 28.3 | 21.3 | 33.8 | 28.8 | 22.0 | 33.9 | 26.3 | 18.3 | 33.1 |
| Diabetes | 26.8 | 32.6 | 21.6 | 26.7 | 32.6 | 21.5 | 27.4 | 32.6 | 22.7 |
| Chronic liver disease and cirrhosis | 21.6 | 26.5 | 17.0 | 17.4 | 21.4 | 13.6 | 47.3 | 56.2 | 38.7 |
| Intentional self-harm (suicide) | 19.4 | 31.2 | 7.9 | 16.9 | 27.0 | 7.1 | 34.5 | 55.7 | 12.9 |
| Essential (primary) hypertension and hypertensive renal disease | 12.4 | 12.8 | 11.8 | 12.7 | 13.0 | 12.2 | 11.0 | 11.8 | 10.1 |
| Influenza and pneumonia | 9.9 | 12.4 | 7.7 | 9.4 | 12.0 | 7.2 | 12.4 | 14.8 | 10.4 |
| Nephritis, nephrotic syndrome and nephrosis | 9.1 | 10.6 | 7.9 | 8.3 | 9.6 | 7.2 | 13.2 | 15.3 | 11.2 |
| Parkinson's disease | 9.0 | 13.0 | 5.8 | 9.3 | 13.6 | 6.0 | 7.9 | 11.0 | 5.2 |
| Assault (homicide) | 8.1 | 13.2 | 2.9 | 8.2 | 13.3 | 2.8 | 7.7 | 11.8 | 3.5 |
| Septicemia | 5.4 | 6.1 | 4.8 | 5.2 | 6.0 | 4.7 | 6.2 | 6.9 | 5.4 |
| (HIV) disease | 1.3 | 2.3 | 0.2 | 1.2 | 2.3 | 0.2 | 1.3 | 2.4 | 0.2 |
| Injury by firearms | 18.3 | 30.9 | 5.7 | 17.4 | 29.2 | 5.6 | 22.9 | 39.5 | 6.1 |
| Drug-induced deaths | 40.6 | 58.3 | 22.5 | 39.9 | 57.5 | 22.1 | 42.7 | 59.7 | 25.0 |
| Opioid-induced deaths | 28.4 | 40.8 | 15.6 | 28.5 | 41.5 | 15.2 | 26.4 | 34.2 | 18.0 |
| Alcohol-induced deaths | 24.3 | 33.6 | 15.4 | 18.3 | 25.3 | 11.8 | 61.2 | 83.7 | 38.8 |

Notes: ^a The number of deaths per 100,000 population in specified group age-adjusted to the 2000 standard U.S.; The rates for cervical cancer are per 100,000 females; the rates for prostate cancer are per 100,000 males.

**TABLE 2B-6
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES,
ARIZONA RESIDENTS, 2021**

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | Number of deaths | | | Crude death rate per 100,000 persons | | |
|---------------------------------------------------------------------------------------|------------------|--------|--------|--------------------------------------|--------|--------|
| | Total | Male | Female | Total | Male | Female |
| Total, all causes^a | 81,482 | 45,102 | 36,369 | 1118.4 | 1246.8 | 991.5 |
| Salmonella infections | 0† | * | * | ** | ** | ** |
| Shigellosis and amebiasis | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Certain other intestinal infections | 240 | 108 | 132 | 3.3 | 3.0 | 3.6 |
| Enterocolitis due to Clostridium difficile | 151 | 73 | 78 | 2.1 | 2.0 | 2.1 |
| Tuberculosis | 20† | 12 | * | 0.2 | 0.3 | ** |
| Respiratory tuberculosis | 10† | 6 | * | 0.1 | 0.2 | ** |
| Other tuberculosis | 10† | 6 | * | 0.1 | 0.2 | ** |
| Whooping cough | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Scarlet fever and erysipelas | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Meningococcal infection | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Septicemia | 511 | 271 | 240 | 7.0 | 7.5 | 6.5 |
| Syphilis | 0† | 0 | * | ** | 0.0 | ** |
| Acute poliomyelitis | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Arthropod-borne encephalitis | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Measles | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Viral hepatitis | 80 | 53 | 27 | 1.1 | 1.5 | 0.7 |
| Human immunodeficiency virus (HIV) disease | 94 | 84 | 10 | 1.3 | 2.3 | 0.3 |
| Malaria | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Other and unspecified infectious and parasitic diseases | 503 | 290 | 213 | 6.9 | 8.0 | 5.8 |
| Malignant neoplasms | 12,810 | 6,825 | 5,985 | 175.8 | 188.7 | 163.2 |
| Malignant neoplasm of lip, oral cavity and pharynx | 225 | 167 | 58 | 3.1 | 4.6 | 1.6 |
| Malignant neoplasm of esophagus | 361 | 301 | 60 | 5.0 | 8.3 | 1.6 |
| Malignant neoplasm of stomach | 233 | 142 | 91 | 3.2 | 3.9 | 2.5 |
| Malignant neoplasm of colon, rectum, and anus | 1,159 | 638 | 521 | 15.9 | 17.6 | 14.2 |
| Malignant neoplasm of liver and intrahepatic bile ducts | 574 | 365 | 209 | 7.9 | 10.1 | 5.7 |
| Malignant neoplasm of pancreas | 984 | 531 | 453 | 13.5 | 14.7 | 12.4 |
| Malignant neoplasm of larynx | 62 | 52 | 10 | 0.9 | 1.4 | 0.3 |
| Malignant neoplasm of trachea, bronchus and lung | 2,595 | 1,348 | 1,247 | 35.6 | 37.3 | 34.0 |
| Malignant melanoma of skin | 218 | 137 | 81 | 3.0 | 3.8 | 2.2 |
| Malignant neoplasm of breast | 972 | 16 | 956 | 13.3 | 0.4 | 26.1 |
| Malignant neoplasm of cervix uteri | 100 | 0 | 100 | 1.4 | 0.0 | 2.7 |
| Malignant neoplasm of corpus uteri and uterus, part unspecified | 233 | 0 | 233 | 3.2 | 0.0 | 6.4 |
| Malignant neoplasm of ovary | 303 | 0 | 303 | 4.2 | 0.0 | 8.3 |
| Malignant neoplasm of prostate | 779 | 779 | 0 | 10.7 | 21.5 | 0.0 |
| Malignant neoplasm of kidney and renal pelvis | 317 | 215 | 102 | 4.4 | 5.9 | 2.8 |
| Malignant neoplasm of bladder | 418 | 327 | 91 | 5.7 | 9.0 | 2.5 |
| Malignant neoplasm of meninges, brain and other parts of central nervous sy | 395 | 227 | 168 | 5.4 | 6.3 | 4.6 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 1,270 | 740 | 530 | 17.4 | 20.5 | 14.4 |
| Hodgkin's disease | 25 | 14 | 11 | 0.3 | 0.4 | 0.3 |
| Non-Hodgkin's lymphoma | 433 | 246 | 187 | 5.9 | 6.8 | 5.1 |
| Leukemia | 559 | 332 | 227 | 7.7 | 9.2 | 6.2 |
| Multiple myeloma and immunoproliferative neoplasms | 250 | 147 | 103 | 3.4 | 4.1 | 2.8 |
| Other and unspecified malignant neoplasms of lymphoid tissue | 0† | * | * | ** | ** | ** |
| All other and unspecified malignant neoplasm | 1,612 | 840 | 772 | 22.1 | 23.2 | 21.0 |
| In situ neoplasms | 422 | 233 | 189 | 5.8 | 6.4 | 5.2 |
| Anemias | 76 | 36 | 40 | 1.0 | 1.0 | 1.1 |
| Diabetes | 2,557 | 1,457 | 1,100 | 35.1 | 40.3 | 30.0 |

TABLE 2B-6 (continued)
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES,
ARIZONA RESIDENTS, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | Number of deaths | | | Crude death rate per 100,000 persons | | |
|---------------------------------------------------------------------------------------|------------------|--------|--------|--------------------------------------|-------|--------|
| | Total | Male | Female | Total | Male | Female |
| Nutritional deficiencies | 742 | 307 | 435 | 10.2 | 8.5 | 11.9 |
| Malnutrition | 704 | 289 | 415 | 9.7 | 8.0 | 11.3 |
| Other nutritional deficiencies | 38 | 18 | 20 | 0.5 | 0.5 | 0.5 |
| Obesity | 302 | 168 | 134 | 4.1 | 4.6 | 3.7 |
| Meningitis | 32 | 21 | 11 | 0.4 | 0.6 | 0.3 |
| Parkinson's disease | 892 | 577 | 315 | 12.2 | 16.0 | 8.6 |
| Alzheimer's disease | 2,754 | 909 | 1,845 | 37.8 | 25.1 | 50.3 |
| Major cardiovascular diseases | 19,581 | 10,749 | 8,832 | 268.8 | 297.1 | 240.8 |
| Diseases of heart | 14,536 | 8,386 | 6,150 | 199.5 | 231.8 | 167.7 |
| Acute rheumatic fever and chronic rheumatic heart disease | 98 | 42 | 56 | 1.3 | 1.2 | 1.5 |
| Hypertensive heart disease | 1,943 | 987 | 956 | 26.7 | 27.3 | 26.1 |
| Hypertensive heart and renal disease | 240 | 121 | 119 | 3.3 | 3.3 | 3.2 |
| Ischemic heart disease | 8,491 | 5,325 | 3,166 | 116.5 | 147.2 | 86.3 |
| Acute myocardial infarction | 2,001 | 1,281 | 720 | 27.5 | 35.4 | 19.6 |
| Other acute ischemic heart disease | 104 | 60 | 44 | 1.4 | 1.7 | 1.2 |
| Other forms of chronic ischemic heart disease | 6,386 | 3,984 | 2,402 | 87.7 | 110.1 | 65.5 |
| Atherosclerotic cardiovascular disease | 1,755 | 1,172 | 583 | 24.1 | 32.4 | 15.9 |
| All other forms of chronic ischemic heart disease | 4,631 | 2,812 | 1,819 | 63.6 | 77.7 | 49.6 |
| Other heart diseases | 3,764 | 1,911 | 1,853 | 51.7 | 52.8 | 50.5 |
| Acute and subacute endocarditis | 35 | 24 | 11 | 0.5 | 0.7 | 0.3 |
| Diseases of pericardium and acute myocarditis | 23 | 15 | 8 | 0.3 | 0.4 | 0.2 |
| Heart failure | 997 | 506 | 491 | 13.7 | 14.0 | 13.4 |
| All other forms of heart disease | 2,709 | 1,366 | 1,343 | 37.2 | 37.8 | 36.6 |
| Essential (primary) hypertension and hypertensive renal disease | 1,200 | 567 | 633 | 16.5 | 15.7 | 17.3 |
| Cerebrovascular diseases | 3,319 | 1,514 | 1,805 | 45.6 | 41.9 | 49.2 |
| Atherosclerosis | 97 | 55 | 42 | 1.3 | 1.5 | 1.1 |
| Other diseases of circulatory system | 429 | 227 | 202 | 5.9 | 6.3 | 5.5 |
| Aortic aneurysm and dissection | 211 | 122 | 89 | 2.9 | 3.4 | 2.4 |
| Other disease of arteries, arterioles and capillaries | 218 | 105 | 113 | 3.0 | 2.9 | 3.1 |
| Other disorders of circulatory system | 151 | 81 | 70 | 2.1 | 2.2 | 1.9 |
| Influenza and pneumonia | 933 | 545 | 388 | 12.8 | 15.1 | 10.6 |
| Influenza | 10† | * | * | 0.1 | ** | ** |
| Pneumonia | 924 | 540 | 384 | 12.7 | 14.9 | 10.5 |
| COVID-19 | 12,693 | 7,521 | 5,172 | 174.2 | 207.9 | 141.0 |
| Other acute lower respiratory infections | 10† | * | * | ** | ** | ** |
| Acute bronchiolitis | 0† | * | * | ** | ** | ** |
| Unspecified acute lower respiratory infection | 0† | * | 0 | ** | ** | 0.0 |
| Chronic lower respiratory diseases | 3,518 | 1,658 | 1,860 | 48.3 | 45.8 | 50.7 |
| Bronchitis, chronic and unspecified | 10† | * | * | ** | ** | ** |
| Emphysema | 187 | 99 | 88 | 2.6 | 2.7 | 2.4 |
| Asthma | 89 | 33 | 56 | 1.2 | 0.9 | 1.5 |
| Other chronic lower respiratory diseases | 3,237 | 1,523 | 1,714 | 44.4 | 42.1 | 46.7 |
| Pneumoconioses and chemical effects | 10† | 8 | * | 0.2 | 0.2 | ** |
| Pneumonitis due to solids and liquids | 218 | 137 | 81 | 3.0 | 3.8 | 2.2 |
| Other disease of respiratory system | 1,061 | 599 | 462 | 14.6 | 16.6 | 12.6 |
| Peptic ulcer | 126 | 70 | 56 | 1.7 | 1.9 | 1.5 |
| Diseases of appendix | 15 | 8 | 7 | 0.2 | 0.2 | 0.2 |
| Hernia | 45 | 20 | 25 | 0.6 | 0.6 | 0.7 |

TABLE 2B-6 (continued)
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES,
ARIZONA RESIDENTS, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | Number of deaths | | | Crude death rate per 100,000 persons | | |
|---------------------------------------------------------------------------------------|------------------|-------|--------|--------------------------------------|-------|--------|
| | Total | Male | Female | Total | Male | Female |
| Chronic liver disease and cirrhosis | 1,772 | 1,061 | 711 | 24.3 | 29.3 | 19.4 |
| Alcoholic liver disease | 1,125 | 703 | 422 | 15.4 | 19.4 | 11.5 |
| Other chronic liver disease and cirrhosis | 647 | 358 | 289 | 8.9 | 9.9 | 7.9 |
| Cholelithiasis and other disorders of gallbladder | 100 | 48 | 52 | 1.4 | 1.3 | 1.4 |
| Nephritis, nephrotic syndrome and nephrosis | 871 | 466 | 405 | 12.0 | 12.9 | 11.0 |
| Acute and rapidly progressive nephritic and nephrotic syndrome | 10† | * | 6 | 0.1 | ** | 0.2 |
| Chronic glomerulonephritis | 10† | * | 6 | 0.2 | ** | 0.2 |
| Renal failure | 850 | 457 | 393 | 11.7 | 12.6 | 10.7 |
| Others disorders of kidney | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Infections of kidney | 40 | 14 | 26 | 0.5 | 0.4 | 0.7 |
| Hyperplasia of prostate | 15 | 15 | 0 | 0.2 | 0.4 | 0.0 |
| Inflammatory diseases of female pelvic organs | 0† | 0 | * | ** | 0.0 | ** |
| Pregnancy, childbirth and the puerperium | 38 | 0 | 38 | 0.5 | 0.0 | 1.0 |
| Pregnancy with abortive outcome | 0† | 0 | * | ** | 0.0 | ** |
| Other complications of pregnancy, childbirth and the puerperium | 37 | 0 | 37 | 0.5 | 0.0 | 1.0 |
| Perinatal conditions | 221 | 124 | 95 | 3.0 | 3.4 | 2.6 |
| Congenital malformations | 224 | 121 | 103 | 3.1 | 3.3 | 2.8 |
| Symptoms, signs, abnormal findings ^a | 868 | 444 | 424 | 11.9 | 12.3 | 11.6 |
| Total accidents | 5,945 | 4,015 | 1,930 | 81.6 | 111.0 | 52.6 |
| Transport accidents | 1,452 | 1,033 | 419 | 19.9 | 28.6 | 11.4 |
| Motor vehicle accidents | 1,359 | 954 | 405 | 18.7 | 26.4 | 11.0 |
| Other land transport accidents | 40† | 30 | * | 0.5 | 0.8 | ** |
| Water, air, space | 58 | 49 | 9 | 0.8 | 1.4 | 0.2 |
| Nontransport accidents | 4,493 | 2,982 | 1,511 | 61.7 | 82.4 | 41.2 |
| Falls | 1,146 | 562 | 584 | 15.7 | 15.5 | 15.9 |
| Accidental discharge of firearms | 10† | * | * | 0.1 | ** | ** |
| Accidental drowning and submersion | 115 | 83 | 32 | 1.6 | 2.3 | 0.9 |
| Accidental exposure to smoke, fire and flames | 57 | 31 | 26 | 0.8 | 0.9 | 0.7 |
| Accidental poisoning | 2,651 | 1,962 | 689 | 36.4 | 54.2 | 18.8 |
| Other and unspecified non-transport accidents | 516 | 340 | 176 | 7.1 | 9.4 | 4.8 |
| Intentional self-harm (suicide) | 1,470 | 1,179 | 291 | 20.2 | 32.6 | 7.9 |
| By discharge of firearms | 878 | 755 | 123 | 12.1 | 20.9 | 3.4 |
| By other means | 592 | 424 | 168 | 8.1 | 11.7 | 4.6 |
| Assault (homicide) | 561 | 459 | 102 | 7.7 | 12.7 | 2.8 |
| By discharge of firearms | 430 | 357 | 73 | 5.9 | 9.9 | 2.0 |
| By other means | 131 | 102 | 29 | 1.8 | 2.8 | 0.8 |
| Legal intervention | 30† | 25 | * | 0.4 | 0.7 | ** |
| Events of undetermined intent | 175 | 106 | 69 | 2.4 | 2.9 | 1.9 |
| Discharge of firearms | 22 | 14 | 8 | 0.3 | 0.4 | 0.2 |
| Other and unspecified events of undetermined intent | 153 | 92 | 61 | 2.1 | 2.5 | 1.7 |
| Operations of war | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Complications of medical and surgical care | 143 | 74 | 69 | 2.0 | 2.0 | 1.9 |
| Injury by firearms | 1,364 | 1,155 | 209 | 18.7 | 31.9 | 5.7 |
| Drug-induced deaths | 2,858 | 2,057 | 801 | 39.2 | 56.9 | 21.8 |
| Opioid-induced deaths | 1,963 | 1,419 | 544 | 26.9 | 39.2 | 14.8 |
| Alcohol-induced deaths | 1,891 | 1,295 | 596 | 26.0 | 35.8 | 16.2 |

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Includes records with unknown gender; The list of Causes of Death was developed for the general analysis of ICD-10 mortality statistics and for ranking of leading causes of death. It is similar in structure and content and replaces the list of 72 Selected Causes of Death used for ICD-9 mortality statistics.

**TABLE 2B-7
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY CATEGORY, GENDER, AND YEAR, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------------------------------------------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| ALL FORMS OF HEART DISEASE | | | | | | | | | | | |
| TOTAL | 10,423 | 10,366 | 10,497 | 9,953 | 11,274 | 11,820 | 12,285 | 12,410 | 12,560 | 14,185 | 14,536 |
| Male | 5,748 | 5,731 | 5,910 | 5,575 | 6,286 | 6,702 | 6,973 | 7,030 | 7,129 | 8,097 | 8,386 |
| Female | 4,675 | 4,635 | 4,587 | 4,378 | 4,988 | 5,118 | 5,312 | 5,380 | 5,431 | 6,088 | 6,150 |
| Acute rheumatic fever and chronic rheumatic heart disease | | | | | | | | | | | |
| TOTAL | 69 | 51 | 64 | 74 | 52 | 77 | 79 | 98 | 71 | 87 | 98 |
| Male | 22 | 19 | 17 | 26 | 20 | 33 | 27 | 41 | 31 | 31 | 42 |
| Female | 47 | 32 | 47 | 48 | 32 | 44 | 52 | 57 | 40 | 56 | 56 |
| Hypertensive heart and renal disease | | | | | | | | | | | |
| TOTAL | 49 | 51 | 49 | 65 | 71 | 111 | 147 | 153 | 165 | 179 | 240 |
| Male | 22 | 28 | 27 | 31 | 36 | 56 | 73 | 81 | 77 | 82 | 121 |
| Female | 27 | 23 | 22 | 34 | 35 | 55 | 74 | 72 | 88 | 97 | 119 |
| Ischemic heart disease | | | | | | | | | | | |
| TOTAL | 7,498 | 7,294 | 7,159 | 6,650 | 7,264 | 7,734 | 7,814 | 7,540 | 7,617 | 8,586 | 8,491 |
| Male | 4,409 | 4,279 | 4,259 | 3,957 | 4,391 | 4,703 | 4,829 | 4,670 | 4,642 | 5,295 | 5,325 |
| Female | 3,089 | 3,015 | 2,900 | 2,693 | 2,873 | 3,031 | 2,985 | 2,870 | 2,975 | 3,291 | 3,166 |
| Hypertensive heart disease | | | | | | | | | | | |
| TOTAL | 739 | 761 | 943 | 991 | 1,118 | 1,114 | 1,122 | 1,400 | 1,409 | 1,619 | 1,943 |
| Male | 348 | 375 | 462 | 491 | 517 | 554 | 526 | 711 | 735 | 779 | 987 |
| Female | 391 | 386 | 481 | 500 | 601 | 560 | 596 | 689 | 674 | 840 | 956 |
| Other heart diseases | | | | | | | | | | | |
| TOTAL | 2,069 | 2,209 | 2,282 | 2,173 | 2,769 | 2,784 | 3,123 | 3,219 | 3,298 | 3,714 | 3,764 |
| Male | 947 | 1,030 | 1,145 | 1,070 | 1,322 | 1,356 | 1,518 | 1,527 | 1,644 | 1,910 | 1,911 |
| Female | 1,121 | 1,179 | 1,137 | 1,103 | 1,447 | 1,428 | 1,605 | 1,692 | 1,654 | 1,804 | 1,853 |

**TABLE 2B-8
NUMBER OF DEATHS FOR SELECTED SUBCATEGORIES OF MALIGNANT NEOPLASMS BY GENDER AND YEAR,
ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | |
|-----------------------------------------------------------------------------------------------------------------|--------------------------|--------|------------------|--------|--------|------------------|--------|--------|--------|--------|--------|--------|
| ALL CANCERS^a | TOTAL^b | 10,543 | 10,871 | 11,193 | 10,600 | 11,624 | 11,801 | 11,917 | 12,097 | 12,485 | 12,671 | 12,810 |
| | Male | 5,639 | 5,932 | 5,950 | 5,731 | 6,263 | 6,429 | 6,493 | 6,675 | 6,740 | 6,821 | 6,825 |
| | Female | 4,903 | 4,939 | 5,243 | 4,869 | 5,361 | 5,372 | 5,424 | 5,422 | 5,745 | 5,850 | 5,985 |
| ICD-9 140-149/ICD-10 C00-C14 - Malignant neoplasm of lip, oral cavity and pharynx (oropharyngeal cancer) | TOTAL | 132 | 144 | 150 | 137 | 160 | 205 | 180 | 165 | 187 | 217 | 225 |
| | Male | 105 | 106 | 101 | 98 | 109 | 157 | 128 | 127 | 141 | 154 | 167 |
| | Female | 27 | 38 | 49 | 39 | 51 | 48 | 52 | 38 | 46 | 63 | 58 |
| ICD-9 150/ICD-10 C15 - Malignant neoplasm of esophagus | TOTAL | 288 | 325 | 320 | 286 | 303 | 310 | 333 | 332 | 332 | 313 | 361 |
| | Male | 232 | 260 | 257 | 230 | 249 | 246 | 273 | 271 | 270 | 263 | 301 |
| | Female | 56 | 65 | 63 | 56 | 54 | 64 | 60 | 61 | 62 | 50 | 60 |
| ICD-9 151/ICD-10 C16 - Malignant neoplasm of stomach | TOTAL | 211 | 204 | 202 | 186 | 211 | 226 | 203 | 236 | 226 | 215 | 233 |
| | Male | 131 | 118 | 122 | 109 | 121 | 128 | 124 | 134 | 134 | 125 | 142 |
| | Female | 80 | 86 | 80 | 77 | 90 | 98 | 79 | 102 | 92 | 90 | 91 |
| ICD-9 153, 154/ICD-10 C18-C21 - Malignant neoplasm of colon, rectum, sigmoid junction and anus | TOTAL | 927 | 946 | 997 | 953 | 1,022 | 1,069 | 1,118 | 1,126 | 1,117 | 1,173 | 1,159 |
| | Male | 482 | 523 | 510 | 510 | 568 | 591 | 639 | 641 | 621 | 602 | 638 |
| | Female | 445 | 423 | 487 | 443 | 454 | 478 | 479 | 485 | 496 | 571 | 521 |
| ICD-9 157/ICD-10 C25 - Malignant neoplasm of pancreas | TOTAL | 708 | 813 | 755 | 769 | 852 | 901 | 914 | 952 | 1,018 | 1,005 | 984 |
| | Male | 355 | 450 | 392 | 400 | 461 | 494 | 484 | 513 | 541 | 545 | 531 |
| | Female | 353 | 363 | 363 | 369 | 391 | 407 | 430 | 439 | 477 | 460 | 453 |
| ICD-9 162/ICD-10 C33-C34 - Malignant neoplasm of trachea, bronchus and lung | TOTAL | 2,654 | 2,772 | 2,763 | 2,543 | 2,885 | 2,689 | 2,754 | 2,640 | 2,510 | 2,592 | 2,595 |
| | Male | 1,474 | 1,512 | 1,485 | 1,385 | 1,533 | 1,452 | 1,487 | 1,436 | 1,315 | 1,336 | 1,348 |
| | Female | 1,180 | 1,260 | 1,278 | 1,158 | 1,352 | 1,237 | 1,267 | 1,204 | 1,195 | 1,256 | 1,247 |
| ICD-9 172/ICD-10 C43 - Malignant melanoma of skin | TOTAL | 187 | 216 | 222 | 215 | 213 | 191 | 190 | 209 | 206 | 212 | 218 |
| | Male | 125 | 147 | 137 | 147 | 142 | 131 | 129 | 150 | 133 | 151 | 137 |
| | Female | 62 | 69 | 85 | 68 | 71 | 60 | 61 | 59 | 73 | 61 | 81 |
| ICD-9 174,175/ICD-10 C50 - Malignant neoplasm of breast | TOTAL | 747 | 740 ⁺ | 836 | 729 | 810 ⁺ | 853 | 834 | 815 | 911 | 894 | 972 |
| | Male | 6 | * | 9 | 6 | * | 9 | 8 | 10 | 12 | 11 | 16 |
| | Female | 741 | 740 | 827 | 723 | 809 | 844 | 826 | 805 | 899 | 883 | 956 |

TABLE 2B-8 (continued)
NUMBER OF DEATHS FOR SELECTED SUBCATEGORIES OF MALIGNANT NEOPLASMS BY GENDER AND YEAR,
ARIZONA, 2011-2021

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------------------------------------------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ICD-9 180/ICD-10 C53 - Malignant neoplasm of cervix uteri | TOTAL | 72 | 73 | 86 | 75 | 84 | 82 | 78 | 84 | 74 | 100 |
| | Female | 72 | 73 | 86 | 75 | 84 | 82 | 78 | 84 | 74 | 100 |
| ICD-9 179, 182/ ICD-10 C54-C55 - Malignant neoplasm of body of uterus and of uterus, part unspecified | TOTAL | 159 | 131 | 140 | 176 | 180 | 168 | 200 | 203 | 212 | 233 |
| | Female | 159 | 131 | 140 | 176 | 180 | 168 | 200 | 203 | 212 | 233 |
| ICD-9 185/ICD-10 C61 - Malignant neoplasm of prostate | TOTAL | 574 | 581 | 570 | 572 | 633 | 697 | 659 | 734 | 795 | 779 |
| | Male | 574 | 581 | 570 | 572 | 633 | 697 | 659 | 734 | 795 | 779 |
| ICD-9 188/ICD-10 C67 - Malignant neoplasm of bladder | TOTAL | 355 | 316 | 293 | 305 | 355 | 367 | 362 | 358 | 416 | 418 |
| | Male | 245 | 244 | 221 | 241 | 255 | 267 | 279 | 267 | 321 | 327 |
| | Female | 109 | 72 | 72 | 64 | 100 | 100 | 83 | 95 | 95 | 91 |
| ICD-9 189/ICD-10 C64-C65 - Malignant neoplasm of kidney and other and unspecified urinary organs | TOTAL | 267 | 252 | 274 | 254 | 309 | 308 | 323 | 308 | 337 | 317 |
| | Male | 178 | 171 | 179 | 177 | 224 | 205 | 208 | 202 | 242 | 215 |
| | Female | 89 | 81 | 95 | 77 | 85 | 103 | 115 | 106 | 95 | 102 |
| ICD-9 191, 192/ICD-10 C70-C72 - Malignant neoplasm of brain | TOTAL | 275 | 337 | 325 | 339 | 323 | 340 | 339 | 366 | 379 | 395 |
| | Male | 145 | 196 | 172 | 194 | 190 | 195 | 194 | 206 | 220 | 229 |
| | Female | 130 | 141 | 153 | 145 | 133 | 145 | 145 | 160 | 159 | 161 |
| ICD-9 201/ICD-10 81 - Hodgkin's disease | TOTAL | 19 | 17 | 26 | 10† | 30 | 22 | 29 | 22 | 20† | 25 |
| | Male | 9 | 8 | 16 | 10 | 21 | 10 | 15 | 12 | 14 | 14 |
| | Female | 10 | 9 | 10 | * | 9 | 12 | 14 | 10 | 8 | 11 |
| ICD-9 200, 202/ICD-10 C82-C85 - Malignant lymphoma other than Hodgkin's disease | TOTAL | 392 | 372 | 416 | 371 | 397 | 399 | 388 | 409 | 452 | 433 |
| | Male | 212 | 214 | 251 | 196 | 216 | 221 | 240 | 252 | 267 | 246 |
| | Female | 180 | 158 | 165 | 175 | 181 | 178 | 148 | 157 | 185 | 187 |
| ICD-9 203/ICD-10 C88, C90 - Multiple myeloma and immunoproliferative neoplasms | TOTAL | 219 | 221 | 247 | 221 | 240 | 243 | 270 | 258 | 292 | 250 |
| | Male | 133 | 128 | 129 | 133 | 139 | 149 | 162 | 150 | 162 | 147 |
| | Female | 86 | 93 | 118 | 88 | 101 | 94 | 108 | 108 | 130 | 103 |
| Other malignant neoplasms | TOTAL | 2,357 | 2,409 | 2,571 | 2,455 | 2,613 | 2,731 | 2,743 | 2,877 | 3,219 | 1,564 |
| | Male | 1,234 | 1,273 | 1,400 | 1,323 | 1,397 | 1,477 | 1,464 | 1,538 | 1,734 | 840 |
| | Female | 1,123 | 1,136 | 1,171 | 1,132 | 1,216 | 1,254 | 1,279 | 1,339 | 1,485 | 724 |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ‡ Includes other forms of cancer; § Total includes records with unknown gender.

**TABLE 2B-9
NUMBER OF DEATHS FROM UNINTENTIONAL INJURIES IN ACCIDENTS BY CATEGORY AND YEAR AMONG
ARIZONA RESIDENTS, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total unintentional injury deaths | 2,959 | 2,804 | 3,137 | 3,011 | 3,403 | 3,899 | 4,085 | 4,211 | 4,522 | 5,377 | 5,945 |
| Railway accident | 6 | 7 | 7 | 8 | 6 | 11 | 9 | 7 | 10 | 9 | 12 |
| Motor vehicle accident | 787 | 747 | 767 | 702 | 855 | 967 | 979 | 1,032 | 970 | 1,035 | 1,359 |
| Water transport accident | * | * | * | 0 | * | * | 7 | 7 | * | * | * |
| Accident involving aircraft | 21 | 13 | 9 | * | 7 | 10 | 17 | 10 | 13 | 14 | 18 |
| Poisoning by drugs/medicaments | 781 | 731 | 853 | 885 | 955 | 1,095 | 1,269 | 1,425 | 1,679 | 2,309 | 2,508 |
| Poisoning by gases and vapors | 102 | 86 | 112 | 94 | 105 | 153 | 105 | 120 | 118 | 174 | 143 |
| Falls | 776 | 782 | 870 | 881 | 1,014 | 1,103 | 1,076 | 1,090 | 1,109 | 1,127 | 1,146 |
| Fire, flames, smoke | 33 | 43 | 68 | 30 | 25 | 40 | 51 | 23 | 43 | 48 | 57 |
| Excessive natural heat | 57 | 51 | 56 | 32 | 43 | 99 | 108 | 94 | 118 | 210 | 194 |
| Excessive natural cold | 22 | 9 | 28 | 19 | 20 | 21 | 24 | 15 | 37 | 27 | 24 |
| Contact with venomous snakes and lizards | 0 | * | 0 | 0 | 0 | 0 | * | * | 0 | 0 | * |
| Contact with venomous spiders | 0 | 0 | * | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Contact with scorpions | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * |
| Contact with hornets, wasps, bees | 0 | 0 | * | 0 | * | * | * | * | * | * | * |
| Bitten or struck by dog | * | * | * | * | * | * | * | 0 | * | * | * |
| Lightning | * | * | * | 0 | * | * | * | 0 | 0 | 0 | 0 |
| Storms and floods | 0 | 0 | 0 | 0 | 0 | 0 | 12 | * | * | 0 | * |
| Accidental drowning and submersion | 86 | 83 | 72 | 78 | 81 | 105 | 106 | 92 | 100 | 99 | 115 |
| Choked on food | 34 | 38 | 29 | 33 | 34 | 33 | 38 | 40 | 38 | 38 | 42 |
| Choked on other objects | 44 | 44 | 57 | 56 | 53 | 38 | 39 | 29 | 40 | 31 | 48 |
| Mechanical suffocation | 25 | 23 | 21 | 35 | 40 | 35 | 41 | 25 | 37 | 27 | 42 |
| Accidental discharge of firearms | 8 | * | 9 | 6 | * | 7 | 8 | 10 | 13 | 6 | 8 |
| Exposure to electric current | 6 | 0 | 6 | * | * | 10 | * | * | * | 8 | * |
| Overexertion | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Adverse effects of drugs in therapeutic use | * | 6 | 10 | 10 | 12 | * | * | 11 | 7 | 14 | 13 |
| Misadventures to patients during medical/surgical care | 45 | 42 | 46 | 32 | 20 | 43 | 96 | 103 | 108 | 113 | 130 |

Notes: * Cell suppressed due to count less than 6; Beginning in 2000, the data are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

**TABLE 2B-10
NUMBER OF DEATHS FROM MOTOR VEHICLE-RELATED INJURIES BY PERSON INJURED, GENDER, AND YEAR,
ARIZONA RESIDENTS, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------|-----------------|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|
| TOTAL | | | | | | | | | | | |
| Total | 787 | 747 | 767 | 702 | 855 | 967 | 979 | 1,032 | 970 | 1,035 | 1,359 |
| Male | 562 | 541 | 541 | 492 | 605 | 693 | 691 | 729 | 692 | 747 | 954 |
| Female | 225 | 206 | 226 | 210 | 250 | 274 | 288 | 303 | 278 | 288 | 405 |
| Motorcyclist | | | | | | | | | | | |
| Total | 113 | 130 | 111 | 100 | 121 | 126 | 137 | 130 | 130 [†] | 154 | 189 |
| Male | 96 | 113 | 98 | 93 | 106 | 118 | 122 | 114 | 130 | 139 | 172 |
| Female | 17 | 17 | 13 | 7 | 15 | 8 | 15 | 16 | * | 15 | 17 |
| Pedestrian | | | | | | | | | | | |
| Total | 153 | 128 | 152 | 138 | 160 | 218 | 245 | 251 | 227 | 235 | 307 |
| Male | 111 | 88 | 105 | 100 | 115 | 150 | 161 | 171 | 166 | 166 | 209 |
| Female | 42 | 40 | 47 | 38 | 45 | 68 | 84 | 80 | 61 | 69 | 98 |
| Pedal cyclist | | | | | | | | | | | |
| Total | 20 [†] | 11 | 20 [†] | 20 [†] | 20 [†] | 20 [†] | 30 [†] | 20 [†] | 20 [†] | 30 [†] | 40 [†] |
| Male | 16 | 11 | 19 | 15 | 15 | 18 | 24 | 18 | 18 | 23 | 34 |
| Female | * | 0 | * | * | * | * | * | * | * | * | * |
| Other person | | | | | | | | | | | |
| Total | 502 | 478 | 481 | 445 | 558 | 601 | 568 | 630 | 587 | 618 | 824 |
| Male | 339 | 329 | 319 | 284 | 369 | 407 | 384 | 426 | 378 | 419 | 539 |
| Female | 163 | 149 | 162 | 161 | 189 | 194 | 184 | 204 | 209 | 199 | 285 |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; Beginning in 2000, the data are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

**TABLE 2B-11
LEADING CAUSES OF DEATH BY PLACE OF DEATH AND DECEDENT STATUS, ARIZONA, 2021**

| Causes of death | TOTAL | IN HOSPITAL | | | | | NOT IN HOSPITAL | | | | |
|--------------------------------------------------------------------------|---------|-------------|--------------------------|-----------------|----------------|----------|---------------------------|-----------|--------------------|----------|--|
| | | In-patient | Out-patient ^a | Died on arrival | Status unknown | Subtotal | Nursing home ^b | Residence | Other ^c | Subtotal | |
| TOTAL, ALL CAUSES | 81,482 | 25,290 | 4,302 | 22 | 27,389 | 57,003 | 5,770 | 8,354 | 10,355 | 24,479 | |
| Diseases of heart | 14,540† | 3,058 | 1,149 | * | 5,931 | 10,140† | 723 | 1,794 | 1,878 | 4,395 | |
| Coronary heart disease | 10,430† | 1,804 | 906 | * | 4,547 | 7,260† | 465 | 1,260 | 1,450 | 3,175 | |
| Malignant neoplasms | 12,810† | 1,882 | 203 | * | 6,945 | 9,030† | 1,714 | 1,026 | 1,038 | 3,778 | |
| Malignant neoplasm of trachea, bronchus and lung | 2,600† | 401 | 29 | * | 1,436 | 1,870† | 303 | 212 | 213 | 728 | |
| Malignant neoplasm of colon, rectum, and anus | 1,159 | 134 | 20 | 0 | 636 | 790 | 174 | 84 | 111 | 369 | |
| Malignant neoplasm of breast | 972 | 127 | 19 | 0 | 498 | 644 | 136 | 103 | 89 | 328 | |
| Malignant neoplasm of prostate | 779 | 65 | 12 | 0 | 479 | 556 | 87 | 68 | 68 | 223 | |
| Malignant neoplasm of cervix uteri | 100† | 16 | * | 0 | 51 | 70† | 17 | 7 | 7 | 31 | |
| COVID-19 | 12,690† | 9,724 | 376 | * | 1,207 | 11,310† | 488 | 372 | 523 | 1,383 | |
| Accidents (unintentional injury) | 5,950† | 1,149 | 870 | * | 1,310 | 3,330† | 290 | 168 | 2,155 | 2,613 | |
| Accidental poisoning | 2,650† | 202 | 391 | * | 944 | 1,540† | 13 | * | 1,096 | 1,110† | |
| Motor vehicle accidents | 1,360† | 325 | 308 | * | 14 | 650† | 17 | 6 | 687 | 710 | |
| Falls | 1,146 | 425 | 50 | 0 | 163 | 638 | 234 | 129 | 145 | 508 | |
| Accidental drowning and submersion | 120† | 17 | 29 | 0 | 13 | 59 | * | 0 | 54 | 60† | |
| Chronic lower respiratory diseases | 3,520† | 581 | 106 | * | 1,742 | 2,430† | 249 | 463 | 375 | 1,087 | |
| Cerebrovascular diseases | 3,319 | 853 | 71 | 0 | 904 | 1,828 | 488 | 617 | 386 | 1,491 | |
| Alzheimer's disease | 2,754 | 36 | 10 | 0 | 932 | 978 | 113 | 960 | 703 | 1,776 | |
| Diabetes | 2,560† | 493 | 238 | * | 1,231 | 1,960† | 174 | 217 | 203 | 594 | |
| Chronic liver disease and cirrhosis | 1,772 | 774 | 42 | 0 | 514 | 1,330 | 240 | 113 | 89 | 442 | |
| Intentional self-harm (suicide) | 1,470† | 108 | 129 | * | 667 | 910† | 9 | * | 553 | 570† | |
| Essential (primary) hypertension & hypertensive renal disease | 1,200† | 154 | 84 | * | 557 | 800† | 85 | 179 | 140 | 404 | |
| Influenza and pneumonia | 933 | 693 | 41 | 0 | 79 | 813 | 47 | 50 | 23 | 120 | |
| Parkinson's disease | 892 | 43 | 8 | 0 | 371 | 422 | 74 | 239 | 157 | 470 | |
| Nephritis, nephrotic syndrome and nephrosis | 871 | 314 | 36 | 0 | 301 | 651 | 47 | 98 | 75 | 220 | |
| Assault (homicide) | 560† | 86 | 172 | 0 | 83 | 341 | * | * | 216 | 220† | |
| Septicemia | 511 | 408 | 21 | 0 | 20 | 449 | 35 | 18 | 9 | 62 | |
| Human immunodeficiency virus (HIV) disease | 90† | 44 | 8 | 0 | 22 | 74 | 9 | 6 | * | 20 | |
| Injury by firearms | 1,360† | 111 | 229 | 0 | 491 | 831 | * | * | 525 | 530† | |
| Drug-induced deaths | 2,858 | 279 | 416 | 0 | 1,026 | 1,721 | 23 | 8 | 1,106 | 1,137 | |
| Opioid-induced deaths | 1,960† | 125 | 286 | 0 | 742 | 1,153 | 6 | * | 801 | 810† | |
| Alcohol-induced deaths | 1,890† | 554 | 81 | * | 698 | 1,330† | 205 | 76 | 276 | 557 | |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Includes Emergency Room; ^b Includes other long-term care facilities; ^c Includes hospices.



2C.

AGE-SPECIFIC MORTALITY

Six age-specific profiles of mortality are given on the following pages. The six developmental periods in the life span are:

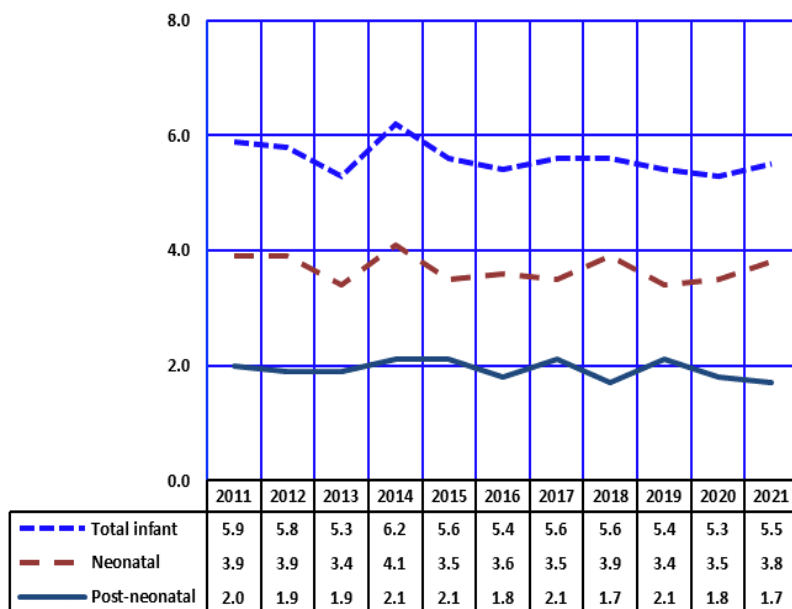
- **Infants** less than one year of age
- **Children** 1 to 14 years old
- **Adolescents** or persons 15 to 19 years old
- **Young adults** or persons 20 to 44 years old
- **Middle-aged adults** or persons 45 to 64 years old
- **Elderly** or persons 65 years or older.

For each age group, cause-specific mortality is compared between urban (i.e., Maricopa, Pima, Pinal, and Yuma counties) and rural (all other counties) regions and between genders. Urban and rural regions also are compared in gender-specific total mortality.

A comparison of age-specific mortality for causes of death is provided in **Table 2C-27**. A comparison of age-specific mortality rates is presented in **Table 2C-28**.

2C.AGE-SPECIFIC MORTALITY
Infant mortality

Figure 2C-1
Infant Mortality Rates by Neonatal/Postneonatal Age and Year, Arizona, 2011-2021



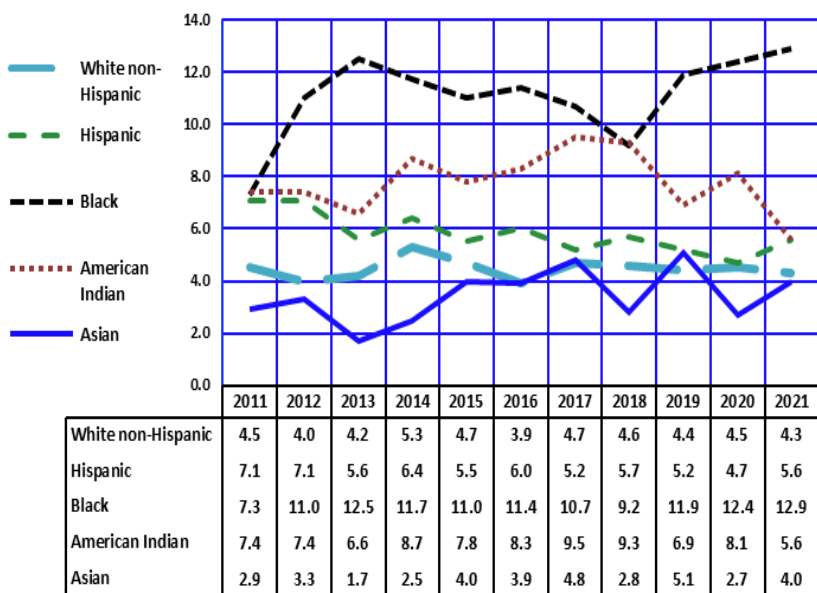
Notes: Neonatal deaths are those deaths affecting infants age 0-27 days; Post-neonatal deaths are deaths to infants aged 28 days-1 year.

Infant mortality is defined as the number of deaths within the first year of life. The infant mortality rate is computed as the number of infant deaths in a calendar year per 1,000 live births recorded for the same period.

In 2021, 430 Arizona infants died before reaching their first birthday, 105 fewer than the latest peak of 535 infant deaths in 2014, and an increase of 26 deaths in comparison to 2020 (**Table 2C-2**).

Based on the actual number of infant deaths and live births in 2021, the infant mortality rate was slightly higher at 5.5 infant deaths per 1,000 live births in 2021 than in 2020 which had 5.3 infant deaths per 1,000 live births (**Figure 2C-1**).

Figure 2C-2
Infant Mortality Rates^a by Race/Ethnicity and Year, Arizona, 2011-2021



Note: ^a Number of infant deaths per 1,000 live births in specified group.

In 2021, 95.3 percent (410/430)* 100 of all infant death records were successfully matched to their corresponding birth records.

The mortality risk for infants varies by race/ethnicity. During the 11-year period (2011-2021), infants born to Asian or Pacific Islander mothers witnessed the lowest mortality rates among all racial/ethnic groups for the most part (**Figure 2C-2, Table 2C-2**). The exception being 2017 and 2019, as the infant mortality for Whites was the lowest of all racial/ethnic groups.

In parallel, in each year from 2011 to 2021, Black or African American and American Indian infants had the worst survival chances among the racial/ethnic groups (**Figure 2C-2**).

*Infant death records that were not linked to their corresponding birth certificates include unrecorded home births (i.e., no birth certificates were issued) and out-of-State births (i.e., the State issuing the certificate of birth did not send a copy to Arizona).

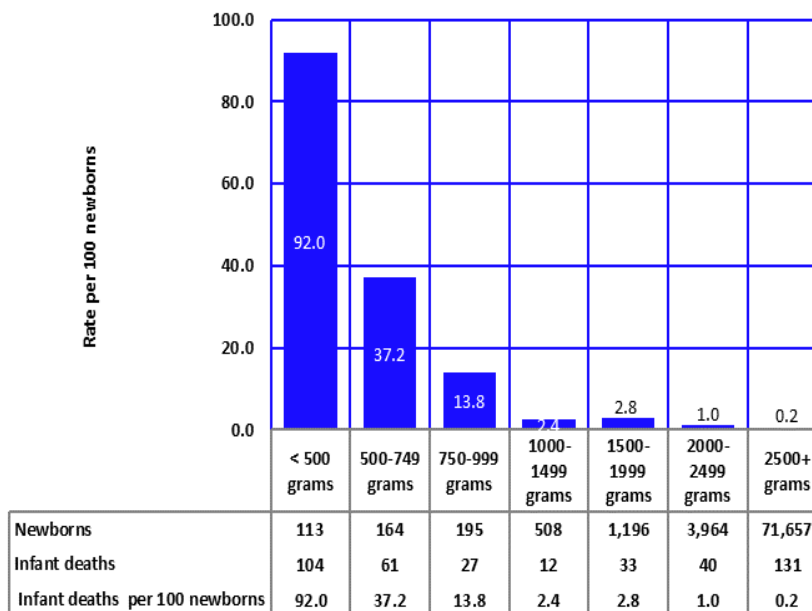
2C.AGE-SPECIFIC MORTALITY

Infant mortality

Figure 2C-3
Proportion of Infant Deaths by Birthweight, Arizona, 2021

Newborn weight at birth is one of the most important predictors of an infant's survival chances. In 2021, the mortality rate of very low birth weight babies (birthweight less than 500 grams) was 92.0 per 100 live births (**Figure 2C-3**).

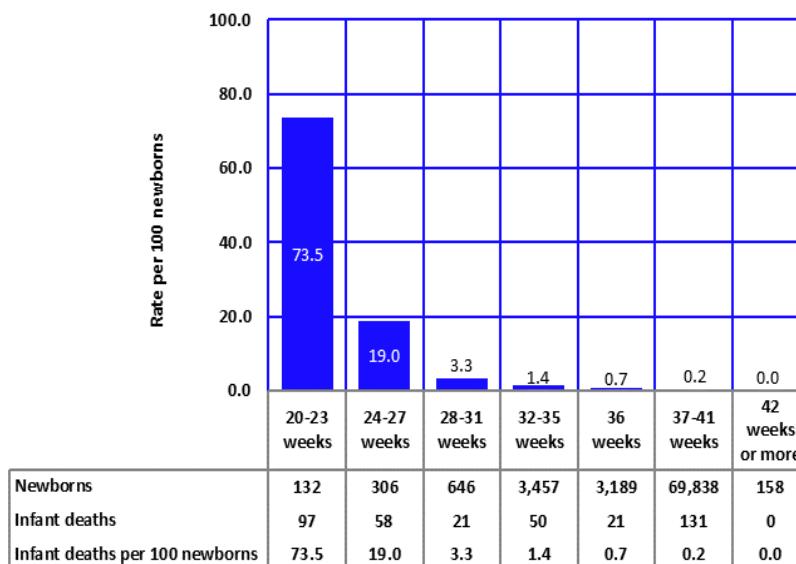
The absolute number of low birthweight births spiked in 2021 at 6,140 but remained lower than at its peak (n= 6,186) during the last 11 years, which occurred in 2016. The proportion of babies whose weight at birth was less than 1,000 grams decreased slightly from 7.8 percent of all low birthweight births in 2020 to 7.7 percent in 2021 (**Table 1B-3**).



Note: 60 cases in the complete 2021 birth file had missing birthweight estimates.

Figure 2C-4.1
Proportion of Infant Deaths by Gestational Age, Arizona, 2021

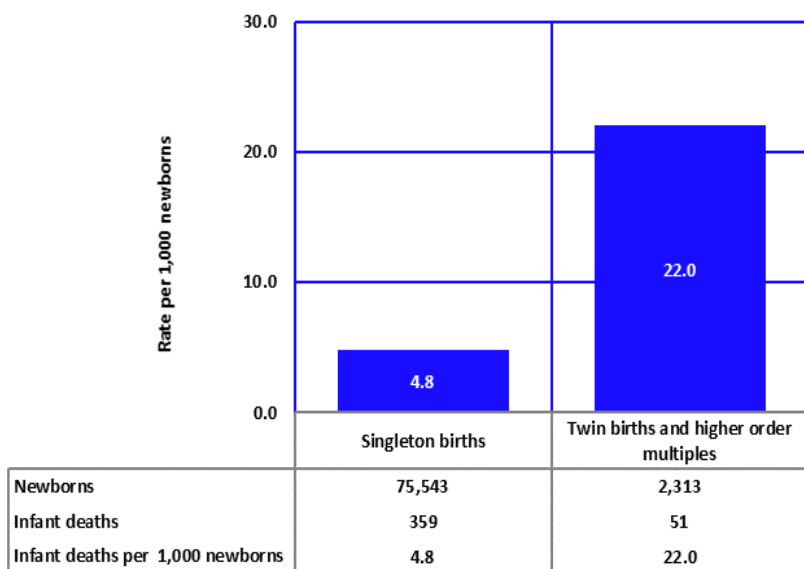
Similar to low birthweight infants, preterm and very preterm babies contribute greatly to the total infant mortality rate because of their higher risk of mortality. For example, in 2021 births occurring between 20-27 weeks of gestation accounted for only 0.6 percent of all births but 37.8 percent of infant deaths with a matching death record. Births at 20-23 weeks of gestation have a very high infant mortality rate of 73.5 per 100 live births (**Figure 2C-4**). Overall, in 2021 preterm infants (those born before 37 weeks of gestation) accounted for 10.0 percent of all births (**Table 1B-2**) and 60.2 percent of all infant deaths (only those with matching death records).



Note: 82 cases in the complete 2021 birth file had missing gestational age; one of which were missing in the linked infant death file.

2C.AGE-SPECIFIC MORTALITY
Infant mortality

Figure 2C-4.2
Infant Mortality Rates for Single and Multiple Births, Arizona, 2021



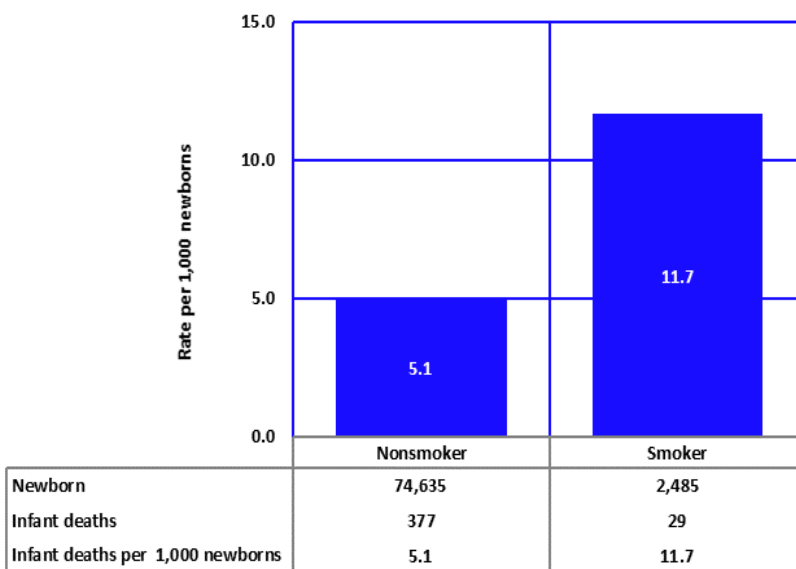
Note: 1 case in the complete 2021 birth file were missing plurality.

As already noted in Section 1B, infants born in multiple deliveries tend to be born at shorter gestations and smaller than those in singleton deliveries. In 2021, infants born in multiple deliveries were 11.0 times more likely (47.0 vs. 4.3 percent) to be born earlier than expected (at less than 37 completed weeks of gestation) and smaller (at less than 2,500 grams) than singleton births (**Figure 1B-10**).

The infant mortality rate for single births was 4.8/1,000 live births in 2021 (**Figure 2C-4.2**). The infant mortality rate for twin births or higher order multiples (22.0/1,000 live births) was 4.6 times higher than the infant mortality for singleton births.

Babies born in multiple deliveries accounted for 3.0 percent of births (**Table 1B-16**), but 12.4 percent of all infant deaths in Arizona in 2021 (only those with matching birth and death records).

Figure 2C-4.3
Infant Mortality Rates by Mother's Smoking Status during Pregnancy, Arizona, 2021



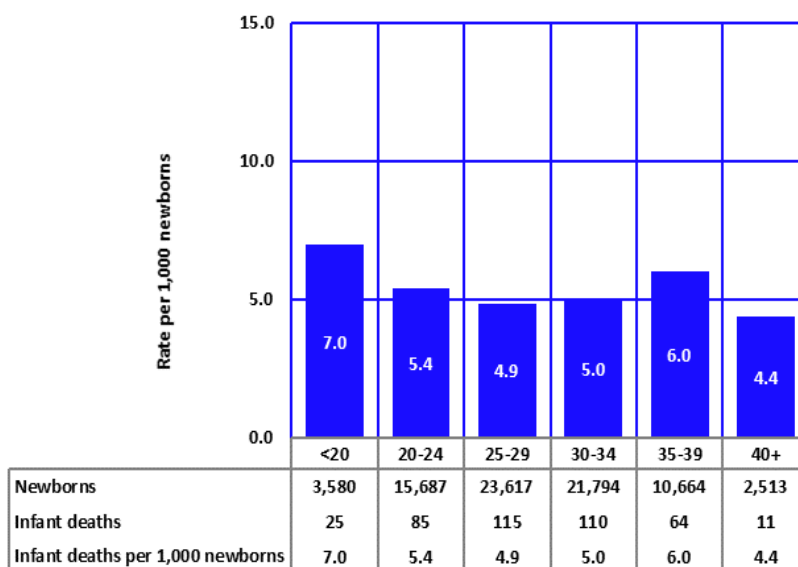
Note: 737 cases in the complete 2021 birth file were missing mothers' smoking status.

Smoking during pregnancy has been shown to increase the risk of preterm delivery, low birth weight and infant mortality. In 2021, among the 2,485 mothers who smoked during pregnancy, the risk of infant mortality was 2.3 times higher than among nonsmoker mothers (**Figure 2C-4.3**).

2C.AGE-SPECIFIC MORTALITY
Infant mortality

Figure 2C-4.4
Infant Mortality Rates by Mother's Age Group, Arizona, 2021

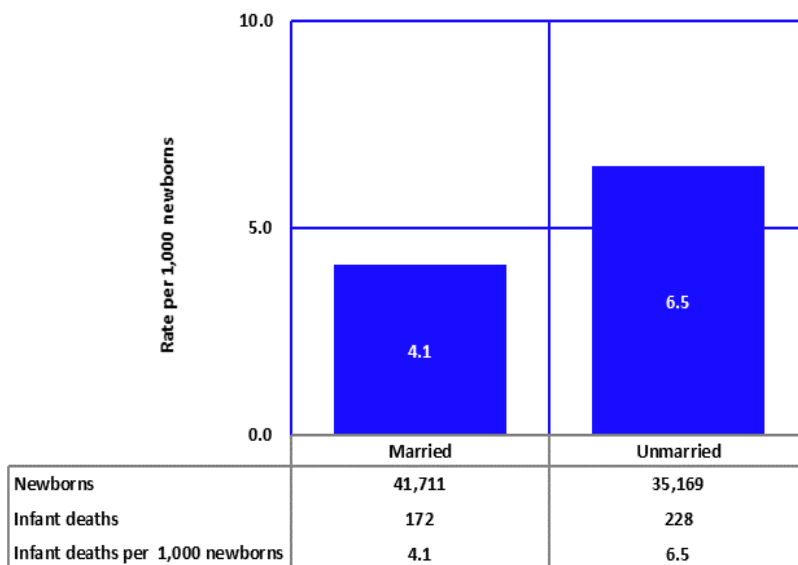
Infant mortality rates vary with maternal age. In 2021, infants born to younger mothers (less than 20 years) and older mothers (35-39 years) had the highest infant mortality rates of all age groups, 7.0/1,000 and 6.0/1,000 respectively (**Figure 2C-4.4**). For mothers aged 20 through 34 years and 40+ years, the infant mortality rates were consistently lower than 6 deaths/1,000.



Note: 2 cases in the complete 2021 birth file were missing mother's age.

Figure 2C-4.5
Infant Mortality Rates by Mother's Marital Status, Arizona, 2021

Infants born to unmarried mothers accounted for the absolute majority of infant deaths in 2021 (228 infant deaths) compared to married mothers (172 infant deaths). In 2021, more children were born to married women (41,711) than their unmarried counterparts (35,169; **Table 1B-25**). Infants of unmarried mothers had an infant mortality rate of 6.5 deaths per 1,000 live births, 1.6 times higher than the rate for infants of married mothers (4.1 infant deaths per 1,000 live births; **Figure 2C-4.5**). The effect of marital status on infant mortality suggests that marital status is a proxy measure of factors traditionally related to infant mortality such as poverty conditions, access to health care and social support. Mother's marital status may signify the presence or absence of emotional, social, and financial resources.



Note: 977 cases in the complete 2021 birth file were missing mother's marital status.

**TABLE 2C-1
INFANT, NEONATAL, AND POSTNEONATAL MORTALITY RATES AND PERCENT OF POSTNEONATAL DEATHS,
UNITED STATES, ARIZONA AND URBAN/RURAL COUNTIES OF ARIZONA, 2011-2021**

| UNITED STATES | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Infant mortality ^a | 6.0 | 6.0 | 6.0 | 5.8 | 5.9 | 5.8 | 5.8 | 5.7 | 5.7 | 5.4 | 5.4 |
| Neonatal mortality ^a | 4.0 | 4.0 | 4.0 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.7 | 3.6 | 3.5 |
| Postneonatal mortality ^a | 2.0 | 2.0 | 2.0 | 1.8 | 1.9 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| Percent postneonatal mortality ^b | 33.3 | 33.3 | 33.3 | 31.0 | 32.2 | 34.5 | 32.8 | 33.3 | 33.9 | 34.3 | 35.8 |
| ARIZONA, STATEWIDE TOTAL | | | | | | | | | | | |
| Infant mortality ^a | 5.9 | 5.8 | 5.3 | 6.2 | 5.6 | 5.4 | 5.6 | 5.6 | 5.4 | 5.3 | 5.5 |
| Neonatal mortality ^a | 3.9 | 3.9 | 3.4 | 4.1 | 3.5 | 3.6 | 3.5 | 3.9 | 3.4 | 3.5 | 3.8 |
| Postneonatal mortality ^a | 2.0 | 1.9 | 1.9 | 2.1 | 2.1 | 1.8 | 2.1 | 1.7 | 2.1 | 1.8 | 1.7 |
| Percent postneonatal mortality ^b | 34.3 | 32.9 | 35.3 | 33.4 | 37.8 | 33.7 | 37.7 | 30.4 | 38.1 | 34.4 | 31.2 |
| URBAN COUNTIES | | | | | | | | | | | |
| Infant mortality ^a | 5.8 | 5.7 | 5.2 | 6.1 | 5.3 | 5.2 | 5.4 | 5.5 | 5.2 | 5.1 | 5.5 |
| Neonatal mortality ^a | 3.9 | 3.9 | 3.3 | 4.0 | 3.3 | 3.5 | 3.4 | 3.8 | 3.3 | 3.4 | 3.9 |
| Postneonatal mortality ^a | 1.9 | 1.9 | 1.8 | 2.1 | 2.0 | 1.7 | 2.0 | 1.6 | 2.0 | 1.7 | 1.6 |
| Percent postneonatal mortality ^b | 32.6 | 32.9 | 35.1 | 34.1 | 37.4 | 32.5 | 36.6 | 29.9 | 37.8 | 34.0 | 29.9 |
| RURAL COUNTIES | | | | | | | | | | | |
| Infant mortality ^a | 6.6 | 5.9 | 5.8 | 6.6 | 7.3 | 5.6 | 6.9 | 6.2 | 6.5 | 6.1 | 5.6 |
| Neonatal mortality ^a | 3.7 | 3.9 | 3.7 | 4.5 | 4.4 | 3.1 | 3.7 | 4.1 | 4.0 | 3.7 | 3.4 |
| Postneonatal mortality ^a | 2.9 | 2.0 | 2.2 | 2.1 | 3.0 | 2.4 | 3.2 | 2.1 | 2.5 | 2.3 | 2.2 |
| Percent postneonatal mortality ^b | 43.8 | 33.8 | 37.3 | 31.6 | 40.5 | 43.8 | 46.7 | 33.3 | 38.8 | 38.3 | 40.0 |

Notes: ^a Rates per 1,000 live births; the U.S. rates are from the National Center for Health Statistics; ^b Total infant mortality = 100 percent; Urban = Maricopa, Pima, Pinal, and Yuma Counties; the remaining counties comprise Arizona's rural areas; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

<http://www.cdc.gov/nchs/products/index.htm>

**TABLE 2C-2
NUMBER AND RATES^a OF INFANT DEATHS BY RACE/ETHNICITY AND GENDER, ARIZONA, 2011-2021
NUMBER OF INFANT DEATHS**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| White non-Hispanic | | | | | | | | | | | |
| Total | 171 | 154 | 161 | 213 | 181 | 146 | 166 | 160 | 151 | 148 | 144 |
| Male | 98 | 81 | 93 | 122 | 99 | 87 | 93 | 94 | 81 | 88 | 68 |
| Female | 73 | 73 | 68 | 91 | 82 | 59 | 73 | 66 | 70 | 60 | 76 |
| Hispanic or Latino | | | | | | | | | | | |
| Total | 229 | 236 | 185 | 216 | 189 | 203 | 173 | 187 | 170 | 149 | 181 |
| Male | 122 | 138 | 97 | 108 | 94 | 111 | 98 | 110 | 99 | 84 | 102 |
| Female | 107 | 98 | 88 | 108 | 95 | 92 | 74 | 76 | 71 | 65 | 79 |
| Black or African American | | | | | | | | | | | |
| Total | 32 | 52 | 59 | 53 | 48 | 50 | 49 | 43 | 58 | 59 | 62 |
| Male | 16 | 22 | 30 | 35 | 24 | 23 | 30 | 18 | 33 | 29 | 28 |
| Female | 16 | 30 | 29 | 18 | 24 | 27 | 19 | 25 | 25 | 30 | 32 |
| American Indian or Alaska Native | | | | | | | | | | | |
| Total | 43 | 41 | 36 | 45 | 39 | 42 | 46 | 44 | 31 | 33 | 22 |
| Male | 15 | 22 | 19 | 24 | 21 | 22 | 23 | 20 | 19 | 16 | 13 |
| Female | 28 | 19 | 17 | 21 | 18 | 20 | 23 | 23 | 12 | 17 | 9 |
| Asian or Pacific Islander | | | | | | | | | | | |
| Total | 10† | 10† | 10† | 10† | 10† | 13 | 16 | 10† | 20† | 10† | 10† |
| Male | 8 | 8 | * | 6 | * | 7 | 10 | * | 13 | 7 | 9 |
| Female | * | * | * | * | 9 | 6 | 6 | * | * | * | * |
| All groups^b | | | | | | | | | | | |
| Total | 504 | 495 | 447 | 535 | 473 | 454 | 461 | 447 | 430 | 404 | 430 |
| Male | 267 | 271 | 242 | 295 | 243 | 250 | 262 | 250 | 247 | 228 | 224 |
| Female | 237 | 224 | 205 | 240 | 230 | 204 | 198 | 195 | 183 | 176 | 204 |

INFANT MORTALITY RATES

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| White non-Hispanic | | | | | | | | | | | |
| Total | 4.5 | 4.0 | 4.2 | 5.3 | 4.7 | 3.9 | 4.7 | 4.6 | 4.4 | 4.5 | 4.3 |
| Male | 5.0 | 4.1 | 4.7 | 5.9 | 5.0 | 4.5 | 5.1 | 5.2 | 4.6 | 5.2 | 3.9 |
| Female | 3.9 | 3.9 | 3.7 | 4.7 | 4.4 | 3.2 | 4.2 | 3.9 | 4.2 | 3.7 | 4.6 |
| Hispanic or Latino | | | | | | | | | | | |
| Total | 7.1 | 7.1 | 5.6 | 6.4 | 5.5 | 6.0 | 5.2 | 5.7 | 5.2 | 4.7 | 5.6 |
| Male | 7.3 | 8.1 | 5.7 | 6.2 | 5.4 | 6.4 | 5.8 | 6.5 | 6.0 | 5.2 | 6.2 |
| Female | 6.8 | 6.1 | 5.5 | 6.6 | 5.6 | 5.5 | 4.5 | 4.7 | 4.4 | 4.2 | 5.0 |
| Black or African American | | | | | | | | | | | |
| Total | 7.3 | 11.0 | 12.5 | 11.7 | 11.0 | 11.4 | 10.7 | 9.2 | 11.9 | 12.4 | 12.9 |
| Male | 7.3 | 9.2 | 12.3 | 14.9 | 10.7 | 10.3 | 12.6 | 7.9 | 13.1 | 12.0 | 11.7 |
| Female | 7.4 | 12.8 | 12.7 | 8.3 | 11.3 | 12.5 | 8.6 | 10.5 | 10.6 | 12.8 | 13.4 |
| American Indian or Alaska Native | | | | | | | | | | | |
| Total | 7.4 | 7.4 | 6.6 | 8.7 | 7.8 | 8.3 | 9.5 | 9.3 | 6.9 | 8.1 | 5.6 |
| Male | 5.1 | 7.8 | 6.7 | 9.4 | 8.3 | 8.7 | 9.2 | 8.2 | 8.3 | 7.6 | 6.5 |
| Female | 9.7 | 6.9 | 6.4 | 8.1 | 7.3 | 8.0 | 9.8 | 10.2 | 5.5 | 8.6 | 4.7 |
| Asian or Pacific Islander | | | | | | | | | | | |
| Total | 2.9 | 3.3 | 1.7 | 2.5 | 4.0 | 3.9 | 4.8 | 2.8 | 5.1 | 2.7 | 4.0 |
| Male | 4.4 | 4.2 | ** | 3.7 | ** | 4.0 | 5.9 | ** | 7.9 | 4.6 | 5.7 |
| Female | ** | ** | ** | ** | 5.7 | 3.7 | 3.7 | ** | ** | ** | ** |
| All groups^b | | | | | | | | | | | |
| Total | 5.9 | 5.8 | 5.3 | 6.2 | 5.6 | 5.4 | 5.6 | 5.6 | 5.4 | 5.3 | 5.5 |
| Male | 6.1 | 6.2 | 5.5 | 6.6 | 5.6 | 5.8 | 6.3 | 6.1 | 6.1 | 5.8 | 5.6 |
| Female | 5.7 | 5.4 | 5.0 | 5.7 | 5.5 | 4.9 | 4.9 | 5.0 | 4.7 | 4.7 | 5.4 |

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Number of infant deaths per 1,000 live births in specified ethnic/gender group; infant deaths are by the race/ethnicity of the decedent; For consistency with the national data, the denominators used to calculate infant mortality rates were changed from race/ethnicity of parents to race/ethnicity of mother as stated on the birth certificate; The change in the basis for calculating infant mortality rates results in lower rates for white infants and higher rates for most minority infants than when they are computed by the previous method; ^b Includes records with other and unknown ethnic group.

**TABLE 2C-3
NUMBER AND RATES^a OF INFANT DEATHS BY RACE/ETHNICITY AND AGE GROUP, 2011-2021
NUMBER OF INFANT DEATHS**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| White non-Hispanic | | | | | | | | | | | |
| Total | 171 | 154 | 161 | 213 | 181 | 146 | 166 | 160 | 151 | 148 | 144 |
| Neonatal | 120 | 100 | 97 | 138 | 108 | 92 | 106 | 116 | 92 | 99 | 90 |
| Postneonatal | 51 | 54 | 64 | 75 | 73 | 54 | 60 | 44 | 59 | 49 | 54 |
| Hispanic or Latino | | | | | | | | | | | |
| Total | 229 | 236 | 185 | 216 | 189 | 203 | 173 | 187 | 170 | 149 | 181 |
| Neonatal | 152 | 170 | 131 | 149 | 130 | 142 | 115 | 136 | 109 | 108 | 134 |
| Postneonatal | 77 | 66 | 54 | 67 | 59 | 61 | 58 | 51 | 61 | 41 | 47 |
| Black or African American | | | | | | | | | | | |
| Total | 32 | 52 | 59 | 53 | 48 | 50 | 49 | 43 | 58 | 59 | 62 |
| Neonatal | 20 | 34 | 38 | 34 | 25 | 33 | 30 | 25 | 37 | 36 | 44 |
| Postneonatal | 12 | 18 | 21 | 19 | 23 | 17 | 19 | 18 | 21 | 23 | 18 |
| American Indian or Alaska Native | | | | | | | | | | | |
| Total | 43 | 41 | 36 | 45 | 39 | 42 | 46 | 44 | 31 | 33 | 22 |
| Neonatal | 19 | 21 | 20 | 26 | 16 | 21 | 20 | 25 | 14 | 13 | 12 |
| Postneonatal | 24 | 20 | 16 | 19 | 23 | 21 | 26 | 19 | 17 | 20 | 10 |
| Asian or Pacific Islander | | | | | | | | | | | |
| Total | 10 | 10† | 10† | 10† | 10† | 13 | 16 | 10† | 20† | 10† | 10† |
| Neonatal | 10 | 7 | * | 7 | 12 | 13 | 7 | * | 11 | * | 9 |
| Postneonatal | 0 | * | * | * | * | 0 | 9 | * | * | * | * |
| All groups^b | | | | | | | | | | | |
| Total | 504 | 495 | 447 | 535 | 473 | 454 | 461 | 447 | 430 | 404 | 430 |
| Neonatal | 331 | 332 | 289 | 354 | 294 | 301 | 287 | 311 | 266 | 265 | 296 |
| Postneonatal | 173 | 163 | 158 | 181 | 179 | 153 | 174 | 136 | 164 | 139 | 134 |

INFANT MORTALITY RATES

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| White non-Hispanic | | | | | | | | | | | |
| Total | 4.5 | 4.0 | 4.2 | 5.3 | 4.7 | 3.9 | 4.7 | 4.6 | 4.4 | 4.5 | 4.3 |
| Neonatal | 3.1 | 2.6 | 2.5 | 3.4 | 2.8 | 2.4 | 3.0 | 3.3 | 2.7 | 3.0 | 2.7 |
| Postneonatal | 1.3 | 1.4 | 1.7 | 1.9 | 1.9 | 1.4 | 1.7 | 1.3 | 1.7 | 1.5 | 1.6 |
| Hispanic or Latino | | | | | | | | | | | |
| Total | 7.1 | 7.1 | 5.6 | 6.4 | 5.5 | 6.0 | 5.2 | 5.7 | 5.2 | 4.7 | 5.6 |
| Neonatal | 4.7 | 5.1 | 4.0 | 4.4 | 3.8 | 4.2 | 3.5 | 4.1 | 3.3 | 3.4 | 4.2 |
| Postneonatal | 2.4 | 2.0 | 1.6 | 2.0 | 1.7 | 1.8 | 1.7 | 1.5 | 1.9 | 1.3 | 1.5 |
| Black or African American | | | | | | | | | | | |
| Total | 7.3 | 11.0 | 12.5 | 11.7 | 11.0 | 11.4 | 10.7 | 9.2 | 11.9 | 12.4 | 12.9 |
| Neonatal | 4.6 | 7.2 | 8.0 | 7.5 | 5.7 | 7.5 | 6.5 | 5.4 | 7.6 | 7.6 | 9.2 |
| Postneonatal | 2.7 | 3.8 | 4.4 | 4.2 | 5.3 | 3.9 | 4.1 | 3.9 | 4.3 | 4.8 | 3.8 |
| American Indian or Alaska Native | | | | | | | | | | | |
| Total | 7.4 | 7.4 | 6.6 | 8.7 | 7.8 | 8.3 | 9.5 | 9.3 | 6.9 | 8.1 | 5.6 |
| Neonatal | 3.3 | 3.8 | 3.7 | 5.1 | 3.2 | 4.2 | 4.1 | 5.3 | 3.1 | 3.2 | 3.1 |
| Postneonatal | 4.1 | 3.6 | 2.9 | 3.7 | 4.6 | 4.2 | 5.3 | 4.0 | 3.8 | 4.9 | 2.6 |
| Asian or Pacific Islander | | | | | | | | | | | |
| Total | 2.9 | 3.3 | 1.7 | 2.5 | 4.0 | 4.0 | 4.8 | 2.8 | 5.1 | 2.7 | 4.0 |
| Neonatal | 2.9 | 1.9 | ** | 2.2 | 3.7 | 3.9 | 2.1 | ** | 3.5 | ** | 3.0 |
| Postneonatal | 0.0 | ** | ** | ** | ** | 0.0 | 2.7 | ** | ** | ** | ** |
| All groups^b | | | | | | | | | | | |
| Total | 5.9 | 5.8 | 5.3 | 6.2 | 5.6 | 5.4 | 5.6 | 5.6 | 5.4 | 5.3 | 5.5 |
| Neonatal | 3.9 | 3.9 | 3.4 | 4.1 | 3.5 | 3.6 | 3.5 | 3.9 | 3.4 | 3.5 | 3.8 |
| Postneonatal | 2.0 | 1.9 | 1.9 | 2.1 | 2.1 | 1.8 | 2.1 | 1.7 | 2.1 | 1.8 | 1.7 |

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Number of infant deaths per 1,000 live births in specified ethnic/gender group; infant deaths are by the race/ethnicity of the decedent; for consistency with the national data, the denominators used to calculate infant mortality rates were changed from race/ethnicity of parents to race/ethnicity of mother as stated on the birth certificate; the change in the basis for calculating infant mortality rates results in lower rates for white infants and higher rates for most minority infants than when they are computed by the previous method; ^b Includes records with other and unknown ethnic group.

**TABLE 2C-4
NEONATAL, POSTNEONATAL, AND TOTAL INFANT MORTALITY BY CHILD'S GENDER AND MOTHER'S RACE/ETHNICITY,
ARIZONA, 2021**

| | NUMBER OF DEATHS BY AGE | | | MORTALITY RATES ^a | | |
|-----------------------------------------|-------------------------|----------|--------------|------------------------------|----------|--------------|
| | Total | Neonatal | Postneonatal | Total | Neonatal | Postneonatal |
| TOTAL, ALL GROUPS | 430 | 296 | 134 | 5.5 | 3.8 | 1.7 |
| Male | 224 | 162 | 62 | 5.6 | 4.1 | 1.6 |
| Female | 204 | 132 | 72 | 5.4 | 3.5 | 1.9 |
| White non-Hispanic | 144 | 90 | 54 | 4.3 | 2.7 | 1.6 |
| Male | 68 | 45 | 23 | 3.9 | 2.6 | 1.3 |
| Female | 76 | 45 | 31 | 4.6 | 2.7 | 1.9 |
| Hispanic or Latino | 181 | 134 | 47 | 5.6 | 4.2 | 1.5 |
| Male | 102 | 80 | 22 | 6.2 | 4.9 | 1.3 |
| Female | 79 | 54 | 25 | 5.0 | 3.4 | 1.6 |
| Black or African American | 62 | 44 | 18 | 12.9 | 9.2 | 3.8 |
| Male | 28 | 20 | 8 | 11.7 | 8.3 | 3.3 |
| Female | 32 | 22 | 10 | 13.4 | 9.2 | 4.2 |
| American Indian or Alaska Native | 22 | 12 | 10 | 5.6 | 3.1 | 2.6 |
| Male | 13 | 7 | 6 | 6.5 | 3.5 | 3.0 |
| Female | 10† | * | * | 4.7 | ** | ** |
| Asian or Pacific Islander | 10† | 9 | * | 4.0 | 3.0 | ** |
| Male | 10† | 7 | * | 5.7 | 4.4 | ** |
| Female | 0† | * | * | ** | ** | ** |

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Number of deaths per 1,000 live births in specified gender group by mother's race/ethnicity; denominators are from Table 5B-8.

**TABLE 2C-5
NUMBER OF DEATHS FOR SELECTED LEADING CAUSES OF INFANT MORTALITY^a BY YEAR, ARIZONA, 2011-2021**

| Causes of death | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Congenital malformations, deformations and chromosomal abnormalities | 107 | 118 | 101 | 121 | 117 | 105 | 92 | 122 | 103 | 87 | 94 |
| of brain, spinal cord or nervous system | 13 | 19 | 13 | 24 | 20 | 14 | 18 | 17 | 12 | 12 | 14 |
| of respiratory system | * | 6 | * | * | 8 | 7 | * | 13 | 13 | 6 | * |
| Short gestation and low birth weight | 60 | 62 | 56 | 63 | 53 | 55 | 64 | 73 | 54 | 73 | 88 |
| Maternal complications | 33 | 46 | 28 | 39 | 39 | 28 | 31 | 21 | 23 | 20 | 17 |
| Accidents (unintentional injuries) | 23 | 16 | 14 | 27 | 29 | 16 | 23 | 13 | 20 | 17 | 31 |
| Sudden infant death syndrome | 25 | 13 | 14 | 13 | 15 | 7 | 14 | 14 | 17 | 13 | 13 |
| Respiratory distress syndrome | * | * | * | * | * | * | 6 | * | * | 8 | 8 |
| Intrauterine hypoxia or birth asphyxia | 11 | * | 6 | 9 | * | 6 | 11 | * | 6 | 11 | 7 |
| Assault (homicide) | 6 | * | * | 6 | * | * | 10 | * | 8 | * | * |
| Influenza and pneumonia | * | * | * | * | * | * | * | * | * | * | * |
| COVID-19[‡] | - | - | - | - | - | - | - | - | - | 0 | * |
| Total, all causes | 504 | 495 | 447 | 535 | 473 | 454 | 461 | 447 | 430 | 404 | 430 |

Notes: * Cell suppressed due to count less than 6; ^a Leading causes of infant mortality are based on the list of 130 causes of infant death according to the Tenth Revision, International Classification of Diseases (ICD-10); [‡] The COVID-19 data collection began in mid-March 2020.

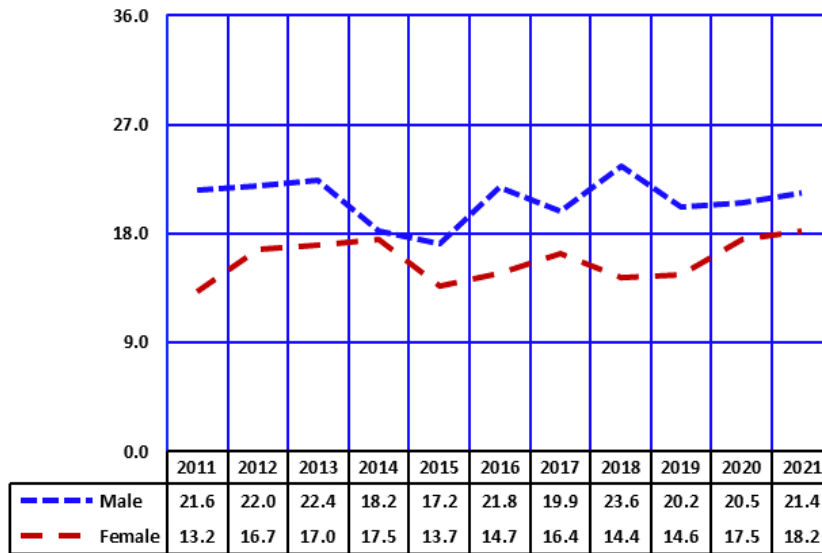
**TABLE 2C-6
INFANT MORTALITY RATES^a FOR SELECTED LEADING CAUSES OF DEATH BY YEAR, ARIZONA, 2011-2021**

| Causes of death | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Congenital malformations, deformations and chromosomal abnormalities | 1.3 | 1.4 | 1.2 | 1.4 | 1.4 | 1.2 | 1.1 | 1.5 | 1.3 | 1.1 | 1.2 |
| of brain, spinal cord or nervous system | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| of respiratory system | ** | 0.1 | ** | ** | 0.1 | 0.1 | ** | 0.2 | 0.2 | 0.1 | ** |
| Short gestation and low birth weight | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 | 0.7 | 0.8 | 0.9 | 0.7 | 1.0 | 1.1 |
| Maternal complications | 0.4 | 0.5 | 0.3 | 0.5 | 0.5 | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 |
| Accidents (unintentional injuries) | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.2 | 0.4 |
| Sudden infant death syndrome | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Respiratory distress syndrome | ** | ** | ** | ** | ** | ** | 0.1 | ** | ** | 0.1 | 0.1 |
| Intrauterine hypoxia or birth asphyxia | 0.1 | ** | 0.1 | 0.1 | ** | 0.1 | 0.1 | ** | 0.1 | 0.1 | 0.1 |
| Assault (homicide) | 0.1 | ** | ** | 0.1 | ** | ** | 0.1 | ** | 0.1 | ** | ** |
| Influenza and pneumonia | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| COVID-19[±] | - | - | - | - | - | - | - | - | - | 0.0 | ** |
| Total, all causes | 5.9 | 5.8 | 5.3 | 6.2 | 5.6 | 5.4 | 5.6 | 5.6 | 5.4 | 5.3 | 5.5 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a Number of infant deaths per 1,000 live births; leading causes of infant mortality are based on the list of 130 causes of infant death according to the Tenth Revision, International Classification of Diseases (ICD-10); [±] The COVID-19 data collection began in mid-March 2020.

2C.AGE-SPECIFIC MORTALITY
Childhood mortality (ages 1-14 years)

Figure 2C-5
Mortality Rates^a by Gender and Year among Children 1-14 Years,
Arizona, 2011-2021

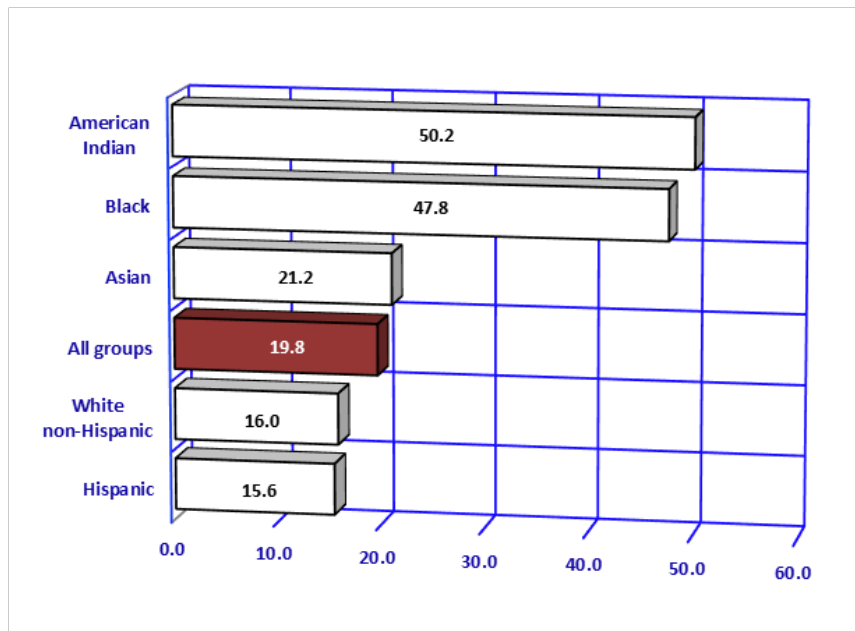


In 2021, a total of 249 deaths were recorded among 1,256,232 children aged 1-14 years residing in Arizona. The 2021 childhood mortality rate was 19.8 per 100,000, representing an increase from 19.1 the rate recorded in 2020 (**Table 2C-7**). Between 2020 and 2021 the mortality rate for male and female children witnessed a slight increase (**Figure 2C-5, Table 2C-7**).

The five causes with the greatest mortality rates in childhood from 2011-2021 were *accidents* (unintentional injuries), *malignant neoplasms*, *congenital malformations*, *suicide*, and *homicide* (**Table 2C-7**).

Note: ^a Number of deaths per 100,000 persons, 1-14 years old in specified group.

Figure 2C-6
Mortality Rates^a by Race/Ethnicity among Children 1-14 Years,
Arizona, 2021



American Indian children had the highest total mortality rate (50.2 deaths per 100,000) in 2021, followed by Black or African American children (47.8/100,000; and Asian children (21.2/100,000 **Figure 2C-6**). The mortality rates of White non-Hispanic and Hispanic or Latino children were lower than the average rate for all groups.

It is important to note that the mortality rate of Asians is based on a very low death count (n=10) (**Table 2C-10**) thus not statistically reliable.

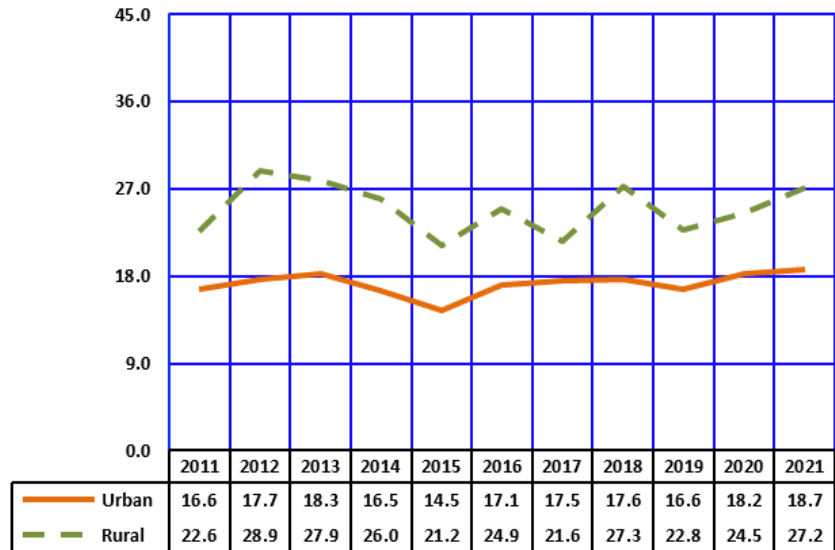
In 2021, there were 17 children who died from congenital anomalies and 16 by means of suicide among this age group (**Table 2C-10**).

Note: ^a Number of deaths per 100,000 persons, 1-14 years old in specified group.

2C.AGE-SPECIFIC MORTALITY
Childhood mortality (ages 1-14 years)

Figure 2C-7
Mortality Rates^a by Urban/Rural Area^b and Year among Children 1-14 Years, Arizona, 2011-2021

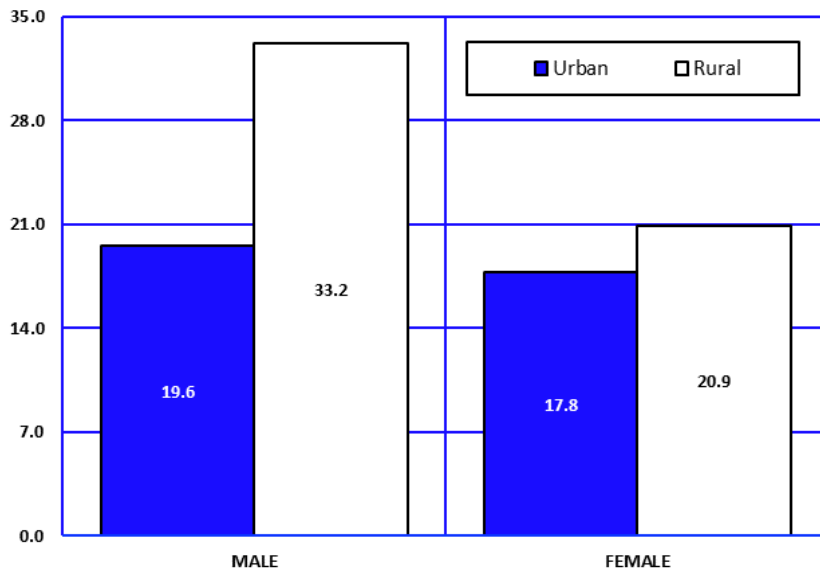
From 2020 to 2021, mortality rates increased for both rural and urban children (**Figure 2C-7, Table 2C-8**). Between 2011 and 2021, urban childhood mortality rates have been lower than rural childhood mortality rates in each year during the 11-year period.



Notes: ^a Number of deaths per 100,000 persons, 1-14 years old in specified group; ^b Urban counties are Maricopa, Pima, Pinal, and Yuma Counties. Rural counties are those remaining.

Figure 2C-8
Mortality Rates^a by Gender in Urban/Rural^b Areas among Children 1-14 Years, Arizona, 2021

The overall mortality rate among children 1-14 years residing in Arizona was higher for males in rural areas compared to urban with 33.2 deaths per 100,000 persons aged 1-14 years in rural areas versus 19.6 deaths per 100,000 persons aged 1-14 years in urban areas. Similarly, the mortality rate for females 1-14 years was 20.9 deaths per 100,000 persons aged 1-14 years in rural areas compared to 17.8 deaths per 100,000 persons aged 1-14 years in urban areas.



Notes: ^a Number of deaths per 100,000 persons, 1-14 years old in specified group; ^b Urban counties include Maricopa, Pima, Pinal, and Yuma Counties. Rural counties are those remaining.

**TABLE 2C-7
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG CHILDREN (1-14 YEARS)
BY GENDER, ARIZONA, 2011-2021**

| Gender/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| MALE | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 9.6 | 7.4 | 8.6 | 6.5 | 5.7 | 7.0 | 6.8 | 8.4 | 5.0 | 6.7 | 7.5 | -21.9 |
| Motor vehicle accidents | 4.0 | 3.5 | 4.5 | 2.5 | 2.0 | 4.0 | 2.9 | 3.2 | 2.9 | 3.4 | 3.0 | -25.0 |
| Drowning | 2.6 | 2.2 | 1.8 | 2.2 | 1.9 | 2.3 | 2.3 | 3.2 | 0.8 | 2.2 | 2.5 | -3.8 |
| Other | 3.1 | 1.7 | 2.3 | 1.9 | 1.9 | 0.6 | 1.5 | 2.0 | 1.4 | 1.1 | 2.0 | -35.5 |
| Malignant neoplasms | 1.7 | 2.8 | 2.5 | 1.7 | 1.7 | 1.6 | 2.3 | 2.3 | 3.1 | 2.0 | 1.9 | 11.8 |
| Assault (homicide) | 0.9 | 0.9 | 1.4 | 0.9 | 1.2 | 0.9 | 0.6 | 0.5 | 1.8 | 1.7 | 1.4 | 55.6 |
| Intentional self-harm (suicide) | 1.1 | 1.1 | 0.6 | 1.1 | 1.1 | 0.8 | 1.7 | 2.0 | 1.4 | 1.7 | 1.2 | 9.1 |
| Congenital malformations | 1.7 | 1.8 | 0.9 | 0.9 | 0.9 | 1.1 | 0.9 | 1.2 | 1.5 | 1.1 | 1.2 | -29.4 |
| ALL CAUSES | 21.6 | 22.0 | 22.4 | 18.2 | 17.2 | 21.8 | 19.9 | 23.6 | 20.2 | 20.5 | 21.4 | -0.9 |
| (Number of all deaths) | (141) | (143) | (146) | (118) | (111) | (140) | (129) | (154) | (132) | (132) | (137) | (-2.8) |
| FEMALE | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 3.2 | 3.7 | 4.5 | 3.7 | 4.3 | 4.5 | 5.1 | 3.3 | 4.1 | 5.3 | 7.0 | 118.8 |
| Motor vehicle accidents | 1.1 | 1.8 | 2.6 | 2.6 | 1.9 | 2.7 | 2.2 | 2.4 | 2.1 | 2.9 | 2.9 | 163.6 |
| Drowning | 1.3 | 0.8 | 1.3 | 0.5 | 0.6 | 0.8 | 1.3 | 0.5 | 0.6 | 1.0 | 2.1 | 61.5 |
| Other | 0.8 | 1.1 | 0.6 | 0.6 | 1.8 | 1.0 | 1.6 | 0.5 | 1.4 | 1.5 | 1.9 | 137.5 |
| Malignant neoplasms | 2.4 | 2.4 | 2.1 | 2.9 | 0.5 | 1.3 | 2.4 | 2.6 | 2.1 | 1.9 | 1.8 | -25.0 |
| Congenital malformations | 1.0 | 2.3 | 2.4 | 1.3 | 2.1 | 0.6 | 1.1 | 1.3 | 1.0 | 1.8 | 1.5 | 50.0 |
| Assault (homicide) | 1.3 | 1.1 | 1.6 | 1.3 | 1.3 | 1.3 | 1.0 | 1.3 | 1.1 | 1.3 | 0.8 | -38.5 |
| Influenza and pneumonia | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.0 | 0.2 | 0.2 | -33.3 |
| ALL CAUSES | 13.2 | 16.7 | 17.0 | 17.5 | 13.7 | 14.7 | 16.4 | 14.4 | 14.6 | 17.5 | 18.2 | 37.9 |
| (Number of all deaths) | (83) | (104) | (106) | (109) | (85) | (91) | (102) | (90) | (92) | (108) | (112) | 34.9 |
| TOTAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 6.5 | 5.6 | 6.6 | 5.1 | 5.0 | 5.8 | 6.0 | 5.9 | 4.6 | 6.0 | 7.2 | 10.8 |
| Motor vehicle accidents | 2.6 | 2.7 | 3.5 | 2.5 | 2.0 | 3.4 | 2.6 | 2.8 | 2.5 | 3.2 | 2.9 | 11.5 |
| Drowning | 2.0 | 1.5 | 1.6 | 1.3 | 1.3 | 1.6 | 1.8 | 1.9 | 0.7 | 1.6 | 2.3 | 15.0 |
| Other | 2.0 | 1.4 | 1.5 | 1.3 | 1.8 | 0.8 | 1.6 | 1.3 | 1.4 | 1.3 | 2.0 | 0.0 |
| Malignant neoplasms | 2.0 | 2.6 | 2.3 | 2.3 | 1.1 | 1.4 | 2.4 | 2.4 | 2.6 | 2.0 | 1.8 | -10.0 |
| Congenital malformations | 1.3 | 2.0 | 1.6 | 1.1 | 1.5 | 0.9 | 1.0 | 1.3 | 1.2 | 1.4 | 1.4 | 7.7 |
| Intentional self-harm (suicide) | 0.9 | 0.6 | 0.6 | 0.9 | 0.9 | 0.7 | 1.3 | 1.3 | 1.2 | 1.3 | 1.3 | 44.4 |
| Assault (homicide) | 1.1 | 1.0 | 1.5 | 1.1 | 1.3 | 1.1 | 0.8 | 0.9 | 1.5 | 1.5 | 1.1 | 0.0 |
| ALL CAUSES | 17.5 | 19.4 | 19.8 | 17.9 | 15.4 | 18.3 | 18.2 | 19.1 | 17.5 | 19.1 | 19.8 | 13.1 |
| (Number of all deaths) | (224) | (247) | (252) | (227) | (196) | (231) | (231) | (244) | (224) | (240) | (249) | 11.2 |

Notes: ^a Number of deaths per 100,000 children 1-14 years old; ^b The five causes with the greatest number of deaths over the 2011-2021 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the “comparability ratios” – for the causes of death shown in this report are provided in the **Technical Notes**; although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-8
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG CHILDREN (1-14 YEARS)
IN URBAN AND RURAL AREAS^c, ARIZONA, 2011-2021**

| Area/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| URBAN | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 5.7 | 4.7 | 5.5 | 4.5 | 4.3 | 5.0 | 5.8 | 5.4 | 4.1 | 6.0 | 6.3 | 10.5 |
| Drowning | 2.2 | 1.5 | 1.8 | 1.4 | 1.2 | 1.8 | 2.1 | 2.0 | 0.7 | 1.8 | 2.3 | 4.5 |
| Motor vehicle accidents | 1.7 | 1.9 | 2.6 | 2.0 | 1.7 | 2.6 | 2.1 | 2.1 | 2.1 | 2.7 | 2.2 | 29.4 |
| Other | 1.7 | 1.3 | 1.1 | 1.1 | 1.4 | 0.6 | 1.6 | 1.4 | 1.3 | 1.5 | 1.8 | 5.9 |
| Malignant neoplasms | 2.1 | 2.6 | 2.4 | 2.3 | 1.1 | 1.4 | 2.5 | 2.5 | 2.5 | 2.0 | 1.8 | -14.3 |
| Congenital malformations | 1.3 | 2.1 | 1.8 | 1.0 | 1.5 | 0.9 | 1.0 | 1.4 | 1.3 | 1.6 | 1.3 | 0.0 |
| Assault (homicide) | 1.2 | 0.9 | 1.5 | 1.0 | 1.2 | 1.1 | 0.6 | 0.7 | 1.6 | 1.3 | 1.3 | 8.3 |
| Diseases of heart | 0.4 | 0.6 | 0.3 | 0.3 | 0.3 | 0.5 | 0.2 | 0.5 | 0.3 | 0.5 | 0.4 | 0.0 |
| ALL CAUSES | 16.6 | 17.7 | 18.3 | 16.5 | 14.5 | 17.1 | 17.5 | 17.6 | 16.6 | 18.2 | 18.7 | 12.7 |
| (Number of all deaths) | (182) | (192) | (200) | (180) | (158) | (186) | (192) | (194) | (184) | (199) | (204) | |
| RURAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 11.3 | 10.9 | 12.6 | 8.9 | 9.5 | 10.8 | 6.8 | 8.5 | 8.0 | 6.0 | 13.3 | 17.7 |
| Motor vehicle accidents | 7.5 | 7.1 | 8.7 | 5.5 | 3.3 | 8.5 | 5.1 | 7.4 | 5.1 | 6.0 | 7.9 | 5.3 |
| Other | 3.2 | 2.2 | 3.8 | 2.2 | 4.5 | 2.3 | 1.7 | 0.0 | 2.3 | 0.0 | 3.0 | -6.3 |
| Drowning | 0.5 | 1.6 | 0.0 | 1.1 | 1.7 | 0.0 | 0.0 | 1.1 | 0.6 | 0.0 | 2.4 | 380.0 |
| Intentional self-harm (suicide) | 0.5 | 1.1 | 1.6 | 2.2 | 2.8 | 1.7 | 4.0 | 3.4 | 2.3 | 3.0 | 3.0 | 500.0 |
| Malignant neoplasms | 1.6 | 2.2 | 1.6 | 2.2 | 1.1 | 1.7 | 1.7 | 1.7 | 2.8 | 1.8 | 1.8 | 12.5 |
| Congenital malformations | 1.6 | 1.6 | 0.5 | 1.7 | 1.7 | 0.6 | 1.1 | 0.0 | 1.1 | 0.6 | 1.8 | 12.5 |
| Assault (homicide) | 0.5 | 1.6 | 1.6 | 1.7 | 1.7 | 1.1 | 1.7 | 1.7 | 0.6 | 3.0 | 0.0 | -100.0 |
| ALL CAUSES | 22.6 | 28.9 | 27.9 | 26.0 | 21.2 | 24.9 | 21.6 | 27.3 | 22.8 | 24.5 | 27.2 | 20.4 |
| (Number of all deaths) | (42) | (53) | (51) | (47) | (38) | (44) | (38) | (48) | (40) | (41) | (45) | |
| TOTAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 6.5 | 5.6 | 6.6 | 5.1 | 5.0 | 5.8 | 6.0 | 5.9 | 4.6 | 6.0 | 7.2 | 10.8 |
| Motor vehicle accidents | 2.6 | 2.7 | 3.5 | 2.5 | 2.0 | 3.4 | 2.6 | 2.8 | 2.5 | 3.2 | 2.9 | 11.5 |
| Drowning | 2.0 | 1.5 | 1.6 | 1.3 | 1.3 | 1.6 | 1.8 | 1.9 | 0.7 | 1.6 | 2.3 | 15.0 |
| Other | 2.0 | 1.4 | 1.5 | 1.3 | 1.8 | 0.8 | 1.6 | 1.3 | 1.4 | 1.3 | 2.0 | 0.0 |
| Malignant neoplasms | 2.0 | 2.6 | 2.3 | 2.3 | 1.1 | 1.4 | 2.4 | 2.4 | 2.6 | 2.0 | 1.8 | -10.0 |
| Congenital malformations | 1.3 | 2.0 | 1.6 | 1.1 | 1.5 | 0.9 | 1.0 | 1.3 | 1.2 | 1.4 | 1.4 | 7.7 |
| Intentional self-harm (suicide) | 0.9 | 0.6 | 0.6 | 0.9 | 0.9 | 0.7 | 1.3 | 1.3 | 1.2 | 1.3 | 1.3 | 44.4 |
| Assault (homicide) | 1.1 | 1.0 | 1.5 | 1.1 | 1.3 | 1.1 | 0.8 | 0.9 | 1.5 | 1.5 | 1.1 | 0.0 |
| ALL CAUSES | 17.5 | 19.4 | 19.8 | 17.9 | 15.4 | 18.3 | 18.2 | 19.1 | 17.5 | 19.1 | 19.8 | 13.1 |
| (Number of all deaths) | (224) | (247) | (252) | (227) | (196) | (231) | (231) | (244) | (224) | (240) | (249) | |

Notes: ^a Number of deaths per 100,000 children 1-14 years old; ^b The five causes with the greatest number of deaths over the 2011-2021 period; ^c Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10; measures of comparison between ICD-9 and ICD-10 - the "comparability ratios" - for the causes of death shown in this report are provided in the **Technical Notes**; although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-9
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS)
BY GENDER IN URBAN AND RURAL AREAS^b, ARIZONA, 2011-2021**

| Area/Gender | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
| URBAN | | | | | | | | | | | | |
| Male | 20.8 | 20.0 | 21.3 | 16.2 | 16.2 | 19.9 | 18.4 | 22.2 | 19.6 | 19.4 | 19.6 | -5.8 |
| Female | 12.3 | 15.2 | 15.2 | 16.8 | 12.7 | 14.3 | 16.6 | 12.8 | 13.5 | 17.0 | 17.8 | 44.7 |
| TOTAL | 16.6 | 17.7 | 18.3 | 16.5 | 14.5 | 17.1 | 17.5 | 17.6 | 16.6 | 18.2 | 18.7 | 12.7 |
| RURAL | | | | | | | | | | | | |
| Male | 26.4 | 32.1 | 29.0 | 30.5 | 23.1 | 33.5 | 27.9 | 32.5 | 23.5 | 28.2 | 33.2 | 25.8 |
| Female | 18.7 | 25.5 | 26.6 | 21.3 | 19.3 | 16.1 | 15.0 | 21.9 | 22.1 | 20.7 | 20.9 | 11.8 |
| TOTAL | 22.6 | 28.9 | 27.9 | 26.0 | 21.2 | 24.9 | 21.6 | 27.3 | 22.8 | 24.5 | 27.2 | 20.4 |
| TOTAL | | | | | | | | | | | | |
| Male | 21.6 | 22.0 | 22.4 | 18.2 | 17.2 | 21.8 | 19.9 | 23.6 | 20.2 | 20.5 | 21.4 | -0.9 |
| Female | 13.2 | 16.7 | 17.0 | 17.5 | 13.7 | 14.7 | 16.4 | 14.4 | 14.6 | 17.5 | 18.2 | 37.9 |
| TOTAL | 17.5 | 19.4 | 19.8 | 17.9 | 15.4 | 18.3 | 18.2 | 19.1 | 17.5 | 19.1 | 19.8 | 13.1 |

Notes: ^a Rates are presented per 100,000 children 1-14 years old; ^b Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

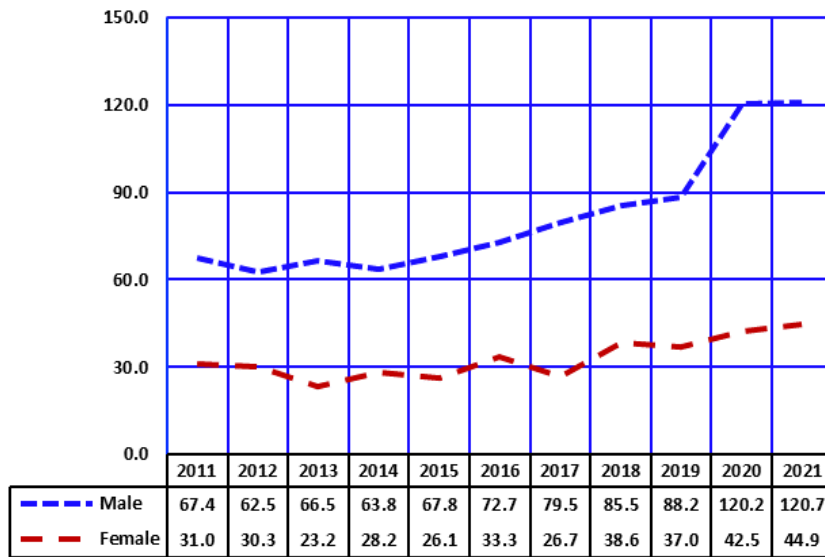
**TABLE 2C-10
LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2021**

| Cause of death | Total | Gender | | Area ^a | | Race/ethnicity | | | | | |
|------------------------------------|-----------------|------------|------------|-------------------|-----------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------------|----------|
| | | Male | Female | Urban | Rural | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or other Pacific Islander | Unknown |
| Accidents (unintentional injury) | 90 [†] | 48 | 43 | 69 | 22 | 22 | 34 | 16 | 16 | * | 0 |
| Motor vehicle accidents | 40 [†] | 19 | 18 | 24 | 13 | * | 16 | 7 | 9 | * | 0 |
| Accidental drowning and submersion | 30 [†] | 16 | 13 | 25 | * | 12 | 9 | 7 | 0 | * | 0 |
| Malignant neoplasms | 20 [†] | 12 | 11 | 20 | * | 8 | 13 | * | * | 0 | 0 |
| Leukemia | 10 [†] | * | * | * | * | * | * | 0 | * | 0 | 0 |
| Congenital malformations | 20 [†] | 8 | 9 | 14 | * | 8 | * | * | * | * | 0 |
| Intentional self-harm (suicide) | 20 [†] | 8 | 8 | 11 | * | 6 | * | * | * | * | 0 |
| Assault (homicide) | 10 [†] | 9 | * | 14 | 0 | * | * | 7 | 0 | * | 0 |
| By other means | 10 [†] | 6 | * | 9 | 0 | * | * | * | 0 | * | 0 |
| By discharge of firearms | 10 [†] | * | * | * | 0 | * | * | * | 0 | 0 | 0 |
| COVID-19 | 10 [†] | * | * | 7 | 0 | * | 0 | * | * | * | 0 |
| Influenza and pneumonia | 0 [†] | * | * | * | * | * | * | 0 | 0 | 0 | 0 |
| Chronic lower respiratory diseases | 0 [†] | * | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Asthma | 0 [†] | * | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Total, all causes | 249 | 137 | 112 | 204 | 45 | 80 | 88 | 39 | 31 | 10 | 1 |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas.

2C.AGE-SPECIFIC MORTALITY
Adolescent mortality (ages 15-19 years)

Figure 2C-9
Mortality Rates^a by Gender and Year among Adolescents 15-19 Years,
Arizona, 2011-2021

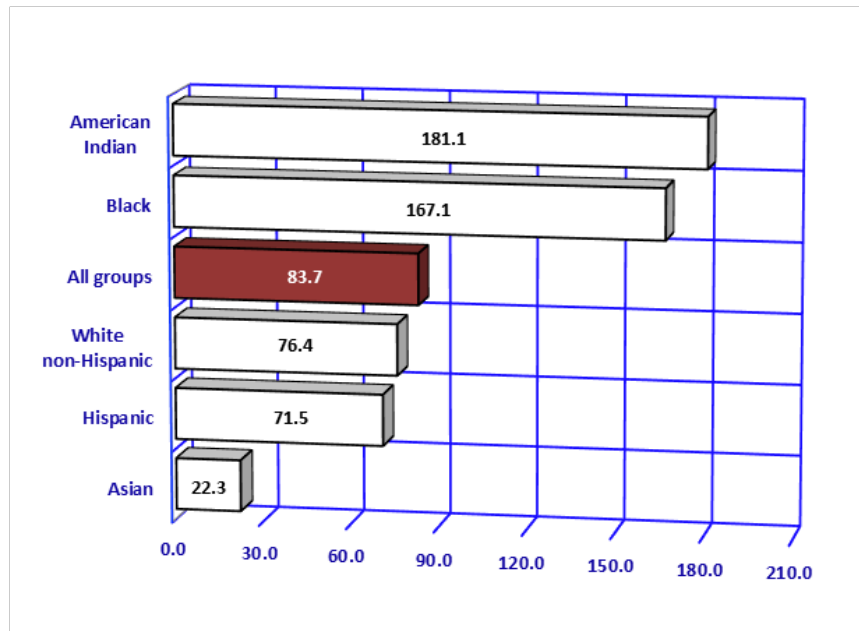


Adolescence refers to individuals between the ages of 15 and 19, an important developmental period marking the transition from childhood to adulthood. In 2021, an estimated 473,400 adolescents resided in Arizona, comprising 6.5 percent of the State's population (**Table 10A-1**). The lives of 396 resident adolescents prematurely ended in 2021, resulting in a total mortality rate of 83.7 deaths per 100,000 adolescents. This mortality rate was 68.4 percent higher than the 2011 rate (**Table 2C-11**).

The likelihood of dying was approximately 2.69 times higher for adolescent boys than for adolescent girls in 2021 (**Figure 2C-9, Table 2C-11**).

Notes: ^a Number of deaths per 100,000 persons, 15 - 19 years old in specified group.

Figure 2C-10
Mortality Rates^a by Race/Ethnicity among Adolescents 15-19 Years,
Arizona, 2021



The five causes with the greatest number of deaths over the 2011-2021 period were *unintentional injuries in accidents, suicide, homicide, malignant neoplasms, and diseases of heart* (**Table 2C-14**).

In 2021, adolescents who were Asian, Hispanic, or White had greater survival chances than the state average for all adolescents. American Indian had the lowest survival chances of all racial/ethnic groups (**Figure 2C-10**).

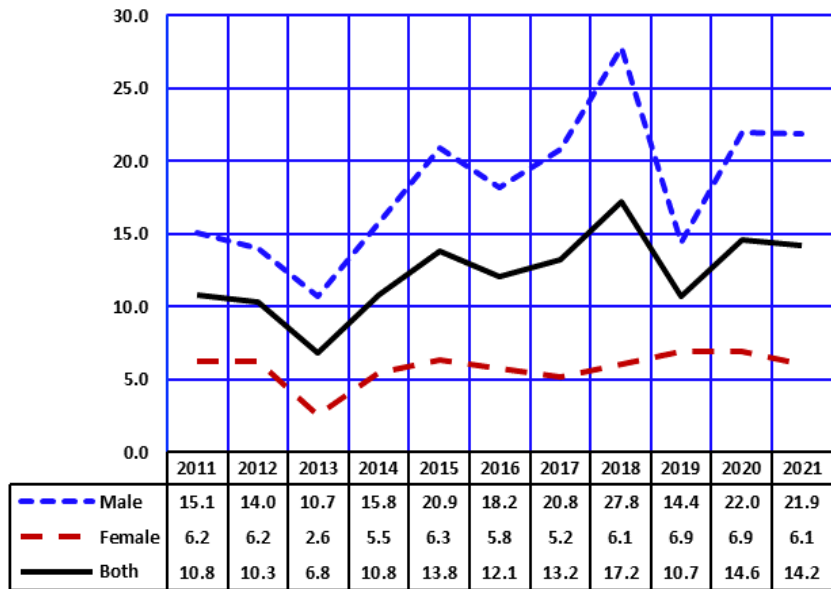
Note: ^a Number of deaths per 100,000 persons, 15 - 19 years old in specified group.

2C.AGE-SPECIFIC MORTALITY
Adolescent mortality (ages 15-19 years)

Figure 2C-11
Suicide Rates^a by Gender and Year among Adolescents 15-19 Years, Arizona, 2011-2021

In 2021, sixty-seven suicide deaths were recorded among Arizonans age 15-19 years, a decrease from 69 recorded in 2020 (**Table 2C-14**). In 2021, as in prior years, male adolescents accounted for the absolute majority (79.1 percent) of completed suicides.

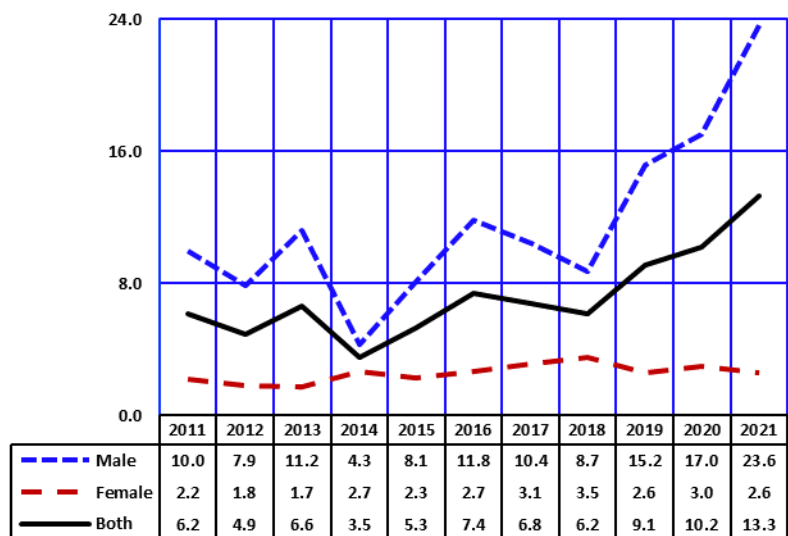
The suicide rate in 2013 was the lowest recorded since at least 1990 (**Figure 2C-11, Table 2C-11**). Between 2011 and 2021, the adolescent male suicide rate (21.9/100,000) increased 45.0 percent, while the adolescent female suicide rate (6.1) decreased by 1.6 percent. The male to female ratio in suicide mortality rates increased from 2.4:1 in 2011 to 3.6:1 in 2021. In other words, male adolescents were almost 3.6 times more likely to kill themselves than female adolescents in 2021, compared to 2.4 times in 2011.



Note: ^a Number of suicide deaths per 100,000 persons, 15 - 19 years old in specified group.

Figure 2C-12
Homicide Rates^a by Gender and Year among Adolescents 15-19 Years, Arizona, 2011-2021

During the 11-year period, from 2011 to 2021, the overall adolescent mortality rate due to homicide increased by 114.5 percent. However, there were some gender differences in homicide rates, marked by an increase of 136.0 percent among adolescent males and 18.2 percent among their female counterparts (**Figure 2C-12, Table 2C-11**). From 2020 to 2021, the overall mortality rate of adolescent homicide deaths increased by 30.4 percent. Looking at gender specific homicide mortality, there was a substantial increase of 38.8 percent for males and 13.3 percent decrease for females in the 2020-2021 years.



Note: ^a Number of homicide deaths per 100,000 persons, 15 - 19 years old in specified group.

**TABLE 2C-11
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG ADOLESCENTS (15-19 YEARS)
BY GENDER, ARIZONA, 2011-2021**

| Gender/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| MALE | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 29.3 | 28.8 | 28.1 | 22.3 | 20.9 | 27.9 | 33.3 | 32.4 | 42.0 | 58.0 | 55.4 | 89.1 |
| Other | 0.8 | 10.4 | 12.8 | 7.3 | 8.1 | 14.8 | 17.9 | 19.1 | 26.0 | 37.7 | 28.9 | 3512.5 |
| Motor vehicle accidents | 18.8 | 18.3 | 15.3 | 15.0 | 12.8 | 13.1 | 15.4 | 13.3 | 16.1 | 20.3 | 26.4 | 40.4 |
| Assault (homicide) | 10.0 | 7.9 | 11.2 | 4.3 | 8.1 | 11.8 | 10.4 | 8.7 | 15.2 | 17.0 | 23.6 | 136.0 |
| Intentional self-harm (suicide) | 15.1 | 14.2 | 10.7 | 15.8 | 20.9 | 18.2 | 20.8 | 27.8 | 14.4 | 22.0 | 21.9 | 45.0 |
| Malignant neoplasms | 2.1 | 2.9 | 2.5 | 2.6 | 3.8 | 2.5 | 2.1 | 2.5 | 4.1 | 3.7 | 3.7 | 76.2 |
| Diseases of heart | 1.3 | 0.0 | 0.4 | 1.3 | 0.4 | 0.0 | 0.8 | 1.7 | 0.4 | 2.1 | 0.8 | -38.5 |
| ALL CAUSES | 67.4 | 62.5 | 66.5 | 63.8 | 67.8 | 72.7 | 79.5 | 85.5 | 88.2 | 120.2 | 120.7 | 79.1 |
| (Number of all deaths) | (161) | (150) | (161) | (149) | (159) | (172) | (191) | (206) | (214) | (290) | (292) | 81.4 |
| FEMALE | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 9.7 | 15.8 | 7.9 | 7.7 | 9.0 | 15.5 | 11.8 | 20.8 | 18.1 | 19.1 | 19.9 | 105.2 |
| Motor vehicle accidents | 5.8 | 13.2 | 6.1 | 5.0 | 6.3 | 11.5 | 8.3 | 13.0 | 10.8 | 9.1 | 9.9 | 70.7 |
| Other | 0.9 | 2.6 | 1.7 | 2.7 | 2.7 | 4.0 | 3.5 | 7.8 | 7.3 | 10.0 | 9.9 | 1000.0 |
| Intentional self-harm (suicide) | 6.2 | 6.2 | 2.6 | 5.5 | 6.3 | 5.8 | 5.2 | 6.1 | 6.9 | 6.9 | 6.1 | -1.6 |
| Assault (homicide) | 2.2 | 1.8 | 1.7 | 2.7 | 2.3 | 2.7 | 3.1 | 3.5 | 2.6 | 3.0 | 2.6 | 18.2 |
| Malignant neoplasms | 4.4 | 1.8 | 3.5 | 4.1 | 2.7 | 2.2 | 1.3 | 0.9 | 3.9 | 0.9 | 2.2 | -50.0 |
| Diseases of heart | 0.9 | 0.0 | 0.9 | 0.9 | 0.9 | 1.8 | 0.9 | 0.9 | 0.4 | 1.7 | 0.9 | 0.0 |
| ALL CAUSES | 31.0 | 30.3 | 23.2 | 28.2 | 26.1 | 33.3 | 26.7 | 38.6 | 37.0 | 42.5 | 44.9 | 44.8 |
| (Number of all deaths) | (70) | (69) | (53) | (62) | (58) | (75) | (61) | (89) | (86) | (98) | (104) | 48.6 |
| TOTAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 19.8 | 22.5 | 18.3 | 15.2 | 15.1 | 21.9 | 22.8 | 26.7 | 30.3 | 39.0 | 38.0 | 91.9 |
| Other | 0.9 | 6.6 | 7.4 | 5.1 | 5.5 | 9.5 | 10.9 | 13.6 | 16.8 | 24.2 | 19.6 | 2077.8 |
| Motor vehicle accidents | 12.5 | 15.8 | 10.8 | 10.1 | 9.6 | 12.3 | 11.9 | 13.2 | 13.5 | 14.8 | 18.4 | 47.2 |
| Intentional self-harm (suicide) | 10.8 | 10.3 | 6.8 | 10.8 | 13.8 | 12.1 | 13.2 | 17.2 | 10.7 | 14.6 | 14.2 | 31.5 |
| Assault (homicide) | 6.2 | 4.9 | 6.6 | 3.5 | 5.3 | 7.4 | 6.8 | 6.2 | 9.1 | 10.2 | 13.3 | 114.5 |
| Malignant neoplasms | 3.2 | 2.4 | 3.0 | 3.3 | 3.3 | 2.4 | 1.7 | 1.7 | 4.0 | 2.3 | 3.0 | -6.3 |
| Diseases of heart | 1.1 | 0.0 | 0.6 | 1.1 | 0.7 | 0.9 | 0.9 | 1.3 | 0.4 | 1.9 | 0.8 | -27.3 |
| ALL CAUSES | 49.7 | 47.1 | 45.5 | 46.5 | 47.5 | 53.5 | 53.7 | 62.6 | 63.2 | 82.3 | 83.7 | 68.4 |
| (Number of all deaths) | (231) | (220) | (214) | (211) | (217) | (247) | (252) | (295) | (300) | (388) | (396) | 71.4 |

Notes: ^a Number of deaths per 100,000 adolescents 15-19 years old; ^b The five causes with the greatest number of deaths over the 2011-2021 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the “comparability ratios” – for the causes of death shown in this report are provided in the **Technical Notes**, although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-12
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG ADOLESCENTS (15-19 YEARS)
IN URBAN AND RURAL AREAS^c, ARIZONA, 2011-2021**

| Area/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| URBAN | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 18.4 | 17.0 | 15.8 | 12.5 | 13.4 | 20.4 | 19.6 | 25.9 | 31.1 | 39.0 | 37.8 | 105.4 |
| Other | 1.0 | 5.1 | 6.5 | 3.7 | 4.9 | 8.2 | 10.3 | 13.7 | 18.2 | 25.4 | 20.4 | 1940.0 |
| Motor vehicle accidents | 10.8 | 11.9 | 9.3 | 8.9 | 8.5 | 12.2 | 9.3 | 12.2 | 12.8 | 13.6 | 17.4 | 61.1 |
| Assault (homicide) | 6.4 | 4.8 | 6.8 | 3.7 | 5.9 | 7.9 | 7.8 | 6.5 | 10.1 | 10.9 | 14.7 | 129.7 |
| Intentional self-harm (suicide) | 8.5 | 8.1 | 5.0 | 9.6 | 12.7 | 11.2 | 11.5 | 12.4 | 9.9 | 12.3 | 12.3 | 44.7 |
| Malignant neoplasms | 2.8 | 2.8 | 3.5 | 3.7 | 2.8 | 2.8 | 1.8 | 1.7 | 4.4 | 2.7 | 2.7 | -3.6 |
| Diseases of heart | 1.3 | 0.0 | 0.5 | 1.3 | 0.5 | 0.8 | 1.0 | 1.0 | 0.5 | 2.2 | 0.7 | -46.2 |
| ALL CAUSES | 45.3 | 38.8 | 42.4 | 42.5 | 44.2 | 50.7 | 49.9 | 57.2 | 65.6 | 80.0 | 82.7 | 82.6 |
| (Number of all deaths) | (177) | (153) | (169) | (163) | (171) | (199) | (199) | (230) | (266) | (324) | (337) | 90.4 |
| RURAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 26.9 | 52.1 | 31.8 | 29.9 | 24.5 | 30.3 | 39.9 | 30.2 | 24.5 | 37.7 | 34.9 | 29.7 |
| Motor vehicle accidents | 21.5 | 37.0 | 19.3 | 17.1 | 15.8 | 13.0 | 25.6 | 18.7 | 17.3 | 22.6 | 21.3 | -0.9 |
| Other | 0.0 | 15.1 | 12.4 | 12.8 | 8.6 | 17.3 | 14.2 | 11.5 | 7.2 | 15.1 | 13.7 | NA |
| Intentional self-harm (suicide) | 22.9 | 21.9 | 16.6 | 17.1 | 20.2 | 17.3 | 22.8 | 44.5 | 15.9 | 28.6 | 25.8 | 12.7 |
| Assault (homicide) | 5.4 | 5.5 | 5.5 | 2.9 | 1.4 | 2.9 | 1.4 | 4.3 | 2.9 | 6.0 | 4.6 | -14.8 |
| Malignant neoplasms | 5.4 | 0.0 | 0.0 | 1.4 | 5.8 | 0.0 | 1.4 | 1.4 | 1.4 | 0.0 | 4.6 | -14.8 |
| Diseases of heart | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALL CAUSES | 72.7 | 90.5 | 62.1 | 68.4 | 66.2 | 66.4 | 74.1 | 91.9 | 47.6 | 93.5 | 82.0 | 12.8 |
| (Number of all deaths) | (54) | (66) | (45) | (48) | (46) | (46) | (52) | (64) | (33) | (62) | (54) | 0.0 |
| TOTAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 19.8 | 22.5 | 18.3 | 15.2 | 15.1 | 21.9 | 22.8 | 26.7 | 30.3 | 39.0 | 38.0 | 91.9 |
| Other | 0.9 | 6.6 | 7.4 | 5.1 | 5.5 | 9.5 | 10.9 | 13.6 | 16.8 | 24.2 | 19.6 | 2077.8 |
| Motor vehicle accidents | 12.5 | 15.8 | 10.8 | 10.1 | 9.6 | 12.3 | 11.9 | 13.2 | 13.5 | 14.8 | 18.4 | 47.2 |
| Intentional self-harm (suicide) | 10.8 | 10.3 | 6.8 | 10.8 | 13.8 | 12.1 | 13.2 | 17.2 | 10.7 | 14.6 | 14.2 | 31.5 |
| Assault (homicide) | 6.2 | 4.9 | 6.6 | 3.5 | 5.3 | 7.4 | 6.8 | 6.2 | 9.1 | 10.2 | 13.3 | 114.5 |
| Malignant neoplasms | 3.2 | 2.4 | 3.0 | 3.3 | 3.3 | 2.4 | 1.7 | 1.7 | 4.0 | 2.3 | 3.0 | -6.3 |
| Diseases of heart | 1.1 | 0.0 | 0.6 | 1.1 | 0.7 | 0.9 | 0.9 | 1.3 | 0.4 | 1.9 | 0.8 | -27.3 |
| ALL CAUSES | 49.7 | 47.1 | 45.5 | 46.5 | 47.5 | 53.5 | 53.7 | 62.6 | 63.2 | 82.3 | 83.7 | 68.4 |
| (Number of all deaths) | (231) | (220) | (214) | (211) | (217) | (247) | (252) | (295) | (300) | (388) | (396) | 71.4 |

Notes: ^a Number of deaths per 100,000 adolescents 15-19 years old; ^b The five causes with the greatest number of deaths over the 2011-2021 period; ^c Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10; measures of comparison between ICD-9 and ICD-10 - the "comparability ratios" - for the causes of death shown in this report are provided in the **Technical Notes**; although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-13
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS)
BY GENDER IN URBAN AND RURAL AREAS^b, ARIZONA, 2011-2021**

| Area/Gender | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|--------------|------|-------|------|------|-------|------|-------|-------|------|-------|-------|--------------------|
| URBAN | | | | | | | | | | | | |
| Male | 62.2 | 50.8 | 62.0 | 59.8 | 60.8 | 69.6 | 73.9 | 78.3 | 93.0 | 118.1 | 120.9 | 94.4 |
| Female | 27.4 | 26.1 | 21.7 | 24.2 | 26.6 | 30.9 | 24.7 | 35.2 | 36.9 | 40.0 | 42.7 | 55.8 |
| TOTAL | 45.3 | 38.8 | 42.4 | 42.5 | 44.2 | 50.7 | 49.9 | 57.2 | 65.6 | 80.0 | 82.7 | 82.6 |
| RURAL | | | | | | | | | | | | |
| Male | 94.6 | 123.3 | 91.4 | 85.8 | 106.8 | 84.9 | 111.6 | 124.4 | 56.9 | 130.8 | 110.2 | 16.5 |
| Female | 49.6 | 53.3 | 31.2 | 50.0 | 23.6 | 47.1 | 34.9 | 58.4 | 38.0 | 55.0 | 52.7 | 6.3 |
| TOTAL | 72.7 | 90.5 | 62.1 | 68.4 | 66.2 | 66.4 | 74.1 | 91.9 | 47.6 | 93.5 | 82.0 | 12.8 |
| TOTAL | | | | | | | | | | | | |
| Male | 67.4 | 62.5 | 66.5 | 63.8 | 67.8 | 72.7 | 79.5 | 85.5 | 88.2 | 120.2 | 120.7 | 79.1 |
| Female | 31.0 | 30.3 | 23.2 | 28.2 | 26.1 | 33.3 | 26.7 | 38.6 | 37.0 | 42.5 | 44.9 | 44.8 |
| TOTAL | 49.7 | 47.1 | 45.5 | 46.5 | 47.5 | 53.5 | 53.7 | 62.6 | 63.2 | 82.3 | 83.7 | 68.4 |

Notes: ^a Rates are presented per 100,000 children 15-19 years old; ^b Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

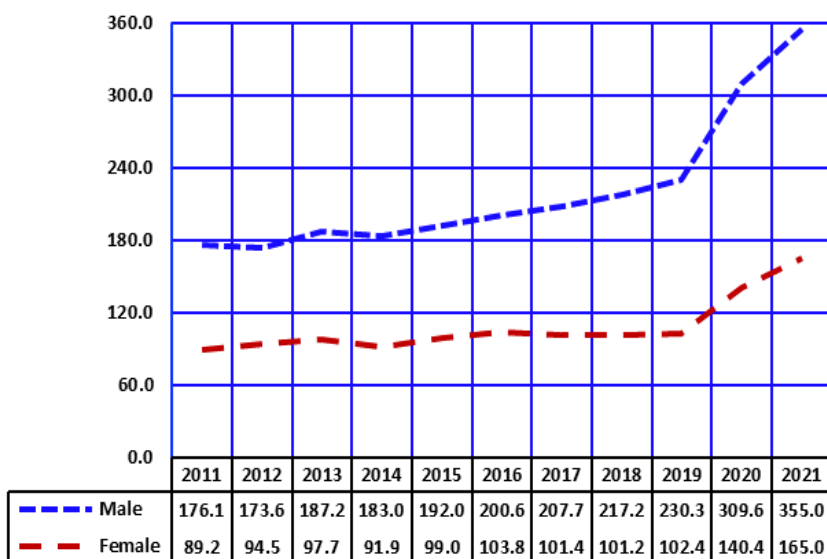
**TABLE 2C-14
LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY,
ARIZONA, 2021**

| Cause of death | Total | | Gender | | Area ^a | | | Race/ethnicity | | | | |
|--------------------------------------|------------|------------|------------|-----------|-------------------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|----------|--|
| | Male | Female | Urban | Rural | Unknown | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Unknown | |
| Accidents (unintentional injury) | 134 | 46 | 154 | 23 | * | 78 | 65 | 20 | 16 | * | 0 | |
| Motor vehicle accidents | 64 | 23 | 71 | 14 | * | 31 | 34 | 11 | 11 | 0 | 0 | |
| Accidental poisoning | 59 | 21 | 73 | 7 | 0 | 40 | 29 | 6 | * | * | 0 | |
| Accidental drowning and submersion | 8 | 0 | 6 | * | * | * | * | * | * | 0 | 0 | |
| Intentional self-harm (suicide) | 53 | 14 | 50 | 17 | 0 | 32 | 16 | 9 | 10 | 0 | 0 | |
| By other means | 28 | 12 | 28 | 12 | 0 | 13 | 12 | * | 10 | 0 | 0 | |
| By discharge of firearms | 25 | * | 22 | * | 0 | 19 | * | * | 0 | 0 | 0 | |
| Assault (homicide) | 57 | 6 | 60 | * | 0 | 11 | 36 | 10 | * | * | 0 | |
| By discharge of firearms | 55 | 6 | 59 | * | 0 | 10 | 35 | 10 | * | * | 0 | |
| By other means | * | 0 | * | * | 0 | * | * | 0 | 0 | 0 | 0 | |
| COVID-19 | 10 | * | 14 | * | 0 | * | 8 | * | * | * | 0 | |
| Malignant neoplasms | 9 | * | 11 | * | 0 | 7 | * | 0 | * | 0 | 0 | |
| Diseases of the heart | * | * | * | 0 | * | * | * | 0 | 0 | 0 | * | |
| Events of undetermined intent | * | * | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 | |
| Total, all causes^b | 292 | 104 | 337 | 54 | 5 | 152 | 147 | 47 | 41 | 4 | 5 | |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a May include death records where the county of residence could not be classified as urban or rural; Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; ^b May include other causes of death not shown above.

2C.AGE-SPECIFIC MORTALITY
Young adult mortality (ages 20-44 years)

Figure 2C-13
Mortality Rates^a by Gender and Year among Young Adults 20-44 Years, Arizona, 2011-2021

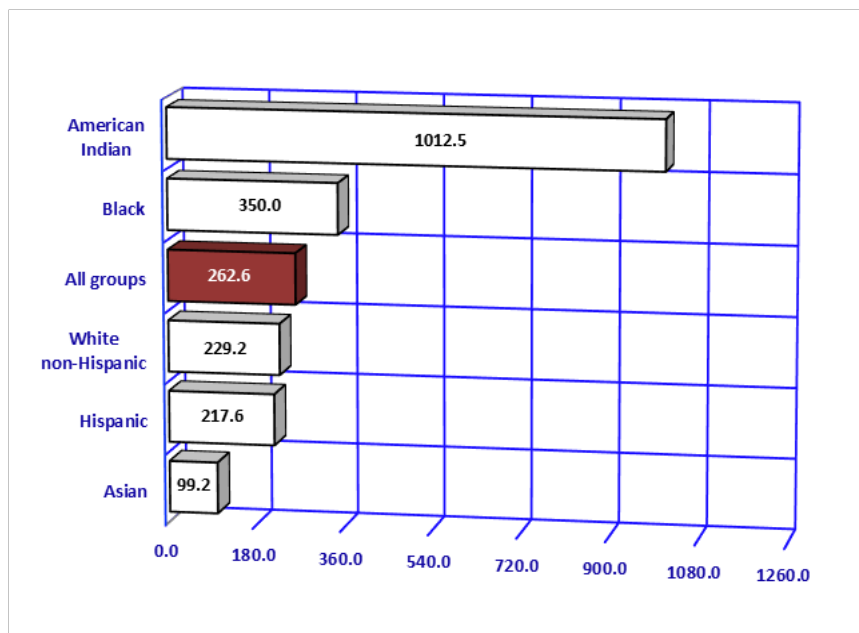


In 2021, 33.0 percent of Arizona residents were between 20 and 44 years of age. Among the six developmental periods examined in the life span, young adulthood, with an estimated 2.4 million individuals, easily represented the largest segment of the population. However, only 7.8 percent of all deaths occurred during young adulthood.

In each year from 2011 to 2021 period, males aged 20-44 years died at a higher rate than females. During the same period, the mortality rate for this age group increased by 101.6 percent for males and 85.0 percent for females. Compared to 2020, the young adult mortality rate increased both for males (14.7 percent) and females (17.5 percent); **Figure 2C-13, Table 2C-15).**

Note: ^a Number of deaths per 100,000 persons, 20-44 years old in specified group.

Figure 2C-14
Mortality Rates^a by Race/Ethnicity among Young Adults 20-44 Years, Arizona, 2021



The 2021 mortality among young adults shows racial/ethnic disparities. American Indians aged 20-44 years had the highest mortality rates while Asians of the same age group recorded the lowest mortality rate across all groups.

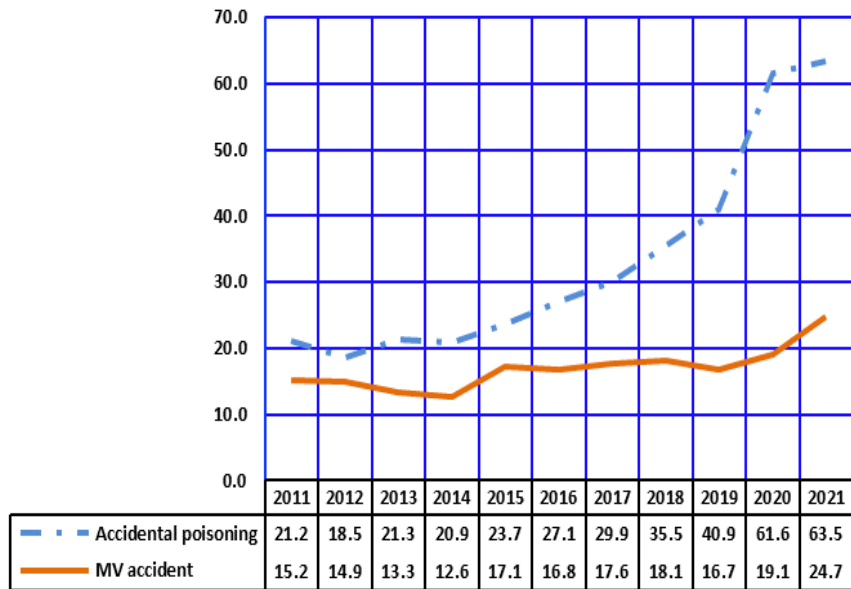
American Indian young adults had a mortality rate 2.9 times greater than Black or African American adults, the racial/ethnic group with the second highest young adult mortality rate. The American Indian young adult mortality rate was 3.9 times higher than the state average for young adults and 10.2 times greater than Asian young adults.

Note: ^a Number of deaths per 100,000 persons, 20-44 years old in specified group.

2C.AGE-SPECIFIC MORTALITY
Young adult mortality (ages 20-44 years)

Figure 2C-15
Mortality Rates^a for Motor Vehicle-Related Injuries and Accidental Poisoning
by Year among Young Adults 20-44 Years, Arizona, 2011-2021

In 2021, 1,528 deaths of young adults were attributed to accidental poisoning (**Table 2C-18**), an increase of 4.9 percent from 2020. The mortality rate for accidental poisoning among young adults (63.5/100,000) exceeded the mortality rate for motor vehicle-related injuries. In the past decade, excess of mortality due to accidental poisoning has been consistently recorded in each year since 2011 (**Figure 2C-15**).

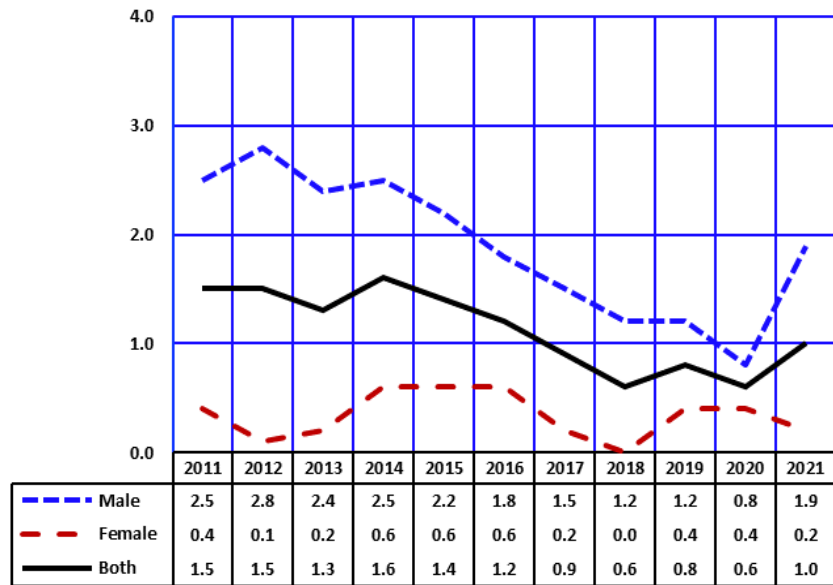


Note: ^a Number of motor vehicle and accidental poisoning deaths per 100,000 persons, 20-44 years old in specified group.

Figure 2C-16
Mortality Rates^a for HIV Disease by Gender and Year among
Young Adults 20-44 Years, Arizona, 2011-2021

In 2021, of the 94 deaths from *HIV disease* about 26.6 percent occurred among Arizonans 20-44 years old (**Table 2C-27**), an increase from 20.5 percent of 73 deaths in 2020. Males accounted for the majority of the young adult deaths from *HIV disease* in 2021 (**Table 2C-18**).

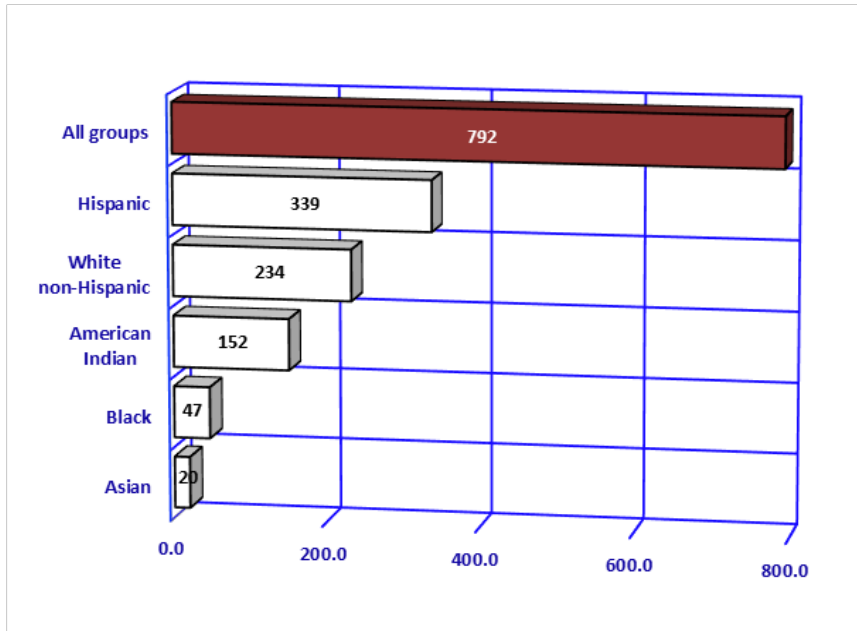
An analysis of HIV mortality rates by gender for the 2011-2021 period revealed a decrease of 24.0 percent in mortality among young males and 50.0 percent in mortality rate among their female counterparts.



Note: ^a Number of HIV deaths per 100,000 persons, 20-44 years old in specified group.

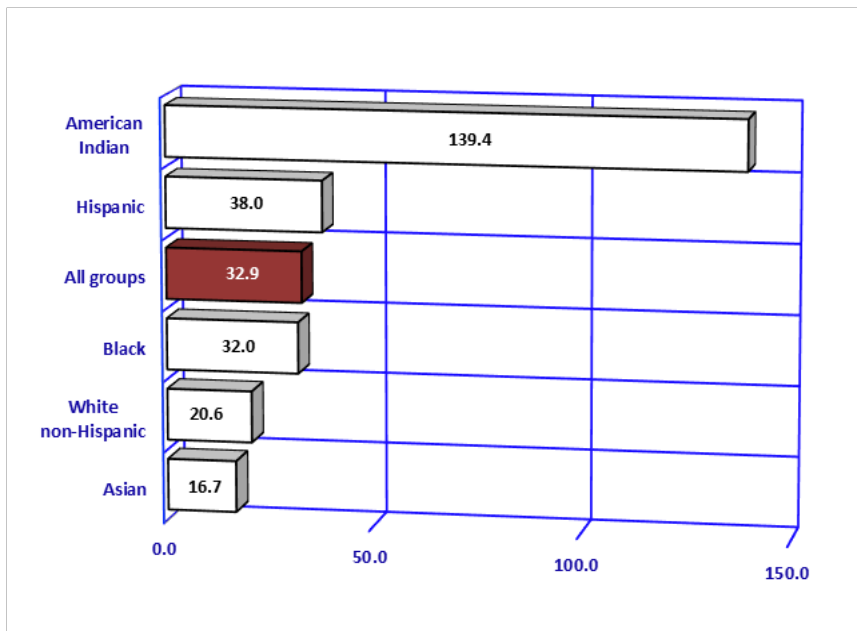
2C.AGE-SPECIFIC MORTALITY
Young adult mortality (ages 20-44 years)

Figure 2C-17
Mortality for COVID-19 by Race/Ethnicity among Young Adults 20-44 Years, Arizona, 2021



In 2021, 792 Arizona resident young adults age 20-44 died from COVID-19. Among the deaths, people who identified as Hispanic or Latino represented the largest amount of deaths compared to other race and ethnicities with 42.8% (n=339) of deaths in this age group. The least impacted race were Asians with 2.5% (n= 20) of deaths in this age group (**Figure 2C-17, Table 2C-18**).

Figure 2C-18
Mortality Rates^a for COVID-19 by Race/Ethnicity among Young Adults 20-44 Years, Arizona, 2021



The age-specific mortality rate of Arizona resident young adults aged 20-44 years found the highest risk among American Indians with a rate of 139.4 deaths per 100,000 people aged 20-44. This was approximately four times the rate among all race/ethnicity groups (32.9 deaths per 100,000 people aged 20-44). People who identified as Hispanic or Latino represented the second highest group with 38.0 deaths per 100,000 people aged 20-44 and was above the average of all groups (**Figure 2C-18**).

Note: ^a Number of deaths due to COVID-19 per 100,000 persons, 20-44 years old in specified group.

**TABLE 2C-15
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG YOUNG ADULTS (20-44 YEARS)
BY GENDER, ARIZONA, 2011-2021**

| Gender/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------|
| MALE | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 57.9 | 52.8 | 56.7 | 54.3 | 63.3 | 71.2 | 76.7 | 86.0 | 94.3 | 128.5 | 138.4 | 139.0 |
| Other | 8.7 | 31.2 | 38.0 | 35.9 | 38.6 | 46.9 | 52.6 | 59.9 | 70.2 | 100.9 | 105.0 | 1106.9 |
| Motor vehicle accidents | 20.6 | 21.6 | 18.7 | 18.4 | 24.7 | 24.3 | 24.1 | 26.1 | 24.1 | 27.6 | 33.4 | 62.1 |
| Intentional self-harm (suicide) | 32.4 | 29.0 | 30.8 | 28.7 | 30.8 | 30.9 | 33.5 | 36.9 | 37.2 | 35.1 | 41.5 | 28.1 |
| Assault (homicide) | 18.2 | 16.1 | 16.1 | 13.3 | 16.6 | 17.8 | 19.4 | 17.9 | 15.0 | 20.3 | 23.2 | 27.5 |
| Diseases of heart | 14.7 | 13.5 | 14.2 | 14.0 | 13.6 | 12.0 | 14.7 | 13.3 | 14.8 | 18.9 | 17.4 | 18.4 |
| Malignant neoplasms | 11.0 | 12.3 | 13.4 | 11.2 | 13.0 | 11.3 | 12.0 | 10.9 | 12.0 | 12.6 | 14.1 | 28.2 |
| ALL CAUSES | 176.1 | 173.6 | 187.2 | 183.0 | 192.0 | 200.6 | 207.7 | 217.2 | 230.3 | 309.6 | 355.0 | 101.6 |
| (Number of all deaths) | (1,923) | (1,910) | (2,082) | (2,071) | (2,191) | (2,304) | (2,421) | (2,588) | (2,799) | (3,763) | (4,386) | 128.1 |
| FEMALE | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 25.2 | 22.8 | 24.5 | 21.3 | 28.2 | 26.6 | 29.3 | 30.5 | 32.0 | 44.6 | 49.4 | 96.0 |
| Other | 2.1 | 15.1 | 16.9 | 14.7 | 19.1 | 17.5 | 18.6 | 20.8 | 23.1 | 34.5 | 33.9 | 1514.3 |
| Motor vehicle accidents | 9.7 | 7.7 | 7.6 | 6.6 | 9.1 | 9.0 | 10.7 | 9.7 | 8.9 | 10.1 | 15.6 | 60.8 |
| Malignant neoplasms | 15.7 | 17.6 | 17.4 | 14.0 | 13.5 | 16.7 | 14.5 | 16.2 | 14.1 | 14.5 | 16.2 | 3.2 |
| Intentional self-harm (suicide) | 8.9 | 8.7 | 9.6 | 9.0 | 10.5 | 9.9 | 11.2 | 9.6 | 8.1 | 10.9 | 10.3 | 15.7 |
| Diseases of heart | 6.4 | 7.0 | 5.6 | 6.6 | 7.2 | 5.1 | 7.0 | 6.3 | 6.1 | 7.6 | 7.4 | 15.6 |
| Assault (homicide) | 2.4 | 4.3 | 3.4 | 2.9 | 3.2 | 3.7 | 3.8 | 3.7 | 4.0 | 4.7 | 5.1 | 112.5 |
| ALL CAUSES | 89.2 | 94.5 | 97.7 | 91.9 | 99.0 | 103.8 | 101.4 | 101.2 | 102.4 | 140.4 | 165.0 | 85.0 |
| (Number of all deaths) | (933) | (990) | (1,033) | (991) | (1,080) | (1,137) | (1,123) | (1,139) | (1,174) | (1,614) | (1,930) | 106.9 |
| TOTAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 41.9 | 38.2 | 41.0 | 38.2 | 46.1 | 49.4 | 53.6 | 59.0 | 64.0 | 87.7 | 95.1 | 127.0 |
| Other | 5.5 | 23.3 | 27.7 | 25.6 | 29.0 | 32.6 | 36.0 | 40.9 | 47.3 | 68.7 | 70.4 | 1180.0 |
| Motor vehicle accidents | 15.2 | 14.9 | 13.3 | 12.6 | 17.1 | 16.8 | 17.6 | 18.1 | 16.7 | 19.1 | 24.7 | 62.5 |
| Intentional self-harm (suicide) | 20.9 | 19.1 | 20.5 | 19.1 | 20.9 | 20.6 | 22.6 | 23.6 | 23.1 | 23.3 | 26.4 | 26.3 |
| Malignant neoplasms | 13.3 | 14.9 | 15.3 | 12.6 | 13.2 | 13.9 | 13.2 | 13.5 | 13.0 | 13.5 | 15.1 | 13.5 |
| Assault (homicide) | 10.5 | 10.3 | 9.9 | 8.2 | 10.0 | 11.0 | 11.8 | 11.0 | 9.7 | 12.7 | 14.4 | 37.1 |
| Diseases of heart | 10.6 | 10.3 | 10.0 | 10.4 | 10.5 | 8.6 | 10.9 | 9.9 | 10.6 | 13.4 | 12.6 | 18.9 |
| ALL CAUSES | 133.6 | 135.0 | 143.5 | 138.6 | 146.6 | 153.3 | 155.9 | 160.9 | 168.2 | 227.3 | 262.6 | 96.6 |
| (Number of all deaths) | (2,856) | (2,900) | (3,115) | (3,062) | (3,271) | (3,441) | (3,544) | (3,727) | (3,973) | (5,377) | (6,316) | 121.1 |

Notes: ^a Rates are presented per 100,000 persons 20-44 years old; ^b The five causes with the greatest number of deaths over the 2011-2021 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the “comparability ratios” – for the causes of death shown in this report are provided in the **Technical Notes**, although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-16
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG YOUNG ADULTS (20-44 YEARS)
IN URBAN AND RURAL AREAS^c, ARIZONA, 2011-2021**

| Area/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------|
| URBAN | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 36.6 | 32.2 | 35.4 | 33.8 | 40.1 | 43.9 | 49.0 | 55.2 | 60.6 | 82.6 | 89.0 | 143.2 |
| Other | 4.3 | 20.2 | 23.9 | 22.7 | 25.4 | 28.9 | 34.3 | 39.5 | 46.1 | 65.9 | 67.7 | 1474.4 |
| Motor vehicle accidents | 12.4 | 12.1 | 11.5 | 11.1 | 14.7 | 15.1 | 14.8 | 15.7 | 14.5 | 16.7 | 21.3 | 71.8 |
| Intentional self-harm (suicide) | 18.1 | 17.0 | 18.3 | 16.8 | 19.0 | 18.4 | 19.7 | 20.6 | 21.3 | 20.5 | 22.2 | 22.7 |
| Malignant neoplasms | 13.5 | 14.1 | 15.3 | 12.7 | 13.1 | 13.5 | 13.0 | 13.5 | 12.6 | 13.7 | 14.6 | 8.1 |
| Assault (homicide) | 10.0 | 9.5 | 9.4 | 8.1 | 9.6 | 10.7 | 11.3 | 11.1 | 9.8 | 12.1 | 14.3 | 43.0 |
| Diseases of heart | 9.6 | 9.5 | 9.3 | 9.7 | 10.1 | 8.3 | 10.3 | 9.2 | 10.1 | 13.3 | 12.1 | 26.0 |
| ALL CAUSES | 120.3 | 118.8 | 130.1 | 126.2 | 131.9 | 137.1 | 140.7 | 148.0 | 156.5 | 206.2 | 237.6 | 97.5 |
| (Number of all deaths) | (2,232) | (2,215) | (2,451) | (2,422) | (2,557) | (2,676) | (2,783) | (2,986) | (3,224) | (4,270) | (5,007) | 124.3 |
| RURAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 71.9 | 74.4 | 74.9 | 61.2 | 78.6 | 77.9 | 75.3 | 81.3 | 80.9 | 116.3 | 129.0 | 79.4 |
| Other | 10.3 | 42.7 | 50.8 | 39.6 | 47.9 | 51.3 | 39.4 | 48.5 | 52.8 | 81.6 | 83.0 | 705.8 |
| Motor vehicle accidents | 33.0 | 31.7 | 24.2 | 21.7 | 30.8 | 26.7 | 36.0 | 32.8 | 28.1 | 34.7 | 46.0 | 39.4 |
| Intentional self-harm (suicide) | 37.6 | 32.4 | 33.6 | 32.3 | 32.1 | 33.5 | 40.1 | 43.5 | 35.0 | 42.5 | 54.1 | 43.9 |
| Malignant neoplasms | 12.0 | 19.0 | 15.4 | 11.4 | 13.3 | 16.7 | 13.6 | 12.4 | 16.2 | 12.6 | 18.1 | 50.8 |
| Diseases of heart | 16.7 | 14.5 | 14.0 | 14.4 | 13.0 | 10.3 | 14.3 | 14.0 | 12.5 | 13.6 | 15.5 | -7.2 |
| Assault (homicide) | 12.8 | 14.8 | 13.0 | 7.2 | 10.6 | 10.6 | 10.9 | 10.4 | 7.9 | 16.7 | 14.4 | 12.5 |
| ALL CAUSES | 210.2 | 233.4 | 226.5 | 207.1 | 224.7 | 240.9 | 236.6 | 238.1 | 237.7 | 361.3 | 422.1 | 100.8 |
| (Number of all deaths) | (593) | (662) | (647) | (602) | (657) | (705) | (697) | (712) | (720) | (1,063) | (1,256) | 111.8 |
| TOTAL | | | | | | | | | | | | |
| Accidents (unintentional injuries) | 41.9 | 38.2 | 41.0 | 38.2 | 46.1 | 49.4 | 53.6 | 59.0 | 64.0 | 87.7 | 95.1 | 127.0 |
| Other | 5.5 | 23.3 | 27.7 | 25.6 | 29.0 | 32.6 | 36.0 | 40.9 | 47.3 | 68.7 | 70.4 | 1180.0 |
| Motor vehicle accidents | 15.2 | 14.9 | 13.3 | 12.6 | 17.1 | 16.8 | 17.6 | 18.1 | 16.7 | 19.1 | 24.7 | 62.5 |
| Intentional self-harm (suicide) | 20.9 | 19.1 | 20.5 | 19.1 | 20.9 | 20.6 | 22.6 | 23.6 | 23.1 | 23.3 | 26.4 | 26.3 |
| Malignant neoplasms | 13.3 | 14.9 | 15.3 | 12.6 | 13.2 | 13.9 | 13.2 | 13.5 | 13.0 | 13.5 | 15.1 | 13.5 |
| Assault (homicide) | 10.5 | 10.3 | 9.9 | 8.2 | 10.0 | 11.0 | 11.8 | 11.0 | 9.7 | 12.7 | 14.4 | 37.1 |
| Diseases of heart | 10.6 | 10.3 | 10.0 | 10.4 | 10.5 | 8.6 | 10.9 | 9.9 | 10.6 | 13.4 | 12.6 | 18.9 |
| ALL CAUSES | 133.6 | 135.0 | 143.5 | 138.6 | 146.6 | 153.3 | 155.9 | 160.9 | 168.2 | 227.3 | 262.6 | 96.6 |
| (Number of all deaths) | (2,856) | (2,900) | (3,115) | (3,062) | (3,271) | (3,441) | (3,544) | (3,727) | (3,973) | (5,377) | (6,316) | 121.1 |

Notes: ^a Rates are presented per 100,000 young adults 20-44 years old; ^b The five causes with the greatest number of deaths statewide over the 2011-2021 period; ^c Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the “comparability ratios” – for the causes of death shown in this report are provided in the **Technical Notes**; although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

TABLE 2C-17
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS)
BY GENDER IN URBAN AND RURAL AREAS^b, ARIZONA, 2011-2021

| Area/Gender | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| URBAN | | | | | | | | | | | | |
| Male | 158.7 | 154.0 | 169.0 | 165.6 | 171.9 | 178.4 | 187.7 | 198.0 | 216.0 | 282.9 | 322.9 | 103.5 |
| Female | 80.3 | 81.9 | 89.2 | 85.1 | 90.1 | 94.0 | 91.4 | 95.2 | 93.8 | 125.4 | 147.9 | 84.2 |
| TOTAL | 120.3 | 118.8 | 130.1 | 126.2 | 131.9 | 137.1 | 140.7 | 148.0 | 156.5 | 206.2 | 237.6 | 97.5 |
| RURAL | | | | | | | | | | | | |
| Male | 271.6 | 288.4 | 296.4 | 278.8 | 294.2 | 315.6 | 307.7 | 332.7 | 309.8 | 475.6 | 553.3 | 103.7 |
| Female | 144.8 | 174.6 | 151.6 | 130.0 | 149.8 | 160.1 | 159.3 | 135.0 | 158.9 | 236.7 | 278.9 | 92.6 |
| TOTAL | 210.2 | 233.4 | 226.5 | 207.1 | 224.7 | 240.9 | 236.6 | 238.1 | 237.7 | 361.3 | 422.1 | 100.8 |
| TOTAL | | | | | | | | | | | | |
| Male | 176.1 | 173.6 | 187.2 | 183.0 | 192.0 | 200.6 | 207.7 | 217.2 | 230.3 | 309.6 | 355.0 | 101.6 |
| Female | 89.2 | 94.5 | 97.7 | 91.9 | 99.0 | 103.8 | 101.4 | 101.2 | 102.4 | 140.4 | 165.0 | 85.0 |
| TOTAL | 133.6 | 135.0 | 143.5 | 138.6 | 146.6 | 153.3 | 155.9 | 160.9 | 168.2 | 227.3 | 262.6 | 96.6 |

Notes: ^a Rates are presented per 100,000 persons 20-44 years old; ^b Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

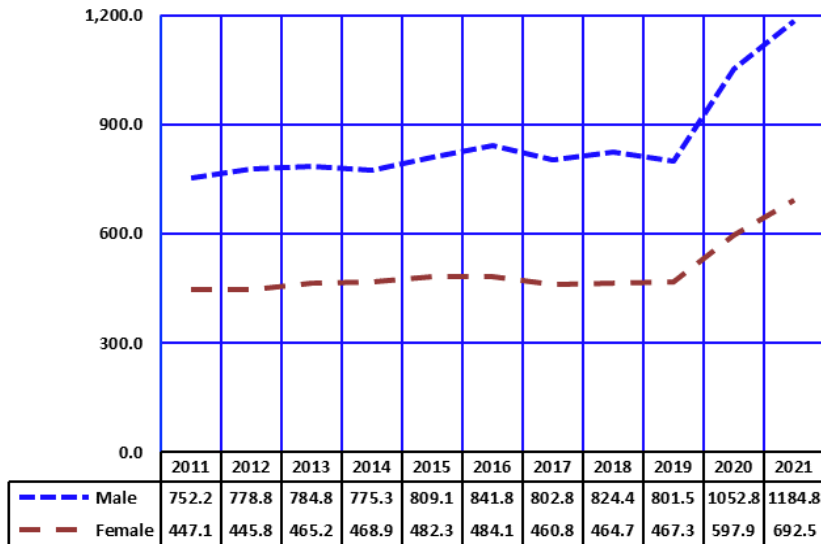
**TABLE 2C-18
LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY,
ARIZONA, 2021**

| Cause of death | Total | | Gender | | Area ^a | | | Race/ethnicity | | | | |
|---------------------------------------------------------------------------------|------------------|--------------|--------------|--------------|-------------------|-----------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|-----------------|
| | Total | Female | Male | Urban | Rural | Unknown | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Refused/Unknown |
| | | | | | | | | | | | | |
| Accidents (unintentional injury) | 2,288 | 578 | 1,710 | 1,876 | 384 | 28 | 1,040 | 727 | 176 | 305 | 29 | 11 |
| Accidental poisoning | 1,528 | 365 | 1,163 | 1,302 | 211 | 15 | 725 | 498 | 117 | 163 | 17 | 8 |
| Motor vehicle accidents | 595 | 182 | 413 | 449 | 137 | 9 | 243 | 189 | 45 | 108 | 8 | * |
| COVID-19 | 792 | 298 | 494 | 653 | 139 | 0 | 234 | 339 | 47 | 152 | 20 | 0 |
| Intentional self-harm (suicide) | 634 | 121 | 513 | 468 | 161 | * | 347 | 139 | 34 | 100 | 13 | * |
| By discharge of firearms | 338 | 51 | 287 | 271 | 65 | * | 201 | 83 | 20 | 28 | 6 | 0 |
| By other means | 296 | 70 | 226 | 197 | 96 | * | 146 | 56 | 14 | 72 | 7 | * |
| Malignant neoplasms | 364 | 190 | 174 | 308 | 54 | * | 166 | 123 | 26 | 32 | 16 | * |
| Malignant neoplasm of breast | 60 [†] | 56 | 0 | 46 | 10 | 0 | 22 | 19 | 7 | * | * | 0 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 50 [†] | 17 | 35 | 46 | 6 | 0 | 22 | 20 | * | * | * | * |
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 20 [†] | 10 | 14 | 21 | * | 0 | 15 | 6 | * | * | * | 0 |
| Assault (homicide) | 346 | 60 | 286 | 301 | 43 | * | 72 | 140 | 76 | 51 | 6 | * |
| By discharge of firearms | 280 [†] | 43 | 236 | 253 | 25 | * | 59 | 116 | 67 | 33 | * | 0 |
| By other means | 70 [†] | 17 | 50 | 48 | 18 | * | 13 | 24 | 9 | 18 | * | * |
| Chronic liver disease and cirrhosis | 350 [†] | 140 | 206 | 211 | 134 | * | 109 | 51 | * | 177 | * | * |
| Diseases of heart | 302 | 87 | 215 | 254 | 46 | * | 136 | 87 | 39 | 30 | 8 | * |
| Diabetes | 100 [†] | 41 | 59 | 77 | 23 | 0 | 35 | 27 | 10 | 23 | * | * |
| Obesity | 60 | 20 | 40 | 45 | 15 | 0 | 29 | 18 | 6 | 7 | 0 | 0 |
| Cerebrovascular diseases | 60 [†] | 20 | 36 | 47 | 9 | 0 | 21 | 20 | * | 9 | * | 0 |
| Influenza and pneumonia | 40 [†] | 17 | 24 | 30 | 11 | 0 | 17 | 13 | * | 8 | * | 0 |
| Human immunodeficiency virus (HIV) disease | 30 [†] | * | 23 | 22 | * | * | 7 | 11 | * | * | 0 | 0 |
| Total, all causes | 6,316 | 1,930 | 4,386 | 5,007 | 1,256 | 53 | 2,605 | 1,943 | 514 | 1,104 | 119 | 31 |

Notes: * Cell suppressed due to count less than 6; [†] Sum rounded to nearest tens unit due to addend less than 6; ^a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas.

2C.AGE-SPECIFIC MORTALITY
Middle-aged adult mortality (ages 45-64 years)

Figure 2C-19
Mortality Rates^a by Gender and Year among Middle-Aged Adults 45-64 Years, Arizona, 2011-2021



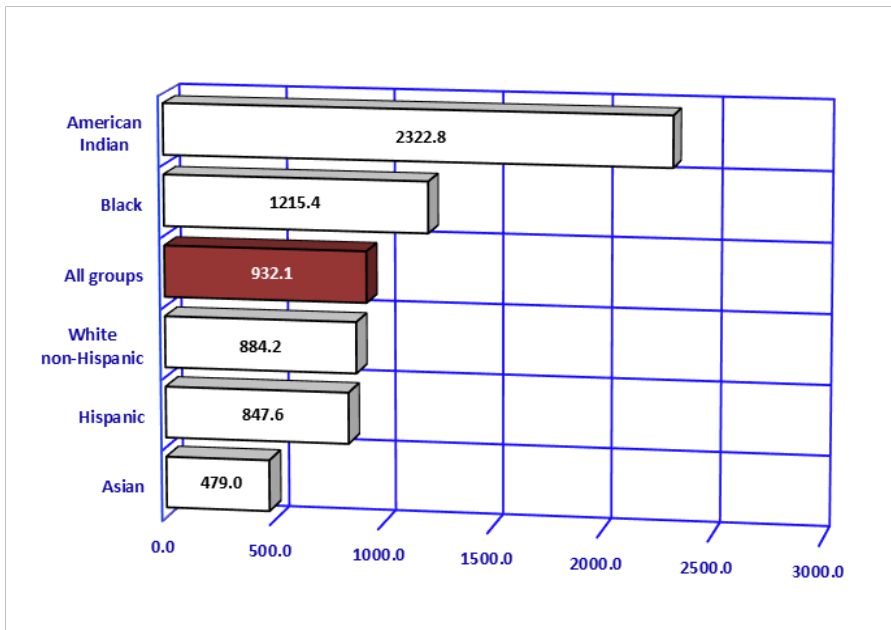
Note: ^a Number of deaths per 100,000 persons, 45-64 years old in specified group.

In 2021, the 1,723,031 middle-aged adult residents aged 45 to 64 experienced 16,060 deaths, or an average of 44 deaths per day. The total number of deaths among 45-64 years old Arizona residents in 2021 (16,060) is higher than the 2020 count (14,003), 2019 (10,834), and 2018 count (10,920). Overall, 2021 had the highest number of deaths for the age group of middle-aged adult residents 45-64 years recorded over the time period of 2011-2021 (**Table 2C-19**).

The 2021 total mortality rate among middle-age females was 54.9 percent higher, and among middle-aged males, 57.5 percent higher than their respective rates in 2011 (**Figure 2C-19, Table 2C-19**). In 2021, the mortality rate for males age 45 - 64 was 71.1 percent higher than the female mortality of the same age group.

The five causes with the greatest number of deaths in 2011-2021 were *malignant neoplasms, diseases of heart, accidents, chronic liver disease and cirrhosis, and chronic lower respiratory diseases* (**Table 2C-19**).

Figure 2C-20
Mortality Rates^a by Race/Ethnicity among Middle-Aged Adults 45-64 Years, Arizona, 2021



Note: ^a Number of deaths per 100,000 persons, 45-64 years old in specified group.

American Indian and Black or African American middle-aged adults had the two highest mortality rates (2322.8/100,000 and 1215.4/100,000, respectively) among the racial/ethnic groups.

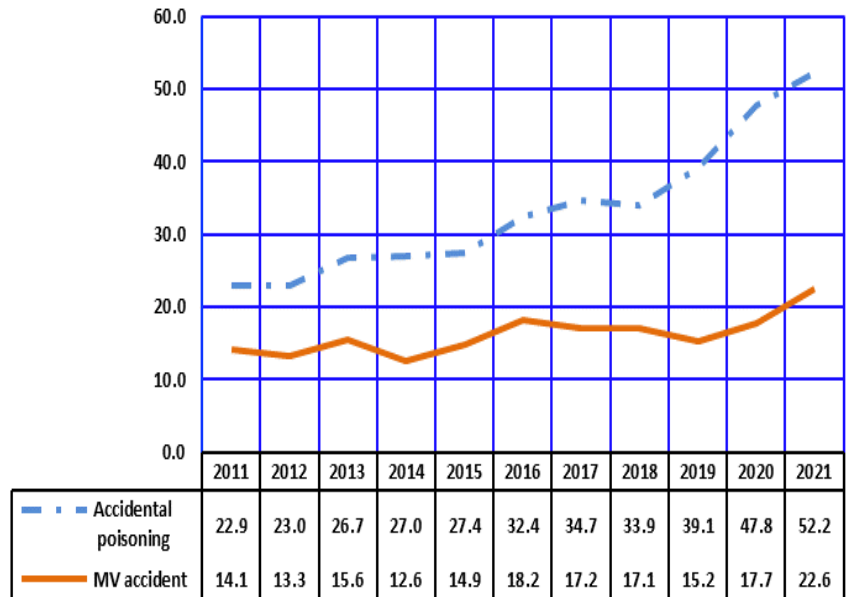
If the 2021 total mortality rate for Asian middle-aged adults applied to all Arizona residents 45-64 years old, 8,253 middle-aged adults would have died rather than the 16,060 who actually did.

2C.AGE-SPECIFIC MORTALITY
Middle-aged adult mortality (ages 45-64 years)

Figure 2C-21
Mortality Rates^a for Accidental Poisoning and Motor Vehicle-related Injuries
by Year among Middle-Aged Adults 45-64 Years, Arizona, 2011-2021

The 2021 mortality rate due to accidental poisoning was 52.2 per 100,000 adults aged 45-64 years, an increase of 9.2 percent from 2020. In 2021, about 899 deaths were attributed to accidental poisoning (Table 2C-22). Of the accidental poisoning deaths in this age group, 831 were drug overdoses (ICD-10 X40-X44) and 66 were alcohol poisoning (ICD-10 X45).

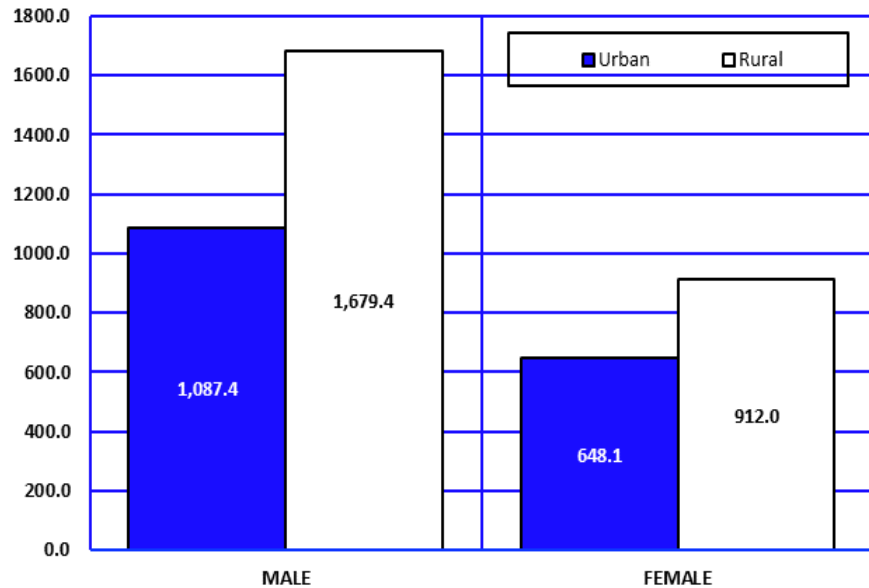
Since 2011, the mortality rate for accidental poisoning exceeded the mortality rate for motor vehicle-related injuries among the middle-aged (Figure 2C-21). In 2021, accidental poisoning mortality rate of 52.2 per 100,000 middle-aged adults was 2.3 times higher than the mortality rate of 22.6 per 100,000 for motor vehicle accidents. White non-Hispanics accounted for about 58.7 percent of all accidental poisoning deaths (Table 2C-22).



Note: ^a Number of motor vehicle and accidental poisoning deaths per 100,000 persons, 45-64 years old in specified group.

Figure 2C-22
Mortality Rates by Gender in Urban^a and Rural Areas among
Middle-Aged Adults 45-64 Years, Arizona, 2021

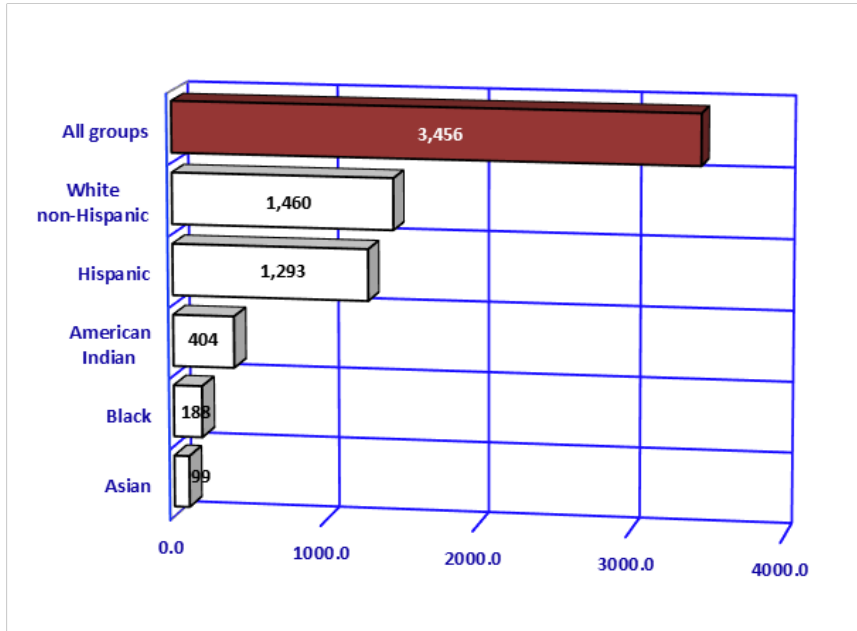
In 2021, as in the past, rural middle-aged males had the worse survival chances than the remaining of the sub-groups (Figure 2C-22, Table 2C-21). The mortality rate for rural middle-aged males in 2021 was 1.5 times greater than for urban males, 1.8-fold greater than rural females, and 2.6-fold greater than urban females.



Note: ^a Urban counties include Maricopa, Pima, Pinal, and Yuma counties.

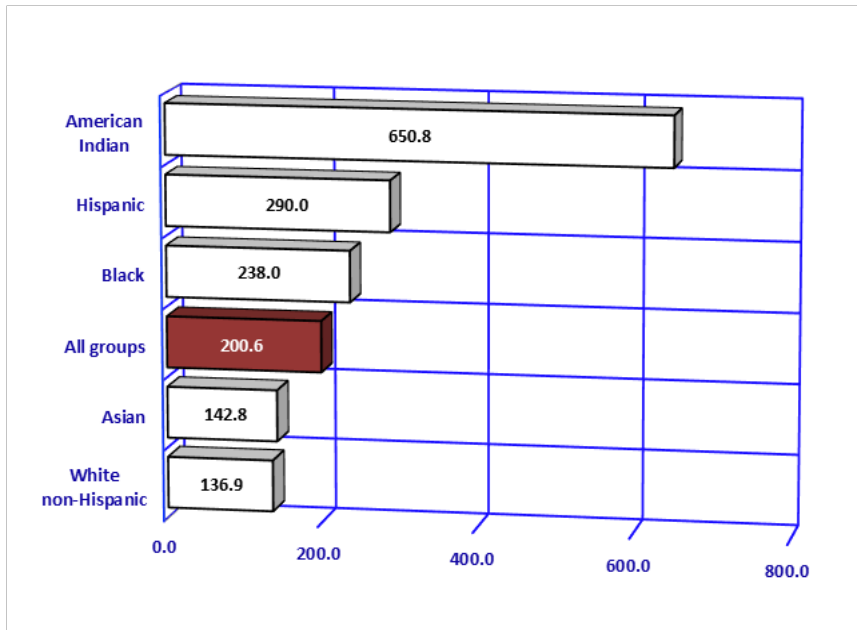
2C.AGE-SPECIFIC MORTALITY
Middle-aged adult mortality (ages 45-64 years)

Figure 2C-23
Mortality for COVID-19 by Race/Ethnicity among Middle-Aged Adults 45-64 Years, Arizona, 2021



In 2021, 3,456 Arizona resident middle-aged adults age 45-64 died from COVID-19. Among the deaths, people who identified as White non-Hispanic represented the largest amount of deaths compared to other race and ethnicities with 42.2% (n= 1,460) of deaths in this age group. The least impacted race were Asians with 2.9% (n= 99) of deaths in this age group (**Figure 2C-23, Table 2C-22**).

Figure 2C-24
Mortality Rates^a for COVID-19 by Race/Ethnicity among Middle-Aged Adults 45-64 Years, Arizona, 2021



The age-specific mortality rate of Arizona resident middle aged adults 45-64 years found the highest risk among American Indians with a rate of 650.8 deaths per 100,000 people aged 45-64. This was more than three times the rate among all race/ethnicity groups (200.6 deaths per 100,000 people aged 45-64). People who identified as Hispanic or Latino represented the second highest group with 290.0 deaths and Black or African Americans represented the third highest group at 238.0 per 100,000 people aged 45-64 deaths and were above the combined rate of all groups.

Note: ^a Number of deaths due to COVID-19 per 100,000 persons, 45-64 years old in specified group.

**TABLE 2C-19
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
BY GENDER, ARIZONA, 2011-2021**

| Gender/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|-------------------------------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------|
| MALE | | | | | | | | | | | | |
| Diseases of heart | 165.3 | 155.1 | 159.3 | 143.2 | 166.6 | 170.1 | 164.7 | 162.5 | 160.8 | 186.3 | 182.9 | 10.6 |
| Malignant neoplasms | 186.3 | 196.6 | 191.4 | 171.5 | 186.4 | 184.1 | 180.7 | 177.8 | 175.1 | 164.9 | 158.7 | -14.8 |
| Accidents (unintentional injuries) | 68.9 | 68.0 | 77.9 | 73.5 | 76.8 | 100.4 | 98.8 | 95.5 | 105.7 | 128.1 | 137.6 | 99.7 |
| Other | 19.8 | 47.9 | 54.5 | 54.0 | 54.5 | 71.5 | 72.1 | 70.5 | 82.6 | 101.0 | 103.6 | 423.2 |
| Motor vehicle accidents | 21.4 | 20.1 | 23.3 | 19.4 | 22.3 | 28.9 | 26.8 | 25.0 | 23.1 | 27.1 | 34.0 | 58.9 |
| Chronic liver disease and cirrhosis | 49.6 | 50.2 | 46.7 | 43.1 | 48.1 | 47.8 | 45.5 | 45.7 | 43.8 | 49.7 | 61.8 | 24.6 |
| Intentional self-harm (suicide) | 41.3 | 41.8 | 38.3 | 37.7 | 40.3 | 41.2 | 37.4 | 43.3 | 39.7 | 38.7 | 38.0 | -8.0 |
| ALL CAUSES | 752.2 | 778.8 | 784.8 | 775.3 | 809.1 | 841.8 | 802.8 | 824.4 | 801.5 | 1052.8 | 1184.8 | 57.5 |
| (Number of all deaths) | (5,760) | (5,999) | (6,088) | (6,111) | (6,444) | (6,781) | (6,570) | (6,839) | (6,702) | (8,755) | (9,935) | 72.5 |
| FEMALE | | | | | | | | | | | | |
| Malignant neoplasms | 156.9 | 155.1 | 160.7 | 145.0 | 155.6 | 150.9 | 143.9 | 146.3 | 147.5 | 147.9 | 153.3 | -2.3 |
| Diseases of heart | 61.8 | 60.5 | 54.6 | 54.0 | 60.8 | 66.7 | 58.2 | 62.7 | 61.9 | 68.0 | 68.5 | 10.8 |
| Accidents (unintentional injuries) | 32.8 | 33.0 | 38.0 | 33.7 | 35.8 | 38.4 | 42.2 | 37.3 | 38.7 | 46.7 | 51.8 | 57.9 |
| Other | 7.4 | 26.1 | 29.8 | 27.4 | 27.9 | 30.4 | 18.6 | 27.7 | 31.0 | 37.8 | 40.0 | 440.5 |
| Motor vehicle accidents | 7.1 | 6.9 | 8.2 | 6.2 | 7.9 | 8.1 | 8.2 | 9.7 | 7.7 | 8.9 | 11.8 | 66.2 |
| Diabetes | 21.3 | 22.3 | 23.6 | 22.8 | 27.4 | 24.6 | 22.6 | 22.1 | 23.4 | 30.2 | 29.6 | 39.0 |
| Chronic lower respiratory diseases | 21.6 | 24.2 | 24.8 | 24.8 | 23.0 | 25.8 | 26.4 | 27.6 | 21.3 | 24.0 | 21.9 | 1.4 |
| ALL CAUSES | 447.1 | 445.8 | 465.2 | 468.9 | 482.3 | 484.1 | 460.8 | 464.7 | 467.3 | 597.9 | 692.5 | 54.9 |
| (Number of all deaths) | (3,638) | (3,631) | (3,810) | (3,914) | (4,066) | (4,130) | (3,997) | (4,081) | (4,132) | (5,238) | (6,125) | 68.4 |
| TOTAL | | | | | | | | | | | | |
| Malignant neoplasms | 171.2 | 175.2 | 175.6 | 157.9 | 170.6 | 167.0 | 161.8 | 161.6 | 160.9 | 156.1 | 155.9 | -8.9 |
| Diseases of heart | 112.0 | 106.5 | 105.5 | 97.4 | 112.2 | 116.9 | 109.9 | 111.2 | 110.0 | 125.5 | 124.2 | 10.9 |
| Accidents (unintentional injuries) | 50.3 | 50.0 | 57.4 | 53.0 | 55.7 | 68.5 | 69.7 | 65.6 | 71.3 | 86.3 | 93.6 | 86.1 |
| Other | 13.4 | 36.7 | 41.8 | 40.4 | 40.8 | 50.3 | 52.5 | 48.5 | 56.1 | 68.6 | 71.0 | 429.9 |
| Motor vehicle accidents | 14.1 | 13.3 | 15.6 | 12.6 | 14.9 | 18.2 | 17.2 | 17.1 | 15.2 | 17.7 | 22.6 | 60.3 |
| Chronic liver disease and cirrhosis | 34.3 | 35.0 | 34.7 | 33.6 | 37.7 | 36.3 | 35.1 | 34.0 | 33.6 | 40.0 | 49.7 | 44.9 |
| Chronic lower respiratory diseases | 23.6 | 25.1 | 24.7 | 25.4 | 26.6 | 28.2 | 27.3 | 28.4 | 23.5 | 25.8 | 20.8 | -11.9 |
| ALL CAUSES | 595.0 | 607.6 | 620.7 | 617.7 | 641.0 | 657.8 | 626.8 | 639.4 | 629.7 | 819.2 | 932.1 | 56.7 |
| (Number of all deaths) | (9,398) | (9,630) | (9,898) | (10,025) | (10,510) | (10,911) | (10,567) | (10,920) | (10,834) | (14,003) | (16,060) | 70.9 |

Notes: ^a Rates are presented per 100,000 middle-aged adults 45-64 years old; ^b The five causes with the greatest number of deaths over the 2011-2021 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10; measures of comparison between ICD-9 and ICD-10 – the “comparability ratios” – for the causes of death shown in this report are provided in the **Technical Notes**; although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-20
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
IN URBAN AND RURAL AREAS^c, ARIZONA, 2011-2021**

| Area/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|-------------------------------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------|
| URBAN | | | | | | | | | | | | |
| Malignant neoplasms | 166.5 | 171.8 | 169.1 | 153.8 | 164.8 | 162.1 | 156.3 | 156.4 | 153.7 | 150.9 | 151.6 | -8.9 |
| Diseases of heart | 103.9 | 95.9 | 96.5 | 89.5 | 100.3 | 106.3 | 101.7 | 100.2 | 103.9 | 115.5 | 114.0 | 9.7 |
| Accidents (unintentional injuries) | 45.4 | 47.6 | 51.5 | 47.3 | 50.2 | 61.3 | 61.3 | 60.0 | 66.1 | 82.0 | 86.4 | 90.3 |
| Other | 12.4 | 35.7 | 38.5 | 36.7 | 37.8 | 45.3 | 46.6 | 46.0 | 52.4 | 65.7 | 67.0 | 440.3 |
| Motor vehicle accidents | 11.9 | 11.9 | 13.0 | 10.6 | 12.4 | 16.0 | 14.7 | 14.0 | 13.6 | 16.3 | 19.4 | 63.0 |
| Chronic liver disease and cirrhosis | 30.8 | 31.5 | 29.9 | 31.5 | 32.6 | 30.3 | 30.1 | 29.9 | 28.5 | 33.8 | 40.0 | 29.9 |
| Chronic lower respiratory diseases | 20.6 | 22.9 | 22.6 | 23.4 | 25.0 | 25.9 | 24.0 | 24.4 | 21.0 | 22.1 | 18.1 | -12.1 |
| ALL CAUSES | 561.5 | 575.8 | 579.8 | 584.2 | 596.5 | 613.0 | 583.1 | 595.1 | 586.3 | 759.7 | 862.3 | 53.6 |
| (Number of all deaths) | (7,274) | (7,513) | (7,631) | (7,855) | (8,128) | (8,485) | (8,223) | (8,527) | (8,485) | (10,988) | (12,602) | 73.2 |
| RURAL | | | | | | | | | | | | |
| Diseases of heart | 143.7 | 152.5 | 142.2 | 133.3 | 163.5 | 159.6 | 140.1 | 162.6 | 139.1 | 176.9 | 175.9 | 22.4 |
| Malignant neoplasms | 186.3 | 187.8 | 204.7 | 175.4 | 196.4 | 184.3 | 182.9 | 186.2 | 196.3 | 182.9 | 175.5 | -5.8 |
| Accidents (unintentional injuries) | 67.6 | 55.3 | 75.8 | 73.3 | 72.6 | 83.8 | 91.5 | 86.9 | 94.1 | 100.0 | 122.7 | 81.5 |
| Other | 16.5 | 36.4 | 51.7 | 52.8 | 46.6 | 58.3 | 64.2 | 55.6 | 71.4 | 78.0 | 85.3 | 417.0 |
| Motor vehicle accidents | 22.5 | 18.9 | 24.1 | 20.5 | 26.0 | 25.5 | 27.2 | 31.3 | 22.7 | 22.1 | 37.5 | 66.7 |
| Chronic liver disease and cirrhosis | 49.3 | 47.5 | 57.1 | 41.7 | 59.2 | 61.9 | 56.6 | 53.5 | 59.7 | 71.9 | 102.5 | 107.9 |
| Chronic lower respiratory diseases | 36.3 | 33.2 | 32.3 | 34.1 | 33.9 | 37.9 | 41.7 | 49.1 | 35.5 | 44.5 | 35.6 | -1.9 |
| ALL CAUSES | 716.6 | 720.2 | 786.8 | 751.4 | 821.2 | 808.3 | 781.1 | 842.7 | 839.6 | 1111.4 | 1281.7 | 78.9 |
| (Number of all deaths) | (2,035) | (2,017) | (2,191) | (2,091) | (2,275) | (2,219) | (2,152) | (2,317) | (2,293) | (2,922) | (3,352) | 64.7 |
| TOTAL | | | | | | | | | | | | |
| Malignant neoplasms | 171.2 | 175.2 | 175.6 | 157.9 | 170.6 | 167.0 | 161.8 | 161.6 | 160.9 | 156.1 | 155.9 | -8.9 |
| Diseases of heart | 112.0 | 106.5 | 105.5 | 97.4 | 112.2 | 116.9 | 109.9 | 111.2 | 110.0 | 125.5 | 124.2 | 10.9 |
| Accidents (unintentional injuries) | 50.3 | 50.0 | 57.4 | 53.0 | 55.7 | 68.5 | 69.7 | 65.6 | 71.3 | 86.3 | 93.6 | 86.1 |
| Other | 13.4 | 36.7 | 41.8 | 40.4 | 40.8 | 50.3 | 52.5 | 48.5 | 56.1 | 68.6 | 71.0 | 429.9 |
| Motor vehicle accidents | 14.1 | 13.3 | 15.6 | 12.6 | 14.9 | 18.2 | 17.2 | 17.1 | 15.2 | 17.7 | 22.6 | 60.3 |
| Chronic liver disease and cirrhosis | 34.3 | 35.0 | 34.7 | 33.6 | 37.7 | 36.3 | 35.1 | 34.0 | 33.6 | 40.0 | 49.7 | 44.9 |
| Chronic lower respiratory diseases | 23.6 | 25.1 | 24.7 | 25.4 | 26.6 | 28.2 | 27.3 | 28.4 | 23.5 | 25.8 | 20.8 | -11.9 |
| ALL CAUSES | 595.0 | 607.6 | 620.7 | 617.7 | 641.0 | 657.8 | 626.8 | 639.4 | 629.7 | 819.2 | 932.1 | 56.7 |
| (Number of all deaths) | (9,398) | (9,630) | (9,898) | (10,025) | (10,510) | (10,911) | (10,567) | (10,920) | (10,834) | (14,003) | (16,060) | 70.9 |

Notes: ^a Rates are presented per 100,000 middle-aged adults 45-64 years old; ^b The five causes with the greatest number of deaths over the 2011-2021 period; ^c Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10; measures of comparison between ICD-9 and ICD-10 - the "comparability ratios" - for the causes of death shown in this report are provided in the **Technical Notes**; although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-21
MORTALITY RATES^a FOR THE SELECED FIVE LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
BY GENDER IN URBAN AND RURAL AREAS^b, ARIZONA, 2011-2021**

| Area/Gender | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|--------------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|-----------------------|
| URBAN | | | | | | | | | | | | |
| Male | 703.5 | 724.9 | 726.0 | 728.1 | 746.1 | 769.7 | 736.7 | 762.1 | 743.8 | 974.4 | 1087.4 | 54.6 |
| Female | 427.8 | 434.7 | 441.0 | 448.0 | 454.8 | 464.5 | 437.4 | 436.6 | 436.6 | 555.5 | 648.1 | 51.5 |
| TOTAL | 561.5 | 575.8 | 579.8 | 584.2 | 596.5 | 613.0 | 583.1 | 595.1 | 586.3 | 759.7 | 862.3 | 53.6 |
| RURAL | | | | | | | | | | | | |
| Male | 918.6 | 968.7 | 1018.5 | 953.9 | 1054.9 | 1079.2 | 1025.4 | 1110.2 | 1080.1 | 1432.6 | 1679.4 | 82.8 |
| Female | 526.1 | 486.1 | 568.8 | 561.6 | 603.7 | 557.3 | 556.0 | 596.9 | 617.8 | 812.9 | 912.0 | 73.4 |
| TOTAL | 716.6 | 720.2 | 786.8 | 751.4 | 821.2 | 808.3 | 781.1 | 842.7 | 839.6 | 1111.4 | 1281.7 | 78.9 |
| TOTAL | | | | | | | | | | | | |
| Male | 752.2 | 778.8 | 784.8 | 775.3 | 809.1 | 841.8 | 802.8 | 824.4 | 801.5 | 1052.8 | 1184.8 | 57.5 |
| Female | 447.1 | 445.8 | 465.2 | 468.9 | 482.3 | 484.1 | 460.8 | 464.7 | 467.3 | 597.9 | 692.5 | 54.9 |
| TOTAL | 595.0 | 607.6 | 620.7 | 617.7 | 641.0 | 657.8 | 626.8 | 639.4 | 629.7 | 819.2 | 932.1 | 56.7 |

Notes: ^a Rates are presented per 100,000 persons 45-64 years old; ^b Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information.

**TABLE 2C-22
LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY,
ARIZONA, 2021**

| Cause of death | Total | | Gender | | Area ^a | | | Race/ethnicity | | | | |
|------------------------------------------------------------------------|------------------|-------|--------|--------|-------------------|---------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|---------|
| | Total | Male | Female | Urban | Rural | Unknown | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Unknown |
| | | | | | | | | | | | | |
| COVID-19 | 3,456 | 2,160 | 1,296 | 2,725 | 719 | 12 | 1,460 | 1,293 | 188 | 404 | 99 | 12 |
| Malignant neoplasms | 2,687 | 1,331 | 1,356 | 2,215 | 459 | 13 | 1,861 | 504 | 142 | 98 | 71 | 11 |
| Malignant neoplasm of trachea, bronchus and lung | 483 | 250 | 233 | 390 | 92 | * | 384 | 52 | 24 | 7 | 12 | * |
| Malignant neoplasm of colon, rectum, and anus | 337 | 205 | 132 | 288 | 46 | * | 214 | 83 | 22 | 7 | 10 | * |
| Malignant neoplasm of breast | 290 [†] | * | 286 | 245 | 40 | * | 196 | 45 | 19 | 14 | 14 | 0 |
| Malignant neoplasm of pancreas | 210 [†] | 107 | 102 | 167 | 40 | * | 146 | 44 | 6 | 12 | * | 0 |
| Diseases of heart | 2,140 | 1,534 | 606 | 1,666 | 460 | 14 | 1,414 | 384 | 184 | 111 | 34 | 13 |
| Accidents (unintentional injury) | 1,612 | 1,154 | 458 | 1,263 | 321 | 28 | 956 | 360 | 98 | 167 | 16 | 15 |
| Accidental poisoning | 899 | 638 | 261 | 749 | 136 | 14 | 528 | 206 | 68 | 81 | 6 | 10 |
| Motor vehicle accidents | 389 | 285 | 104 | 284 | 98 | 7 | 228 | 95 | 16 | 43 | 6 | * |
| Falls | 110 [†] | 69 | 37 | 87 | 18 | * | 67 | 24 | * | 11 | * | 0 |
| Chronic liver disease and cirrhosis | 860 [†] | 518 | 338 | 585 | 268 | * | 475 | 176 | 22 | 177 | * | * |
| Diabetes | 687 | 425 | 262 | 582 | 101 | * | 332 | 199 | 44 | 88 | 19 | * |
| Intentional self-harm (suicide) | 410 [†] | 319 | 95 | 324 | 89 | * | 347 | 41 | * | 7 | 11 | * |
| By discharge of firearms | 240 [†] | 194 | 47 | 187 | 54 | 0 | 213 | 23 | * | 0 | * | 0 |
| By other means | 170 [†] | 125 | 48 | 137 | 35 | * | 134 | 18 | * | 7 | 8 | * |
| Cerebrovascular diseases | 409 | 240 | 169 | 310 | 93 | 6 | 229 | 99 | 38 | 28 | 10 | * |
| Chronic lower respiratory diseases | 360 [†] | 164 | 194 | 264 | 93 | * | 301 | 27 | 16 | 6 | * | 6 |
| Influenza and pneumonia | 194 | 115 | 79 | 154 | 38 | * | 106 | 46 | 11 | 24 | 7 | 0 |
| Essential (primary) hypertension and hypertensive renal disease | 170 [†] | 110 | 63 | 142 | 28 | * | 100 | 30 | 22 | 18 | * | * |
| Nephritis, nephrotic syndrome and nephrosis | 152 | 82 | 70 | 120 | 32 | 0 | 63 | 43 | 18 | 19 | 6 | * |
| Septicemia | 120 [†] | 64 | 53 | 93 | 21 | * | 73 | 27 | * | 11 | * | 0 |
| Assault (homicide) | 110 [†] | 87 | 19 | 89 | 17 | 0 | 44 | 37 | 16 | 8 | * | 0 |
| By discharge of firearms | 70 [†] | 53 | 15 | 62 | 6 | 0 | 27 | 26 | 11 | * | * | 0 |
| By other means | 40 [†] | 34 | * | 27 | 11 | 0 | 17 | 11 | * | * | 0 | 0 |
| Human immunodeficiency virus (HIV) disease | 50 [†] | 49 | * | 41 | 11 | * | 22 | 16 | 7 | 6 | * | * |
| Viral hepatitis | 40 [†] | 26 | 13 | 32 | * | * | 18 | 16 | * | * | * | 0 |
| Total, all causes^b | 16,060 | 9,935 | 6,125 | 12,602 | 3,352 | 106 | 9,432 | 3,779 | 960 | 1,442 | 332 | 115 |

Note: * Cell suppressed due to count less than 6; [†] Sum rounded to nearest tens unit due to addend less than 6; ^a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; ^b May include other causes of death not shown above.

2C.AGE-SPECIFIC MORTALITY
Elderly mortality (ages 65 years and older)

Figure 2C-25
Mortality Rates^a by Gender and Year among Elderly 65 Years and Older, Arizona, 2011-2021



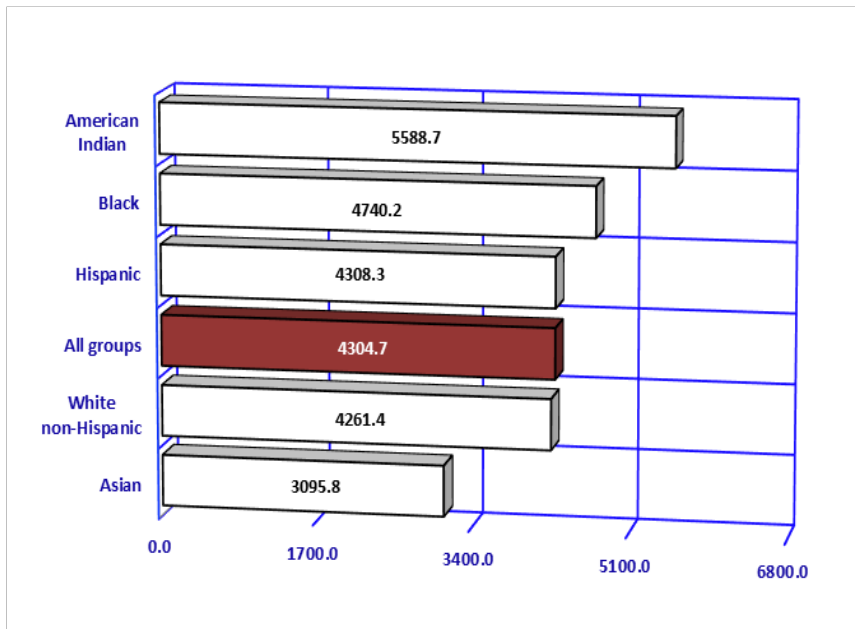
In 2021, an estimated 1,347,800 residents age 65 years and older resided in the state (**Table 10A-1**). No other age group has as great of a disproportionate gender distribution as the elderly. As a result of the higher total mortality rates for males at earlier ages, more elderly women than men were alive in 2021.

The 2021 elderly mortality rate of 4304.7 per 100,000 was 11.4 percent higher than the 2011 rate of 3,864.8 (**Table 2C-23**).

The 2021 total mortality rate among elderly females was 4.1 percent higher than their rate in 2011. The mortality rate among elderly males increased 19.0 percent during the same period (**Figure 2C-25, Table 2C-23**).

Note: ^a Number of deaths per 100,000 persons, 65+ years old in specified group.

Figure 2C-26
Mortality Rates^a by Race/Ethnicity among Elderly 65 Years and Older, Arizona, 2021



In 2021 the mortality rate for Arizona's American Indian elderly residents was 1.8 times that of the Asian elderly population. The mortality rate of 3,095.8 /100,000 among elderly Asians was the lowest rate among the racial/ethnic groups (**Figure 2C-26**). White non-Hispanic elderly had the second lowest mortality rate in 2021 at 4,261.4/100,000.

Note: ^a Number of deaths per 100,000 persons, 65+ years old in specified group.

2C.AGE-SPECIFIC MORTALITY
Elderly mortality (ages 65 years and older)

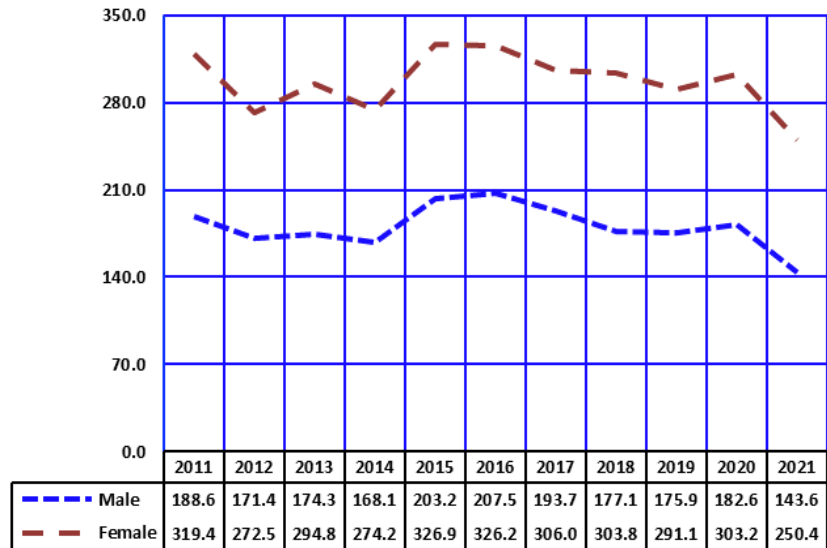
Tables 2C-23 and 2C-24 provide mortality rates for the five causes with the greatest number of deaths over the 2011-2021 period.

In 2021, Alzheimer’s disease (2,713 deaths; **Table 2C-26**) accounted for 4.7 percent of elderly mortality. From 2020 to 2021, the mortality rate due to Alzheimer’s disease decreased for both genders (**Figure 2C-27**).

There were 1,823 deaths from Alzheimer’s disease among elderly females in 2021, approximately twice the number of deaths from this cause among males (890; **Table 2C-26**).

White non-Hispanic elderly accounted for 82.3 percent of the 2021 deaths from Alzheimer’s disease (based on data in **Table 2C-26**).

Figure 2C-27
Trends in Mortality Rates for Alzheimer’s Disease^a by Gender and Year among Elderly 65 Years and Older, Arizona, 2011-2021

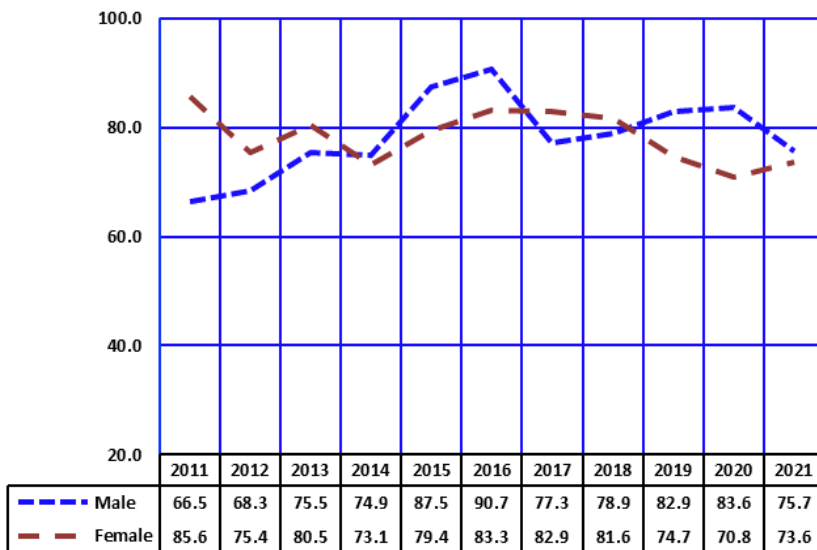


Note: ^a Number of deaths due to Alzheimer’s disease per 100,000 persons, 65+ years old in specified group.

Figure 2C-28
Trends in Mortality Rates for Falls and Fall-related Injuries^a by Gender and Year among Elderly 65 Years and Older, Arizona, 2011-2021

Among unintentional injury deaths unrelated to motor vehicles, Arizona’s elderly experienced high mortality from *fall-related injuries* (**Figure 2C-28**). In 2021, 1,005 elderly Arizonans 65 years or older died from *fall-related injuries*, compared to 989 in 2020, representing a 1.6 percent increase between these two years (**Table 2C-26**).

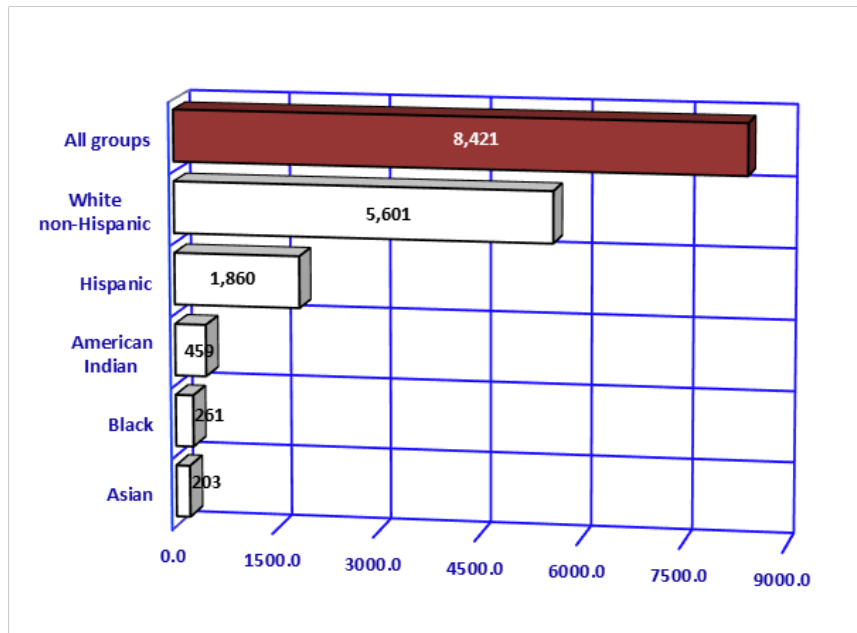
In 2021, Arizonans aged 85 years old or older experienced the largest number of *fall-related deaths* (509), followed by Arizonans 75-84 years old (339), and those aged 65-74 years old (157).



Note: ^a Number of deaths due to falls and fall-related injuries per 100,000 persons, 65+ years old in specified group.

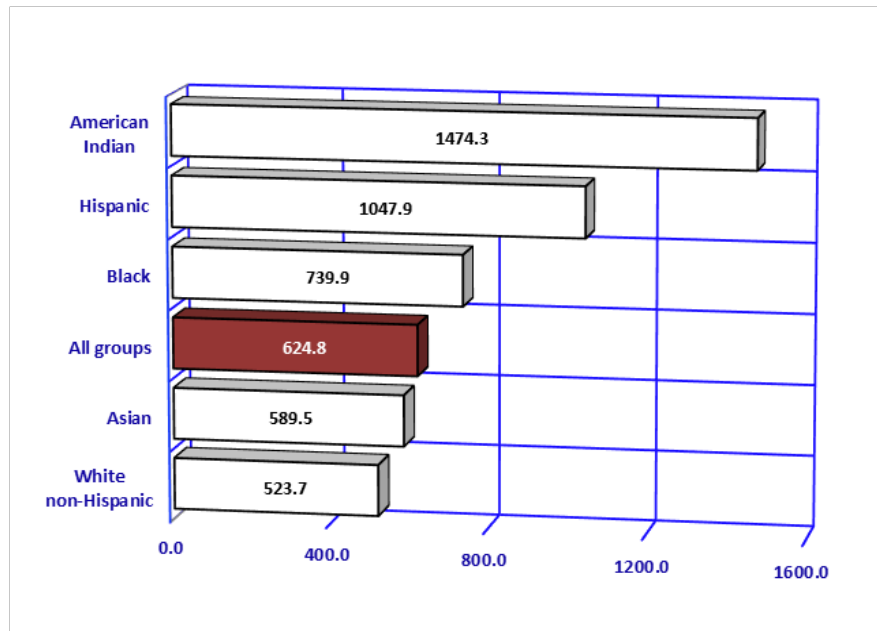
2C.AGE-SPECIFIC MORTALITY
Elderly mortality (ages 65 years and older)

Figure 2C-29
Mortality for COVID-19 by Race/Ethnicity among Elderly 65 Years and Older, Arizona, 2021



In 2021, 8,421 Arizona resident elderly adults 65 years of age and older died from COVID-19. Among the deaths, people who identified as White, non-Hispanic represented the largest amount of deaths compared to other race and ethnicities with 66.5% (n=5,601) of deaths in this age group. The least impacted race were Asians with 2.4% (n=203) of deaths in this age group (**Figure 2C-29, Table 2C-26**).

Figure 2C-30
Mortality Rates^a for COVID-19 by Race/Ethnicity among Elderly 65 Years and Older, Arizona, 2021



The age-specific mortality rate of Arizona resident elderly adults 65 years of age and older found the highest risk among American Indians with a rate of 1,474.3 deaths per 100,000 people aged 65 years and older. This was approximately 2.4 times the rate among all race/ethnicity groups (624.8 deaths per 100,000 people aged 65+). People who identified as Hispanic or Latino represented the second highest group with 1,047.9 deaths per 100,000 people aged 65 years and older (**Figure 2C-30**).

Note: ^a Number of deaths due to COVID-19 per 100,000 persons, 65 years and older in specified group.

**TABLE 2C-23
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG ELDERLY (65 YEARS AND OLDER)
BY GENDER, ARIZONA, 2011-2021**

| Gender/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------|
| MALE | | | | | | | | | | | | |
| Diseases of heart | 1065.5 | 1022.2 | 1007.0 | 908.6 | 970.0 | 1003.2 | 1002.5 | 984.3 | 961.0 | 1062.8 | 1070.0 | 0.4 |
| Malignant neoplasms | 1007.4 | 992.6 | 958.6 | 899.1 | 931.7 | 927.9 | 893.5 | 901.1 | 875.4 | 888.7 | 854.8 | -15.1 |
| Chronic lower respiratory diseases | 318.4 | 319.9 | 302.7 | 290.2 | 308.7 | 298.2 | 288.3 | 280.8 | 265.2 | 260.6 | 238.3 | -25.2 |
| Cerebrovascular diseases | 164.4 | 165.5 | 151.8 | 144.4 | 182.3 | 176.8 | 178.6 | 187.1 | 181.4 | 205.2 | 199.2 | 21.2 |
| Alzheimer's disease | 188.6 | 171.4 | 174.3 | 168.1 | 203.2 | 207.5 | 193.7 | 177.1 | 175.9 | 182.6 | 143.6 | -23.9 |
| ALL CAUSES | 4083.3 | 3987.4 | 3904.2 | 3883.3 | 3975.4 | 4019.0 | 3892.3 | 3932.5 | 3858.4 | 4761.0 | 4859.7 | 19.0 |
| (Number of all deaths) | (16,517) | (17,101) | (17,489) | (18,292) | (19,665) | (20,781) | (21,144) | (22,030) | (22,480) | (28,258) | (30,125) | 82.4 |
| FEMALE | | | | | | | | | | | | |
| Diseases of heart | 847.2 | 794.5 | 763.7 | 694.9 | 756.2 | 741.0 | 743.4 | 726.4 | 705.3 | 774.3 | 748.7 | -11.6 |
| Malignant neoplasms | 710.9 | 678.6 | 697.9 | 628.1 | 670.5 | 642.2 | 628.7 | 601.8 | 624.4 | 627.5 | 607.5 | -14.5 |
| Alzheimer's disease | 319.4 | 272.5 | 294.8 | 274.2 | 3269.0 | 326.2 | 306.0 | 303.8 | 291.1 | 303.2 | 250.4 | -21.6 |
| Chronic lower respiratory diseases | 301.4 | 268.6 | 283.6 | 248.3 | 286.8 | 288.1 | 271.7 | 265.6 | 248.2 | 240.3 | 227.8 | -24.4 |
| Cerebrovascular diseases | 231.0 | 208.0 | 198.1 | 191.1 | 210.5 | 218.4 | 208.0 | 215.3 | 207.8 | 224.3 | 221.5 | -4.1 |
| ALL CAUSES | 3681.4 | 3489.9 | 3468.6 | 3378.3 | 3412.6 | 3371.1 | 3312.5 | 3293.6 | 3215.7 | 3881.4 | 3832.1 | 4.1 |
| (Number of all deaths) | (17,798) | (17,855) | (18,494) | (18,718) | (19,815) | (20,408) | (21,055) | (21,542) | (21,918) | (27,025) | (27,894) | 56.7 |
| TOTAL | | | | | | | | | | | | |
| Diseases of heart | 946.8 | 898.3 | 874.8 | 793.1 | 854.5 | 861.8 | 862.8 | 845.4 | 823.1 | 907.0 | 896.5 | -5.3 |
| Malignant neoplasms | 846.1 | 821.8 | 816.9 | 752.6 | 790.7 | 773.8 | 750.7 | 739.9 | 740.1 | 747.7 | 721.2 | -14.8 |
| Chronic lower respiratory diseases | 309.1 | 292.0 | 292.3 | 267.6 | 296.8 | 292.8 | 279.3 | 272.6 | 256.0 | 249.6 | 232.6 | -24.7 |
| Cerebrovascular diseases | 200.7 | 188.6 | 176.9 | 169.6 | 197.8 | 199.2 | 194.4 | 202.3 | 195.6 | 215.5 | 211.2 | 5.2 |
| Alzheimer's disease | 259.8 | 226.4 | 239.8 | 225.4 | 270.0 | 271.5 | 254.2 | 245.3 | 238.0 | 247.7 | 201.3 | -22.5 |
| ALL CAUSES | 3864.8 | 3716.9 | 3667.5 | 3610.4 | 3671.5 | 3669.5 | 3579.6 | 3588.4 | 3511.9 | 4286.1 | 4304.7 | 11.4 |
| (Number of all deaths) | (34,318) | (34,958) | (35,983) | (37,010) | (39,480) | (41,189) | (42,199) | (43,572) | (44,398) | (55,283) | (58,019) | 69.1 |

Notes: ^a Rates are presented per 100,000 elderly persons 65 years and older; ^b The five causes with the greatest number of deaths over the 2011-2021 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10, replacing the Ninth Revision (ICD-9); although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-24
MORTALITY RATES^a FOR THE SELECTED FIVE LEADING CAUSES^b OF DEATH AMONG ELDERLY (65 YEARS AND OLDER)
IN URBAN AND RURAL AREAS^c, ARIZONA, 2011-2021**

| Area/Cause | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------|
| URBAN | | | | | | | | | | | | |
| Diseases of heart | 932.0 | 891.8 | 862.3 | 781.0 | 830.2 | 835.5 | 839.1 | 829.2 | 822.4 | 893.4 | 885.1 | -5.0 |
| Malignant neoplasms | 846.2 | 825.5 | 807.6 | 748.7 | 783.6 | 756.6 | 737.1 | 724.0 | 726.2 | 732.2 | 705.1 | -16.7 |
| Chronic lower respiratory diseases | 311.3 | 288.9 | 286.3 | 267.8 | 292.0 | 285.8 | 265.3 | 257.5 | 238.0 | 235.6 | 215.1 | -30.9 |
| Cerebrovascular diseases | 202.0 | 192.8 | 180.1 | 172.6 | 198.1 | 197.5 | 193.8 | 203.2 | 197.2 | 218.6 | 211.4 | 4.7 |
| Alzheimer's disease | 288.9 | 251.5 | 272.0 | 252.6 | 291.9 | 286.0 | 262.6 | 253.4 | 249.6 | 254.7 | 207.8 | -28.1 |
| ALL CAUSES | 3886.0 | 3740.3 | 3663.4 | 3615.6 | 3650.2 | 3624.7 | 3531.0 | 3568.4 | 3488.5 | 4238.3 | 4220.5 | 8.6 |
| (Number of all deaths) | (27,302) | (27,824) | (28,442) | (29,416) | (31,179) | (32,370) | (33,146) | (34,397) | (35,062) | (43,652) | (45,392) | 66.3 |
| RURAL | | | | | | | | | | | | |
| Diseases of heart | 990.4 | 912.5 | 919.1 | 834.0 | 935.2 | 947.2 | 940.3 | 900.8 | 819.6 | 950.5 | 929.5 | -6.1 |
| Malignant neoplasms | 840.5 | 802.6 | 847.8 | 764.5 | 810.8 | 828.2 | 792.5 | 794.6 | 788.7 | 803.9 | 777.9 | -7.4 |
| Chronic lower respiratory diseases | 298.9 | 299.6 | 314.0 | 264.3 | 311.1 | 311.2 | 328.6 | 327.6 | 323.4 | 304.0 | 301.2 | 0.8 |
| Cerebrovascular diseases | 193.1 | 171.9 | 164.1 | 157.9 | 195.8 | 204.0 | 193.6 | 196.1 | 187.2 | 202.0 | 206.8 | 7.1 |
| Alzheimer's disease | 145.1 | 130.2 | 117.2 | 118.7 | 184.1 | 211.9 | 218.2 | 211.3 | 190.6 | 218.6 | 174.1 | 20.0 |
| ALL CAUSES | 3741.1 | 3590.0 | 3665.4 | 3558.1 | 3706.3 | 3771.9 | 3708.2 | 3634.9 | 3566.0 | 4435.0 | 4588.6 | 22.7 |
| (Number of all deaths) | (6,935) | (7,058) | (7,505) | (7,526) | (8,196) | (8,653) | (8,905) | (9,099) | (9,241) | (11,525) | (12,494) | 80.2 |
| TOTAL | | | | | | | | | | | | |
| Diseases of heart | 946.8 | 898.3 | 874.8 | 793.1 | 854.5 | 861.8 | 862.8 | 845.4 | 823.1 | 907.0 | 896.5 | -5.3 |
| Malignant neoplasms | 846.1 | 821.8 | 816.9 | 752.6 | 790.7 | 773.8 | 750.7 | 739.9 | 740.1 | 747.7 | 721.2 | -14.8 |
| Chronic lower respiratory diseases | 309.1 | 292.0 | 292.3 | 267.6 | 296.8 | 292.8 | 279.3 | 272.6 | 256.0 | 249.6 | 232.6 | -24.7 |
| Cerebrovascular diseases | 200.7 | 188.6 | 176.9 | 169.6 | 197.8 | 199.2 | 194.4 | 202.3 | 195.6 | 215.5 | 211.2 | 5.2 |
| Alzheimer's disease | 259.8 | 226.4 | 239.8 | 225.4 | 270.0 | 271.5 | 254.2 | 245.3 | 238.0 | 247.7 | 201.3 | -22.5 |
| ALL CAUSES | 3864.8 | 3716.9 | 3667.5 | 3610.4 | 3671.5 | 3669.5 | 3579.6 | 3588.4 | 3511.9 | 4286.1 | 4304.7 | 11.4 |
| (Number of all deaths) | (34,318) | (34,958) | (35,983) | (37,010) | (39,480) | (41,189) | (42,199) | (43,572) | (44,398) | (55,283) | (58,019) | 69.1 |

Notes: ^a Rates are presented per 100,000 elderly persons 65 years and older; ^b The five causes with the greatest number of deaths over the 2011-2021 period; ^c Urban = Maricopa, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2011-2021 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" – for the causes of death shown in this report are provided in the **Technical Notes**; although COVID-19 was among the 5 leading causes of death, it has been excluded in this table because the ICD-10 definition had not been identified until 2020, thus there is no data for years 2011-2019 and making it impossible to show a trend and a percent change.

**TABLE 2C-25
MORTALITY RATES^a FOR THE FIVE LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER)
BY GENDER IN URBAN AND RURAL AREAS^b, ARIZONA, 2011-2021**

| Area/Gender | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change from 2011 |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------------|
| URBAN | | | | | | | | | | | | |
| Male | 4107.6 | 3980.1 | 3898.2 | 3888.6 | 3944.3 | 3960.2 | 3799.2 | 3891.3 | 3816.2 | 4695.5 | 4733.8 | 15.2 |
| Female | 3705.0 | 3543.8 | 3470.8 | 3388.5 | 3405.1 | 3344.3 | 3306.7 | 3297.9 | 3214.4 | 3856.4 | 3792.2 | 2.4 |
| TOTAL | 3886.0 | 3740.3 | 3663.4 | 3615.6 | 3650.2 | 3624.7 | 3531.0 | 3568.4 | 3488.5 | 4238.3 | 4220.5 | 8.6 |
| RURAL | | | | | | | | | | | | |
| Male | 3948.9 | 3952.6 | 3895.3 | 3826.7 | 4027.0 | 4133.9 | 4142.9 | 4043.4 | 3971.6 | 4952.7 | 5262.3 | 33.3 |
| Female | 3547.4 | 3256.0 | 3454.5 | 3309.8 | 3409.1 | 3435.2 | 3304.1 | 3253.6 | 3188.9 | 3956.9 | 3966.8 | 11.8 |
| TOTAL | 3741.1 | 3590.0 | 3665.4 | 3558.1 | 3706.3 | 3771.9 | 3708.2 | 3634.9 | 3566.0 | 4435.0 | 4588.6 | 22.7 |
| TOTAL | | | | | | | | | | | | |
| Male | 4083.3 | 3987.4 | 3904.2 | 3883.3 | 3975.4 | 4019.0 | 3892.3 | 3932.5 | 3858.4 | 4761.0 | 4859.7 | 19.0 |
| Female | 3681.4 | 3489.9 | 3468.6 | 3378.3 | 3412.6 | 3371.1 | 3312.5 | 3293.6 | 3215.7 | 3881.4 | 3832.1 | 4.1 |
| TOTAL | 3864.8 | 3716.9 | 3667.5 | 3610.4 | 3671.5 | 3669.5 | 3579.6 | 3588.4 | 3511.9 | 4286.1 | 4304.7 | 11.4 |

Notes: ^a Rates are presented per 100,000 persons 65 years and older; ^b Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see **Technical Notes** for more information.

**TABLE 2C-26
LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY GENDER, AREA, AND RACE/ETHNICITY,
ARIZONA, 2021**

| Cause of death | Gender | | Area ^a | | | Race/ethnicity | | | | | | |
|------------------------------------------------------------------|------------------|---------------|-------------------|---------------|---------------|----------------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|-----------------|
| | Total | Male | Female | Urban | Rural | Unknown | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Refused/Unknown |
| | | | | | | | | | | | | |
| Diseases of heart | 12,083 | 6,633 | 5,450 | 9,519 | 2,531 | 33 | 10,066 | 1,225 | 317 | 209 | 195 | 71 |
| Malignant neoplasms | 9,721 | 5,299 | 4,422 | 7,584 | 2,118 | 19 | 7,976 | 1,051 | 284 | 194 | 169 | 47 |
| Malignant neoplasm of trachea, bronchus and lung | 2,100 | 1,092 | 1,008 | 1,633 | 462 | * | 1,843 | 151 | 46 | 13 | 38 | 9 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 1,039 | 594 | 445 | 829 | 208 | * | 866 | 105 | 32 | 22 | 14 | 0 |
| Malignant neoplasm of colon, rectum, and anus | 784 | 403 | 381 | 589 | 195 | 0 | 638 | 93 | 23 | 10 | 16 | * |
| Malignant neoplasm of pancreas | 764 | 420 | 344 | 602 | 161 | * | 602 | 103 | 22 | 18 | 15 | * |
| Malignant neoplasm of prostate | 705 | 705 | 0 | 552 | 152 | * | 559 | 88 | 36 | 8 | 9 | * |
| Malignant neoplasm of breast | 628 | 14 | 614 | 491 | 137 | 0 | 504 | 74 | 23 | 10 | 11 | 6 |
| COVID-19 | 8,421 | 4,853 | 3,568 | 6,360 | 2,034 | 27 | 5,601 | 1,860 | 261 | 459 | 203 | 37 |
| Chronic lower respiratory diseases | 3,135 | 1,477 | 1,658 | 2,313 | 820 | * | 2,812 | 190 | 49 | 28 | 31 | 25 |
| Cerebrovascular diseases | 2,847 | 1,235 | 1,612 | 2,274 | 563 | 10 | 2,193 | 392 | 120 | 57 | 69 | 16 |
| Alzheimer's disease | 2,713 | 890 | 1,823 | 2,235 | 474 | * | 2,234 | 328 | 61 | 41 | 41 | 8 |
| Diabetes | 1,767 | 970 | 797 | 1,417 | 347 | * | 1,071 | 407 | 87 | 135 | 54 | 13 |
| Accidents (unintentional injury) | 1,742 | 954 | 788 | 1,357 | 374 | 11 | 1,382 | 192 | 47 | 66 | 36 | 19 |
| Falls | 1,005 | 469 | 536 | 817 | 186 | * | 837 | 99 | 12 | 27 | 25 | * |
| Motor vehicle accidents | 250 [†] | 172 | 77 | 181 | 64 | * | 179 | 39 | 8 | 15 | * | * |
| Essential (primary) hypertension and hypertensive disease | 1,015 | 448 | 567 | 846 | 169 | 0 | 742 | 170 | 46 | 29 | 26 | * |
| Parkinson's disease | 869 | 563 | 306 | 725 | 144 | 0 | 746 | 70 | 12 | 19 | 20 | * |
| Influenza and pneumonia | 692 | 403 | 289 | 535 | 155 | * | 523 | 93 | 24 | 37 | 13 | * |
| Nephritis, nephrotic syndrome and nephrosis | 684 | 364 | 320 | 497 | 186 | * | 483 | 124 | 28 | 32 | 13 | * |
| Septicemia | 360 [†] | 188 | 168 | 286 | 66 | * | 261 | 53 | 16 | 20 | * | * |
| Total, all causes^b | 58,019 | 30,125 | 27,894 | 45,392 | 12,494 | 133 | 45,574 | 7,647 | 1,672 | 1,740 | 1,066 | 320 |

Notes: * Cell suppressed due to count less than 6; [†] Sum rounded to nearest tens unit due to addend less than 6; ^a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; ^b May include other causes of death not shown above.

COMPARATIVE CAUSE-SPECIFIC MORTALITY BY AGE GROUP

TABLE 2C-27
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2021

| | All ages | Infants <1 | Children 1-14 | Adoles- cents 15-19 | Young adults 20-44 | Middle- aged adults 45-64 | Elderly 65+ | Un- known |
|-----------------------------------------------------------------|----------|---------------|------------------|---------------------------|--------------------------|------------------------------------|----------------|--------------|
| Total, all causes | 81,482 | 430 | 249 | 396 | 6,316 | 16,060 | 58,019 | 12 |
| Salmonella infections | 0† | 0 | 0 | 0 | 0 | * | * | 0 |
| Shigellosis and amebiasis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Certain other intestinal infections | 240† | * | 0 | 0 | * | 52 | 182 | 0 |
| Enterocolitis due to Clostridium difficile | 150† | 0 | 0 | 0 | * | 33 | 116 | 0 |
| Tuberculosis | 20† | 0 | 0 | 0 | * | * | 10 | 0 |
| Respiratory tuberculosis | 10† | 0 | 0 | 0 | * | * | * | 0 |
| Other tuberculosis | 10† | 0 | 0 | 0 | * | * | * | 0 |
| Whooping cough | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Scarlet fever and erysipelas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meningococcal infection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Septicemia | 510† | * | * | * | 31 | 117 | 356 | 0 |
| Syphilis | 0† | * | 0 | 0 | 0 | 0 | 0 | 0 |
| Acute poliomyelitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arthropod-borne encephalitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Measles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Viral hepatitis | 80 | 0 | 0 | 0 | 6 | 39 | 35 | 0 |
| Human immunodeficiency virus (HIV) disease | 94 | 0 | 0 | 0 | 25 | 53 | 16 | 0 |
| Malaria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other and unspecified infectious and parasitic diseases | 500† | * | 6 | * | 22 | 121 | 348 | 0 |
| Malignant neoplasms | 12,810† | * | 23 | 14 | 364 | 2,687 | 9,721 | 0 |
| Malignant neoplasm of lip, oral cavity and pharynx | 225 | 0 | 0 | 0 | 8 | 50 | 167 | 0 |
| Malignant neoplasm of esophagus | 360† | 0 | 0 | 0 | * | 80 | 276 | 0 |
| Malignant neoplasm of stomach | 233 | 0 | 0 | 0 | 16 | 68 | 149 | 0 |
| Malignant neoplasm of colon, rectum, and anus | 1,159 | 0 | 0 | 0 | 38 | 337 | 784 | 0 |
| Malignant neoplasm of liver and intrahepatic bile ducts | 570† | 0 | * | 0 | 7 | 147 | 419 | 0 |
| Malignant neoplasm of pancreas | 984 | 0 | 0 | 0 | 11 | 209 | 764 | 0 |
| Malignant neoplasm of larynx | 62 | 0 | 0 | 0 | 0 | 19 | 43 | 0 |
| Malignant neoplasm of trachea, bronchus and lung | 2,595 | 0 | 0 | 0 | 12 | 483 | 2,100 | 0 |
| Malignant melanoma of skin | 218 | 0 | 0 | 0 | 12 | 49 | 157 | 0 |
| Malignant neoplasm of breast | 972 | 0 | 0 | 0 | 56 | 288 | 628 | 0 |
| Malignant neoplasm of cervix uteri | 100 | 0 | 0 | 0 | 28 | 43 | 29 | 0 |
| Malignant neoplasm of corpus uteri and uterus, part unspecified | 233 | 0 | 0 | 0 | 7 | 60 | 166 | 0 |
| Malignant neoplasm of ovary | 303 | 0 | 0 | 0 | 6 | 71 | 226 | 0 |
| Malignant neoplasm of prostate | 779 | 0 | 0 | 0 | 0 | 74 | 705 | 0 |
| Malignant neoplasm of kidney and renal pelvis | 317 | 0 | 0 | 0 | 10 | 71 | 236 | 0 |
| Malignant neoplasm of bladder | 420† | 0 | 0 | 0 | * | 53 | 364 | 0 |

**TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2021**

| | All ages | Infants <1 | Children 1-14 | Adoles- cents 15-19 | Young adults 20-44 | Middle- aged adults 45-64 | Elderly 65+ | Un- known |
|---------------------------------------------------------------------------------|----------|---------------|------------------|---------------------------|--------------------------|------------------------------------|----------------|--------------|
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 400† | 0 | 7 | * | 24 | 113 | 249 | 0 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 1,270† | 0 | 7 | * | 52 | 170 | 1,039 | 0 |
| Hodgkin's disease | 30† | 0 | 0 | 0 | * | * | 18 | 0 |
| Non-Hodgkin's lymphoma | 430† | 0 | 0 | * | 12 | 68 | 352 | 0 |
| Leukemia | 560† | 0 | 7 | * | 34 | 68 | 449 | 0 |
| Multiple myeloma and immunoproliferative neoplasms | 250† | 0 | 0 | 0 | * | 29 | 219 | 0 |
| Other and unspecified malignant neoplasms of lymphoid tissue | 0† | 0 | 0 | 0 | * | * | * | 0 |
| All other and unspecified malignant neoplasm | 1,610† | * | 8 | 10 | 71 | 302 | 1,220 | 0 |
| In situ neoplasms | 420† | * | * | * | 13 | 42 | 363 | 0 |
| Anemias | 80† | 0 | * | * | 6 | 13 | 55 | 0 |
| Diabetes | 2,560† | 0 | 0 | * | 100 | 687 | 1,767 | 0 |
| Nutritional deficiencies | 740† | 0 | 0 | 0 | * | 47 | 691 | 0 |
| Malnutrition | 700† | 0 | 0 | 0 | * | 45 | 655 | 0 |
| Other nutritional deficiencies | 40† | 0 | 0 | 0 | 0 | * | 36 | 0 |
| Obesity | 300† | 0 | * | * | 60 | 128 | 110 | 0 |
| Meningitis | 30† | * | 0 | 0 | * | 10 | 19 | 0 |
| Parkinson's disease | 890† | 0 | 0 | 0 | * | 22 | 869 | 0 |
| Alzheimer's disease | 2,750† | 0 | 0 | 0 | * | 40 | 2,713 | 0 |
| Major cardiovascular diseases | 19,580† | * | 10 | * | 389 | 2,801 | 16,373 | 0 |
| Diseases of heart | 14,540† | * | * | * | 302 | 2,140 | 12,083 | 0 |
| Acute rheumatic fever and chronic rheumatic heart disease | 100† | 0 | 0 | 0 | * | 14 | 80 | 0 |
| Hypertensive heart disease | 1,943 | 0 | 0 | 0 | 46 | 294 | 1,603 | 0 |
| Hypertensive heart and renal disease | 240† | 0 | 0 | 0 | * | 23 | 216 | 0 |
| Ischemic heart disease | 8,491 | 0 | 0 | 0 | 121 | 1,291 | 7,079 | 0 |
| Acute myocardial infarction | 2,001 | 0 | 0 | 0 | 35 | 381 | 1,585 | 0 |
| Other acute ischemic heart disease | 104 | 0 | 0 | 0 | 0 | 18 | 86 | 0 |
| Other forms of chronic ischemic heart disease | 6,386 | 0 | 0 | 0 | 86 | 892 | 5,408 | 0 |
| Atherosclerotic cardiovascular disease | 1,755 | 0 | 0 | 0 | 45 | 460 | 1,250 | 0 |
| All other forms of chronic ischemic heart disease | 4,631 | 0 | 0 | 0 | 41 | 432 | 4,158 | 0 |
| Other heart diseases | 3,760† | * | * | * | 130 | 518 | 3,105 | 0 |
| Acute and subacute endocarditis | 35 | 0 | 0 | 0 | 11 | 13 | 11 | 0 |
| Diseases of pericardium and acute myocarditis | 23 | 0 | 0 | 0 | 0 | 6 | 17 | 0 |
| Heart failure | 997 | 0 | 0 | 0 | 15 | 94 | 888 | 0 |
| All other forms of heart disease | 2,710† | * | * | * | 104 | 405 | 2,189 | 0 |
| Essential (primary) hypertension and hypertensive renal disease | 1,200 | 0 | 0 | 0 | 12 | 173 | 1,015 | 0 |
| Cerebrovascular diseases | 3,320† | * | * | * | 56 | 409 | 2,847 | 0 |
| Atherosclerosis | 100† | 0 | 0 | 0 | 0 | * | 92 | 0 |

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2021

| | All ages | Infants <1 | Children 1-14 | Adolescents 15-19 | Young adults 20-44 | Middle-aged adults 45-64 | Elderly 65+ | Un-known |
|-----------------------------------------------------------------|----------|------------|---------------|-------------------|--------------------|--------------------------|-------------|----------|
| Other diseases of circulatory system | 429 | 0 | 0 | 0 | 19 | 74 | 336 | 0 |
| Aortic aneurysm and dissection | 211 | 0 | 0 | 0 | 12 | 43 | 156 | 0 |
| Other disease of arteries, arterioles and capillaries | 218 | 0 | 0 | 0 | 7 | 31 | 180 | 0 |
| Other disorders of circulatory system | 150† | 0 | 0 | * | 16 | 51 | 83 | 0 |
| Influenza and pneumonia | 930† | * | * | 0 | 41 | 194 | 692 | 0 |
| Influenza | 10† | 0 | 0 | 0 | * | * | 6 | 0 |
| Pneumonia | 920† | * | * | 0 | 39 | 193 | 686 | 0 |
| COVID-19 | 12,690† | * | 7 | 15 | 792 | 3,456 | 8,421 | 0 |
| Other acute lower respiratory infections | 10† | * | 0 | 0 | 0 | * | * | 0 |
| Acute bronchiolitis | 0† | * | 0 | 0 | 0 | * | * | 0 |
| Unspecified acute lower respiratory infection | 0† | 0 | 0 | 0 | 0 | 0 | * | 0 |
| Chronic lower respiratory diseases | 3,520† | 0 | * | * | 23 | 358 | 3,135 | 0 |
| Bronchitis, chronic and unspecified | 10† | 0 | 0 | 0 | 0 | * | * | 0 |
| Emphysema | 190† | 0 | 0 | 0 | * | 22 | 164 | 0 |
| Asthma | 90† | 0 | * | * | 18 | 26 | 43 | 0 |
| Other chronic lower respiratory diseases | 3,240† | 0 | 0 | 0 | * | 308 | 2,925 | 0 |
| Pneumoconioses and chemical effects | 11 | 0 | 0 | 0 | 0 | 0 | 11 | 0 |
| Pneumonitis due to solids and liquids | 218 | 0 | 0 | 0 | 7 | 31 | 180 | 0 |
| Other disease of respiratory system | 1,060† | * | * | * | 27 | 151 | 874 | 0 |
| Peptic ulcer | 130† | 0 | 0 | 0 | * | 25 | 97 | 0 |
| Diseases of appendix | 20† | 0 | * | 0 | * | * | 10 | 0 |
| Hernia | 50† | 0 | 0 | 0 | * | 6 | 36 | 0 |
| Chronic liver disease and cirrhosis | 1,772 | 0 | 0 | 0 | 346 | 856 | 570 | 0 |
| Alcoholic liver disease | 1,125 | 0 | 0 | 0 | 294 | 586 | 245 | 0 |
| Other chronic liver disease and cirrhosis | 647 | 0 | 0 | 0 | 52 | 270 | 325 | 0 |
| Cholelithiasis and other disorders of gallbladder | 100† | 0 | 0 | 0 | * | 9 | 87 | 0 |
| Nephritis, nephrotic syndrome and nephrosis | 870† | * | 0 | 0 | 32 | 152 | 684 | 0 |
| Acute and rapidly progressive nephritic and nephrotic syndrome | 10† | * | 0 | 0 | 0 | * | 8 | 0 |
| Chronic glomerulonephritis | 10† | 0 | 0 | 0 | * | * | 7 | 0 |
| Renal failure | 850† | * | 0 | 0 | 31 | 148 | 669 | 0 |
| Others disorders of kidney | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Infections of kidney | 40† | 0 | 0 | 0 | * | 14 | 23 | 0 |
| Hyperplasia of prostate | 20† | 0 | 0 | 0 | 0 | * | 13 | 0 |
| Inflammatory diseases of female pelvic organs | 0† | 0 | 0 | 0 | 0 | 0 | * | 0 |
| Pregnancy, childbirth and the puerperium | 38 | 0 | 0 | 0 | 38 | 0 | 0 | 0 |
| Pregnancy with abortive outcome | 0† | 0 | 0 | 0 | * | 0 | 0 | 0 |
| Other complications of pregnancy, childbirth and the puerperium | 37 | 0 | 0 | 0 | 37 | 0 | 0 | 0 |

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2021

| | All ages | Infants <1 | Children 1-14 | Adolescents 15-19 | Young adults 20-44 | Middle-aged adults 45-64 | Elderly 65+ | Un-known |
|------------------------------------------------------------------|----------|------------|---------------|-------------------|--------------------|--------------------------|-------------|----------|
| Perinatal conditions | 220† | 214 | * | 0 | * | * | 0 | 0 |
| Congenital anomalies, deformations and chromosomal abnormalities | 224 | 94 | 17 | 8 | 23 | 44 | 38 | 0 |
| Symptoms, signs, abnormal findings | 870† | 38 | 8 | * | 65 | 137 | 616 | 0 |
| Total accidents | 5,945 | 31 | 91 | 180 | 2,288 | 1,612 | 1,742 | * |
| Transport accidents | 1,360† | * | 37 | 87 | 595 | 389 | 249 | 0 |
| Motor vehicle accidents | 1,450† | * | 38 | 88 | 618 | 429 | 277 | 0 |
| Other land transport accidents | 35 | 0 | 0 | 0 | 12 | 12 | 11 | 0 |
| Water, air, space | 60† | 0 | * | * | 11 | 28 | 17 | 0 |
| Nontransport accidents | 4,493 | 29 | 53 | 92 | 1,670 | 1,183 | 1,465 | * |
| Falls | 1,150† | 0 | * | * | 33 | 106 | 1,005 | 0 |
| Accidental discharge of firearms | 10† | 0 | * | * | 6 | 0 | 0 | 0 |
| Accidental drowning and submersion | 120† | * | 29 | 8 | 31 | 20 | 25 | 0 |
| Accidental exposure to smoke, fire and flames | 60† | 0 | * | * | * | 14 | 32 | 0 |
| Accidental poisoning | 2,650† | * | 7 | 80 | 1,528 | 899 | 134 | * |
| Other and unspecified nontransport accidents | 520† | 25 | 10 | * | 67 | 144 | 269 | 0 |
| Intentional self-harm (suicide) | 1,470 | 0 | 16 | 67 | 634 | 414 | 338 | * |
| By discharge of firearms | 880† | 0 | * | 27 | 338 | 241 | 267 | 0 |
| By other means | 592 | 0 | 11 | 40 | 296 | 173 | 71 | * |
| Assault (homicide) | 560† | * | 14 | 63 | 346 | 106 | 27 | 0 |
| By discharge of firearms | 430† | * | * | 61 | 279 | 68 | 15 | 0 |
| By other means | 130† | * | 9 | * | 67 | 38 | 12 | 0 |
| Legal intervention | 30† | 0 | 0 | * | 20 | * | * | 0 |
| Events of undetermined intent | 180† | * | 8 | * | 71 | 55 | 32 | 0 |
| Discharge of firearms | 20† | 0 | * | * | 12 | * | * | 0 |
| Other and unspecified events of undetermined intent | 150† | * | 7 | * | 59 | 51 | 29 | 0 |
| Operations of war | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Complications of medical and surgical care | 140† | 0 | * | * | 10 | 36 | 95 | 0 |
| Injury by firearms | 1,360† | * | 12 | 92 | 655 | 317 | 286 | 0 |
| Drug-induced deaths | 2,860† | * | 15 | 85 | 1,592 | 972 | 190 | * |
| Opioid-induced deaths | 1,960† | * | 14 | 72 | 1,261 | 527 | 87 | 0 |
| Alcohol-induced deaths | 1,890† | 0 | 0 | * | 493 | 976 | 421 | 0 |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; the causes of death in this table are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

**TABLE 2C-28
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES^a BY AGE GROUP, ARIZONA, 2021**

| | All ages | Infants <1 | Children 1-14 | Adoles- cents 15-19 | Young adults 20-44 | Middle- aged adults 45-64 | Elderly 65+ |
|-----------------------------------------------------------------|----------|---------------|------------------|---------------------------|--------------------------|------------------------------------|----------------|
| Total, all causes | 1118.4 | 552.3 | 19.8 | 83.7 | 262.6 | 932.1 | 4304.7 |
| Salmonella infections | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | ** |
| Shigellosis and amebiasis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Certain other intestinal infections | 3.3 | ** | 0.0 | 0.0 | ** | 3.0 | 13.5 |
| Enterocolitis due to Clostridium difficile | 2.1 | 0.0 | 0.0 | 0.0 | ** | 1.9 | 8.6 |
| Tuberculosis | 0.2 | 0.0 | 0.0 | 0.0 | ** | ** | 0.7 |
| Respiratory tuberculosis | 0.1 | 0.0 | 0.0 | 0.0 | ** | ** | ** |
| Other tuberculosis | 0.1 | 0.0 | 0.0 | 0.0 | ** | ** | ** |
| Whooping cough | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Scarlet fever and erysipelas | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Meningococcal infection | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Septicemia | 7.0 | ** | ** | ** | 1.3 | 6.8 | 26.4 |
| Syphilis | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Acute poliomyelitis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Arthropod-borne encephalitis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Measles | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Viral hepatitis | 1.1 | 0.0 | 0.0 | 0.0 | 0.2 | 2.3 | 2.6 |
| Human immunodeficiency virus (HIV) disease | 1.3 | 0.0 | 0.0 | 0.0 | 1.0 | 3.1 | 1.2 |
| Malaria | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other and unspecified infectious and parasitic diseases | 6.9 | ** | 0.5 | ** | 0.9 | 7.0 | 25.8 |
| Malignant neoplasms | 175.8 | ** | 1.8 | 3.0 | 15.1 | 155.9 | 721.2 |
| Malignant neoplasm of lip, oral cavity and pharynx | 3.1 | 0.0 | 0.0 | 0.0 | 0.3 | 2.9 | 12.4 |
| Malignant neoplasm of esophagus | 5.0 | 0.0 | 0.0 | 0.0 | ** | 4.6 | 20.5 |
| Malignant neoplasm of stomach | 3.2 | 0.0 | 0.0 | 0.0 | 0.7 | 3.9 | 11.1 |
| Malignant neoplasm of colon, rectum, and anus | 15.9 | 0.0 | 0.0 | 0.0 | 1.6 | 19.6 | 58.2 |
| Malignant neoplasm of liver and intrahepatic bile ducts | 7.9 | 0.0 | ** | 0.0 | 0.3 | 8.5 | 31.1 |
| Malignant neoplasm of pancreas | 13.5 | 0.0 | 0.0 | 0.0 | 0.5 | 12.1 | 56.7 |
| Malignant neoplasm of larynx | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 3.2 |
| Malignant neoplasm of trachea, bronchus and lung | 35.6 | 0.0 | 0.0 | 0.0 | 0.5 | 28.0 | 155.8 |
| Malignant melanoma of skin | 3.0 | 0.0 | 0.0 | 0.0 | 0.5 | 2.8 | 11.6 |
| Malignant neoplasm of breast | 13.3 | 0.0 | 0.0 | 0.0 | 2.3 | 16.7 | 46.6 |
| Malignant neoplasm of cervix uteri | 2.7 | 0.0 | 0.0 | 0.0 | 2.4 | 4.9 | 4.0 |
| Malignant neoplasm of corpus uteri and uterus, part unspecified | 6.4 | 0.0 | 0.0 | 0.0 | 0.6 | 6.8 | 22.8 |
| Malignant neoplasm of ovary | 8.3 | 0.0 | 0.0 | 0.0 | 0.5 | 8.0 | 31.0 |
| Malignant neoplasm of prostate | 21.5 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 113.7 |
| Malignant neoplasm of kidney and renal pelvis | 4.4 | 0.0 | 0.0 | 0.0 | 0.4 | 4.1 | 17.5 |
| Malignant neoplasm of bladder | 5.7 | 0.0 | 0.0 | 0.0 | ** | 3.1 | 27.0 |

**TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES^a BY AGE GROUP, ARIZONA, 2021**

| | All ages | Infants <1 | Children 1-14 | Adolescents 15-19 | Young adults 20-44 | Middle-aged adults 45-64 | Elderly 65+ |
|---------------------------------------------------------------------------------|----------|------------|---------------|-------------------|--------------------|--------------------------|-------------|
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 5.4 | 0.0 | 0.6 | ** | 1.0 | 6.6 | 18.5 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 17.4 | 0.0 | 0.6 | ** | 2.2 | 9.9 | 77.1 |
| Hodgkin's disease | 0.3 | 0.0 | 0.0 | 0.0 | ** | ** | 1.3 |
| Non-Hodgkin's lymphoma | 5.9 | 0.0 | 0.0 | ** | 0.5 | 3.9 | 26.1 |
| Leukemia | 7.7 | 0.0 | 0.6 | ** | 1.4 | 3.9 | 33.3 |
| Multiple myeloma and immunoproliferative neoplasms | 3.4 | 0.0 | 0.0 | 0.0 | ** | 1.7 | 16.2 |
| Other and unspecified malignant neoplasms of lymphoid tissue | 0.0 | 0.0 | 0.0 | 0.0 | ** | ** | ** |
| All other and unspecified malignant neoplasm | 22.1 | ** | 0.6 | 2.1 | 3.0 | 17.5 | 90.5 |
| In situ neoplasms | 5.8 | ** | ** | ** | 0.5 | 2.4 | 26.9 |
| Anemias | 1.0 | 0.0 | ** | ** | 0.2 | 0.8 | 4.1 |
| Diabetes | 35.1 | 0.0 | 0.0 | ** | 4.2 | 39.9 | 131.1 |
| Nutritional deficiencies | 10.2 | 0.0 | 0.0 | 0.0 | ** | 2.7 | 51.3 |
| Malnutrition | 9.7 | 0.0 | 0.0 | 0.0 | ** | 2.6 | 48.6 |
| Other nutritional deficiencies | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 2.7 |
| Obesity | 4.1 | 0.0 | ** | ** | 2.5 | 7.4 | 8.2 |
| Meningitis | 0.4 | ** | 0.0 | 0.0 | ** | 0.6 | 1.4 |
| Parkinson's disease | 12.2 | 0.0 | 0.0 | 0.0 | ** | 1.3 | 64.5 |
| Alzheimer's disease | 37.8 | 0.0 | 0.0 | 0.0 | ** | 2.3 | 201.3 |
| Major cardiovascular diseases | 268.8 | ** | 0.8 | ** | 16.2 | 162.6 | 1214.8 |
| Diseases of heart | 199.5 | ** | ** | ** | 12.6 | 124.2 | 896.5 |
| Acute rheumatic fever and chronic rheumatic heart disease | 1.3 | 0.0 | 0.0 | 0.0 | ** | 0.8 | 5.9 |
| Hypertensive heart disease | 26.7 | 0.0 | 0.0 | 0.0 | 1.9 | 17.1 | 118.9 |
| Hypertensive heart and renal disease | 3.3 | 0.0 | 0.0 | 0.0 | ** | 1.3 | 16.0 |
| Ischemic heart disease | 116.5 | 0.0 | 0.0 | 0.0 | 5.0 | 74.9 | 525.2 |
| Acute myocardial infarction | 27.5 | 0.0 | 0.0 | 0.0 | 1.5 | 22.1 | 117.6 |
| Other acute ischemic heart disease | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 6.4 |
| Other forms of chronic ischemic heart disease | 87.7 | 0.0 | 0.0 | 0.0 | 3.6 | 51.8 | 401.2 |
| Atherosclerotic cardiovascular disease | 24.1 | 0.0 | 0.0 | 0.0 | 1.9 | 26.7 | 92.7 |
| All other forms of chronic ischemic heart disease | 63.6 | 0.0 | 0.0 | 0.0 | 1.7 | 25.1 | 308.5 |
| Other heart diseases | 51.7 | ** | ** | ** | 5.4 | 30.1 | 230.4 |
| Acute and subacute endocarditis | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 | 0.8 | 0.8 |
| Diseases of pericardium and acute myocarditis | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 |
| Heart failure | 13.7 | 0.0 | 0.0 | 0.0 | 0.6 | 5.5 | 65.9 |
| All other forms of heart disease | 37.2 | ** | ** | ** | 4.3 | 23.5 | 162.4 |
| Essential (primary) hypertension and hypertensive renal disease | 16.5 | 0.0 | 0.0 | 0.0 | 0.5 | 10.0 | 75.3 |
| Cerebrovascular diseases | 45.6 | ** | ** | ** | 2.3 | 23.7 | 211.2 |
| Atherosclerosis | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 6.8 |

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES^a BY AGE GROUP, ARIZONA, 2021

| | All ages | Infants <1 | Children 1-14 | Adoles- cents 15-19 | Young adults 20-44 | Middle- aged adults 45-64 | Elderly 65+ |
|-----------------------------------------------------------------|----------|---------------|------------------|---------------------------|--------------------------|------------------------------------|----------------|
| Other diseases of circulatory system | 5.9 | 0.0 | 0.0 | 0.0 | 0.8 | 4.3 | 24.9 |
| Aortic aneurysm and dissection | 2.9 | 0.0 | 0.0 | 0.0 | 0.5 | 2.5 | 11.6 |
| Other disease of arteries, arterioles and capillaries | 3.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.8 | 13.4 |
| Other disorders of circulatory system | 2.1 | 0.0 | 0.0 | ** | 0.7 | 3.0 | 6.2 |
| Influenza and pneumonia | 12.8 | ** | ** | 0.0 | 1.7 | 11.3 | 51.3 |
| Influenza | 0.1 | 0.0 | 0.0 | 0.0 | ** | ** | 0.4 |
| Pneumonia | 12.7 | ** | ** | 0.0 | 1.6 | 11.2 | 50.9 |
| COVID-19 | 174.2 | ** | 0.6 | 3.2 | 32.9 | 200.6 | 624.8 |
| Other acute lower respiratory infections | 0.1 | ** | 0.0 | 0.0 | 0.0 | ** | ** |
| Acute bronchiolitis | 0.1 | ** | 0.0 | 0.0 | 0.0 | ** | ** |
| Unspecified acute lower respiratory infection | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** |
| Chronic lower respiratory diseases | 48.3 | 0.0 | ** | ** | 1.0 | 20.8 | 232.6 |
| Bronchitis, chronic and unspecified | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | ** | ** |
| Emphysema | 2.6 | 0.0 | 0.0 | 0.0 | ** | 1.3 | 12.2 |
| Asthma | 1.2 | 0.0 | ** | ** | 0.7 | 1.5 | 3.2 |
| Other chronic lower respiratory diseases | 44.4 | 0.0 | 0.0 | 0.0 | ** | 17.9 | 217.0 |
| Pneumoconioses and chemical effects | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| Pneumonitis due to solids and liquids | 3.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.8 | 13.4 |
| Other disease of respiratory system | 14.6 | ** | ** | ** | 1.1 | 8.8 | 64.8 |
| Peptic ulcer | 1.7 | 0.0 | 0.0 | 0.0 | ** | 1.5 | 7.2 |
| Diseases of appendix | 0.2 | 0.0 | ** | 0.0 | ** | ** | 0.7 |
| Hernia | 0.6 | 0.0 | 0.0 | 0.0 | ** | 0.3 | 2.7 |
| Chronic liver disease and cirrhosis | 24.3 | 0.0 | 0.0 | 0.0 | 14.4 | 49.7 | 42.3 |
| Alcoholic liver disease | 15.4 | 0.0 | 0.0 | 0.0 | 12.2 | 34.0 | 18.2 |
| Other chronic liver disease and cirrhosis | 8.9 | 0.0 | 0.0 | 0.0 | 2.2 | 15.7 | 24.1 |
| Cholelithiasis and other disorders of gallbladder | 1.4 | 0.0 | 0.0 | 0.0 | ** | 0.5 | 6.5 |
| Nephritis, nephrotic syndrome and nephrosis | 12.0 | ** | 0.0 | 0.0 | 1.3 | 8.8 | 50.7 |
| Acute and rapidly progressive nephritic and nephrotic syndrome | 0.1 | ** | 0.0 | 0.0 | 0.0 | ** | 0.6 |
| Chronic glomerulonephritis | 0.2 | 0.0 | 0.0 | 0.0 | ** | ** | 0.5 |
| Renal failure | 11.7 | ** | 0.0 | 0.0 | 1.3 | 8.6 | 49.6 |
| Others disorders of kidney | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Infections of kidney | 0.5 | 0.0 | 0.0 | 0.0 | ** | 0.8 | 1.7 |
| Hyperplasia of prostate | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 2.1 |
| Inflammatory diseases of female pelvic organs | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** |
| Pregnancy, childbirth and the puerperium | 1.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 |
| Pregnancy with abortive outcome | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 |
| Other complications of pregnancy, childbirth and the puerperium | 1.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 |

**TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES^a BY AGE GROUP, ARIZONA, 2021**

| | All ages | Infants <1 | Children 1-14 | Adolescents 15-19 | Young adults 20-44 | Middle-aged adults 45-64 | Elderly 65+ |
|------------------------------------------------------------------|----------|------------|---------------|-------------------|--------------------|--------------------------|-------------|
| Perinatal conditions | 3.0 | 274.9 | ** | 0.0 | ** | ** | 0.0 |
| Congenital anomalies, deformations and chromosomal abnormalities | 3.1 | 120.7 | 1.4 | 1.7 | 1.0 | 2.6 | 2.8 |
| Symptoms, signs, abnormal findings | 11.9 | 48.8 | 0.6 | ** | 2.7 | 8.0 | 45.7 |
| Total accidents | 81.6 | 39.8 | 7.2 | 38.0 | 95.1 | 93.6 | 129.2 |
| Transport accidents | 19.9 | ** | 3.0 | 18.6 | 25.7 | 24.9 | 20.6 |
| Motor vehicle accidents | 18.7 | ** | 2.9 | 18.4 | 24.7 | 22.6 | 18.5 |
| Other land transport accidents | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.8 |
| Water, air, space | 0.8 | 0.0 | ** | ** | 0.5 | 1.6 | 1.3 |
| Nontransport accidents | 61.7 | 37.2 | 4.2 | 19.4 | 69.4 | 68.7 | 108.7 |
| Falls | 15.7 | 0.0 | ** | ** | 1.4 | 6.2 | 74.6 |
| Accidental discharge of firearms | 0.1 | 0.0 | ** | ** | 0.2 | 0.0 | 0.0 |
| Accidental drowning and submersion | 1.6 | ** | 2.3 | 1.7 | 1.3 | 1.2 | 1.9 |
| Accidental exposure to smoke, fire and flames | 0.8 | 0.0 | ** | ** | ** | 0.8 | 2.4 |
| Accidental poisoning | 36.4 | ** | 0.6 | 16.9 | 63.5 | 52.2 | 9.9 |
| Other and unspecified nontransport accidents | 7.1 | 32.1 | 0.8 | ** | 2.8 | 8.4 | 20.0 |
| Intentional self-harm (suicide) | 20.2 | 0.0 | 1.3 | 14.2 | 26.4 | 24.0 | 25.1 |
| By discharge of firearms | 12.1 | 0.0 | ** | 5.7 | 14.1 | 14.0 | 19.8 |
| By other means | 8.1 | 0.0 | 0.9 | 8.4 | 12.3 | 10.0 | 5.3 |
| Assault (homicide) | 7.7 | ** | 1.1 | 13.3 | 14.4 | 6.2 | 2.0 |
| By discharge of firearms | 5.9 | ** | ** | 12.9 | 11.6 | 3.9 | 1.1 |
| By other means | 1.8 | ** | 0.7 | ** | 2.8 | 2.2 | 0.9 |
| Legal intervention | 0.4 | 0.0 | 0.0 | ** | 0.8 | ** | ** |
| Events of undetermined intent | 2.4 | ** | 0.6 | ** | 3.0 | 3.2 | 2.4 |
| Discharge of firearms | 0.3 | 0.0 | ** | ** | 0.5 | ** | ** |
| Other and unspecified events of undetermined intent | 2.1 | ** | 0.6 | ** | 2.5 | 3.0 | 2.2 |
| Operations of war | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Complications of medical and surgical care | 2.0 | 0.0 | ** | ** | 0.4 | 2.1 | 7.0 |
| Injury by firearms ^b | 18.7 | ** | 1.0 | 19.4 | 27.2 | 18.4 | 21.2 |
| Drug-induced deaths ^b | 39.2 | ** | 1.2 | 18.0 | 66.2 | 56.4 | 14.1 |
| Opioid-induced deaths | 26.9 | ** | 1.1 | 15.2 | 52.4 | 30.6 | 6.5 |
| Alcohol-induced deaths ^b | 26.0 | 0.0 | 0.0 | ** | 20.5 | 56.6 | 31.2 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a The rates for infants <1 year of age are per 100,000 births; all other rates are per 100,000 population in specified group; the rates for malignant neoplasm of cervix uteri, corpus uteri, ovary, inflammatory disease of female pelvic organs and complications of pregnancy are per 100,000 females; the rates for prostate cancer and hyperplasia of prostate are per 100,000 males; ^b Included in selected categories above.



2D.

PATTERNS OF PREMATURE MORTALITY

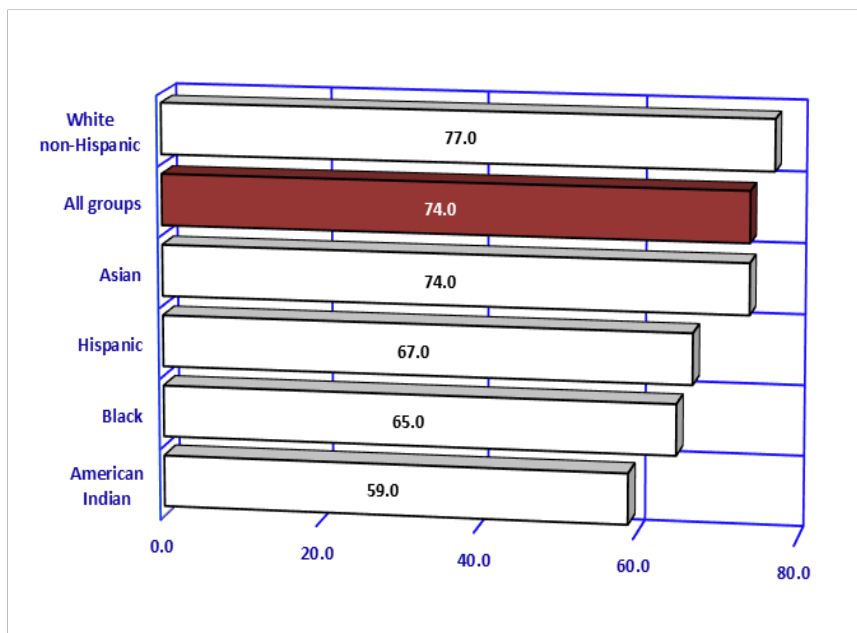
In 2021, among the race/ethnic minority groups (Hispanic or Latino, Black or African American, American Indian or Alaska Native, Asian or Pacific Islander), people younger than 25 years represented 41.4 percent of the group total (n= 3,281,312), while among White non-Hispanics the same age demographic accounted for 23.6 percent of the group total (n= 4,004,058). In contrast, people aged 65 years and older accounted for 26.7 percent of White non-Hispanics, but only 8.5 percent of all ethnic minority groups combined (percentages based on race-and-age-specific population denominators in **Table 10C-1**).

Arizona's population distribution by age and race/ethnicity is related to patterns of mortality among these subgroups. In 2021, of all deaths among the elderly (65 years and older), 78.6 percent were White non-Hispanics, 13.2 percent were Hispanic or Latino, with the remaining three racial/ethnic groups comprising only 7.7 percent of all deaths in this age group (**Table 2C-26**). Looking at younger ages, Native American children comprised only 4.9 percent of Arizona's population age 1-14, but accounted for 12.4 percent of all childhood deaths. Native American adolescents (ages 15-19) represented only 4.8 percent of all adolescents, but accounted for 10.4 percent of all adolescent deaths. Finally, Native American young adults (ages 20-44) represented 4.5 percent of all young adults but comprised 17.5 percent of all young adult deaths. In summary, Arizona's racial/ethnic minority groups tend to experience mortality earlier in life than Arizona's White non-Hispanics.

Beginning with the 2005 edition of the report, information about the arithmetic mean age at death was supplemented with information about the median age, or the age in the center of the distribution when sorted by age (see **Table 2D-1**). The median age is higher than the arithmetic mean age in negatively skewed distributions.

2D. PATTERNS OF PREMATURE MORTALITY

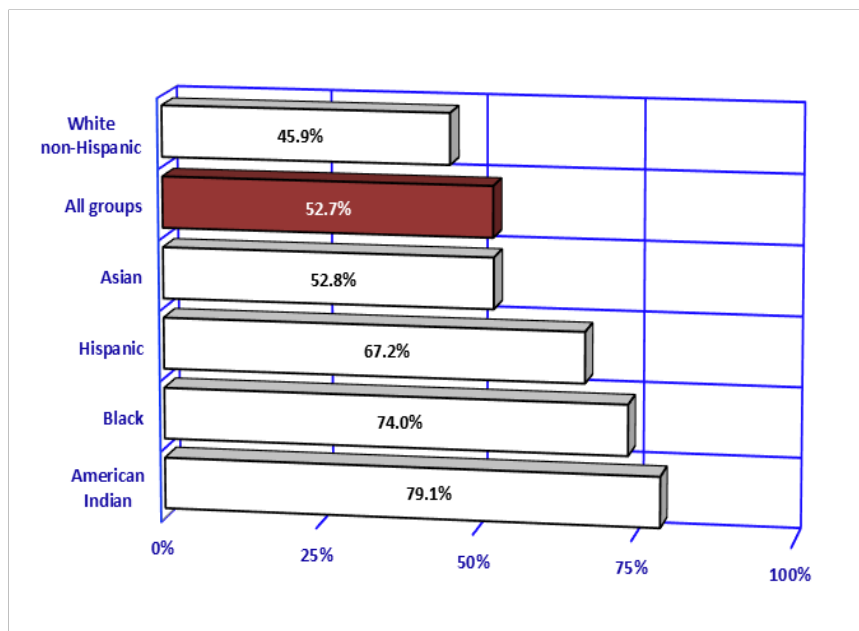
Figure 2D-1
Median Age at Death by Race/Ethnicity, Arizona, 2021



The median age at death reflected a change from 76 years in 2014 to 2020, to 74 years in 2021 (**Table 2D-1**). In other words, one of every two Arizonans who died in 2021 was older than 74 years of age. Among Arizona females, the median age at death was 77 years old when they died in 2021. Among males, the median age at death was 72 years in 2021. **Table 2D-1** shows both the median age at death by race/ethnicity and gender from 2011-2021.

In 2021, compared to White non-Hispanics, on average Asians were 3 years younger at time of death, Hispanics were 10 years younger, Blacks were 12 years younger, and American Indian residents of Arizona were 18 years younger (based on the median age at death).

Figure 2D-2
Percent of Deaths before Expected^a Years of Life Reached by Race/Ethnicity, Arizona, 2021



In 2021, the percent of deaths before expected years of life reached (a premature death ratio) was 52.7 percent, a level that changed from prior years (52.2 in 2020, 55.6 in 2019, and 55.1 for both 2018 and 2017 (**Figure 2D-2**).

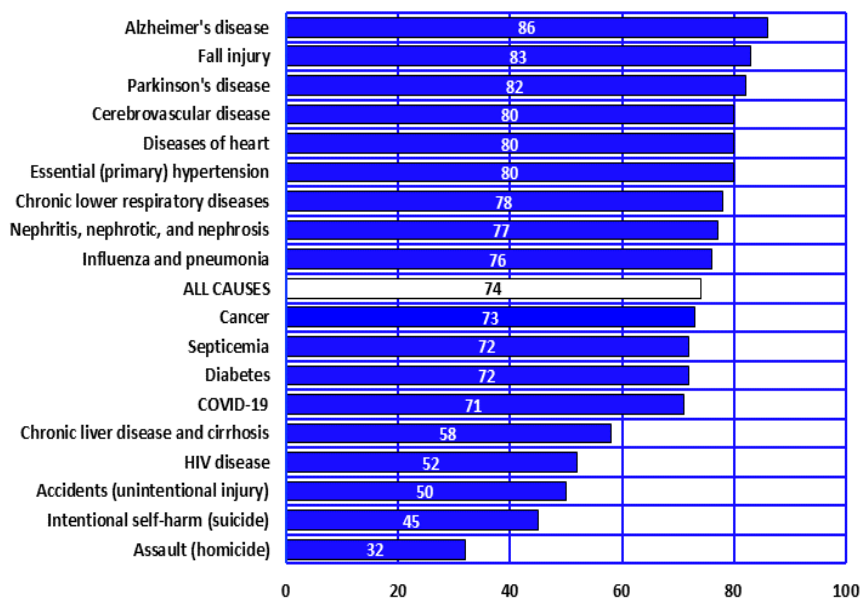
As expected, based on the findings for average and median age at death, White non-Hispanics were the only group with less than 50 percent of all deaths (45.9 percent) occurring before the expected years of life were reached (**Figure 2D-2**).

Among American Indians, nearly eight out of ten deaths (79.1 percent) were premature (**Table 2D-2**).

Note: ^a Expected years of life at birth for all U.S. residents (76.1 years).

2D. PATTERNS OF PREMATURE MORTALITY

Figure 2D-3
Median Age at Death for Selected Leading Causes of Death, Arizona, 2021

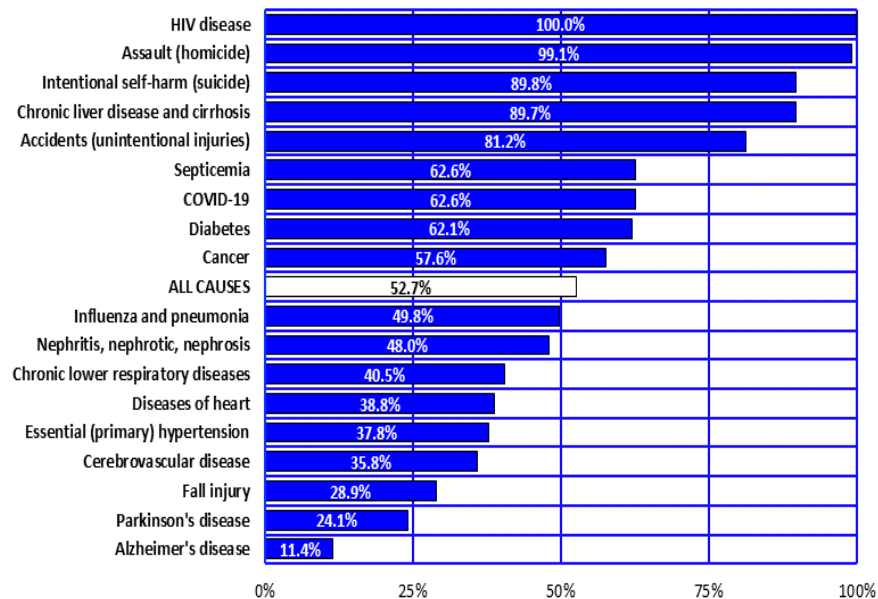


In 2021, *Alzheimer's disease* had the highest median age of death at 86 years (**Figure 2D-3**), exceeding by 12 years the median age at death for all causes (**Figure 2D-3, Table 2D-3**).

Among the leading causes of death, *homicide* had the lowest median age at death of 32 years.

From 2010-2015, *cancer* replaced *diseases of the heart* as the leading cause of death (based on the number of deaths). This epidemiologic transition in mortality risks is likely to have long lasting implications for the life expectancy of Arizonans, because the median age at death from *cancer* (73 years) is substantially lower than the median age at death from *diseases of the heart* (80 years).

Figure 2D-4
Percent of Deaths before Expected Years of Life^a Reached for Selected Leading Causes of Death, Arizona, 2021



Only 11.4 percent of deaths from *Alzheimer's disease* occurred before the age of 76.1 years, i.e., before the expected years of life were reached. In contrast, almost all deaths from *homicide* were premature (99.1 percent; **Figure 2D-4, Table 2D-4**). The median age at death from *homicide* was 32 years in 2021, showing a decrease from 34 years recorded in 2020 (**Figure 2D-3, Table 2D-3**).

A minority of deaths from *diseases of heart* were premature (38.8 percent). In contrast 57.6 percent of deaths from *cancer* occurred before the expected years of life were reached.

Notes: ^a Expected years of life at birth for all U.S. residents (76.1 years);

**TABLE 2D-1
AVERAGE AND MEDIUM AGE AT DEATH FROM ALL CAUSES BY GENDER AND RACE/ETHNICITY, ARIZONA, 2011-2021**

| Year | Gender | Race/ethnicity | | | | | | | | | | | | | |
|------|---------------|-------------------|--------|--------------------|--------|--------------------|--------|---------------------------|--------|----------------------------------|--------|---------------------------|--------|--|--|
| | | All ethnic groups | | White non-Hispanic | | Hispanic or Latino | | Black or African American | | American Indian or Alaska Native | | Asian or Pacific Islander | | | |
| | | Mean | Median | Mean | Median | Mean | Median | Mean | Median | Mean | Median | Mean | Median | | |
| 2011 | Total | 72.8 | 77.0 | 75.3 | 79.0 | 63.6 | 68.0 | 63.6 | 66.0 | 58.4 | 60.0 | 68.2 | 72.0 | | |
| | Male | 69.7 | 73.0 | 72.5 | 76.0 | 59.8 | 63.0 | 61.0 | 64.0 | 54.4 | 54.0 | 65.6 | 69.0 | | |
| | Female | 76.2 | 81.0 | 78.3 | 82.0 | 68.5 | 75.0 | 66.6 | 69.0 | 63.2 | 67.0 | 70.8 | 75.0 | | |
| 2012 | Total | 72.7 | 77.0 | 75.2 | 78.8 | 63.8 | 68.8 | 62.6 | 65.9 | 57.8 | 59.8 | 68.6 | 73.1 | | |
| | Male | 69.9 | 73.7 | 72.6 | 75.9 | 60.7 | 64.3 | 59.6 | 63.2 | 54.3 | 55.5 | 64.2 | 68.7 | | |
| | Female | 75.9 | 80.6 | 78.1 | 82.1 | 67.8 | 74.7 | 66.0 | 69.6 | 62.0 | 65.0 | 72.3 | 78.5 | | |
| 2013 | Total | 72.5 | 77.0 | 75.2 | 79.0 | 64.3 | 69.0 | 63.1 | 66.0 | 58.3 | 60.0 | 70.9 | 76.0 | | |
| | Male | 69.6 | 74.0 | 72.6 | 76.0 | 60.6 | 64.0 | 59.5 | 63.0 | 54.7 | 55.0 | 68.4 | 73.0 | | |
| | Female | 75.8 | 81.0 | 78.0 | 82.0 | 68.6 | 75.0 | 67.7 | 73.0 | 63.1 | 67.0 | 73.3 | 78.0 | | |
| 2014 | Total | 72.7 | 76.0 | 75.1 | 78.0 | 64.7 | 69.0 | 62.7 | 65.0 | 59.3 | 61.0 | 70.3 | 74.0 | | |
| | Male | 70.0 | 73.0 | 72.6 | 75.0 | 61.7 | 65.0 | 60.5 | 63.0 | 55.7 | 57.0 | 66.2 | 71.0 | | |
| | Female | 75.8 | 80.0 | 77.9 | 81.0 | 68.4 | 74.0 | 65.3 | 67.0 | 63.8 | 66.0 | 74.1 | 79.0 | | |
| 2015 | Total | 72.5 | 76.0 | 74.9 | 78.0 | 64.8 | 69.0 | 62.8 | 66.0 | 58.5 | 60.0 | 70.0 | 75.0 | | |
| | Male | 69.9 | 73.0 | 72.5 | 75.0 | 61.7 | 66.0 | 60.4 | 64.0 | 55.0 | 56.0 | 67.3 | 71.0 | | |
| | Female | 75.5 | 79.0 | 77.5 | 81.0 | 68.7 | 74.0 | 65.9 | 69.0 | 62.9 | 66.0 | 72.6 | 77.0 | | |
| 2016 | Total | 72.9 | 76.0 | 75.4 | 78.0 | 65.0 | 69.0 | 63.4 | 66.0 | 58.9 | 60.0 | 69.2 | 74.0 | | |
| | Male | 70.3 | 73.0 | 73.2 | 75.0 | 61.9 | 65.0 | 60.3 | 63.0 | 55.8 | 56.0 | 65.1 | 69.5 | | |
| | Female | 75.9 | 79.0 | 78.0 | 81.0 | 69.1 | 75.0 | 67.6 | 71.0 | 63.3 | 66.0 | 72.9 | 78.0 | | |
| 2017 | Total | 72.6 | 76.0 | 75.2 | 78.0 | 64.9 | 69.0 | 62.7 | 65.0 | 58.9 | 61.0 | 70.3 | 75.0 | | |
| | Male | 69.9 | 73.0 | 72.8 | 76.0 | 61.5 | 65.0 | 58.7 | 62.0 | 55.7 | 57.0 | 67.6 | 72.0 | | |
| | Female | 75.8 | 79.0 | 77.9 | 81.0 | 69.3 | 75.0 | 67.8 | 69.0 | 63.1 | 67.0 | 72.7 | 77.0 | | |
| 2018 | Total | 72.5 | 76.0 | 75.2 | 78.0 | 65.2 | 70.0 | 63.5 | 67.0 | 58.2 | 60.0 | 71.2 | 75.0 | | |
| | Male | 69.7 | 73.0 | 72.8 | 76.0 | 61.4 | 65.0 | 60.2 | 63.0 | 54.7 | 56.0 | 68.3 | 72.0 | | |
| | Female | 75.9 | 80.0 | 77.9 | 81.0 | 70.2 | 76.0 | 67.3 | 70.0 | 62.9 | 66.0 | 73.8 | 78.0 | | |
| 2019 | Total | 72.5 | 76.0 | 75.3 | 78.0 | 65.0 | 70.0 | 62.3 | 66.0 | 59.7 | 62.0 | 69.9 | 74.0 | | |
| | Male | 69.8 | 74.0 | 72.9 | 76.0 | 61.1 | 65.0 | 59.9 | 65.0 | 56.5 | 58.0 | 66.5 | 71.0 | | |
| | Female | 75.7 | 79.0 | 78.0 | 81.0 | 70.0 | 75.0 | 65.1 | 68.0 | 63.8 | 67.0 | 73.5 | 77.0 | | |
| 2020 | Total | 72.1 | 76.0 | 75.3 | 78.0 | 65.4 | 69.0 | 62.1 | 65.0 | 60.2 | 62.0 | 72.0 | 76.0 | | |
| | Male | 69.5 | 73.0 | 73.0 | 76.0 | 62.1 | 66.0 | 59.3 | 63.0 | 57.4 | 59.0 | 68.0 | 72.0 | | |
| | Female | 75.4 | 79.0 | 77.8 | 80.0 | 70.0 | 74.0 | 66.2 | 69.0 | 63.7 | 66.0 | 75.9 | 79.0 | | |
| 2021 | Total | 71.2 | 74.0 | 74.5 | 77.0 | 64.0 | 67.0 | 61.2 | 65.0 | 57.8 | 59.0 | 70.5 | 74.0 | | |
| | Male | 68.8 | 72.0 | 72.5 | 75.0 | 60.9 | 64.0 | 58.6 | 62.0 | 54.9 | 56.0 | 67.4 | 71.0 | | |
| | Female | 74.2 | 77.0 | 77.0 | 79.0 | 68.3 | 72.0 | 64.6 | 68.0 | 61.6 | 63.0 | 73.7 | 77.0 | | |

Notes: Average age at death = the arithmetic mean of the ages of Arizonans who died in a given year; Median age at death = the middle of the age distribution; half died at age greater than the median and half at age below the median; The mean is lower than the median in negatively skewed distributions.

**TABLE 2D-2
PERCENT OF DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED
BY GENDER AND RACE/ETHNICITY, ARIZONA, 2011-2021**

| Year/gender | All racial/ethnic groups | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander |
|-------------------------------|---------------------------------|---------------------------|---------------------------|----------------------------------|-----------------------------------------|----------------------------------|
| 2011 Total | 53.8 | 49.6 | 67.4 | 74.4 | 77.7 | 66.3 |
| Male | 61.8 | 57.5 | 75.4 | 80.7 | 84.3 | 71.3 |
| Female | 45.1 | 41.2 | 57.3 | 67.1 | 70.0 | 61.5 |
| 2012 Total | 55.0 | 50.9 | 68.4 | 74.4 | 78.7 | 62.3 |
| Male | 62.3 | 58.1 | 75.7 | 81.6 | 83.9 | 74.2 |
| Female | 46.7 | 43.0 | 59.1 | 66.1 | 72.2 | 51.9 |
| 2013 Total | 54.6 | 50.1 | 67.1 | 72.8 | 76.7 | 58.9 |
| Male | 62.0 | 57.5 | 75.0 | 80.8 | 82.7 | 65.0 |
| Female | 46.2 | 42.1 | 57.7 | 62.4 | 68.9 | 53.2 |
| 2014^a Total | 54.8 | 50.9 | 66.7 | 75.2 | 77.8 | 58.9 |
| Male | 62.0 | 58.0 | 74.1 | 79.7 | 84.1 | 68.9 |
| Female | 46.7 | 43.1 | 57.7 | 69.8 | 69.8 | 49.7 |
| 2015^a Total | 54.9 | 50.9 | 67.4 | 74.1 | 77.4 | 59.9 |
| Male | 61.6 | 57.6 | 73.9 | 78.5 | 83.2 | 66.8 |
| Female | 47.2 | 43.4 | 59.1 | 68.6 | 70.2 | 53.1 |
| 2016 Total | 55.3 | 51.4 | 66.7 | 73.5 | 77.1 | 58.5 |
| Male | 62.1 | 57.9 | 73.4 | 79.9 | 82.4 | 67.3 |
| Female | 47.5 | 44.1 | 57.9 | 64.9 | 69.7 | 50.6 |
| 2017 Total | 55.1 | 50.6 | 67.0 | 75.1 | 77.9 | 58.7 |
| Male | 61.8 | 57.0 | 74.1 | 82.0 | 84.0 | 63.1 |
| Female | 47.3 | 43.3 | 58.0 | 66.1 | 69.9 | 54.7 |
| 2018 Total | 55.1 | 50.8 | 65.6 | 73.3 | 78.8 | 57.7 |
| Male | 62.1 | 57.4 | 73.4 | 80.3 | 83.9 | 64.9 |
| Female | 46.9 | 43.2 | 55.1 | 65.2 | 71.9 | 51.2 |
| 2019 Total | 55.6 | 50.8 | 67.3 | 75.3 | 77.8 | 60.2 |
| Male | 61.9 | 56.9 | 74.7 | 78.8 | 82.8 | 67.7 |
| Female | 48.2 | 43.9 | 57.9 | 71.0 | 71.5 | 52.3 |
| 2020 Total | 52.2 | 46.1 | 65.0 | 72.9 | 75.6 | 51.0 |
| Male | 58.6 | 52.0 | 72.1 | 78.1 | 80.7 | 58.2 |
| Female | 44.5 | 39.3 | 55.0 | 65.3 | 69.1 | 44.2 |
| 2021 Total | 52.7 | 45.9 | 67.2 | 74.0 | 79.1 | 52.8 |
| Male | 58.6 | 51.4 | 73.8 | 79.0 | 84.3 | 59.2 |
| Female | 45.4 | 39.3 | 58.1 | 67.5 | 72.5 | 46.4 |

Note: ^a Based on updated expected years of life at birth for all U.S. residents (76.1 years in 2021).

**TABLE 2D-3
MEDIAN AGE AT DEATH FOR LEADING CAUSES OF MORTALITY BY GENDER, RACE/ETHNICITY, AND
URBAN/RURAL AREAS^a, ARIZONA, 2021**

| | ARIZONA | | | Area/gender | | | | | | Race/ethnicity | | | | |
|------------------------------------------------------------------------|---------|------|--------|-------------|-------|--------|-------------|-------|--------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|
| | Total | Male | Female | Total Urban | Urban | | Total Rural | Rural | | White Non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander |
| | | | | | Male | Female | | Male | Female | | | | | |
| Total, all causes | 74.0 | 72.0 | 77.0 | 75.0 | 72.0 | 78.0 | 74.0 | 72.0 | 77.0 | 77.0 | 67.0 | 65.0 | 59.0 | 74.0 |
| Major cardiovascular diseases | 80.0 | 77.0 | 83.0 | 80.0 | 77.0 | 84.0 | 79.0 | 76.0 | 82.0 | 81.0 | 76.0 | 70.0 | 70.0 | 80.0 |
| Diseases of heart | 80.0 | 77.0 | 84.0 | 80.0 | 77.0 | 84.0 | 79.0 | 76.0 | 83.0 | 81.0 | 75.0 | 68.0 | 69.0 | 80.0 |
| Coronary heart disease | 79.0 | 77.0 | 84.0 | 80.0 | 77.0 | 84.0 | 78.0 | 76.0 | 83.0 | 81.0 | 75.0 | 68.0 | 71.5 | 79.0 |
| Malignant neoplasms | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 74.0 | 74.0 | 73.0 | 74.0 | 69.0 | 68.0 | 68.0 | 71.0 |
| Lung cancer | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 75.0 | 73.0 | 73.0 | 73.0 | 74.0 | 73.0 | 67.0 | 67.0 | 76.0 |
| Prostate cancer | 79.0 | 79.0 | 0.0 | 79.0 | 79.0 | 0.0 | 77.0 | 77.0 | 0.0 | 79.0 | 77.0 | 72.0 | 76.0 | 72.0 |
| Breast cancer | 70.0 | 77.5 | 70.0 | 70.0 | 79.0 | 70.0 | 71.0 | 69.0 | 71.0 | 72.0 | 65.5 | 62.0 | 58.5 | 62.0 |
| Colorectal cancer | 72.0 | 69.0 | 74.0 | 70.0 | 68.0 | 74.0 | 75.0 | 74.0 | 78.0 | 73.0 | 64.0 | 63.5 | 63.0 | 72.0 |
| Malignant melanoma of skin | 74.0 | 74.0 | 75.0 | 75.0 | 75.0 | 74.5 | 71.0 | 69.5 | 78.0 | 74.0 | 74.5 | 71.0 | 52.0 | 0.0 |
| Cerebrovascular diseases | 80.0 | 77.0 | 83.0 | 81.0 | 78.0 | 83.0 | 79.0 | 77.0 | 81.0 | 82.0 | 77.0 | 73.0 | 71.5 | 79.0 |
| Chronic lower respiratory diseases | 78.0 | 77.0 | 79.0 | 78.0 | 77.0 | 79.0 | 77.0 | 77.0 | 78.0 | 78.0 | 78.0 | 74.0 | 77.0 | 81.0 |
| Accidents (unintentional injuries) | 50.0 | 46.0 | 57.0 | 49.0 | 45.0 | 57.0 | 54.0 | 53.0 | 58.0 | 58.0 | 38.0 | 39.0 | 39.0 | 51.5 |
| Motor vehicle accidents | 42.0 | 43.0 | 41.0 | 42.0 | 43.0 | 40.0 | 44.0 | 44.5 | 42.0 | 52.0 | 34.0 | 34.0 | 35.0 | 50.0 |
| Falls | 83.0 | 80.0 | 85.0 | 83.0 | 81.0 | 85.0 | 80.0 | 78.0 | 82.5 | 84.0 | 77.5 | 76.0 | 66.0 | 82.5 |
| Accidental poisoning | 39.0 | 39.0 | 41.0 | 39.0 | 38.0 | 41.0 | 39.0 | 39.0 | 39.0 | 42.0 | 35.0 | 38.0 | 38.0 | 36.5 |
| Accidental drowning | 35.0 | 30.0 | 46.0 | 28.0 | 27.5 | 41.0 | 36.0 | 35.0 | 55.0 | 48.0 | 21.0 | 10.5 | 36.0 | 39.0 |
| Influenza and pneumonia | 76.0 | 74.0 | 77.0 | 76.0 | 75.0 | 78.0 | 74.5 | 74.0 | 76.0 | 78.0 | 70.0 | 70.0 | 66.0 | 70.0 |
| COVID-19 | 71.0 | 71.0 | 72.0 | 71.0 | 70.0 | 72.0 | 72.0 | 72.0 | 72.0 | 75.0 | 66.0 | 65.0 | 62.0 | 70.0 |
| Alzheimer's disease | 86.0 | 85.0 | 87.0 | 86.0 | 85.0 | 87.0 | 86.0 | 85.0 | 87.0 | 86.0 | 86.5 | 84.0 | 88.0 | 86.0 |
| Diabetes | 72.0 | 70.0 | 73.0 | 71.0 | 70.0 | 73.0 | 73.0 | 71.0 | 74.5 | 73.0 | 70.0 | 68.0 | 66.0 | 76.0 |
| Intentional self-harm (suicide) | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 46.0 | 47.5 | 48.0 | 41.5 | 53.0 | 33.0 | 31.0 | 29.0 | 44.0 |
| Chronic liver disease and cirrhosis | 58.0 | 59.0 | 58.0 | 59.0 | 59.0 | 59.0 | 56.0 | 57.0 | 55.5 | 62.0 | 58.0 | 59.0 | 47.0 | 61.0 |
| Nephritis, nephrotic syndrome and nephrosis | 77.0 | 76.0 | 77.0 | 76.0 | 76.0 | 77.0 | 77.0 | 76.0 | 78.0 | 79.0 | 73.0 | 69.0 | 67.0 | 75.0 |
| Septicemia | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 73.0 | 69.0 | 70.0 | 65.0 | 71.0 |
| Assault (homicide) | 32.0 | 31.0 | 34.0 | 31.0 | 31.0 | 33.0 | 39.0 | 39.0 | 41.0 | 38.0 | 29.0 | 31.0 | 33.0 | 35.0 |
| Parkinson's disease | 82.0 | 81.0 | 83.0 | 82.0 | 81.0 | 83.0 | 81.0 | 81.0 | 83.0 | 82.0 | 82.5 | 83.0 | 78.5 | 82.0 |
| Essential (primary) hypertension and hypertensive renal disease | 80.0 | 76.0 | 83.0 | 81.0 | 78.0 | 83.0 | 78.0 | 74.0 | 81.5 | 81.0 | 80.0 | 70.0 | 69.0 | 83.0 |
| Human immunodeficiency virus (HIV) disease | 51.5 | 50.5 | 59.0 | 52.0 | 51.0 | 57.0 | 51.5 | 49.0 | 63.0 | 54.0 | 51.0 | 53.0 | 47.0 | 47.0 |
| Injury by firearms | 40.5 | 40.0 | 41.0 | 38.0 | 38.0 | 39.0 | 53.0 | 53.0 | 52.5 | 53.0 | 29.0 | 32.0 | 32.0 | 34.5 |
| Drug-induced deaths | 40.0 | 39.0 | 42.0 | 40.0 | 39.0 | 43.0 | 39.0 | 39.0 | 40.0 | 43.0 | 35.0 | 39.0 | 36.0 | 39.0 |
| Opioid-induced deaths | 36.0 | 35.0 | 39.0 | 37.0 | 35.0 | 40.0 | 35.0 | 34.0 | 36.0 | 39.0 | 32.5 | 36.0 | 34.0 | 34.0 |
| Alcohol-induced deaths | 55.0 | 55.0 | 53.5 | 55.0 | 56.0 | 54.0 | 54.0 | 54.0 | 52.0 | 58.0 | 54.0 | 52.0 | 45.5 | 47.0 |

Notes: ^a Urban = Maricopa, Pima, Pinal, and Yuma counties; median age at death = the middle of the age distribution; half died at age greater than the median and half at age below the median.

**TABLE 2D-4
PERCENT DEATHS BEFORE EXPECTED^a YEARS OF LIFE REACHED FOR THE LEADING CAUSES OF MORTALITY BY
GENDER, RACE/ETHNICITY, AND URBAN/RURAL AREAS^b, ARIZONA, 2021**

| | ARIZONA | | | | | Area/gender | | | | | Race/ethnicity | | | | | | |
|------------------------------------------------------------------------|---------|--------|--------|--------|--------|-------------|--------|--------|------------|--------------|----------------|--------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|
| | Total | Male | Female | Total | Urban | Urban | Male | Female | Total | Rural | Male | Female | White Non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander |
| | | | | | | Male | Female | Rural | Rural Male | Rural Female | | | | | | | |
| Total, all causes | 52.7% | 58.6% | 45.4% | 52.2% | 58.3% | 44.9% | 54.2% | 59.4% | 47.1% | 45.9% | 67.2% | 74.0% | 79.1% | 52.8% | | | |
| Major cardiovascular diseases | 38.5% | 46.4% | 28.9% | 37.8% | 45.8% | 28.4% | 40.7% | 48.1% | 30.4% | 34.4% | 49.6% | 66.1% | 62.2% | 35.3% | | | |
| Diseases of heart | 38.8% | 46.3% | 28.6% | 38.2% | 45.6% | 28.5% | 40.6% | 48.3% | 28.7% | 34.7% | 51.9% | 68.3% | 63.7% | 34.6% | | | |
| Coronary heart disease | 39.4% | 46.8% | 28.1% | 38.7% | 46.0% | 27.7% | 41.7% | 49.2% | 29.0% | 35.8% | 50.7% | 66.4% | 59.5% | 39.4% | | | |
| Malignant neoplasms | 57.6% | 57.4% | 57.9% | 57.7% | 57.6% | 57.8% | 57.0% | 56.3% | 57.9% | 54.2% | 70.3% | 71.5% | 70.9% | 64.5% | | | |
| Lung cancer | 55.9% | 57.3% | 54.5% | 54.2% | 56.3% | 52.1% | 62.1% | 60.6% | 64.1% | 54.7% | 60.7% | 76.1% | 75.0% | 49.0% | | | |
| Colorectal cancer | 60.4% | 66.5% | 53.0% | 62.3% | 68.6% | 54.6% | 52.8% | 58.0% | 46.3% | 56.4% | 72.5% | 75.0% | 76.2% | 61.5% | | | |
| Breast cancer | 65.5% | 43.8% | 65.9% | 65.6% | 27.3% | 66.1% | 64.7% | 80.0% | 64.3% | 61.1% | 74.6% | 79.6% | 92.9% | 79.3% | | | |
| Prostate cancer | 38.6% | 38.6% | 0.0% | 37.5% | 37.5% | 0.0% | 43.3% | 43.3% | 0.0% | 35.0% | 47.5% | 63.0% | 50.0% | 60.0% | | | |
| Malignant melanoma of skin | 55.5% | 56.9% | 53.1% | 53.8% | 53.4% | 54.4% | 63.6% | 75.0% | 46.2% | 55.0% | 57.1% | 100.0% | 66.7% | 0.0% | | | |
| Accidents (unintentional injuries) | 81.2% | 86.6% | 69.9% | 80.9% | 86.7% | 68.9% | 81.5% | 85.3% | 73.1% | 73.2% | 92.0% | 94.2% | 94.9% | 75.6% | | | |
| Accidental poisoning | 99.5% | 99.5% | 99.6% | 99.6% | 99.6% | 99.7% | 98.9% | 98.9% | 98.9% | 99.3% | 99.9% | 99.5% | 99.6% | 100.0% | | | |
| Falls | 28.9% | 36.7% | 21.4% | 26.9% | 33.7% | 20.9% | 36.7% | 46.3% | 24.5% | 24.2% | 44.6% | 46.7% | 68.9% | 34.6% | | | |
| Motor vehicle accidents | 92.9% | 93.7% | 91.1% | 92.7% | 93.3% | 91.1% | 93.9% | 95.1% | 91.3% | 89.3% | 96.0% | 97.7% | 98.4% | 84.2% | | | |
| Accidental drowning | 87.8% | 89.2% | 84.4% | 89.0% | 90.9% | 84.0% | 78.9% | 76.9% | 83.3% | 82.0% | 92.6% | 92.9% | 100.0% | 100.0% | | | |
| Chronic lower respiratory diseases | 40.5% | 43.4% | 38.0% | 40.1% | 43.1% | 37.4% | 41.7% | 44.0% | 39.6% | 39.6% | 44.2% | 58.8% | 45.7% | 30.3% | | | |
| Alzheimer's disease | 11.4% | 12.9% | 10.6% | 11.4% | 13.6% | 10.4% | 10.6% | 9.2% | 11.3% | 11.0% | 9.6% | 27.0% | 22.0% | 11.9% | | | |
| Cerebrovascular diseases | 35.8% | 44.1% | 28.9% | 35.3% | 44.1% | 28.1% | 37.6% | 43.5% | 32.3% | 31.1% | 46.1% | 59.4% | 54.3% | 38.8% | | | |
| Diabetes | 62.1% | 66.1% | 56.9% | 62.2% | 66.0% | 57.3% | 61.8% | 66.7% | 55.1% | 57.3% | 65.4% | 71.8% | 78.5% | 49.4% | | | |
| Intentional self-harm (suicide) | 89.8% | 88.9% | 93.5% | 90.3% | 89.8% | 92.0% | 88.3% | 86.1% | 98.5% | 86.7% | 96.0% | 100.0% | 100.0% | 93.1% | | | |
| Chronic liver disease and cirrhosis | 89.7% | 90.1% | 89.2% | 88.4% | 89.0% | 87.4% | 92.6% | 92.3% | 93.1% | 85.7% | 91.4% | 90.2% | 98.0% | 92.3% | | | |
| Essential (primary) hypertension and hypertensive renal disease | 37.8% | 47.8% | 28.8% | 36.2% | 45.9% | 27.8% | 44.7% | 55.3% | 33.3% | 33.6% | 37.6% | 67.6% | 65.3% | 32.1% | | | |
| Influenza and pneumonia | 49.8% | 53.9% | 44.1% | 49.0% | 53.4% | 42.6% | 51.9% | 54.7% | 48.3% | 42.9% | 64.1% | 62.2% | 72.5% | 63.6% | | | |
| COVID-19 | 62.6% | 64.6% | 59.6% | 62.8% | 64.9% | 59.7% | 61.9% | 63.5% | 59.5% | 53.4% | 75.0% | 76.0% | 78.7% | 63.3% | | | |
| Parkinson's disease | 24.1% | 26.2% | 20.3% | 23.7% | 25.3% | 20.8% | 26.0% | 30.3% | 17.6% | 23.9% | 22.4% | 30.8% | 30.0% | 23.8% | | | |
| Nephritis, nephrotic syndrome and nephrosis | 48.0% | 48.7% | 47.2% | 47.9% | 48.5% | 47.2% | 48.5% | 49.6% | 47.1% | 38.2% | 60.3% | 69.4% | 83.3% | 52.6% | | | |
| Septicemia | 62.6% | 63.1% | 62.1% | 61.1% | 60.7% | 61.5% | 66.0% | 69.2% | 62.2% | 59.0% | 69.8% | 79.2% | 73.0% | 66.7% | | | |
| Assault (homicide) | 99.1% | 99.3% | 98.0% | 99.4% | 99.3% | 100.0% | 97.3% | 100.0% | 88.9% | 97.9% | 99.5% | 100.0% | 98.6% | 100.0% | | | |
| Human immunodeficiency virus (HIV) disease | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | | | |
| Injury by firearms | 90.8% | 89.9% | 96.2% | 92.4% | 91.8% | 96.0% | 84.2% | 82.1% | 97.2% | 85.7% | 97.5% | 100.0% | 100.0% | 100.0% | | | |
| Drug-induced deaths | 98.9% | 99.2% | 98.1% | 98.8% | 99.2% | 97.9% | 99.2% | 99.3% | 99.1% | 98.4% | 99.6% | 99.6% | 100.0% | 93.1% | | | |
| Opioid-induced deaths | 99.3% | 99.7% | 98.3% | 99.3% | 99.7% | 98.3% | 99.6% | 100.0% | 98.7% | 98.9% | 100.0% | 100.0% | 100.0% | 95.0% | | | |
| Alcohol-induced deaths | 95.1% | 94.7% | 96.0% | 94.9% | 94.8% | 95.2% | 95.5% | 94.6% | 97.5% | 93.0% | 97.9% | 97.7% | 98.0% | 100.0% | | | |

Notes: ^a Expected years of life at birth for all U.S. residents (76.1 years in 2021); ^b Urban = Maricopa, Pima, Pinal, and Yuma counties.

CHAPTER 3

REPORTABLE DISEASES, ARIZONA, 2011-2021

3A. NON-SEXUALLY TRANSMITTED DISEASES

3B. SEXUALLY TRANSMITTED DISEASES

**3C. HUMAN IMMUNODEFICIENCY VIRUS (HIV)
DISEASE AND ACQUIRED IMMUNODEFICIENCY
SYNDROME (AIDS)**



3A.

NON-SEXUALLY TRANSMITTED DISEASES

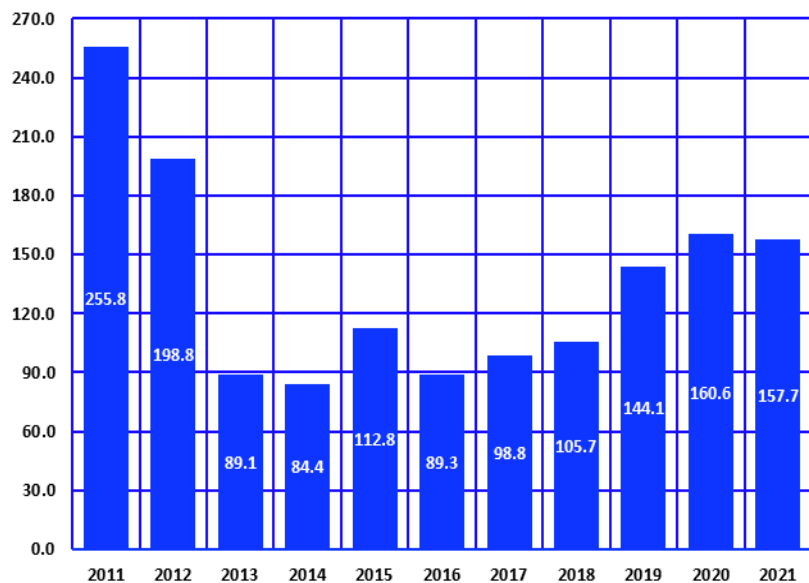
The infectious diseases designated as notifiable vary slightly by state. A notifiable disease is one for which regular, frequent, and timely information regarding individual cases is considered necessary for the prevention and control of the disease. All states generally report the internationally quarantinable diseases (i.e., cholera or plague) in compliance with the World Health Organization's International Health Regulations.

Data on morbidity, levels of disease, and disability in the Arizona population are obtained for certain infectious diseases that must be reported by law. The Bureau of Infectious Disease and Services conducts surveillance and monitoring of these reportable diseases and it provided data for the respective sections of this chapter and sections 5F, 6A, and 6B.

This section provides some illustrative findings from the tabulated data. It is not intended to be an exhaustive analysis of the incidence of infectious diseases in the State. There is more information available online on the website for Infectious Disease Services at: <http://azdhs.gov/phs/oids/index.htm>.

3A. NON-SEXUALLY TRANSMITTED DISEASES

Figure 3A-1
Trends in the Incidence Rates^a of Valley Fever (Coccidioidomycosis) by Year, Arizona, 2011-2021

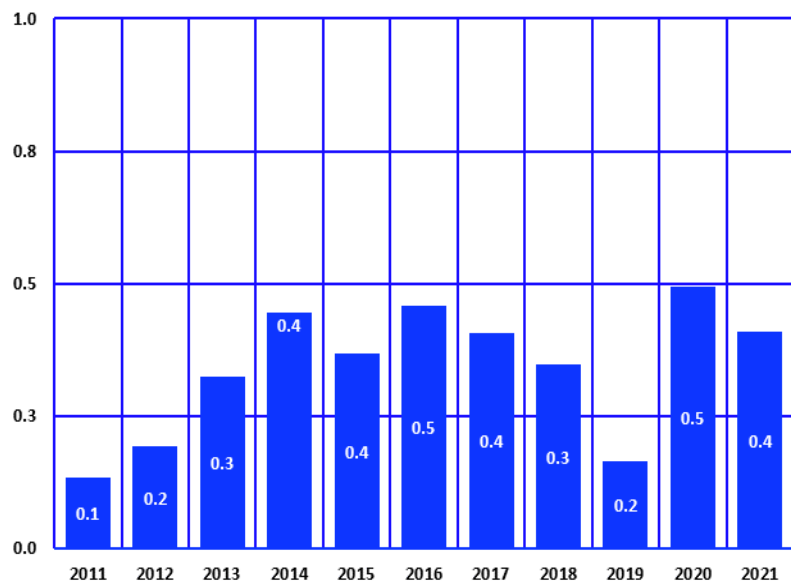


Note: ^a Number of cases per 100,000 population.

Coccidioidomycosis or *Valley Fever* is a fungal infection caused by inhalation of airborne spores that are present in the soil of southwestern United States, California, and parts of Central and South America. Most infections are asymptomatic or self-limited in patients with healthy immune systems. In rare instances, severe lung disease or disseminated infection can develop in patients.

Valley Fever imposed the greatest burden on morbidity among all non-sexually transmitted, notifiable diseases in Arizona in 2021. The reported incidence of Valley Fever decreased 0.3 percent from 2020 (n=11,523) to (n=11,489) in 2021. The 2021 incidence rate of 157.7/100,000 (**Figure 3A-1, Table 5F-2**) was 1.8 percent lower than the incidence rate of 160.6/100,000 in 2020, but was 38.4 percent lower than the unprecedented incidence rate of 255.8/100,000 in 2011.

Figure 3A-2
Trends in Case Fatality Rates^a for Valley Fever (Coccidioidomycosis) by Year, Arizona, 2011-2021



Note: ^a Number of deaths per 100 reported cases.

Forty-seven of the 11,489 Arizonans who had *Valley Fever* in 2021 died from it (**Table 3A-2**) for a case fatality rate of 0.4 deaths per 100 cases (**Figure 3A-2**). The 2021 case fatality rate for *Coccidioidomycosis* was 206.3 percent higher than in 2011.

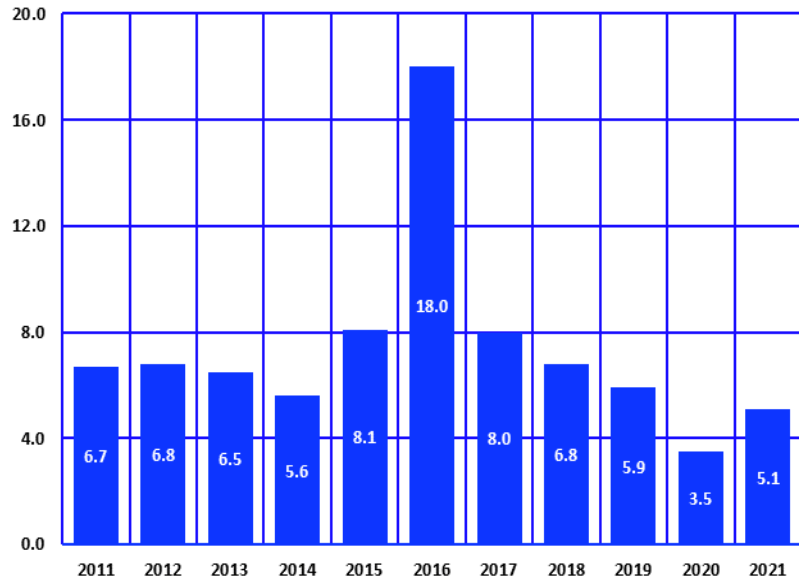
3A. NON-SEXUALLY TRANSMITTED DISEASES

Figure 3A-3
Trends in the Incidence Rates^a of Shigellosis by Year, Arizona, 2011-2021

Shigellosis is an infectious disease caused by a group of bacteria called *Shigella* that can cause diarrhea in humans. To spread from one person to another, *Shigellae* can be transmitted through contaminated foods, sexual contact, and water used for drinking or recreational purposes.

From 2011–2021, *shigellosis* was the third most common enteric disease to afflict Arizonans after *campylobacteriosis* and *salmonellosis* (Table 3A-1).

The number of reported cases of *shigellosis* has increased by 122 cases from 253 in 2020 to 375 in 2021. Compared to 2020, the incidence rate of *shigellosis* was 46.0 percent higher at approximately 4 reported cases/100,000 population in 2021 (Figure 3A-3).

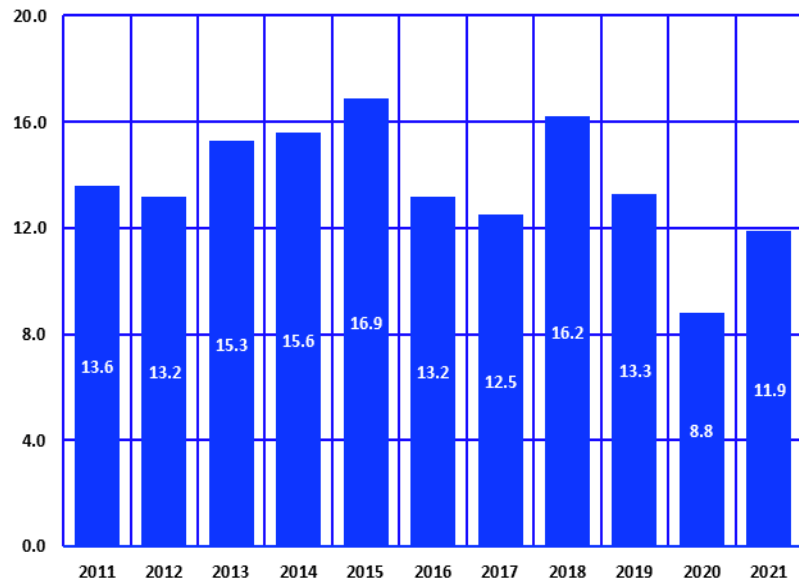


Note: ^a Number of reported cases per 100,000 population.

Figure 3A-4
Trends in the Incidence Rates^a of Salmonellosis^b by Year, Arizona, 2011-2021

Salmonellosis is a bacterial infection. Most of those who are infected with *Salmonella* develop diarrhea, fever, and abdominal cramps.

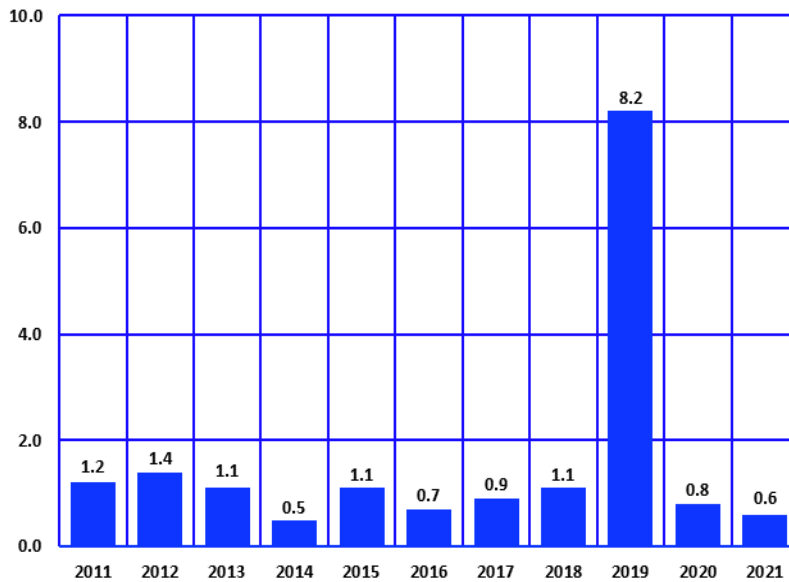
The incidence rate of *salmonellosis* increased 35.2 percent from 8.8/100,000 in 2020 to 11.9/100,000 in 2021 (Figure 3A-4). The risk of *salmonellosis* was substantially higher in Navajo (43.6/100,000), Greenlee (31.3/100,000), Graham (30.7/100,000), Santa Cruz (24.8/100,000), Apache (24.1/100,000), and Pima (21.0/100,000), than the remaining counties (Table 5F-2).



Notes: ^a Number of reported cases per 100,000 population; ^b Excluding *S. Typhi* and *S. Paratyphi*.

3A. NON-SEXUALLY TRANSMITTED DISEASES

Figure 3A-5
Trends in the Incidence Rates^a of Hepatitis A by Year,
Arizona, 2011-2021

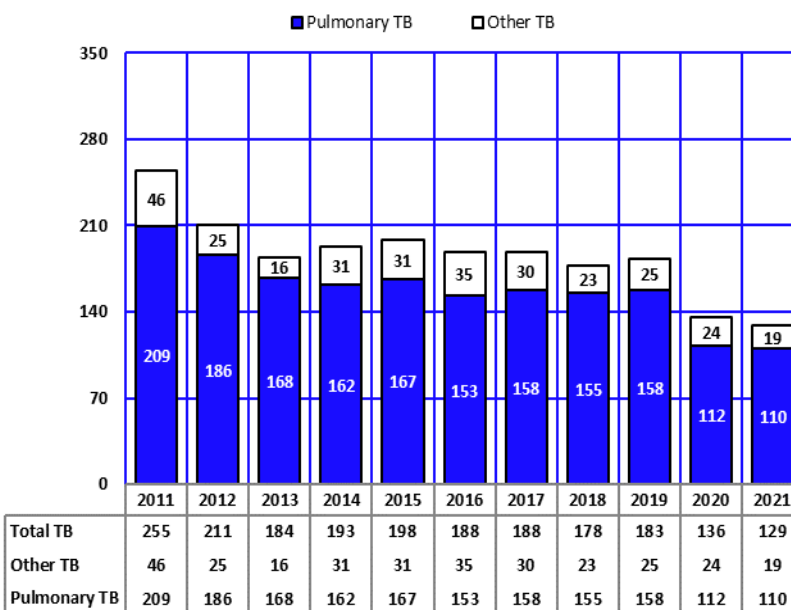


Note: ^a Number of reported cases per 100,000 population.

Hepatitis A is a liver disease caused by the *hepatitis A* virus. During 1995-1996, highly effective *hepatitis A* vaccines became available in the United States. Routine childhood vaccination for *hepatitis A* was recommended in 1999. The expansion of recommendations for routine *hepatitis A* vaccination to include all children in the United States aged 12-23 months is likely to reduce hepatitis rates further.

In Arizona, the incidence rate of *hepatitis A* was 0.6/100,000 in 2021. The highest rate recorded during the 2011-2021 period was 8.2 in 2019. The 2021 incidence rate was approximately 13 times lower than the 2019 rate (8.2/100,000; **Figure 3A-5**).

Figure 3A-6
Trends in the Incidence of Pulmonary Tuberculosis and Total Tuberculosis^a
by Year, Arizona, 2011-2021



Note: ^a Number of reported cases by year.

Tuberculosis (TB) is an infectious disease that usually attacks the lungs, but can attack almost any part of the body. Tuberculosis is spread from person to person through the air.

The number of reported cases of *pulmonary tuberculosis* decreased from 112 cases in 2020 to 110 reported cases in 2021. The number of reported cases of tuberculosis other than pulmonary decreased from 24 in 2020 to 19 in 2021 cases (**Figure 3A-6, Table 3A-1**). The incidence rate of *total* tuberculosis decreased slightly from 2020 1.9/100,000 to 1.8/100,000 in 2021 (**Table 5F-2**).

Pulmonary tuberculosis accounted for 85.3 percent of all tuberculosis infections in 2021 (**Table 3A-1**). Sixteen Arizonans who had *tuberculosis* died from it in 2021, a slight increase from 15 in 2020 (**Table 3A-2**).

**TABLE 3A-1
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY, ARIZONA, 2011-2021**

| Disease | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------------------------------------------|--------|--------|---------|-------|-------|-------|-------|-------|--------|--------|--------|
| Vaccine Preventable | | | | | | | | | | | |
| Measles | * | * | * | * | 7 | 31 | 0 | 0 | * | 0 | 0 |
| Mumps | 0 | * | * | 12 | * | 7 | 34 | 15 | 103 | 10 | * |
| Pertussis | 867 | 1,130 | 1,440 | 517 | 580 | 287 | 420 | 239 | 379 | 331 | 188 |
| Pertussis confirmed cases | (160) | (575) | (1,068) | (287) | (341) | (154) | (262) | (135) | (207) | (189) | (82) |
| Rubella | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 |
| Congenital Rubella Syndrome | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Haemophilus influenzae</i> type b (invasive, age < 5 years) | * | * | * | 0 | * | * | * | * | * | 0 | * |
| Tetanus | * | 0 | 0 | 0 | * | * | 0 | 0 | * | 0 | * |
| Varicella (chickenpox) | 660 | 535 | 354 | 300 | 270 | 279 | 189 | 245 | 307 | 72 | 98 |
| Central Nervous System | | | | | | | | | | | |
| Aseptic Meningitis | 400 | 453 | 343 | 288 | 189 | 146 | 81 | N/A | N/A | N/A | N/A |
| Meningococcal Disease | 16 | 6 | 12 | 9 | * | * | * | * | * | * | * |
| Viral Encephalitis | 6 | * | * | * | * | * | * | * | 16 | * | 34 |
| Enteritides | | | | | | | | | | | |
| Amebiasis | 21 | 17 | 21 | 24 | * | 6 | 16 | 21 | 20 | 12 | 19 |
| Campylobacteriosis | 939 | 940 | 846 | 939 | 1,379 | 1,241 | 1,372 | 1,269 | 1,615 | 1,050 | 1,634 |
| Cholera | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 |
| Cryptosporidiosis | 46 | 47 | 42 | 46 | 62 | 549 | 112 | 203 | 143 | 80 | 110 |
| <i>E. coli</i> O157:H7 | 126 | 141 | 246 | 98 | 128 | 148 | 166 | 296 | 297 | 186 | 280 |
| Giardiasis | 133 | 113 | 115 | 119 | 143 | 125 | 145 | 149 | 143 | 84 | 91 |
| Salmonellosis (excl. <i>S. Typhi</i> & <i>S. Paratyphi</i>) | 877 | 857 | 1,007 | 1,040 | 1,143 | 899 | 874 | 1,149 | 954 | 631 | 868 |
| <i>Salmonella</i> Paratyphi A | * | 0 | * | * | * | * | * | * | * | * | 0 |
| <i>Salmonella</i> Paratyphi B | 7 | * | * | * | 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Salmonella</i> Paratyphi C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shigellosis | 434 | 444 | 428 | 376 | 549 | 1,231 | 555 | 478 | 426 | 253 | 375 |
| Typhoid Fever | * | 7 | 12 | * | * | 9 | * | 9 | 7 | * | 7 |
| Mycosis | | | | | | | | | | | |
| Coccidioidomycosis (Valley Fever) | 16,472 | 12,920 | 5,861 | 5,624 | 7,622 | 6,101 | 6,885 | 7,478 | 10,358 | 11,523 | 11,489 |
| Hepatitides | | | | | | | | | | | |
| Hepatitis A | 77 | 93 | 73 | 35 | 72 | 46 | 61 | 80 | 590 | 59 | 45 |
| Hepatitis B (acute) | 185 | 104 | 50 | 38 | 43 | 16 | 41 | 30 | 49 | 33 | 25 |
| Hepatitis D | 0 | 0 | 0 | * | 0 | 0 | 0 | * | 0 | 0 | * |
| Hepatitis E | 0 | 0 | 0 | * | 0 | 0 | * | 0 | * | * | * |
| Tuberculosis | | | | | | | | | | | |
| Pulmonary TB | 209 | 186 | 168 | 162 | 167 | 153 | 158 | 155 | 158 | 112 | 110 |
| Total TB | 255 | 211 | 184 | 193 | 198 | 188 | 188 | 178 | 183 | 136 | 129 |

TABLE 3A-1 (continued)
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY, ARIZONA, 2011-2021

| Disease | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Zoonoses/Vector-borne | | | | | | | | | | | |
| Brucellosis | * | * | * | 6 | * | * | 8 | * | * | 6 | * |
| Colorado Tick Fever | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 |
| Dengue | * | 10 | * | 91 | 24 | 14 | * | 10 | 18 | * | 8 |
| Ehrlichiosis | * | * | * | * | * | * | * | * | * | 0 | * |
| Hantavirus Pulmonary Syndrome | * | * | * | * | * | * | * | 0 | 0 | * | 0 |
| Human Rabies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lyme Disease | 15 | 13 | 32 | 21 | 12 | 13 | 28 | 7 | 10 | * | * |
| Malaria | 21 | 19 | 33 | 25 | 14 | 38 | 26 | 24 | 30 | 12 | 26 |
| Plague | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 |
| Relapsing Fever, Tick-borne | * | * | * | 12 | * | * | * | * | * | 0 | 0 |
| Rocky Mountain Spotted Fever | 77 | 50 | 63 | 16 | 17 | 23 | 27 | 38 | 48 | 35 | 16 |
| St. Louis Encephalitis | 0 | 0 | 0 | * | 23 | 0 | 6 | 0 | 9 | 6 | 12 |
| Tularemia | 0 | 0 | 0 | 0 | * | * | * | 0 | * | * | 0 |
| West Nile Virus | 69 | 135 | 62 | 108 | 103 | 78 | 110 | 27 | 174 | 11 | 1,710 |
| Other | | | | | | | | | | | |
| Botulism | * | 12 | * | * | * | * | * | 12 | * | 7 | * |
| Legionellosis | 46 | 44 | 69 | 59 | 93 | 76 | 74 | 83 | 93 | 90 | 112 |
| Listeriosis | 8 | 14 | * | 14 | * | 6 | 8 | 6 | 13 | 7 | 9 |
| Methicillin Resistant <i>S. aureus</i> (invasive) | 1,196 | 1,089 | 1,066 | 1,178 | 1,155 | 1,265 | 1,355 | 1,529 | 1,467 | 1,681 | 1,498 |
| Streptococcal-Group A (invasive) | 206 | 199 | 231 | 250 | 351 | 555 | 614 | 758 | 790 | 805 | 966 |
| Streptococcal-Group B (invasive, age <90 d) | 39 | 57 | 35 | 41 | 61 | 60 | 63 | 40 | 44 | 37 | 28 |
| <i>Streptococcus pneumoniae</i> (invasive) | 767 | 661 | 786 | 724 | 678 | 716 | 707 | 862 | 740 | 668 | 798 |
| Toxic Shock Syndrome | * | * | * | 6 | * | * | 0 | * | 0 | * | 0 |
| <i>Vibrio</i> spp. (except toxogenic <i>V.cholerae</i>) | 26 | 29 | 19 | 36 | 33 | 19 | 25 | 54 | 52 | 34 | 51 |
| Yersiniosis (except <i>Y. pestis</i>) | 6 | 10 | 9 | * | 12 | 14 | 20 | 11 | 58 | 53 | 72 |

Notes: * Cell suppressed due to non-zero count less than 6; Non-resident cases have been excluded. Only incident cases are reported. Cases are counted by date reported to public health. Case counts include both probable and confirmed cases unless otherwise indicated. *E. coli* has included both *E. coli* O157:H7 and Shiga-toxin positive *E. coli* since October 2004. *Haemophilus influenzae* type B includes all invasive *H. influenzae* B, not just meningitis, as of 1995. Meningococcal disease includes all invasive disease caused by *Neisseria meningitidis*, not just meningitis. Animal rabies cases are not included. Reported coxioidomycosis cases were elevated from June 2009 through December 2012 and then declined in 2013 due to changes in reporting practices and laboratory testing from a major commercial laboratory. A change in the criteria for counting Lyme disease in 2013 may account for the increase in cases in that year. Aseptic meningitis and Reyes syndrome ceased being reportable in January 2018. For additional statistics on these diseases, please see: <https://azdhs.gov/preparedness/epidemiology-disease-control/index.php#data-stats>

Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services.

**TABLE 3A-2
NUMBER OF DEATHS FROM SELECTED NOTIFIABLE DISEASES BY CATEGORY AND YEAR,
ARIZONA, 2011-2021**

| ICD-9/ICD-10 codes | Disease | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------------------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| VACCINE PREVENTABLE | | | | | | | | | | | | |
| 055/B05 | Measles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 072/B26 | Mumps | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 |
| 033/A37 | Whooping cough (pertussis) | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 |
| 056/B06 | Rubella | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 052/B01 | Chickenpox | * | * | 0 | * | 0 | 0 | 0 | * | * | 0 | 0 |
| CENTRAL NERVOUS SYSTEM | | | | | | | | | | | | |
| 047.9/G03.0 | Aseptic meningitis | * | * | 0 | 0 | * | 0 | * | * | 0 | * | * |
| 036/A39 | Meningococcal infections | * | * | * | * | 0 | 0 | 0 | 0 | * | 0 | 0 |
| 049.9/A86 | Viral encephalitis | 6 | * | * | * | * | * | * | * | * | * | 6 |
| ENTERITIDES (FOODBORNE) | | | | | | | | | | | | |
| 006/A06 | Amebiasis | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 007.1/A07.1 | Giardiasis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 003/A02 | Salmonellosis (except typhoid) | * | 0 | 0 | * | * | * | * | * | * | * | * |
| 004/A03 | Shigellosis | 0 | 0 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 |
| 002/A01 | Typhoid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MYCOSIS | | | | | | | | | | | | |
| 114/B38 | Coccidioidomycosis (Valley Fever) | 22 | 25 | 19 | 25 | 28 | 28 | 28 | 26 | 17 | 57 | 47 |
| HEPATITIDES | | | | | | | | | | | | |
| 070.0-070.1/B15 | Hepatitis A | 0 | * | * | * | 0 | 0 | 0 | 0 | 6 | 0 | * |
| 070.2-070.3/B16 | Hepatitis B | 9 | 12 | 9 | 8 | 8 | 10 | * | 6 | 6 | * | * |
| 070.4-070.5/B17-B18 | Other viral hepatitis | 209 | 274 | 265 | 248 | 257 | 207 | 191 | 133 | 96 | 90 | 73 |
| 070.6-070.9/B19 | Unspecified | 0 | 0 | * | * | * | 0 | * | * | * | * | * |
| TUBERCULOSIS | | | | | | | | | | | | |
| 010-011/A15-A16 | Respiratory TB | 10 | * | 11 | 6 | 9 | 6 | 7 | * | * | 11 | 8 |
| 010-018/A15-A19 | Total TB | 12 | * | 15 | 8 | 10 | 7 | 10 | 10 | 10 | 15 | 16 |
| ZOONOSES/VECTOR-BORNE | | | | | | | | | | | | |
| 023.9/A23 | Brucellosis | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 |
| 061/A90 | Dengue | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 071/A82 | Human Rabies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 084/B50-B54 | Malaria | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 020/A20 | Plague | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 082/A77.0 | Rocky Mountain Spotted Fever | * | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | * |
| 021/A21 | Tularemia | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER | | | | | | | | | | | | |
| 482.8/A48.1 | Legionellosis | * | * | * | * | * | * | 0 | 6 | * | * | * |
| 027.0/A32 | Listeriosis | 0 | * | 0 | * | 0 | 0 | 0 | 0 | * | 0 | 0 |
| 331.8/G93.7 | Reyes Syndrome | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 995.0/A48.3 | Toxic Shock Syndrome | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | * |

Note: * Cell suppressed due to non-zero count less than 6.



3B.

SEXUALLY TRANSMITTED DISEASES

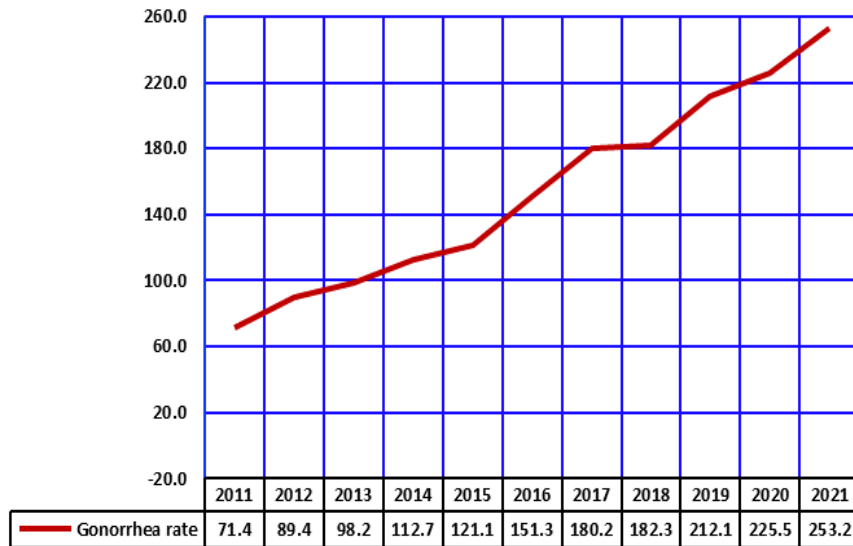
All states require that certain sexually transmitted diseases (STDs) be reported by physicians and other health care providers when they suspect that a case has occurred or they have laboratory confirmation.

It is important to note that disease reporting is likely incomplete and completeness may vary depending on the disease. Moreover, changes in methods for public health surveillance, or implementation of new diagnostic tests can cause changes in disease reporting that are independent of the true incidence of disease.* In this section, STD rates were calculated using denominators from the CDC for years prior to 2018. In the current report, the Arizona Department of Health Services denominators were used to compute the STD rates.

*Centers for Disease Control and Prevention. Summary of notifiable diseases – United States, 2008. Published June 25, 2010, for 2008; Vol. 57 (No. 54). Available online at <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5754a1.htm>

3B. SEXUALLY TRANSMITTED DISEASES

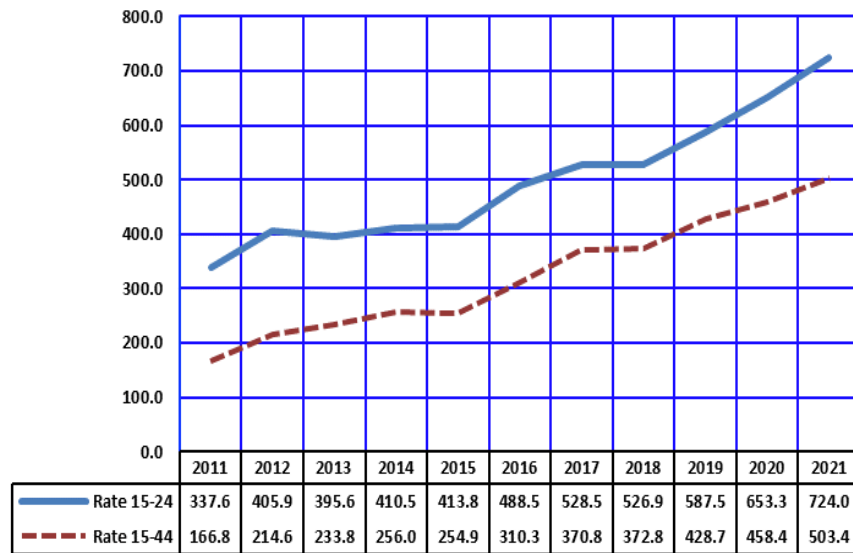
Figure 3B-1
Trends in the Incidence Rates^a of Gonorrhea by Year, Arizona, 2011-2021



Neisseria gonorrhoeae infection is the second most commonly reported notifiable disease in the United States. (Figure 3B-1). The consistent steady increase in the incidence rate of gonorrhea since 2010 likely resulted from a combination of factors, such as changes in surveillance, increases in the number of tests performed, and actual increases in disease occurrence (Figure 3B-1).

Note: ^a Number of reported cases per 100,000 population.

Figure 3B-2
Trends in the Incidence Rates^a of Gonorrhea among Females aged 15-24 and 15-44 Years, Arizona, 2011-2021



The 2021 incidence rate for gonorrhea was 503.4 per 100,000 for Arizona females aged 15-44 years. Additionally, in 2021 the gonorrhea incidence rate in Arizona females 15-44 years of age was less than incidence rate of females 15-24 years old, which was 724.0 per 100,000.

Notes: ^a Number of reported cases per 100,000 females

3B. SEXUALLY TRANSMITTED DISEASES

Figure 3B-3
Trends in the Incidence Rates^a of Chlamydia among Females 15-24 and 15-44 Years, Arizona, 2011-2021

Chlamydia trachomatis is the most prevalent bacterial sexually transmitted disease in the United States (1,644,416 cases in 2021*) with the highest rates reported among adolescents and young adults (Table 3B-4). Recent availability of sensitive tests for *chlamydia* using DNA amplification technology undoubtedly contributed to the increase in the number of reported cases in Arizona over the last decade (Figure 3B-3, Table 3B-1).

The incidence rate of chlamydia among females 15-44 has increased from 1,628 per 100,000 females to 1,830 per 100,000 females within the age group.



*Most recent publication
<https://www.cdc.gov/std/statistics/2021/overview.htm#Chlamydia>

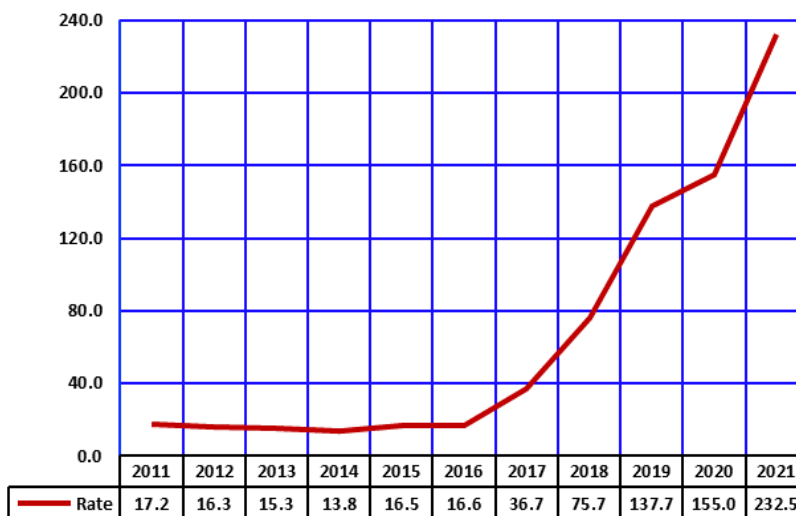
Notes: ^a Number of reported cases per 100,000 females

Congenital syphilis is an infection caused by the spirochete *Treponema pallidum*, which can be passed from the mother to child during fetal development or birth. Not all infants born to infected women will be infected.

In 1988, CDC implemented a new Congenital syphilis case definition. It no longer relies on documentation of infection in the infant; rather, it presumes that an infant is infected if it cannot be proven that an infected mother was adequately treated for syphilis before or during pregnancy.

The Arizona incidence rates of congenital syphilis were for the most part below 20 cases per 100,000 infants from 2010-2016. In 2017, a sharp increase in the incidence was recorded (36.7/100,000), in 2018, the rate more than doubled at 75.7/100,000 and in 2021, the rate was the highest recorded during the 11-year period at 232.5/100,000. (Figure 3B-4, Table 6A-2).

Figure 3B-4
Trends in the Incidence Rates^a of Congenital Syphilis by Year, Arizona, 2011-2021



Notes: ^a Number of reported cases per 100,000 births.

**TABLE 3B-1
NUMBER OF REPORTED CASES OF SEXUALLY TRANSMITTED DISEASES BY CATEGORY AND YEAR, ARIZONA, 2011-2021**

| Disease | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Gonorrhea | 4,564 | 5,856 | 6,505 | 7,585 | 8,270 | 10,330 | 12,514 | 12,903 | 15,249 | 16,180 | 18,446 |
| Gonococcal PID^a | 0 | 0 | 0 | 0 | 0 | 0 | * | 17 | 18 | 27 | 14 |
| Resistant Gonorrhea^b | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Syphilis (P & S)^c | 274 | 204 | 290 | 572 | 590 | 721 | 943 | 1,052 | 1,297 | 1,442 | 1,981 |
| Syphilis-Total^d | 907 | 795 | 966 | 1,434 | 1,482 | 1,903 | 2,424 | 3,258 | 4,044 | 4,428 | 6,329 |
| Chlamydia | 29,251 | 30,571 | 30,923 | 31,750 | 32,511 | 34,923 | 39,635 | 40,866 | 43,219 | 36,977 | 41,517 |

Notes: * Cell suppressed due to non-zero count less than 6; ^a PID is pelvic inflammatory disease; ^b Includes PPNG, penicillinase-producing Neisseria gonorrhoeae, a form of gonorrhea which is resistant to penicillin; ^c Primary and secondary syphilis only; ^d Early, late, congenital and other; since 2005, the table includes all positive laboratory results for chlamydia and gonorrhea with or without communicable disease report.

Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of STI Control.

**TABLE 3B-2
NUMBER OF DEATHS ASSOCIATED WITH SPECIFIED SEXUALLY TRANSMITTED DISEASES BY CATEGORY AND YEAR,
ARIZONA, 2011-2021**

| Disease | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Gonococcal infections | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * |
| Syphilis-Total | * | * | * | * | 0 | * | * | * | 0 | 0 | * |

attributed to Gonorrhea or Syphilis based on ICD code. Note this method differs from Nationally Notifiable Disease Surveillance System criteria, and information from these two systems is not comparable.

**TABLE 3B-3
FREQUENCY OF REPORTED CASES OF GONORRHEA, CHLAMYDIA, AND EARLY SYPHILIS
BY AGE AND GENDER, ARIZONA, 2021**

| Age group | GONORRHEA | | | | CHLAMYDIA | | | | EARLY SYPHILIS | | | |
|--------------|-----------|---------|------------------------|---------|-----------|---------|------------------------|---------|----------------|---------|------------------------|--------|
| | Males | Females | Unknown or Transgender | Total | Males | Females | Unknown or Transgender | Total | Males | Females | Unknown or Transgender | Total |
| 0-4 | * | * | 0 | 10† | 6 | 8 | 0 | 14 | 0 | 0 | 0 | 0 |
| 5-9 | 0 | * | 0 | 0† | 0 | * | * | 0† | 0 | 0 | 0 | 0 |
| 10-14 | 13 | 36 | 0 | 49 | 20 | 116 | 0 | 136 | 0 | * | 0 | 0† |
| 15-19 | 926 | 1,282 | * | 2,210 | 2,111 | 6,386 | 13 | 8,510 | 70 | 53 | 0 | 123 |
| 20-24 | 2,365 | 2,134 | * | 4,504 | 4,739 | 10,078 | 19 | 14,836 | 289 | 157 | 0 | 446 |
| 25-29 | 2,322 | 1,510 | 6 | 3,838 | 3,331 | 4,937 | 7 | 8,275 | 468 | 211 | 0 | 679 |
| 30-34 | 1,938 | 1,106 | * | 3,047 | 2,012 | 2,406 | 0 | 4,418 | 482 | 196 | 0 | 678 |
| 35-39 | 1,196 | 634 | 0 | 1,830 | 1,140 | 1,190 | * | 2,333 | 352 | 131 | 0 | 483 |
| 40-44 | 803 | 387 | 0 | 1,190 | 689 | 640 | * | 1,330 | 257 | 92 | 0 | 349 |
| 45-49 | 531 | 191 | * | 724 | 386 | 290 | * | 677 | 182 | 46 | 0 | 228 |
| 50-54 | 351 | 118 | * | 470 | 319 | 176 | 0 | 495 | 172 | 28 | 0 | 200 |
| 55-59 | 247 | 64 | 0 | 311 | 186 | 81 | 0 | 267 | 134 | 18 | 0 | 152 |
| 60-64 | 130 | 27 | 0 | 157 | 95 | 31 | 0 | 126 | 67 | * | 0 | 70† |
| 65-over | 98 | 10 | 0 | 108 | 69 | 28 | 0 | 97 | 45 | * | 0 | 50† |
| Total | 10,920† | 7,500† | 20† | 18,450† | 15,103 | 26,370† | 50† | 41,520† | 2,518 | 940† | 0 | 3,460† |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; since 2005, the table includes all positive laboratory results for chlamydia and gonorrhea with or without communicable disease report.

Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of STI Control.

**TABLE 3B-4
RATES^a OF REPORTED CASES OF GONORRHEA, CHLAMYDIA, AND EARLY SYPHILIS
BY AGE AND GENDER, ARIZONA, 2021**

| Age group | GONORRHEA | | | CHLAMYDIA | | | EARLY SYPHILIS | | |
|----------------|-----------|---------|-------|-----------|---------|--------|----------------|---------|-------|
| | Males | Females | Total | Males | Females | Total | Males | Females | Total |
| 0-4 | ** | ** | 1.7 | 2.8 | 3.9 | 3.4 | 0.0 | 0.0 | 0.0 |
| 5-9 | 0.0 | ** | ** | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| 10-14 | 5.4 | 15.6 | 10.4 | 8.4 | 50.4 | 29.0 | 0.0 | ** | ** |
| 15-19 | 382.6 | 554.0 | 466.8 | 872.3 | 2759.8 | 1797.6 | 28.9 | 22.9 | 26.0 |
| 20-24 | 924.9 | 887.5 | 907.8 | 1853.3 | 4191.4 | 2990.2 | 113.0 | 65.3 | 89.9 |
| 25-29 | 858.2 | 604.6 | 737.7 | 1231.1 | 1976.9 | 1590.4 | 173.0 | 84.5 | 130.5 |
| 30-34 | 761.7 | 466.1 | 619.7 | 790.8 | 1014.0 | 898.5 | 189.4 | 82.6 | 137.9 |
| 35-39 | 505.5 | 279.1 | 394.6 | 481.8 | 523.9 | 503.1 | 148.8 | 57.7 | 104.2 |
| 40-44 | 368.2 | 180.0 | 274.8 | 315.9 | 297.6 | 307.1 | 117.8 | 42.8 | 80.6 |
| 45-49 | 251.4 | 89.3 | 170.3 | 182.7 | 135.6 | 159.3 | 86.2 | 21.5 | 53.6 |
| 50-54 | 169.7 | 55.6 | 112.2 | 154.2 | 83.0 | 118.2 | 83.2 | 13.2 | 47.7 |
| 55-59 | 115.7 | 28.1 | 70.5 | 87.1 | 35.6 | 60.6 | 62.7 | 7.9 | 34.5 |
| 60-64 | 62.8 | 11.7 | 35.8 | 45.9 | 13.4 | 28.8 | 32.4 | ** | 15.8 |
| 65-over | 15.8 | 1.4 | 8.0 | 11.1 | 3.8 | 7.2 | 7.3 | ** | 3.5 |
| Total | 302.0 | 204.6 | 253.2 | 417.5 | 718.9 | 569.9 | 69.6 | 25.6 | 47.4 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a Number of cases per 100,000 population; table includes all positive laboratory results for chlamydia and gonorrhea with or without communicable disease report in 2021; denominators for unknown or transgender category are not available; rates per 100,000 population.

Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of STI Control.

**TABLE 3B-5
FREQUENCY OF REPORTED CASES, PERCENT DISTRIBUTION AND RATES OF EARLY AND LATE SYPHILIS,
GONORRHEA, AND CHLAMYDIA BY RACE/ETHNICITY, ARIZONA, 2021**

| Race/ethnicity | SYPHILIS | | | | | | GONORRHEA | | | | | | CHLAMYDIA | | |
|-----------------------------------------|----------|-------|-------|-------|-------|-------|-----------|-----|------|--------|-------|-------|-----------|-------|--------|
| | Early | | | Late | | | Resistant | | | Total | | | Cases | % | Rate |
| | Cases | % | Rate | Cases | % | Rate | Cases | % | Rate | Cases | % | Rate | | | |
| White Non-Hispanic | 942 | 27.3 | 23.5 | 576 | 21.4 | 14.4 | 0 | 0.0 | 0.0 | 3,792 | 20.6 | 94.7 | 6,607 | 15.9 | 165.0 |
| Black or African American | 463 | 13.4 | 123.1 | 311 | 11.6 | 82.7 | 0 | 0.0 | 0.0 | 2,899 | 15.7 | 771.0 | 3,775 | 9.1 | 1004.0 |
| Hispanic or Latino | 1,337 | 38.7 | 57.6 | 1,098 | 40.8 | 47.3 | 0 | 0.0 | 0.0 | 5,111 | 27.7 | 220.0 | 11,392 | 27.4 | 490.4 |
| Asian or Pacific Islander | 52 | 1.5 | 17.8 | 20 | 0.7 | 6.8 | 0 | 0.0 | 0.0 | 142 | 0.8 | 48.6 | 421 | 1.0 | 144.1 |
| American Indian or Alaska Native | 498 | 14.4 | 171.6 | 460 | 17.1 | 158.5 | 0 | 0.0 | 0.0 | 1,197 | 6.5 | 412.4 | 2,298 | 5.5 | 791.8 |
| Multi-racial | 85 | 2.5 | N/A | 69 | 2.6 | N/A | 0 | 0.0 | 0.0 | 467 | 2.5 | N/A | 554 | 1.3 | N/A |
| Not Specified | 79 | 2.3 | N/A | 157 | 5.8 | N/A | 0 | 0.0 | N/A | 4,838 | 26.2 | N/A | 16,470 | 39.7 | N/A |
| Total | 3,456 | 100.0 | 47.4 | 2,691 | 100.0 | 36.9 | 0 | N/A | N/A | 18,446 | 100.0 | 253.2 | 41,517 | 100.0 | 569.9 |

Notes: ^a Number of cases per 100,000 population; table includes all positive laboratory results for chlamydia and gonorrhea with or without communicable disease report in 2021; rates per 100,000 population.

Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of STI Control.



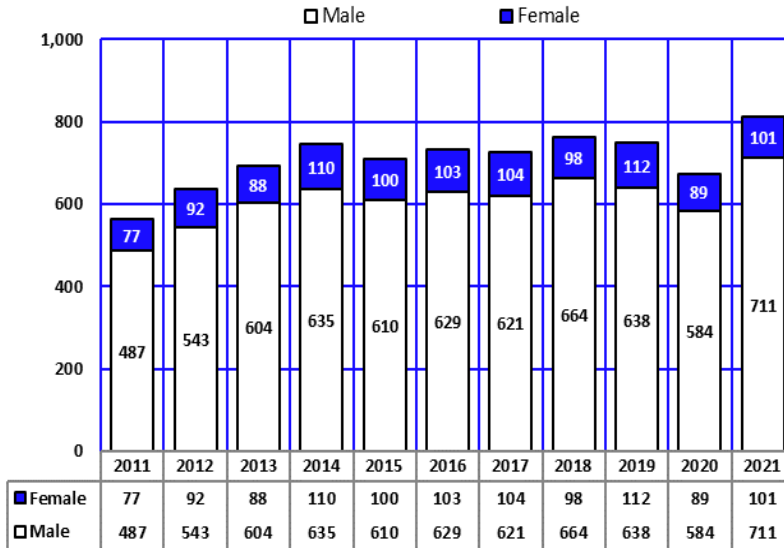
3C.

HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE AND ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)

Statistics about the estimated incidence of Human Immunodeficiency Virus (HIV) disease and Acquired Immunodeficiency Syndrome (AIDS) for 1981-2021, as provided by the Office of HIV, STD, and Hepatitis Services, are available in Tables 3C-1, 3C-2, 3C-3, 3C-4, and 5F-3 of this report. In the past, the cases of persons previously reported as HIV positive and subsequently diagnosed with AIDS were not properly counted since these were not new cases, only a new diagnosis reflecting a progression of the disease. The data presented in this report are based on a revised approach adopted by the Office of HIV/AIDS Services. The estimated incidence of HIV/AIDS includes the sum of new HIV cases and new AIDS cases, which were not diagnosed as HIV positive in any prior calendar year. The cases of persons who were diagnosed with both HIV and AIDS in the same calendar year are counted only as AIDS to avoid double counting.

3C. HIV DISEASE AND AIDS

Figure 3C-1
Reported Cases of HIV/AIDS by Gender and Year of Diagnosis,
Arizona, 2011-2021

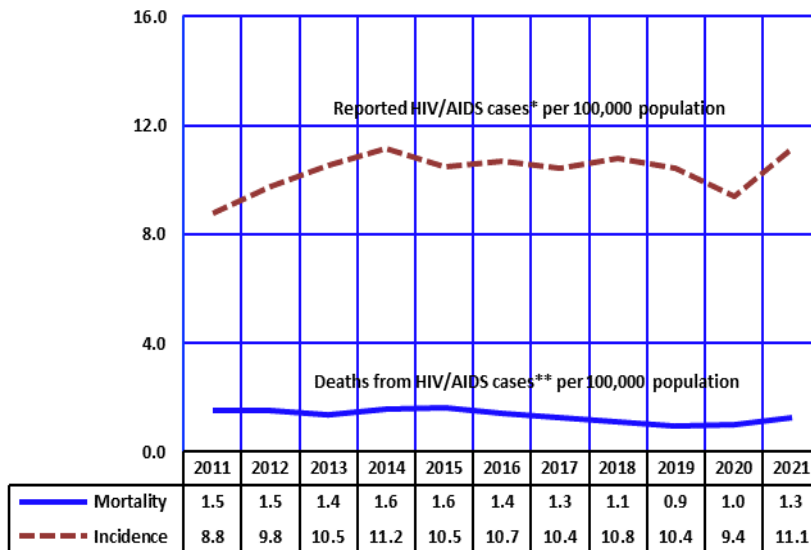


Since the first case of AIDS diagnosed in an Arizona resident in 1981, a total of 25,037 cases of HIV/AIDS had been diagnosed in the State by the end of 2021 and reported by July 25, 2023 (**Table 3C-1**).

In 2021, males accounted for 87.6 percent of all *HIV/AIDS* diagnoses. The male-to-female ratio of *HIV/AIDS* diagnoses in Arizona in 2021 was 7.0:1 (711/101; **Figure 3C-1, Table 3C-2**).

The proportion of risk behaviors attributed to emerging cases of *HIV/AIDS* in 2021 remained similar to previous years. Of the 812 *HIV/AIDS* cases diagnosed in 2021, 463 were among men who reported sexual contact with other men (**Table 3C-4**). Another 63 reported heterosexual contact. An additional 26 reported only injecting drugs. Adults without an indicated risk accounted for 202 of *HIV/AIDS* cases diagnosed in 2021.

Figure 3C-2
Trends in the Incidence Rates of HIV/AIDS and Mortality Rates for HIV Disease
by Year, Arizona, 2011-2021



The incidence rate measures the relative risk for *HIV/AIDS* in a population. The incidence rate of *HIV/AIDS* has increased in Arizona by 26.1 percent from 8.8 cases per 100,000 population in 2011 to 11.1/100,000 in 2021 (**Figure 3C-2**; the incidence rates for 2011 – 2021 have been re-computed based on the latest volume of the *HIV/AIDS* data as of 7/25/2023).

The rate of deaths from *HIV disease* remained unchanged from 2014 to 2015, then decreased slightly at 1.4 deaths per 100,000 population in 2016 to 0.9 in 2019, then increased to 1.0 in 2020 and 1.3 in 2021 (**Figure 3C-2**).

Of the 812 *HIV/AIDS* cases diagnosed in 2021, 244 were White non-Hispanic, 358 were Hispanic, 125 were Black, 42 were American Indian, and 10 were Asian or Pacific Islander (**Table 3C-3**).

Notes: *By year of diagnosis; **By year of death.

**TABLE 3C-1
FREQUENCY DISTRIBUTION OF HIV/AIDS BY AGE AT DIAGNOSIS,
ARIZONA, 1981-2021**

| Age Group (years) | HIV/AIDS cases |
|------------------------------|-----------------------|
| Under 5 | 123 |
| 5-12 | 47 |
| 13-19 | 661 |
| 20-29 | 7,905 |
| 30-39 | 9,258 |
| 40-49 | 4,304 |
| 50 or above | 2,739 |
| Missing | 0 |
| Total | 25,037 |

**TABLE 3C-2
HIV/AIDS CASES AND DEATHS BY YEAR OF DIAGNOSIS AND GENDER,
ARIZONA, 1981-2010 and 2011-2021**

| | 1981-2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| # Males | 15,071 | 487 | 543 | 604 | 635 | 610 | 629 | 621 | 664 | 638 | 584 | 711 |
| # Females | 2,166 | 77 | 92 | 88 | 110 | 100 | 103 | 104 | 98 | 112 | 89 | 101 |
| # Total | 17,237 | 564 | 635 | 692 | 745 | 710 | 732 | 725 | 762 | 750 | 673 | 812 |
| # Presumed Living | 9,617 | 472 | 538 | 610 | 667 | 630 | 656 | 662 | 722 | 717 | 630 | 772 |
| # Known dead | 7,618 | 92 | 97 | 82 | 78 | 80 | 76 | 63 | 40 | 33 | 43 | 39 |
| % Mortality | 44.2 | 16.3 | 15.3 | 11.8 | 10.5 | 11.3 | 10.4 | 8.7 | 5.2 | 4.4 | 6.4 | 4.8 |

Note: Due to reporting delays, all numbers are provisional (2021 volume as of 07/25/2023); missing 2 in overall vital status.

Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of HIV Care and Surveillance.

**TABLE 3C-3
DISTRIBUTION OF REPORTED HIV/AIDS CASES BY YEAR OF DIAGNOSIS AND RACE/ETHNICITY,
ARIZONA, 1981-2010 AND 2011-2021**

| Race/ethnicity | 1981-2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------------------------------------|---------------|-------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|
| White non-Hispanic | 10,152 | 227 | 247 | 273 | 265 | 244 | 243 | 246 | 245 | 241 | 235 | 244 |
| Black or African American non-Hispanic | 1,700 | 76 | 102 | 112 | 128 | 127 | 136 | 112 | 124 | 125 | 98 | 125 |
| Hispanic or Latino all races | 4,296 | 202 | 215 | 241 | 269 | 253 | 280 | 294 | 320 | 321 | 274 | 358 |
| Asian or Pacific Islander non-Hispanic | 142 | 15 | 16 | 9 | 17 | 23 | 15 | 22 | 20 | 15 | 18 | 10 |
| American Indian or Alaska Native non-Hispanic | 592 | 39 | 43 | 46 | 55 | 51 | 53 | 45 | 42 | 39 | 36 | 42 |
| Two or more races/ other or unknown race | 355 | * | 12 | 11 | 11 | 12 | * | 6 | 11 | 9 | 12 | 33 |
| Total | 17,237 | 560† | 635 | 692 | 745 | 710 | 730† | 725 | 762 | 750 | 673 | 812 |

Note: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Due to reporting delays, all numbers are provisional (2021 volume as of 07/25/2023).

**TABLE 3C-4
DISTRIBUTION OF REPORTED HIV/AIDS CASES BY YEAR OF DIAGNOSIS AND TRANSMISSION CATEGORY,
ARIZONA, 1981-2010 AND 2011-2021**

| Transmission | 1981-2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------------|----------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|------------|
| MSM | 10,119 | 335 | 372 | 425 | 471 | 419 | 449 | 446 | 484 | 443 | 386 | 463 |
| IV Drug User (IDU) | 2,198 | 56 | 52 | 52 | 53 | 52 | 54 | 36 | 47 | 49 | 41 | 26 |
| MSM/IDU | 1,878 | 34 | 39 | 37 | 44 | 52 | 33 | 40 | 37 | 44 | 48 | 48 |
| Hemophiliac (Adult) | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual Contact | 1,573 | 80 | 98 | 71 | 74 | 79 | 64 | 63 | 51 | 66 | 41 | 63 |
| Transfusion/transplant (Adult) | 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| No indicated risk (Adult) | 1,157 | 58 | 66 | 100 | 99 | 103 | 130 | 135 | 136 | 145 | 156 | 202 |
| Pediatric Hemophiliac | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pediatric transfusion/transplant | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mother HIV+ | 120 | * | 8 | 6 | * | * | * | * | 7 | * | * | 10 |
| Pediatric (no indicated risk) | 9 | 0 | 0 | * | * | * | 0 | * | 0 | 0 | 0 | 0 |
| Total | 17,240† | 560† | 635 | 690† | 750† | 710† | 730† | 730† | 762 | 750† | 670† | 812 |

Note: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Due to reporting delays, all numbers are provisional (2021 volume as of 07/25/2023).

Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of HIV Care and Surveillance.

CHAPTER 4

HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS:

2021 STATUS

- 4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS**
- 4B. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES AND PATIENT CHARACTERISTICS**
- 4C. CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY, DIAGNOSIS GROUP, AND AGE GROUP**
- 4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY**



4A.

INPATIENT DISCHARGES FROM SHORT STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

An inpatient discharge occurs when a person who was admitted to a hospital leaves that hospital. A person who has been hospitalized more than once in a given calendar year will be counted multiple times as a discharge; thus, the numbers in this report are for discharges, not persons. Federal, military, and Department of Veteran Affairs' hospitals are excluded. Beginning in 2010, the psychiatric hospitals also are required to report to the Arizona Department of Health Services. All discharges are for residents of Arizona. Discharges of out-of-state residents are not included in this report. Discharges of inpatients in this report exclude newborn infants.

Beginning in 2016, diagnostic groupings and code numbers are based solely on the International Classification of Diseases and Related Problems, 10th Revision, Clinical Modification (ICD-10-CM). ICD-10-CM incorporates greater details about medical diagnosis and represents a substantial increase in number of diagnostic codes, with more than 69,000 codes compared with about 14,000 under ICD-9-CM. Due to fundamental changes in the coding system caution should be exercised in comparing current inpatient data to that of years prior 2016. For further explanation of this new coding system, please refer to "The Implementation of the International Classification of Disease, Tenth Revision."

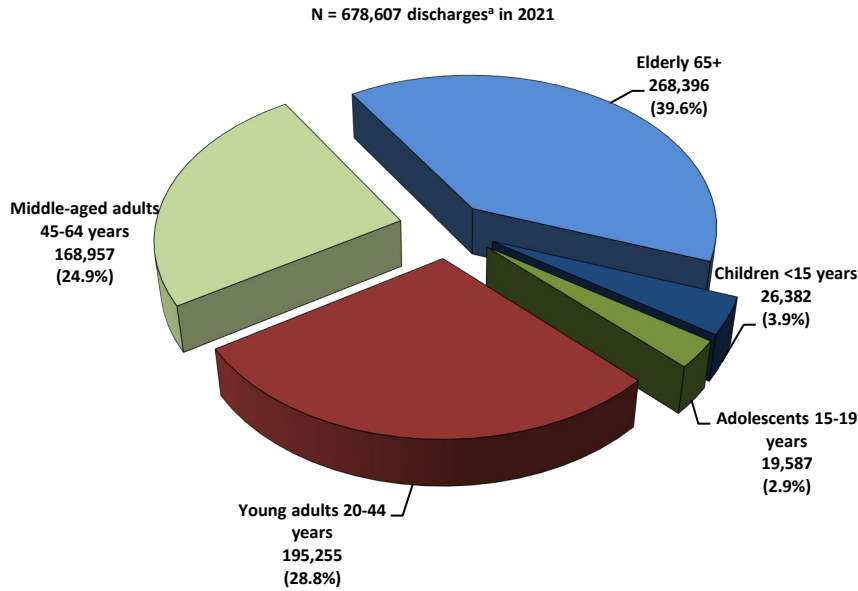
The change in the Arizona reporting requirements increased the number of diagnoses that are coded for each discharge from nine to twenty-five. In this section, discharges are presented by principal diagnosis, which is the first one listed on the discharge summary of the medical record. The number of first-listed diagnoses is the same as the number of discharges. For comparability with the national data*, the discharge rates are presented per 10,000 population. The groupings of ICD-9-CM and ICD-10-CM codes used to identify specific diagnostic categories can be accessed at:

<http://pub.azdhs.gov/health-stats/hip/cat/icd9-10primary.xlsx>.

*Findings of the National Hospital Discharge Survey are available in bound reports of the National Center for Health Statistics and online at <http://www.cdc.gov/nchs/nhds.htm>

4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

Figure 4A-1
Hospital Inpatient Discharges^a by Age Group, Arizona Residents, 2021

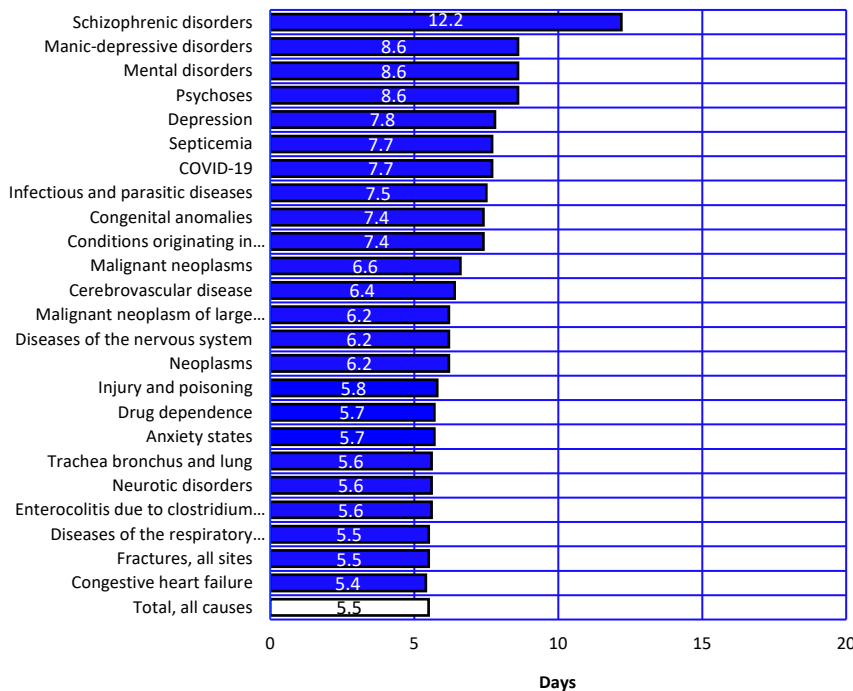


Note: ^a Excluding newborn infants.

In 2021, there were 678,607 inpatients discharged, excluding newborn infants, from non-Federal short stay hospitals in Arizona (**Table 4A-1**). Patients who were elderly (65 years or older) accounted for 39.6 percent of hospital discharges (**Figure 4A-1**), followed by young adults (20-44 years old) who comprised 28.8 percent of discharges, and middle-aged adults (45-64 years old) with 24.9 percent of all inpatient discharges.

Diseases of the circulatory system were the most common diagnoses (14.0 percent of all discharges), followed by *mental disorders* (11.0 percent), and *infectious and parasitic disease* diagnoses (10.4 percent; percentages based on data in **Table 4A-1**).

Figure 4A-2
Average Length of Hospital Stay for Discharges^a with Selected First-listed Diagnosis, Arizona Residents, 2021



Notes: ^a Excluding newborn infants.

Based on the data from the National Hospital Discharge Survey, the longest continuously running nationally representative survey of hospital utilization, the length of stay for inpatients has changed dramatically from 1970 through 2011. In 1970, the average length of stay was 7.8 days, with one-third of patients hospitalized for 8 days or more. In 2010, the average length of stay nationally was 4.8 days.

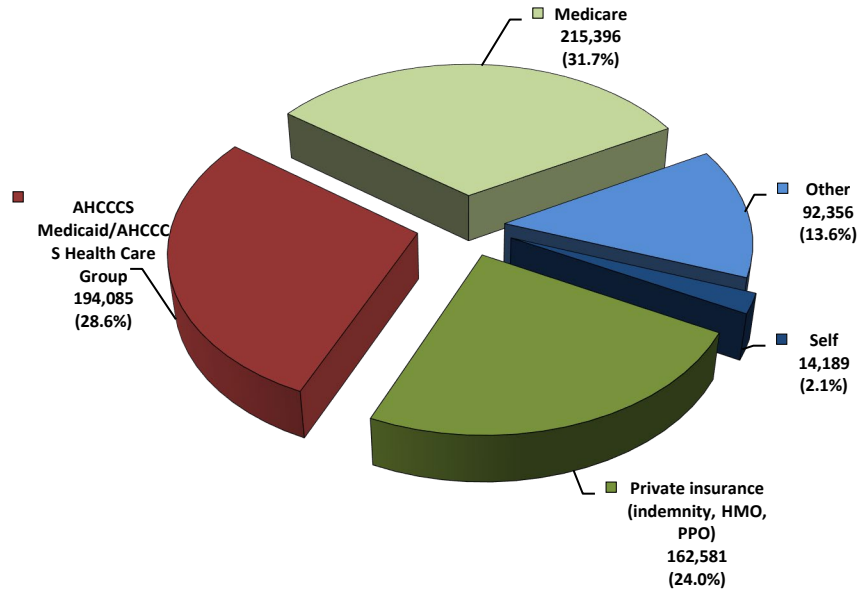
In 2021, the average length of hospital stay for Arizona inpatients was 5.5 days (**Figure 4A-2, Table 4A-5**).

The top five conditions with the longest length of inpatient stay was: *Schizophrenic disorders* (12.2 days), *manic-depressive disorders* (8.6 days), *mental disorders* (8.6 days), *psychoses* (8.6 days), and *depression* (7.8 days).

4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

Figure 4A-3
Hospital Inpatient Discharges by Payer, Arizona Residents, 2021

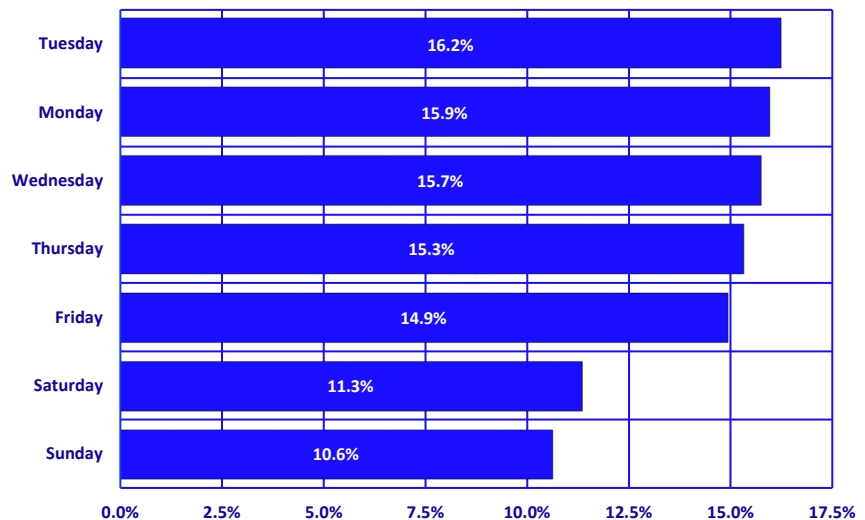
Medicare paid for 31.7 percent of all discharges (**Figure 4A-3**) and 69.0 percent of inpatient discharges of persons aged 65 years or older (**Table 4A-4**). The Arizona Health Care Cost Containment System (AHCCCS; the State’s Medicaid Program) was the second most frequently recorded expected source of payment, accounting for 28.6 percent of inpatient discharges. Private insurance accounted for 24.0 percent of hospital inpatient discharges.



Note: The Arizona Health Care Cost Containment System is the State’s Medicaid Program.

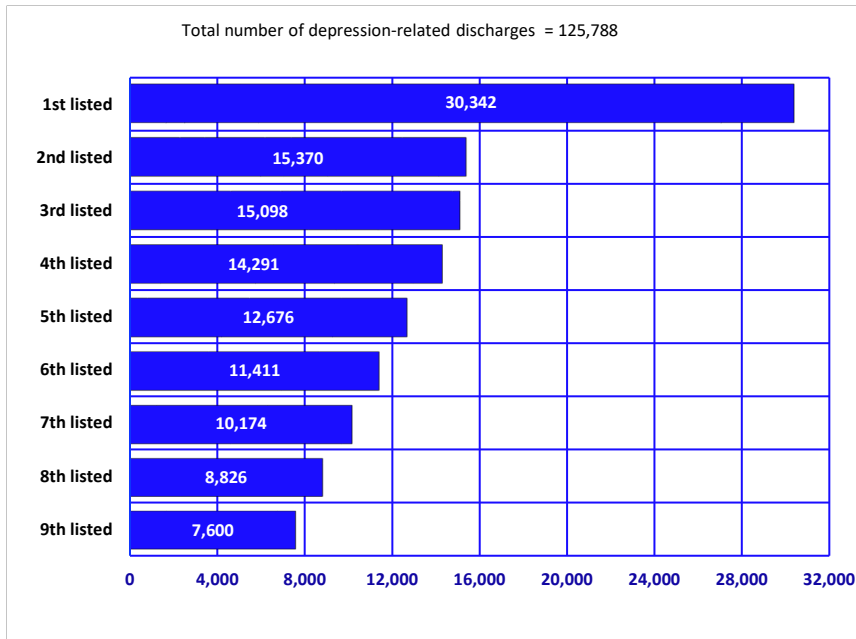
Figure 4A-4
Percent of Hospital Inpatient Admissions by Day of the Week, Arizona Residents, 2021

The rhythm of hospital births by day of the week (see **Figure 1B-14**) reveals that the daily average of resident live births in 2021 was substantially lower on weekends than on weekdays. The same pattern applies to hospital inpatient admissions excluding newborn infants (**Figure 4A-4**).



4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

Figure 4A-5
Number of Depression-Related Inpatient Discharges and Emergency Room Visits of Arizona Residents, 2021

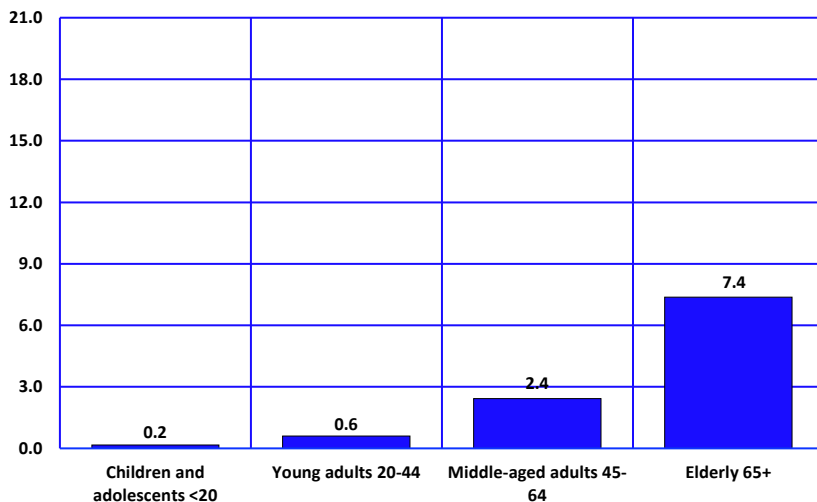


In 2021, *depression* accounted for 25,532 inpatient discharges and 4,809 emergency room visits as the first-listed diagnosis (for a total of 30,341 hospital encounters; **Figure 4A-5, Table 4A-1, Table 7C-1**).

The extent to which the first-listed diagnosis is the principal reason for hospitalization ought not to be overestimated. More often than not, the first-listed diagnosis is the immediate, but not necessarily the underlying cause of hospitalization.

However, when we count all entries of this code within the first nine diagnostic fields, depression was mentioned on 125,788 inpatient discharges and emergency room records (**Figure 4A-5**).

Figure 4A-6
Inpatient Hospitalization Rates for Enterocolitis due to *Clostridium difficile* By Age Group, Arizona Residents, 2021



Note: Number of visits per 10,000 population

In 2021, 1,584 Arizonans were hospitalized with the diagnosis of enterocolitis due to *Clostridium difficile*, a bacterial inflammation of the intestines (**Table 4A-1**). The disease is of growing public health concern because it is often acquired in hospitals and other health care institutions with long-term patients as residents.

The hospitalization rates associated with enterocolitis due to *Clostridium difficile* tend to increase with age. The rate for the elderly 65 years or older (7.4/10,000) was the highest of all age groups (**Figure 4A-6**).

In 2021, 151 Arizonans died from enterocolitis due to *Clostridium difficile*. Elderly 65 years or older accounted for 76.8 percent of these deaths (**Table 2C-27**).

**TABLE 4A-1
NUMBER OF DISCHARGES* BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | Age group | | | | | Unknown |
|--------------------------------------------------------------|---------|--------------------|-------------------------|--------------------------|--------------------------------|-------------------|---------|
| | | Children <15 years | Adolescents 15-19 years | Young adults 20-44 years | Middle-aged adults 45-64 years | Elderly 65+ years | |
| All categories | 678,607 | 26,382 | 19,587 | 195,255 | 168,957 | 268,396 | 30 |
| Infectious and parasitic diseases | 70,465 | 1,149 | 609 | 12,556 | 22,513 | 33,637 | * |
| Septicemia | 63,859 | 484 | 447 | 11,408 | 20,725 | 30,794 | * |
| Enterocolitis due to <i>Clostridium difficile</i> | 1,584 | 24 | 6 | 143 | 418 | 993 | 0 |
| Neoplasms | 21,629 | 342 | 194 | 2,270 | 7,308 | 11,515 | 0 |
| Malignant neoplasms | 18,069 | 276 | 138 | 1,453 | 5,970 | 10,232 | 0 |
| Large intestine | 2,493 | 0 | 0 | 155 | 889 | 1,449 | 0 |
| Prostate | 620† | 0 | 0 | * | 260 | 359 | 0 |
| Trachea bronchus and lung | 2,200† | * | * | 61 | 650 | 1,483 | 0 |
| Breast | 860† | 0 | * | 204 | 387 | 266 | 0 |
| Benign neoplasms | 2,753 | 44 | 42 | 717 | 1,106 | 844 | 0 |
| Endocrine nutritional metabolic and immunity diseases | 29,061 | 1,319 | 565 | 7,375 | 10,170 | 9,632 | 0 |
| Diabetes mellitus | 14,234 | 544 | 368 | 3,835 | 5,443 | 4,044 | 0 |
| Volume depletion | 1,290 | 323 | 32 | 110 | 213 | 612 | 0 |
| Morbid obesity | 3,790† | * | 22 | 2,106 | 1,436 | 227 | 0 |
| Diseases of the blood and blood forming organs | 5,689 | 545 | 198 | 1,117 | 1,227 | 2,602 | 0 |
| Mental disorders | 74,628 | 5,074 | 8,312 | 38,704 | 17,251 | 5,282 | * |
| Psychoses | 45,119 | 1,727 | 3,708 | 24,369 | 11,758 | 3,554 | * |
| Alcoholic psychoses | 6,194 | 0 | 16 | 3,037 | 2,527 | 614 | 0 |
| Drug psychoses | 950† | * | 74 | 606 | 219 | 42 | 0 |
| Schizophrenic disorders | 9,867 | 13 | 234 | 6,333 | 2,977 | 309 | * |
| Manic-depressive disorders | 41,564 | 4,496 | 6,748 | 20,256 | 7,813 | 2,250 | * |
| Neurotic disorders | 17,029 | 978 | 1,409 | 7,841 | 5,197 | 1,603 | * |
| Anxiety states | 813 | 66 | 151 | 328 | 172 | 96 | 0 |
| Depression | 25,532 | 2,805 | 4,303 | 12,340 | 4,618 | 1,465 | * |
| Drug dependence | 3,070† | * | 253 | 2,266 | 426 | 119 | 0 |
| Nondependent abuse of drugs | 310† | * | 20 | 171 | 95 | 24 | 0 |
| Alcohol dependence | 8,280 | 0 | 26 | 4,130 | 3,336 | 788 | 0 |
| Diseases of the nervous system | 16,535 | 1,119 | 413 | 3,159 | 4,168 | 7,673 | * |
| Diseases of the eye and adnexa | 581 | 58 | 15 | 122 | 176 | 210 | 0 |
| Diseases of the ear and mastoid process | 539 | 87 | 10 | 83 | 126 | 233 | 0 |
| Diseases of the circulatory system | 94,949 | 254 | 232 | 5,748 | 25,891 | 62,824 | 0 |
| Heart disease | 63,402 | 123 | 125 | 3,439 | 17,105 | 42,610 | 0 |
| Acute myocardial infarction | 11,880† | 0 | * | 536 | 4,167 | 7,178 | 0 |
| Coronary arteriosclerosis | 4,830† | * | 0 | 98 | 1,522 | 3,211 | 0 |

**TABLE 4A-1 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | Age group | | | | | Unknown |
|----------------------------------------------|--------|--------------------|-------------------------|--------------------------|--------------------------------|-------------------|---------|
| | | Children <15 years | Adolescents 15-19 years | Young adults 20-44 years | Middle-aged adults 45-64 years | Elderly 65+ years | |
| Other ischemic heart disease | 348 | 0 | 0 | 28 | 127 | 193 | 0 |
| Cardiac dysrhythmias | 13,262 | 48 | 34 | 547 | 2,696 | 9,937 | 0 |
| Cardiac arrest | 290† | * | * | 57 | 91 | 138 | 0 |
| Congestive heart failure | 2,095 | 16 | 6 | 301 | 651 | 1,121 | 0 |
| Cerebrovascular diseases | 21,148 | 67 | 28 | 1,080 | 5,477 | 14,496 | 0 |
| Diseases of the respiratory system | 34,434 | 5,245 | 464 | 3,313 | 8,346 | 17,066 | 0 |
| Acute bronchitis and bronchiolitis | 1,890† | 1,663 | * | 34 | 57 | 136 | 0 |
| Pneumonia | 8,944 | 391 | 51 | 781 | 2,151 | 5,570 | 0 |
| Chronic bronchitis | 3,825 | 0 | 0 | 63 | 1,389 | 2,373 | 0 |
| Asthma | 1,891 | 742 | 64 | 494 | 385 | 206 | 0 |
| COVID-19 | 38,827 | 495 | 282 | 6,097 | 13,569 | 18,383 | * |
| Diseases of the digestive system | 58,620 | 1,761 | 885 | 12,104 | 18,585 | 25,285 | 0 |
| Appendicitis | 2,440 | 567 | 181 | 627 | 561 | 504 | 0 |
| Noninfectious enteritis and colitis | 4,663 | 187 | 169 | 1,043 | 1,198 | 2,066 | 0 |
| Diverticula of intestine | 4,950† | * | 7 | 676 | 1,583 | 2,685 | 0 |
| Cholelithiasis | 2,867 | 17 | 61 | 726 | 852 | 1,211 | 0 |
| Diseases of the genitourinary system | 24,645 | 807 | 366 | 3,640 | 6,392 | 13,440 | 0 |
| Calculus of kidney and ureter | 349 | 6 | 7 | 66 | 125 | 145 | 0 |
| Diseases of the skin and subcutaneous tissue | 10,899 | 517 | 150 | 2,738 | 3,675 | 3,819 | 0 |
| Cellulitis and abscess | 7,349 | 228 | 65 | 1,701 | 2,530 | 2,825 | 0 |
| Diseases of the musculoskeletal system | 26,169 | 674 | 361 | 2,623 | 7,796 | 14,714 | * |
| Osteoarthritis and allied disorders | 6,470† | 0 | * | 74 | 1,679 | 4,718 | 0 |
| Invertebral disc disorders | 2,158 | 0 | 8 | 398 | 852 | 900 | 0 |
| Congenital anomalies | 2,221 | 1,224 | 168 | 346 | 271 | 212 | 0 |
| Conditions originating in perinatal period | 1,940† | 1,938 | * | * | 0 | 0 | 0 |
| Symptoms signs and ill-defined conditions | 10,957 | 832 | 221 | 1,485 | 2,748 | 5,671 | 0 |
| Injury and poisoning | 67,084 | 2,168 | 2,040 | 13,372 | 16,540 | 32,945 | 19 |
| Fractures, all sites | 22,068 | 383 | 464 | 3,397 | 3,875 | 13,948 | * |
| Fracture of neck of femur | 7,630 | 19 | 19 | 174 | 819 | 6,599 | 0 |
| Poisonings | 4,920 | 412 | 560 | 1,912 | 1,255 | 779 | * |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Excluding newborn infants.

**TABLE 4A-2
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | Patient's gender | | |
|-------------------------------------------------------|---------|------------------|---------|---------|
| | | Male | Female | Unknown |
| All categories | 678,607 | 315,085 | 363,466 | 56 |
| Infectious and parasitic diseases | 70,465 | 37,570 | 32,895 | 0 |
| Septicemia | 63,859 | 34,327 | 29,532 | 0 |
| Enterocolitis due to <i>Clostridium difficile</i> | 1,584 | 620 | 964 | 0 |
| Neoplasms | 21,629 | 10,629 | 10,999 | * |
| Malignant neoplasms | 18,069 | 9,469 | 8,599 | * |
| Large intestine | 2,493 | 1,307 | 1,186 | 0 |
| Prostate | 623 | 623 | 0 | 0 |
| Trachea bronchus and lung | 2,200 | 1,004 | 1,196 | 0 |
| Breast | 858 | 25 | 833 | 0 |
| Benign neoplasms | 2,753 | 761 | 1,992 | 0 |
| Endocrine nutritional metabolic and immunity diseases | 29,061 | 14,226 | 14,833 | * |
| Diabetes mellitus | 14,234 | 8,592 | 5,641 | * |
| Volume depletion | 1,290 | 655 | 635 | 0 |
| Morbid obesity | 3,793 | 661 | 3,132 | 0 |
| Diseases of the blood and blood forming organs | 5,689 | 2,613 | 3,076 | 0 |
| Mental disorders | 74,628 | 42,030 | 32,587 | 11 |
| Psychoses | 45,119 | 26,628 | 18,485 | 6 |
| Alcoholic psychoses | 6,194 | 4,554 | 1,640 | 0 |
| Drug psychoses | 946 | 628 | 318 | 0 |
| Schizophrenic disorders | 9,867 | 6,576 | 3,290 | * |
| Manic-depressive disorders | 41,564 | 20,254 | 21,301 | 9 |
| Neurotic disorders | 17,029 | 10,461 | 6,567 | * |
| Anxiety states | 813 | 326 | 487 | 0 |
| Depression | 25,532 | 12,598 | 12,929 | * |
| Drug dependence | 3,069 | 2,190 | 879 | 0 |
| Nondependent abuse of drugs | 311 | 214 | 97 | 0 |
| Alcohol dependence | 8,280 | 6,023 | 2,257 | 0 |
| Diseases of the nervous system | 16,535 | 8,337 | 8,198 | 0 |
| Diseases of the eye and adnexa | 581 | 270 | 311 | 0 |
| Diseases of the ear and mastoid process | 539 | 254 | 285 | 0 |
| Diseases of the circulatory system | 94,949 | 54,412 | 40,531 | 6 |
| Heart disease | 63,402 | 37,604 | 25,796 | * |
| Acute myocardial infarction | 11,883 | 7,827 | 4,056 | 0 |
| Coronary arteriosclerosis | 4,832 | 3,500 | 1,331 | * |

**TABLE 4A-2 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | Patient's gender | | |
|----------------------------------------------|--------|------------------|--------|---------|
| | | Male | Female | Unknown |
| Other ischemic heart disease | 348 | 180 | 168 | 0 |
| Cardiac dysrhythmias | 13,262 | 7,387 | 5,874 | * |
| Cardiac arrest | 293 | 178 | 114 | * |
| Congestive heart failure | 2,095 | 1,233 | 862 | 0 |
| Cerebrovascular diseases | 21,148 | 11,065 | 10,081 | * |
| Diseases of the respiratory system | 34,434 | 17,727 | 16,706 | * |
| Acute bronchitis and bronchiolitis | 1,892 | 1,036 | 856 | 0 |
| Pneumonia | 8,944 | 4,547 | 4,397 | 0 |
| Chronic bronchitis | 3,825 | 1,680 | 2,145 | 0 |
| Asthma | 1,891 | 866 | 1,025 | 0 |
| COVID-19 | 38,827 | 20,923 | 17,904 | 0 |
| Diseases of the digestive system | 58,620 | 28,580 | 30,037 | * |
| Appendicitis | 2,440 | 1,315 | 1,125 | 0 |
| Noninfectious enteritis and colitis | 4,663 | 1,939 | 2,724 | 0 |
| Diverticula of intestine | 4,952 | 2,274 | 2,678 | 0 |
| Cholelithiasis | 2,867 | 1,250 | 1,617 | 0 |
| Diseases of the genitourinary system | 24,645 | 11,624 | 13,021 | 0 |
| Calculus of kidney and ureter | 349 | 173 | 176 | 0 |
| Diseases of the skin and subcutaneous tissue | 10,899 | 6,091 | 4,808 | 0 |
| Cellulitis and abscess | 7,349 | 4,159 | 3,190 | 0 |
| Diseases of the musculoskeletal system | 26,169 | 12,582 | 13,586 | * |
| Osteoarthritis and allied disorders | 6,472 | 2,646 | 3,826 | 0 |
| Invertebral disc disorders | 2,158 | 1,115 | 1,043 | 0 |
| Congenital anomalies | 2,221 | 1,282 | 939 | 0 |
| Conditions originating in perinatal period | 1,941 | 1,128 | 813 | 0 |
| Symptoms signs and ill-defined conditions | 10,957 | 5,569 | 5,388 | 0 |
| Injury and poisoning | 67,084 | 35,220 | 31,836 | 28 |
| Fractures, all sites | 22,068 | 9,841 | 12,218 | 9 |
| Fracture of neck of femur | 7,630 | 2,751 | 4,879 | 0 |
| Poisonings | 4,920 | 2,375 | 2,544 | * |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Excluding newborn infants.

**TABLE 4A-3
NUMBER OF DISCHARGES* BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | Race/ethnicity | | | | | |
|--------------------------------------------------------------|---------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|------------------|
| | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Refused /Unknown |
| Total | 678,607 | 455,417 | 130,123 | 40,206 | 31,199 | 14,236 | 7,426 |
| Infectious and parasitic diseases | 70,465 | 46,831 | 14,080 | 3,719 | 3,590 | 1,472 | 773 |
| Septicemia | 63,859 | 42,421 | 12,811 | 3,292 | 3,314 | 1,306 | 715 |
| Enterocolitis due to <i>Clostridium difficile</i> | 1,584 | 1,226 | 199 | 71 | 64 | 15 | 9 |
| Neoplasms | 21,629 | 15,725 | 3,445 | 1,051 | 526 | 651 | 231 |
| Malignant neoplasms | 18,069 | 13,459 | 2,717 | 751 | 416 | 535 | 191 |
| Large intestine | 2,493 | 1,863 | 388 | 81 | 57 | 73 | 31 |
| Prostate | 620† | 473 | 70 | 48 | * | 17 | 12 |
| Trachea bronchus and lung | 2,200 | 1,786 | 202 | 89 | 22 | 74 | 27 |
| Breast | 858 | 636 | 127 | 53 | 15 | 19 | 8 |
| Benign neoplasms | 2,753 | 1,684 | 585 | 271 | 79 | 99 | 35 |
| Endocrine nutritional metabolic and immunity diseases | 29,061 | 17,594 | 6,457 | 2,159 | 2,012 | 527 | 312 |
| Diabetes mellitus | 14,234 | 8,155 | 3,324 | 1,123 | 1,294 | 188 | 150 |
| Volume depletion | 1,290 | 910 | 221 | 79 | 46 | 21 | 13 |
| Morbid obesity | 3,793 | 2,129 | 1,089 | 402 | 53 | 77 | 43 |
| Diseases of the blood and blood forming organs | 5,689 | 3,400 | 958 | 965 | 181 | 137 | 48 |
| Mental disorders | 74,628 | 49,161 | 12,480 | 6,123 | 4,991 | 1,208 | 665 |
| Psychoses | 45,119 | 29,695 | 7,663 | 3,810 | 2,933 | 664 | 354 |
| Alcoholic psychoses | 6,194 | 4,339 | 734 | 262 | 777 | 51 | 31 |
| Drug psychoses | 950† | 572 | 226 | 91 | 45 | * | 9 |
| Schizophrenic disorders | 9,867 | 5,969 | 1,850 | 1,358 | 453 | 177 | 60 |
| Manic-depressive disorders | 41,564 | 28,089 | 6,637 | 3,114 | 2,594 | 712 | 418 |
| Neurotic disorders | 17,029 | 11,453 | 2,553 | 907 | 1,717 | 246 | 153 |
| Anxiety states | 813 | 579 | 138 | 50 | 24 | 18 | * |
| Depression | 25,532 | 16,904 | 4,177 | 1,680 | 1,990 | 489 | 292 |
| Drug dependence | 3,069 | 1,815 | 853 | 234 | 126 | 27 | 14 |
| Nondependent abuse of drugs | 310† | 215 | 42 | 12 | 37 | * | * |
| Alcohol dependence | 8,280 | 5,799 | 971 | 334 | 1,053 | 81 | 42 |
| Diseases of the nervous system | 16,535 | 12,029 | 2,430 | 977 | 650 | 271 | 178 |
| Diseases of the eye and adnexa | 581 | 381 | 118 | 30 | 25 | 14 | 13 |
| Diseases of the ear and mastoid process | 539 | 371 | 95 | 20 | 34 | 11 | 8 |
| Diseases of the circulatory system | 94,949 | 72,249 | 12,013 | 5,261 | 2,661 | 1,729 | 1,036 |
| Heart disease | 63,402 | 48,911 | 7,720 | 3,255 | 1,720 | 1,093 | 703 |
| Acute myocardial infarction | 11,883 | 9,013 | 1,632 | 436 | 325 | 247 | 230 |
| Coronary arteriosclerosis | 4,832 | 3,802 | 593 | 154 | 106 | 111 | 66 |

**TABLE 4A-3 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | Race/ethnicity | | | | | |
|----------------------------------------------|--------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|------------------|
| | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Refused /Unknown |
| Other ischemic heart disease | 348 | 256 | 50 | 22 | 10 | 7 | * |
| Cardiac dysrhythmias | 13,262 | 11,153 | 1,144 | 392 | 270 | 190 | 113 |
| Cardiac arrest | 293 | 184 | 62 | 16 | 14 | 8 | 9 |
| Congestive heart failure | 2,095 | 1,591 | 247 | 107 | 89 | 38 | 23 |
| Cerebrovascular diseases | 21,148 | 16,106 | 2,665 | 1,146 | 534 | 452 | 245 |
| Diseases of the respiratory system | 34,434 | 24,798 | 5,423 | 2,054 | 1,292 | 586 | 281 |
| Acute bronchitis and bronchiolitis | 1,892 | 1,134 | 458 | 118 | 125 | 46 | 11 |
| Pneumonia | 8,944 | 6,759 | 1,242 | 419 | 307 | 157 | 60 |
| Chronic bronchitis | 3,825 | 3,230 | 288 | 205 | 38 | 39 | 25 |
| Asthma | 1,891 | 929 | 519 | 281 | 104 | 39 | 19 |
| COVID-19 | 38,827 | 25,214 | 8,582 | 1,831 | 1,761 | 859 | 580 |
| Diseases of the digestive system | 58,620 | 39,925 | 10,834 | 2,675 | 3,567 | 1,057 | 562 |
| Appendicitis | 2,440 | 1,495 | 680 | 69 | 101 | 59 | 36 |
| Noninfectious enteritis and colitis | 4,663 | 3,585 | 642 | 224 | 82 | 89 | 41 |
| Diverticula of intestine | 4,952 | 3,798 | 752 | 190 | 108 | 55 | 49 |
| Cholelithiasis | 2,867 | 1,794 | 701 | 88 | 200 | 58 | 26 |
| Diseases of the genitourinary system | 24,645 | 17,296 | 4,367 | 1,349 | 941 | 456 | 236 |
| Calculus of kidney and ureter | 350† | 272 | 52 | * | 10 | * | 6 |
| Diseases of the skin and subcutaneous tissue | 10,899 | 7,536 | 1,854 | 561 | 748 | 112 | 88 |
| Cellulitis and abscess | 7,349 | 5,350 | 1,096 | 317 | 451 | 76 | 59 |
| Diseases of the musculoskeletal system | 26,169 | 20,556 | 2,765 | 1,165 | 804 | 588 | 291 |
| Osteoarthritis and allied disorders | 6,472 | 5,559 | 327 | 192 | 100 | 225 | 69 |
| Invertebral disc disorders | 2,158 | 1,731 | 235 | 87 | 44 | 35 | 26 |
| Congenital anomalies | 2,221 | 1,337 | 625 | 109 | 74 | 56 | 20 |
| Conditions originating in perinatal period | 1,941 | 966 | 627 | 111 | 119 | 68 | 50 |
| Symptoms signs and ill-defined conditions | 10,957 | 7,937 | 1,610 | 647 | 441 | 201 | 121 |
| Injury and poisoning | 67,084 | 47,925 | 10,548 | 3,255 | 3,281 | 1,097 | 978 |
| Fractures, all sites | 22,068 | 17,337 | 2,704 | 631 | 799 | 273 | 324 |
| Fracture of neck of femur | 7,630 | 6,573 | 641 | 107 | 132 | 102 | 75 |
| Poisonings | 4,920 | 3,128 | 973 | 381 | 269 | 77 | 92 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Excluding newborn infants.

**TABLE 4A-4
NUMBER OF DISCHARGES^a BY PRIMARY PAYER, GENDER, AGE GROUP, RACE/ETHNICITY,
AND MARITAL STATUS, ARIZONA, 2021**

| Selected characteristics | | Total | Self-pay | Private insurance (indemnity, HMO, PPO) | AHCCCS/Medicaid | Medicare | Other |
|---------------------------------|-----------------------------------------|---------|----------|-----------------------------------------|-----------------|----------|--------|
| Total | | 678,607 | 14,189 | 162,581 | 194,085 | 215,396 | 92,356 |
| Gender | Male | 315,085 | 7,283 | 65,890 | 87,430 | 107,372 | 47,110 |
| | Female | 363,466 | 6,898 | 96,680 | 106,635 | 108,016 | 45,237 |
| | Unknown | 56 | 8 | 11 | 20 | 8 | 9 |
| Age group | Children <15 years | 26,382 | 497 | 9,018 | 15,954 | 38 | 875 |
| | Adolescents 15-19 years | 19,587 | 459 | 6,712 | 11,673 | 64 | 679 |
| | Young adults 20-44 years | 195,255 | 7,304 | 70,788 | 100,298 | 6,570 | 10,295 |
| | Middle-aged adults 45-64 years | 168,957 | 5,165 | 59,374 | 61,680 | 23,577 | 19,161 |
| | Elderly 65+ years | 268,396 | 740 | 16,689 | 4,476 | 185,145 | 61,346 |
| | Unknown | 30† | 24 | 0 | * | * | 0 |
| Race/ethnicity | White non-Hispanic | 455,417 | 7,938 | 114,518 | 89,742 | 173,464 | 69,755 |
| | Hispanic or Latino | 130,123 | 4,264 | 28,539 | 62,808 | 21,641 | 12,871 |
| | Black or African American | 40,206 | 1,004 | 8,469 | 18,106 | 7,958 | 4,669 |
| | American Indian or Alaska Native | 31,199 | 432 | 3,761 | 17,781 | 6,911 | 2,314 |
| | Asian or Pacific Islander | 14,236 | 263 | 5,198 | 3,514 | 3,603 | 1,658 |
| | Refused/Unknown | 7,426 | 288 | 2,096 | 2,134 | 1,819 | 1,089 |
| Patient's marital status | Single | 280,544 | 7,419 | 63,174 | 138,007 | 44,990 | 26,954 |
| | Married | 268,591 | 5,388 | 85,094 | 34,556 | 103,732 | 39,821 |
| | Separated | 4,978 | 99 | 890 | 2,173 | 1,146 | 670 |
| | Divorced | 52,572 | 639 | 8,243 | 12,919 | 20,830 | 9,941 |
| | Widowed | 64,207 | 259 | 3,602 | 3,744 | 42,854 | 13,748 |
| | Not Applicable | 20† | 0 | * | 20 | 0 | * |
| | Unknown | 7,692 | 385 | 1,577 | 2,666 | 1,844 | 1,220 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Excluding newborn infants.

**TABLE 4A-5
AVERAGE LENGTH OF STAY FOR DISCHARGES* BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2021**

| Category of first-listed diagnosis | All ages | Patient's age group | | | | | |
|--------------------------------------------------------------|----------|---------------------|-------------------------|--------------------------|--------------------------------|-------------------|---------|
| | | Children <15 years | Adolescents 15-19 years | Young adults 20-44 years | Middle-aged adults 45-64 years | Elderly 65+ years | Unknown |
| All conditions | 5.5 | 6.0 | 6.4 | 4.5 | 6.1 | 5.7 | 2.7 |
| Infectious and parasitic diseases | 7.5 | 4.8 | 5.4 | 6.6 | 8.3 | 7.4 | 9.0 |
| Septicemia | 7.7 | 6.6 | 5.1 | 6.8 | 8.5 | 7.5 | 9.0 |
| Enterocolitis due to <i>Clostridium difficile</i> | 5.6 | 6.0 | 2.8 | 4.7 | 5.0 | 6.0 | 0.0 |
| Neoplasms | 6.2 | 12.0 | 8.2 | 5.6 | 5.9 | 6.2 | 0.0 |
| Malignant neoplasms | 6.6 | 13.8 | 9.9 | 7.1 | 6.4 | 6.3 | 0.0 |
| Large intestine | 6.2 | 0.0 | 0.0 | 5.8 | 5.7 | 6.5 | 0.0 |
| Prostate | 2.5 | 0.0 | 0.0 | 2.0 | 2.0 | 2.8 | 0.0 |
| Trachea bronchus and lung | 5.6 | 20.7 | 7.0 | 5.8 | 5.5 | 5.6 | 0.0 |
| Breast | 3.9 | 0.0 | 1.0 | 3.8 | 3.8 | 4.0 | 0.0 |
| Benign neoplasms | 3.6 | 3.1 | 4.3 | 2.7 | 3.4 | 4.7 | 0.0 |
| Endocrine nutritional metabolic and immunity diseases | 4.1 | 4.0 | 3.4 | 2.9 | 4.4 | 4.9 | 0.0 |
| Diabetes mellitus | 4.8 | 2.7 | 2.6 | 3.4 | 5.3 | 6.0 | 0.0 |
| Volume depletion | 3.3 | 3.5 | 3.3 | 2.3 | 3.2 | 3.4 | 0.0 |
| Morbid obesity | 1.5 | 4.5 | 1.2 | 1.4 | 1.5 | 1.8 | 0.0 |
| Diseases of the blood and blood forming organs | 4.6 | 4.3 | 4.8 | 5.1 | 4.3 | 4.6 | 0.0 |
| Mental disorders | 8.6 | 11.6 | 9.7 | 7.7 | 8.5 | 11.2 | 5.8 |
| Psychoses | 8.6 | 12.2 | 10.0 | 7.8 | 8.4 | 11.2 | 5.0 |
| Alcoholic psychoses | 5.1 | 0.0 | 6.6 | 4.6 | 5.3 | 7.1 | 0.0 |
| Drug psychoses | 4.8 | 13.2 | 6.8 | 4.5 | 4.6 | 5.8 | 0.0 |
| Schizophrenic disorders | 12.2 | 18.5 | 13.7 | 11.7 | 12.6 | 16.8 | 6.0 |
| Manic-depressive disorders | 8.6 | 11.4 | 9.6 | 7.3 | 8.7 | 11.8 | 8.0 |
| Neurotic disorders | 5.6 | 9.2 | 7.5 | 4.7 | 5.3 | 7.0 | 0.0 |
| Anxiety states | 5.7 | 7.1 | 5.8 | 4.8 | 5.8 | 7.3 | 0.0 |
| Depression | 7.8 | 10.4 | 8.4 | 6.7 | 7.8 | 11.1 | 8.0 |
| Drug dependence | 5.7 | 11.6 | 7.0 | 5.5 | 6.1 | 6.1 | 0.0 |
| Nondependent abuse of drugs | 4.0 | 8.0 | 5.6 | 3.7 | 4.1 | 4.0 | 0.0 |
| Alcohol dependence | 5.1 | 0.0 | 5.7 | 4.6 | 5.2 | 7.1 | 0.0 |
| Diseases of the nervous system | 6.2 | 3.8 | 4.1 | 5.0 | 6.3 | 7.0 | 1.7 |
| Diseases of the eye and adnexa | 4.4 | 9.2 | 1.9 | 3.9 | 4.2 | 3.6 | 0.0 |
| Diseases of the ear and mastoid process | 2.8 | 2.6 | 2.7 | 2.6 | 2.9 | 3.0 | 0.0 |
| Diseases of the circulatory system | 4.9 | 9.1 | 6.4 | 4.8 | 5.0 | 4.8 | 0.0 |
| Heart disease | 4.4 | 11.8 | 5.2 | 4.2 | 4.5 | 4.4 | 0.0 |
| Acute myocardial infarction | 4.1 | 0.0 | 0.5 | 3.4 | 3.8 | 4.3 | 0.0 |
| Coronary arteriosclerosis | 4.7 | 2.0 | 0.0 | 4.5 | 4.4 | 4.9 | 0.0 |

TABLE 4A-5 (continued)
AVERAGE LENGTH OF STAY FOR DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2021

| Category of first-listed diagnosis | All ages | Patient's age group | | | | | Unknown |
|----------------------------------------------|----------|---------------------|-------------------------|--------------------------|--------------------------------|-------------------|---------|
| | | Children <15 years | Adolescents 15-19 years | Young adults 20-44 years | Middle-aged adults 45-64 years | Elderly 65+ years | |
| Other ischemic heart disease | 2.3 | 0.0 | 0.0 | 2.3 | 1.9 | 2.5 | 0.0 |
| Cardiac dysrhythmias | 3.1 | 4.3 | 3.4 | 2.9 | 3.4 | 3.1 | 0.0 |
| Cardiac arrest | 3.3 | 13.4 | 1.5 | 3.5 | 4.4 | 2.2 | 0.0 |
| Congestive heart failure | 5.4 | 41.3 | 7.0 | 5.1 | 5.3 | 5.1 | 0.0 |
| Cerebrovascular diseases | 6.4 | 6.3 | 17.7 | 7.3 | 7.0 | 6.0 | 0.0 |
| Diseases of the respiratory system | 5.5 | 3.2 | 5.0 | 5.5 | 6.3 | 5.9 | 0.0 |
| Acute bronchitis and bronchiolitis | 2.8 | 2.7 | 2.5 | 3.2 | 3.3 | 3.6 | 0.0 |
| Pneumonia | 4.7 | 2.7 | 4.4 | 4.0 | 4.8 | 5.0 | 0.0 |
| Chronic bronchitis | 4.1 | 0.0 | 0.0 | 3.0 | 4.0 | 4.2 | 0.0 |
| Asthma | 2.5 | 1.6 | 2.8 | 2.8 | 3.3 | 3.3 | 0.0 |
| COVID-19 | 7.7 | 3.8 | 6.5 | 6.5 | 8.3 | 7.7 | 0.0 |
| Diseases of the digestive system | 4.6 | 4.4 | 4.2 | 4.1 | 4.6 | 4.8 | 0.0 |
| Appendicitis | 3.5 | 3.8 | 3.3 | 2.7 | 3.5 | 4.1 | 0.0 |
| Noninfectious enteritis and colitis | 4.5 | 4.9 | 6.0 | 4.0 | 4.4 | 4.6 | 0.0 |
| Diverticula of intestine | 4.4 | 9.0 | 3.7 | 4.0 | 4.2 | 4.7 | 0.0 |
| Cholelithiasis | 3.3 | 1.6 | 2.2 | 2.6 | 3.1 | 3.8 | 0.0 |
| Diseases of the genitourinary system | 4.1 | 3.2 | 3.2 | 3.0 | 4.2 | 4.5 | 0.0 |
| Calculus of kidney and ureter | 2.5 | 2.0 | 1.7 | 2.1 | 2.3 | 3.0 | 0.0 |
| Diseases of the skin and subcutaneous tissue | 4.2 | 2.5 | 3.6 | 3.6 | 4.4 | 4.8 | 0.0 |
| Cellulitis and abscess | 3.9 | 2.2 | 2.7 | 3.1 | 3.8 | 4.4 | 0.0 |
| Diseases of the musculoskeletal system | 3.8 | 4.2 | 4.3 | 4.0 | 3.7 | 3.8 | 4.0 |
| Osteoarthritis and allied disorders | 1.8 | 0.0 | 2.0 | 1.9 | 1.7 | 1.9 | 0.0 |
| Invertebral disc disorders | 3.8 | 0.0 | 2.8 | 2.6 | 3.5 | 4.5 | 0.0 |
| Congenital anomalies | 7.4 | 9.7 | 2.9 | 3.9 | 5.4 | 6.0 | 0.0 |
| Conditions originating in perinatal period | 7.4 | 7.4 | 2.0 | 6.5 | 0.0 | 0.0 | 0.0 |
| Symptoms signs and ill-defined conditions | 4.1 | 2.8 | 2.9 | 3.7 | 3.9 | 4.5 | 0.0 |
| Injury and poisoning | 5.8 | 4.2 | 5.1 | 5.5 | 6.1 | 5.9 | 1.7 |
| Fractures, all sites | 5.5 | 2.6 | 4.0 | 4.6 | 5.3 | 5.9 | 1.0 |
| Fracture of neck of femur | 4.9 | 1.9 | 2.8 | 4.7 | 4.9 | 4.9 | 0.0 |
| Poisonings | 4.0 | 2.6 | 3.2 | 3.7 | 4.6 | 5.3 | 1.5 |

Note: ^a Excluding newborn infants.



4B.

INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES AND PATIENT CHARACTERISTICS

The data on the number of procedures in this section are for inpatients only. Procedures include surgical and non-surgical operations, diagnostic procedures, and special treatments reported on the medical record. Up to six procedures were included for each discharge. These all-listed procedures include all occurrences of the procedure regardless of the order on the medical record. For comparability with the national data*, the rates of all-listed procedures are presented per 10,000 population.

Beginning in 2008, Arizona hospitals may report up to 12 surgical and non-surgical procedures per record, doubling the previously required number. However, not all hospitals have been able to meet the revised requirements. This is one reason why, in our 2008-2015 reports, we only analyzed the top six procedures. Another reason is comparability with the previously published data for 2000-2007. Starting with the 2016 report, all the 12 listed procedures in the database are being taken into account in our analysis.

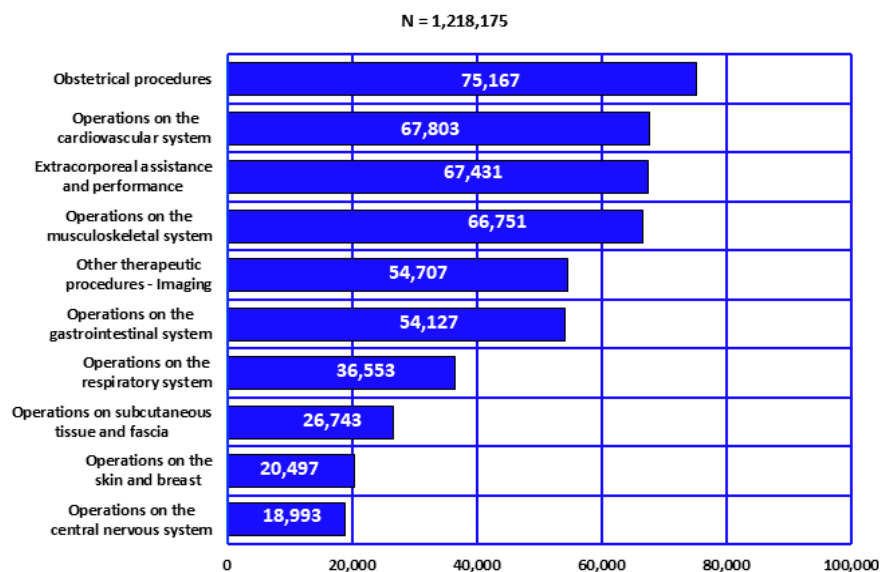
During 2015, all Arizona Hospitals transitioned to the International Classification of Diseases, 10th Revision, and Procedure Coding System (ICD-10-PCS) for coding inpatient procedures. ICD-10-PCS was implemented on October 1, 2015 in replacement of the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).

In the current report, procedure groupings and codes are based on ICD-10-PCS. ICD-10-PCS is structurally different and far more detailed with about 72,000 procedure codes than ICD-9-CM, which includes only 3,824 procedure codes. Due to the fundamental differences in coding systems, caution should be exercised in comparing 2019 hospital discharge data with data from years prior 2016. For further explanation of ICD-10-CM transition, please refer to "[The Implementation of the International Classification of Disease, Tenth Revision](#)".

*Findings of the National Hospital Discharge Survey, including estimates of the number of specific procedure categories, are available in bound reports of the National Center for Health Statistics and online at <http://www.cdc.gov/nchs/nhds.htm>. The survey collects the data on up to four surgical and non-surgical procedures.

4B. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES AND PATIENT CHARACTERISTICS

Figure 4B-1
Ten Leading Categories of All-listed Inpatient Procedures,
Arizona Residents, 2021

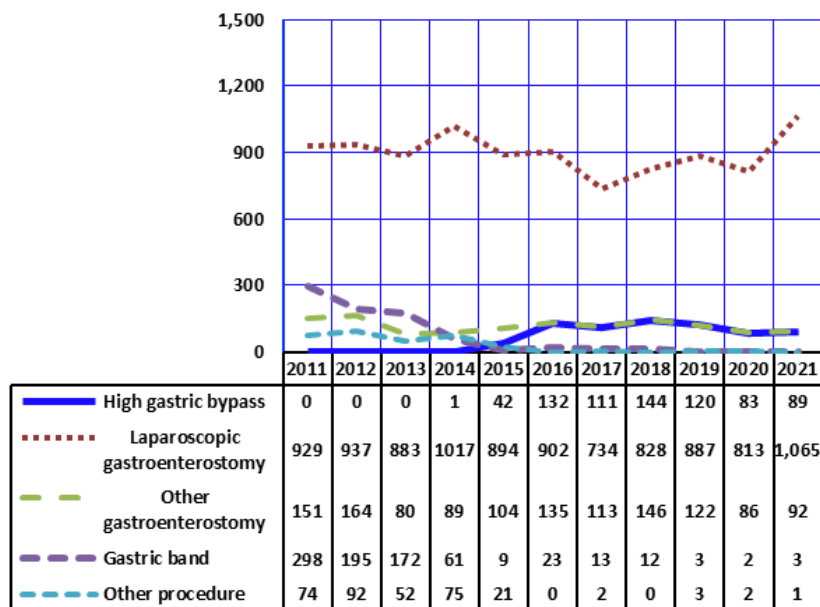


Note: Excludes newborn infants.

During 2021, 1,218,175 procedures were performed among the 678,607 (Table 4A-1) total inpatient discharges to Arizona residents. The 2021 rate of procedures was 1672.1 per 10,000 population, representing an increase from the 2020 rate of 1556.2 per 10,000.

No specific procedure was recorded for 37.5 percent of all inpatient discharges. Only 2.1 percent of inpatients had six procedures reported while 1.0 of inpatients had 12 procedures recorded. Among the inpatient discharges which had one or more specific procedures recorded, the most frequent were *obstetrical procedures*, followed by *operations on the cardiovascular system*, and *extracorporeal assistance and performance* (Figure 4B-1, Table 4B-1).

Figure 4B-2
Trends in Types of Inpatient Procedures Performed in Treatment of Morbid Obesity, Arizona Residents, 2011-2021



Note: The frequency counts in Figure 4B-2 are based on the principal procedure. The tabulated data use all twelve listed procedures.

Bariatrics is a branch of medicine that deals with the surgical treatment of obesity. Bariatric surgery has seen a rather dramatic increase in its popularity. A typical candidate for gastrointestinal surgery has a body mass index (BMI) of 40 or more – about 100 pounds overweight for men and 80 pounds for women. Bariatric surgery may also be considered for someone whose BMI is between 35 and 39.9 and who has a serious obesity-related health problem (such as type 2-diabetes, heart disease, or severe sleep apnea).

In 2021, *morbid obesity* was the principal diagnosis for 3,793 inpatient hospitalizations (Table 4A-1). The number of *gastric bypass* surgeries, once the most common bariatric procedure, declined from a recent high of 2,123 in 2003 to fewer than 10 gastric bypass surgeries being completed collectively between 2007-2014. Since 2015, the number of *gastric bypass procedures* has seen a dramatic increase (Figure 4B-2). As in any years since 2011, *laparoscopic gastroenterostomy* remained the most popular procedure, with 1,065 surgeries performed in 2021.

**TABLE 4B-1
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2021**

| Procedures by category | Total | Age group | | | | | Un- known |
|-----------------------------------------------------|-----------|-----------------------|------------------------------------|-----------------------------------|---------------------------------------------|----------------------|--------------|
| | | Children <15 years | Adoles- cents 15-19 years | Young adults 20-44 years | Middle- aged adults 45-64 years | Elderly 65+ years | |
| All procedures | 1,218,175 | 54,582 | 23,693 | 340,703 | 326,307 | 472,793 | 97 |
| Operations on the central nervous system | 18,993 | 1,790 | 534 | 5,096 | 4,838 | 6,732 | * |
| Spinal tap | 7,282 | 1,294 | 169 | 1,333 | 1,878 | 2,605 | * |
| Operations on the peripheral nervous system | 6,864 | 61 | 115 | 1,036 | 2,390 | 3,262 | 0 |
| Operations on the heart and great vessels | 67,803 | 2,322 | 552 | 7,458 | 21,241 | 36,225 | * |
| Heart transplant | 60† | 6 | * | 11 | 25 | 11 | 0 |
| Coronary artery bypass graft | 3,406 | 0 | 0 | 65 | 1,118 | 2,223 | 0 |
| Cardiac catheterization | 18,605 | 119 | 26 | 1,005 | 6,515 | 10,940 | 0 |
| Insertion, replacement, removal, of pacemaker leads | 4,840 | 32 | 13 | 120 | 826 | 3,849 | 0 |
| Operations on the upper arteries | 17,263 | 242 | 153 | 2,336 | 5,586 | 8,942 | * |
| Operations on the lower arteries | 7,754 | 348 | 64 | 784 | 2,045 | 4,508 | * |
| Operations on the upper veins | 18,936 | 181 | 134 | 3,003 | 6,158 | 9,459 | * |
| Operations on the lower veins | 10,706 | 1,174 | 83 | 1,257 | 3,464 | 4,722 | 6 |
| Operations on the lymphatic and hemic systems | 8,337 | 261 | 132 | 937 | 2,620 | 4,386 | * |
| Operations on the eye | 508 | 63 | 31 | 154 | 125 | 135 | 0 |
| Operations on the ear, nose, sinus | 1,027 | 155 | 43 | 252 | 266 | 311 | 0 |
| Operations on the respiratory system | 36,553 | 1,971 | 461 | 6,291 | 12,314 | 15,501 | 15 |
| Bronchoscopy with or without biopsy | 3,221 | 206 | 48 | 490 | 1,093 | 1,384 | 0 |
| Operations on the mouth and throat | 3,200 | 912 | 113 | 606 | 733 | 836 | 0 |
| Operations on the gastrointestinal system | 54,127 | 2,167 | 808 | 10,959 | 16,503 | 23,689 | * |
| Implantation of gastric band | 0† | 0 | 0 | * | * | * | 0 |
| Endoscopy of small intestine with or without biopsy | 13,757 | 278 | 209 | 2,593 | 4,131 | 6,546 | 0 |
| Endoscopy of large intestine with or without biopsy | 8,747 | 154 | 121 | 1,114 | 2,626 | 4,732 | 0 |
| Appendectomy, excluding incidental | 3,373 | 638 | 209 | 881 | 886 | 759 | 0 |
| Operations on the hepatobiliary system and pancreas | 14,057 | 136 | 251 | 2,879 | 4,385 | 6,404 | * |
| Cholecystectomy | 6,927 | 47 | 171 | 1,919 | 2,072 | 2,718 | 0 |
| Operations on the endocrine system | 970 | 22 | 22 | 185 | 365 | 376 | 0 |
| Operations on the skin and breast | 20,497 | 374 | 1,017 | 12,412 | 3,306 | 3,386 | * |
| Breast surgery | 860† | 0 | * | 204 | 387 | 266 | 0 |

**TABLE 4B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2021**

| Procedures by category | Total | Age group | | | | | Un- known |
|--------------------------------------------------------------|---------|-----------------------|------------------------------------|-----------------------------------|---------------------------------------------|----------------------|--------------|
| | | Children <15 years | Adoles- cents 15-19 years | Young adults 20-44 years | Middle- aged adults 45-64 years | Elderly 65+ years | |
| Operations on the subcutaneous tissue and fascia | 26,743 | 710 | 444 | 5,269 | 9,235 | 11,083 | * |
| Operations on the musculoskeletal system | 66,751 | 1,356 | 1,768 | 20,931 | 15,190 | 27,504 | * |
| Open reduction of fracture with or without internal fixation | 8,021 | 272 | 225 | 1,602 | 1,649 | 4,272 | * |
| Total hip replacement | 3,350† | * | * | 88 | 853 | 2,397 | 0 |
| Total knee replacement | 4,170† | * | * | 40 | 1,198 | 2,921 | 0 |
| Operations on the urinary system | 16,966 | 304 | 179 | 2,882 | 5,211 | 8,389 | * |
| Kidney transplant | 180† | * | * | 55 | 95 | 30 | 0 |
| Operations on the male reproductive system | 6,554 | 4,685 | 26 | 273 | 609 | 961 | 0 |
| Prostatectomy | 1,123 | 0 | 0 | 8 | 359 | 756 | 0 |
| Operations on the female reproductive system | 15,836 | 82 | 749 | 12,852 | 1,303 | 850 | 0 |
| Oophorectomy and salpingo-oophorectomy | 2,537 | 7 | 18 | 1,057 | 908 | 547 | 0 |
| Hysterectomy | 2,100† | 0 | * | 791 | 861 | 441 | 0 |
| Obstetrical procedures | 75,167 | 43 | 3,452 | 71,523 | 149 | 0 | 0 |
| Episiotomy with or without forceps or vacuum extraction | 2,504 | 7 | 191 | 2,300 | 6 | 0 | 0 |
| Artificial rupture of membranes | 22,426 | 19 | 1,152 | 21,218 | 37 | 0 | 0 |
| Cesarean section | 21,780† | * | 525 | 21,170 | 83 | 0 | 0 |
| Other therapeutic procedures - Imaging | 54,707 | 1,270 | 389 | 5,574 | 17,159 | 30,314 | * |
| Computerized tomography (CT Scan) | 2,446 | 106 | 34 | 388 | 767 | 1,151 | 0 |
| Magnetic resonance imaging (MRI) | 1,175 | 570 | 80 | 76 | 188 | 261 | 0 |
| Other therapeutic procedures - Nuclear medicine | 120† | 26 | 7 | * | 30 | 49 | 0 |
| Other therapeutic procedures - Radiation therapy | 161 | 10 | 6 | 23 | 56 | 66 | 0 |
| Extracorporeal assistance and performance | 67,431 | 4,037 | 576 | 9,498 | 22,667 | 30,637 | 16 |
| Hemodialysis | 20,723 | 22 | 41 | 2,895 | 8,435 | 9,330 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 4B-2
NUMBER OF PROCEDURES BY CATEGORY AND GENDER, ARIZONA, 2021**

| Procedures by category | Total | Patient's gender | | |
|-----------------------------------------------------|-----------|------------------|---------|---------|
| | | Male | Female | Unknown |
| All procedures | 1,218,175 | 575,766 | 642,278 | 131 |
| Operations on the central nervous system | 18,993 | 8,847 | 10,145 | * |
| Spinal tap | 7,282 | 3,829 | 3,453 | 0 |
| Operations on the peripheral nervous system | 6,864 | 3,696 | 3,167 | * |
| Operations on the heart and great vessels | 67,803 | 40,376 | 27,425 | * |
| Heart transplant | 55 | 46 | 9 | 0 |
| Coronary artery bypass graft | 3,406 | 2,670 | 736 | 0 |
| Cardiac catheterization | 18,605 | 11,774 | 6,831 | 0 |
| Insertion, replacement, removal, of pacemaker leads | 4,840 | 2,874 | 1,966 | 0 |
| Operations on the upper arteries | 17,263 | 9,942 | 7,320 | * |
| Operations on the lower arteries | 7,754 | 4,772 | 2,976 | 6 |
| Operations on the upper veins | 18,936 | 9,026 | 9,908 | * |
| Operations on the lower veins | 10,706 | 6,938 | 3,764 | * |
| Operations on the lymphatic and hemic systems | 8,337 | 4,454 | 3,883 | 0 |
| Operations on the eye | 508 | 329 | 179 | 0 |
| Operations on the ear, nose, sinus | 1,027 | 615 | 411 | * |
| Operations on the respiratory system | 36,553 | 20,888 | 15,656 | 9 |
| Bronchoscopy with or without biopsy | 3,221 | 1,885 | 1,336 | 0 |
| Operations on the mouth and throat | 3,200 | 1,985 | 1,213 | * |
| Operations on the gastrointestinal system | 54,127 | 25,330 | 28,796 | * |
| Implantation of gastric band | 0† | * | * | 0 |
| Endoscopy of small intestine with or without biopsy | 13,757 | 6,683 | 7,074 | 0 |
| Endoscopy of large intestine with or without biopsy | 8,747 | 4,210 | 4,537 | 0 |
| Appendectomy, excluding incidental | 3,373 | 1,684 | 1,689 | 0 |
| Operations on the hepatobiliary system and pancreas | 14,057 | 6,715 | 7,341 | * |
| Cholecystectomy | 6,927 | 2,996 | 3,931 | 0 |
| Operations on the endocrine system | 970 | 440 | 530 | 0 |
| Operations on the skin and breast | 20,497 | 5,826 | 14,668 | * |
| Breast surgery | 858 | 25 | 833 | 0 |

**TABLE 4B-2 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND GENDER, ARIZONA, 2021**

| Procedures by category | Total | Patient's gender | | |
|--------------------------------------------------------------|---------|------------------|--------|---------|
| | | Male | Female | Unknown |
| Operations on the subcutaneous tissue and fascia | 26,743 | 15,205 | 11,532 | 6 |
| Operations on the musculoskeletal system | 66,751 | 26,535 | 40,206 | 10 |
| Open reduction of fracture with or without internal fixation | 8,021 | 3,444 | 4,574 | * |
| Total hip replacement | 3,346 | 1,328 | 2,018 | 0 |
| Total knee replacement | 4,165 | 1,685 | 2,480 | 0 |
| Operations on the urinary system | 16,966 | 9,007 | 7,958 | * |
| Kidney transplant | 182 | 112 | 70 | 0 |
| Operations on the male reproductive system | 6,554 | 6,480 | 73 | * |
| Prostatectomy | 1,123 | 1,123 | 0 | 0 |
| Operations on the female reproductive system | 15,836 | 12 | 15,824 | 0 |
| Oophorectomy and salpingo-oophorectomy | 2,537 | 8 | 2,529 | 0 |
| Hysterectomy | 2,096 | 7 | 2,089 | 0 |
| Obstetrical procedures | 75,170† | * | 75,166 | 0 |
| Episiotomy with or without forceps or vacuum extraction | 2,504 | 0 | 2,504 | 0 |
| Artificial rupture of membranes | 22,426 | 0 | 22,426 | 0 |
| Cesarean section | 21,782 | 0 | 21,782 | 0 |
| Other therapeutic procedures - Imaging | 54,707 | 31,727 | 22,978 | * |
| Computerized tomography (CT Scan) | 2,446 | 1,314 | 1,132 | 0 |
| Magnetic resonance imaging (MRI) | 1,175 | 628 | 547 | 0 |
| Other therapeutic procedures - Nuclear medicine | 117 | 56 | 61 | 0 |
| Other therapeutic procedures - Radiation therapy | 161 | 83 | 78 | 0 |
| Extracorporeal assistance and performance | 67,431 | 39,933 | 27,487 | 11 |
| Hemodialysis | 20,723 | 11,775 | 8,948 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 4B-3
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2021**

| Procedures by category | Total | Race/ethnicity | | | | | |
|-----------------------------------------------------|-----------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|------------------|
| | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Refused /Unknown |
| All procedures | 1,218,175 | 799,420 | 250,963 | 66,065 | 57,812 | 27,771 | 16,144 |
| Operations on the central nervous system | 18,993 | 12,731 | 3,821 | 1,115 | 629 | 430 | 267 |
| Spinal tap | 7,282 | 4,729 | 1,468 | 505 | 292 | 178 | 110 |
| Operations on the peripheral nervous system | 6,864 | 5,357 | 866 | 257 | 167 | 117 | 100 |
| Operations on the heart and great vessels | 67,803 | 47,662 | 11,094 | 3,448 | 3,255 | 1,392 | 952 |
| Heart transplant | 60† | 34 | 13 | * | * | * | 0 |
| Coronary artery bypass graft | 3,406 | 2,612 | 478 | 80 | 89 | 92 | 55 |
| Cardiac catheterization | 18,605 | 14,172 | 2,454 | 824 | 534 | 338 | 283 |
| Insertion, replacement, removal, of pacemaker leads | 4,840 | 3,904 | 520 | 123 | 125 | 97 | 71 |
| Operations on the upper arteries | 17,263 | 11,602 | 3,261 | 938 | 881 | 330 | 251 |
| Operations on the lower arteries | 7,754 | 5,540 | 1,275 | 398 | 302 | 129 | 110 |
| Operations on the upper veins | 18,936 | 13,489 | 2,709 | 1,268 | 959 | 275 | 236 |
| Operations on the lower veins | 10,706 | 7,036 | 2,108 | 571 | 608 | 213 | 170 |
| Operations on the lymphatic and hemic systems | 8,337 | 6,127 | 1,312 | 381 | 189 | 240 | 88 |
| Operations on the eye | 508 | 292 | 118 | 39 | 41 | 9 | 9 |
| Operations on the ear, nose, sinus | 1,027 | 630 | 237 | 51 | 58 | 27 | 24 |
| Operations on the respiratory system | 36,553 | 24,011 | 7,092 | 2,267 | 1,811 | 754 | 618 |
| Bronchoscopy with or without biopsy | 3,221 | 2,148 | 626 | 180 | 143 | 67 | 57 |
| Operations on the mouth and throat | 3,200 | 1,959 | 716 | 251 | 139 | 87 | 48 |
| Operations on the gastrointestinal system | 54,127 | 36,754 | 10,271 | 2,838 | 2,396 | 1,236 | 632 |
| Implantation of gastric band | 0† | * | 0 | 0 | 0 | 0 | 0 |
| Endoscopy of small intestine with or without biopsy | 13,757 | 9,317 | 2,471 | 714 | 813 | 275 | 167 |
| Endoscopy of large intestine with or without biopsy | 8,747 | 6,244 | 1,419 | 442 | 372 | 178 | 92 |
| Appendectomy, excluding incidental | 3,373 | 2,127 | 881 | 98 | 139 | 80 | 48 |
| Operations on the hepatobiliary system and pancreas | 14,057 | 9,037 | 3,223 | 553 | 766 | 314 | 164 |
| Cholecystectomy | 6,927 | 4,291 | 1,802 | 231 | 402 | 125 | 76 |
| Operations on the endocrine system | 970 | 620 | 209 | 65 | 37 | 31 | 8 |
| Operations on the skin and breast | 20,497 | 11,939 | 5,620 | 1,108 | 1,035 | 502 | 293 |
| Breast surgery | 858 | 636 | 127 | 53 | 15 | 19 | 8 |

**TABLE 4B-3 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2021**

| Procedures by category | Total | Race/ethnicity | | | | | Refused /Unknown |
|--------------------------------------------------------------|--------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|------------------|
| | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | |
| Operations on the subcutaneous tissue and fascia | 26,743 | 17,150 | 5,197 | 1,661 | 1,885 | 516 | 334 |
| Operations on the musculoskeletal system | 66,751 | 47,289 | 11,559 | 2,745 | 2,507 | 1,796 | 855 |
| Open reduction of fracture with or without internal fixation | 8,021 | 5,902 | 1,231 | 300 | 347 | 111 | 130 |
| Total hip replacement | 3,346 | 2,947 | 149 | 87 | 45 | 86 | 32 |
| Total knee replacement | 4,165 | 3,455 | 262 | 147 | 89 | 167 | 45 |
| Operations on the urinary system | 16,966 | 12,129 | 2,982 | 721 | 553 | 406 | 175 |
| Kidney transplant | 182 | 87 | 56 | 21 | 8 | 8 | * |
| Operations on the male reproductive system | 6,554 | 4,645 | 981 | 452 | 125 | 275 | 76 |
| Prostatectomy | 1,120† | 891 | 131 | 55 | * | 27 | 14 |
| Operations on the female reproductive system | 15,836 | 7,482 | 5,884 | 1,136 | 661 | 505 | 168 |
| Oophorectomy and salpingo-oophorectomy | 2,537 | 1,494 | 634 | 195 | 76 | 91 | 47 |
| Hysterectomy | 2,096 | 1,204 | 515 | 197 | 57 | 84 | 39 |
| Obstetrical procedures | 75,167 | 36,255 | 27,251 | 5,105 | 2,901 | 2,808 | 847 |
| Episiotomy with or without forceps or vacuum extraction | 2,504 | 1,345 | 784 | 152 | 72 | 114 | 37 |
| Artificial rupture of membranes | 22,426 | 11,076 | 8,047 | 1,414 | 916 | 760 | 213 |
| Cesarean section | 21,782 | 10,649 | 7,443 | 1,682 | 828 | 913 | 267 |
| Other therapeutic procedures - Imaging | 54,707 | 39,688 | 8,442 | 2,524 | 2,390 | 964 | 699 |
| Computerized tomography (CT Scan) | 2,446 | 1,593 | 528 | 164 | 89 | 52 | 20 |
| Magnetic resonance imaging (MRI) | 1,175 | 658 | 303 | 106 | 71 | 26 | 11 |
| Other therapeutic procedures - Nuclear medicine | 120† | 76 | 21 | 6 | 9 | * | * |
| Other therapeutic procedures - Radiation therapy | 160† | 112 | 31 | 6 | 7 | * | 0 |
| Extracorporeal assistance and performance | 67,431 | 41,541 | 13,836 | 4,547 | 5,013 | 1,449 | 1,045 |
| Hemodialysis | 20,723 | 9,931 | 5,396 | 2,009 | 2,655 | 559 | 173 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 4B-4
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2021**

| Procedures by category | Total | Self-pay | Private insurance (indemnity, HMO, PPO) | AHCCCS/ Medicaid | Medicare | Other |
|-----------------------------------------------------|-----------|----------|-----------------------------------------|------------------|----------|---------|
| All procedures | 1,218,175 | 25,954 | 322,789 | 326,794 | 370,954 | 171,684 |
| Operations on the central nervous system | 18,993 | 419 | 5,453 | 5,340 | 5,282 | 2,499 |
| Spinal tap | 7,282 | 134 | 1,881 | 2,277 | 2,113 | 877 |
| Operations on the peripheral nervous system | 6,864 | 85 | 1,991 | 1,034 | 2,433 | 1,321 |
| Operations on the heart and great vessels | 67,803 | 967 | 13,062 | 13,893 | 29,261 | 10,620 |
| Heart transplant | 60† | * | 27 | 8 | 12 | * |
| Coronary artery bypass graft | 3,406 | 43 | 784 | 341 | 1,583 | 655 |
| Cardiac catheterization | 18,605 | 471 | 4,008 | 2,668 | 8,098 | 3,360 |
| Insertion, replacement, removal, of pacemaker leads | 4,840 | 27 | 702 | 334 | 2,865 | 912 |
| Operations on the upper arteries | 17,263 | 308 | 2,909 | 4,052 | 7,387 | 2,607 |
| Operations on the lower arteries | 7,754 | 118 | 1,344 | 1,462 | 3,430 | 1,400 |
| Operations on the upper veins | 18,936 | 324 | 2,956 | 4,582 | 6,901 | 4,173 |
| Operations on the lower veins | 10,706 | 207 | 2,302 | 2,936 | 3,645 | 1,616 |
| Operations on the lymphatic and hemic systems | 8,337 | 107 | 2,242 | 1,284 | 3,427 | 1,277 |
| Operations on the eye | 508 | 20 | 101 | 227 | 96 | 64 |
| Operations on the ear, nose, sinus | 1,027 | 21 | 328 | 294 | 257 | 127 |
| Operations on the respiratory system | 36,553 | 800 | 7,700 | 10,227 | 12,749 | 5,077 |
| Bronchoscopy with or without biopsy | 3,221 | 45 | 737 | 831 | 1,148 | 460 |
| Operations on the mouth and throat | 3,200 | 86 | 922 | 1,133 | 740 | 319 |
| Operations on the gastrointestinal system | 54,127 | 991 | 13,714 | 12,896 | 18,662 | 7,864 |
| Implantation of gastric band | 0† | 0 | * | * | * | 0 |
| Endoscopy of small intestine with or without biopsy | 13,757 | 218 | 2,764 | 3,469 | 5,234 | 2,072 |
| Endoscopy of large intestine with or without biopsy | 8,747 | 151 | 1,922 | 1,606 | 3,645 | 1,423 |
| Appendectomy, excluding incidental | 3,373 | 159 | 1,276 | 1,027 | 595 | 316 |
| Operations on the hepatobiliary system and pancreas | 14,057 | 333 | 3,627 | 3,290 | 4,966 | 1,841 |
| Cholecystectomy | 6,927 | 205 | 1,906 | 1,877 | 2,084 | 855 |
| Operations on the endocrine system | 970 | 12 | 330 | 195 | 308 | 125 |
| Operations on the skin and breast | 20,497 | 749 | 7,048 | 7,973 | 2,847 | 1,880 |
| Breast surgery | 858 | 34 | 419 | 112 | 217 | 76 |

**TABLE 4B-4 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2021**

| Procedures by category | Total | Self-pay | Private insurance (indemnity, HMO, PPO) | AHCCCS/Medicaid | Medicare | Other |
|--------------------------------------------------------------|--------|----------|-----------------------------------------|-----------------|----------|--------|
| Operations on the subcutaneous tissue and fascia | 26,743 | 506 | 5,122 | 7,501 | 9,817 | 3,797 |
| Operations on the musculoskeletal system | 66,751 | 1,330 | 19,257 | 14,761 | 20,853 | 10,550 |
| Open reduction of fracture with or without internal fixation | 8,021 | 212 | 1,388 | 1,737 | 3,238 | 1,446 |
| Total hip replacement | 3,346 | 26 | 635 | 231 | 1,679 | 775 |
| Total knee replacement | 4,165 | 16 | 970 | 207 | 2,122 | 850 |
| Operations on the urinary system | 16,966 | 326 | 4,250 | 3,164 | 6,781 | 2,445 |
| Kidney transplant | 182 | 0 | 80 | 8 | 77 | 17 |
| Operations on the male reproductive system | 6,554 | 258 | 3,560 | 1,525 | 692 | 519 |
| Prostatectomy | 1,123 | 16 | 328 | 63 | 523 | 193 |
| Operations on the female reproductive system | 15,836 | 455 | 6,723 | 7,144 | 720 | 794 |
| Oophorectomy and salpingo-oophorectomy | 2,537 | 124 | 1,075 | 685 | 425 | 228 |
| Hysterectomy | 2,096 | 98 | 949 | 521 | 343 | 185 |
| Obstetrical procedures | 75,167 | 2,489 | 34,564 | 34,729 | 190 | 3,195 |
| Episiotomy with or without forceps or vacuum extraction | 2,504 | 137 | 1,184 | 1,061 | 14 | 108 |
| Artificial rupture of membranes | 22,426 | 754 | 10,066 | 10,592 | 35 | 979 |
| Cesarean section | 21,782 | 642 | 10,571 | 9,591 | 75 | 903 |
| Other therapeutic procedures - Imaging | 54,707 | 1,093 | 11,051 | 10,252 | 21,768 | 10,543 |
| Computerized tomography (CT Scan) | 2,446 | 57 | 508 | 617 | 723 | 541 |
| Magnetic resonance imaging (MRI) | 1,175 | 32 | 337 | 488 | 151 | 167 |
| Other therapeutic procedures - Nuclear medicine | 120† | * | 29 | 35 | 41 | 11 |
| Other therapeutic procedures - Radiation therapy | 160† | * | 60 | 28 | 48 | 22 |
| Extracorporeal assistance and performance | 67,431 | 1,131 | 11,985 | 16,971 | 26,890 | 10,454 |
| Hemodialysis | 20,723 | 91 | 2,249 | 4,371 | 10,680 | 3,332 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.



4C.

CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY, DIAGNOSIS GROUP, AND AGE GROUP

This section focuses on ambulatory care visits to emergency rooms of non-Federal, short-stay hospitals. The emergency room (ER) and the inpatient hospitalization data are mutually exclusive. The ER data include only those who were not admitted as inpatients.

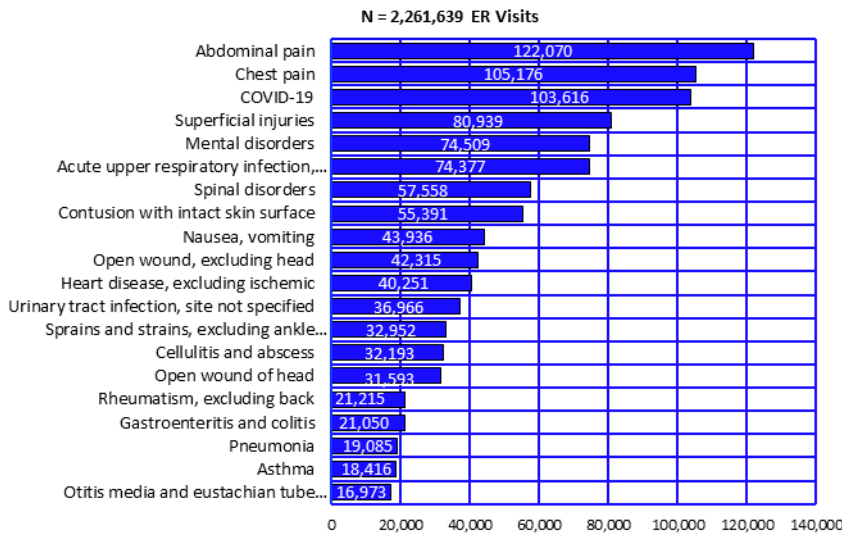
All emergency room visits are those of the residents of Arizona. Ambulatory care visits to hospital emergency rooms of out-of-state residents are not included in this report. In the current report, diagnostic groupings and code numbers are solely based on the International Classification of Diseases and Related Problems, 10th Revision, Clinical Modification ICD-10-CM. Prior to 2015, the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) was used to classify diseases and related health problems. On October 1, 2015, the US healthcare system transitioned from ICD-9-CM to ICD-10-CM, thus both ICD-9-CM and ICD-10-CM were used in the 2015 report of ER visits.

Please refer to "[The Implementation of the International Classification of Disease, Tenth Revision,](#)" for further explanation of ICD-10-CM transition.

*Findings of the National Hospital Ambulatory Medical Care Survey, including data on trends in ER utilization, are available in bound reports of the National Center for Health Statistics and online at <http://www.cdc.gov/nchs/ahcd.htm>

4C. CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY, DIAGNOSIS GROUP, AND AGE GROUP

Figure 4C-1
Number of Emergency Room Visits by the Leading Diagnostic Groupings, Arizona Residents, 2021



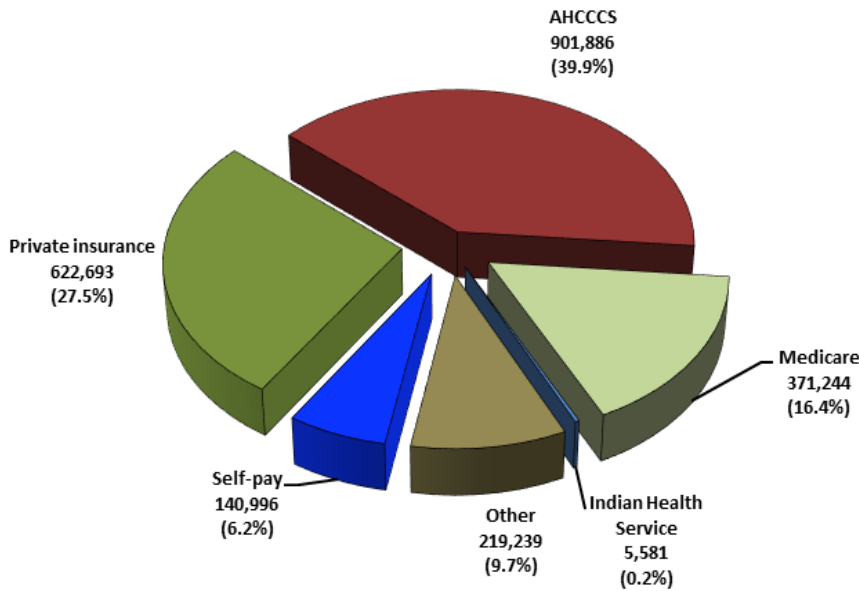
During 2021, approximately 2.2 million visits were made by Arizona residents to hospital emergency rooms (ER), which translate to 31.0 visits per 100 persons.

In 2021, *abdominal pain, chest pain, COVID-19, superficial injuries, mental disorders, acute upper respiratory infection, spinal disorders, and contusion with intact skin surface*, were the leading diagnostic categories, accounting for 29.8 percent of all visits (**Figure 4C-1, Table 4C-2**).

Notes: Based on first-listed diagnosis; See Table 4C-2.

[*www.cdc.gov/nchs/data/nhsr/nhsr007.pdf](http://www.cdc.gov/nchs/data/nhsr/nhsr007.pdf)

Figure 4C-2
Emergency Room Visits by Payer, Arizona Residents, 2021



The Arizona Health Care Cost Containment System (AHCCCS, the State’s Medicaid program) was the most frequently recorded expected source of payment, accounting for 39.9 percent of ER visits (**Figure 4C-3**). Private insurance was the second most frequent payer (27.5 percent of ER visits), followed by Medicare (16.4 percent).

Notes: Number of visits per 100 persons; The actual number of ER visits for each group is provided below the bars.

**TABLE 4C-1
NUMBER OF EMERGENCY ROOM VISITS BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2021**

| Category of first-listed diagnosis | All Ages | Age group | | | | | Unknown |
|--------------------------------------------------------------|-----------|--------------------|-------------------------|--------------------------|--------------------------------|-------------------|---------|
| | | Children <15 years | Adolescents 15-19 years | Young adults 20-44 years | Middle-aged adults 45-64 years | Elderly 65+ years | |
| Total, all causes | 2,261,639 | 320,975 | 126,423 | 818,225 | 531,665 | 464,109 | 242 |
| Infectious and parasitic diseases | 50,032 | 18,099 | 3,223 | 15,550 | 7,689 | 5,471 | 0 |
| Neoplasms | 6,410 | 167 | 90 | 1,445 | 2,128 | 2,580 | 0 |
| Endocrine nutritional metabolic and immunity diseases | 55,089 | 2,180 | 1,808 | 18,360 | 18,311 | 14,425 | * |
| Diabetes mellitus | 16,465 | 570 | 394 | 4,572 | 6,744 | 4,184 | * |
| Mental disorders | 74,509 | 3,063 | 5,448 | 39,484 | 19,525 | 6,941 | 48 |
| Psychoses | 49,095 | 1,116 | 3,051 | 26,761 | 13,879 | 4,246 | 42 |
| Alcoholic psychoses | 5,478 | 22 | 176 | 3,180 | 1,788 | 310 | * |
| Drug psychoses | 2,208 | 61 | 242 | 1,441 | 375 | 88 | * |
| Schizophrenic disorders | 790† | * | 16 | 454 | 278 | 36 | 0 |
| Manic-depressive disorders | 6,630 | 890 | 1,213 | 2,565 | 1,356 | 606 | 0 |
| Neurotic disorders | 62,718 | 2,722 | 4,526 | 33,147 | 17,051 | 5,231 | 41 |
| Anxiety states | 17,283 | 489 | 1,319 | 9,500 | 3,964 | 2,010 | * |
| Depression | 4,809 | 744 | 1,028 | 1,724 | 870 | 443 | 0 |
| Drug dependence | 2,716 | 6 | 155 | 1,768 | 581 | 206 | 0 |
| Nondependent abuse of drugs | 8,977 | 101 | 585 | 5,822 | 2,138 | 319 | 12 |
| Alcohol dependence | 6,605 | 0 | 18 | 3,544 | 2,615 | 427 | * |
| Diseases of the nervous system | 53,852 | 2,456 | 2,511 | 21,880 | 15,744 | 11,253 | 8 |
| Diseases of the eye and adnexa | 17,399 | 3,014 | 803 | 5,751 | 4,523 | 3,308 | 0 |
| Diseases of the ear and mastoid process | 32,281 | 14,373 | 1,624 | 8,468 | 4,500 | 3,316 | 0 |
| Diseases of the circulatory system | 82,268 | 1,038 | 725 | 11,740 | 26,664 | 42,054 | 47 |
| Diseases of the respiratory system | 170,475 | 66,242 | 10,473 | 46,343 | 25,875 | 21,540 | * |
| Acute bronchitis and bronchiolitis | 14,964 | 7,898 | 385 | 3,208 | 2,143 | 1,330 | 0 |
| Pneumonia | 19,085 | 2,903 | 594 | 5,010 | 5,139 | 5,439 | 0 |
| COVID-19 | 103,616 | 7,432 | 4,017 | 39,080 | 32,048 | 21,039 | 0 |
| Chronic bronchitis | 8,910† | 14 | * | 310 | 3,542 | 5,036 | 0 |
| Asthma | 18,416 | 5,870 | 1,306 | 7,001 | 3,105 | 1,134 | 0 |
| Diseases of the digestive system | 154,488 | 15,830 | 6,816 | 60,004 | 40,156 | 31,680 | * |
| Diseases of the genitourinary system | 135,691 | 8,890 | 8,203 | 56,789 | 31,174 | 30,634 | 0 |
| Diseases of the skin and subcutaneous tissue | 74,358 | 9,759 | 3,976 | 30,012 | 18,724 | 11,887 | * |
| Diseases of the musculoskeletal system | 151,752 | 7,279 | 5,832 | 51,833 | 48,518 | 38,285 | * |
| Symptoms signs and ill-defined conditions | 533,323 | 64,917 | 28,593 | 188,361 | 135,104 | 116,294 | 54 |
| Injury and poisoning | 450,908 | 84,722 | 33,841 | 148,887 | 90,243 | 93,163 | 52 |
| Fractures, all sites | 70,905 | 14,011 | 4,399 | 18,458 | 15,575 | 18,458 | * |
| Sprains | 42,274 | 5,848 | 4,759 | 16,856 | 9,392 | 5,419 | 0 |
| Intracranial | 14,517 | 2,389 | 1,858 | 4,982 | 2,429 | 2,858 | * |
| Open wounds | 95,659 | 20,533 | 6,403 | 32,773 | 16,658 | 19,271 | 21 |
| Superficial injuries | 80,939 | 15,315 | 5,617 | 25,295 | 16,102 | 18,603 | 7 |
| Cutsions with intact skin surface | 55,391 | 9,095 | 3,708 | 16,749 | 11,355 | 14,479 | * |
| Foreign bodies | 10,734 | 4,194 | 456 | 2,883 | 1,714 | 1,487 | 0 |
| Burns and corrosions | 6,917 | 1,682 | 527 | 2,730 | 1,397 | 579 | * |
| Trauma complications and unspecified injuries | 26,178 | 7,079 | 1,643 | 6,311 | 4,016 | 7,126 | * |
| Poisonings | 13,171 | 1,827 | 2,094 | 6,234 | 2,042 | 972 | * |
| Surgical and medical complications | 15,664 | 717 | 285 | 3,250 | 4,470 | 6,942 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 4C-2
NUMBER OF EMERGENCY ROOM VISITS FOR THE LEADING DIAGNOSIS GROUPS^a AND AGE GROUP, ARIZONA, 2021**

| Primary diagnosis group | All Ages | Age group | | | | | Unknown |
|-----------------------------------------------------------------|-----------|--------------------|-------------------------|--------------------------|--------------------------------|-------------------|---------|
| | | Children <15 years | Adolescents 15-19 years | Young adults 20-44 years | Middle-aged adults 45-64 years | Elderly 65+ years | |
| Total, all causes | 2,261,639 | 320,975 | 126,423 | 818,225 | 531,665 | 464,109 | 242 |
| Abdominal pain | 122,070 | 12,438 | 8,423 | 53,875 | 30,076 | 17,258 | 0 |
| Chest pain | 105,176 | 2,237 | 3,715 | 38,132 | 36,623 | 24,467 | * |
| COVID-19 | 103,616 | 7,432 | 4,017 | 39,080 | 32,048 | 21,039 | 0 |
| Superficial injuries | 80,939 | 15,315 | 5,617 | 25,295 | 16,102 | 18,603 | 7 |
| Mental disorders | 74,509 | 3,063 | 5,448 | 39,484 | 19,525 | 6,941 | 48 |
| Acute upper respiratory infection, excluding pharyngitis | 74,377 | 44,699 | 3,459 | 15,889 | 6,814 | 3,516 | 0 |
| Spinal disorders | 57,558 | 1,192 | 1,718 | 20,890 | 19,212 | 14,545 | * |
| Contusion with intact skin surface | 55,391 | 9,095 | 3,708 | 16,749 | 11,355 | 14,479 | * |
| Nausea, vomiting | 43,936 | 12,884 | 3,343 | 17,095 | 6,336 | 4,277 | * |
| Open wound, excluding head | 42,315 | 4,017 | 3,476 | 18,891 | 8,793 | 7,126 | 12 |
| Heart disease, excluding ischemic | 40,251 | 298 | 274 | 4,810 | 12,699 | 22,126 | 44 |
| Urinary tract infection, site not specified | 36,966 | 3,881 | 1,821 | 10,846 | 7,417 | 13,000 | * |
| Sprains and strains, excluding ankle and back | 32,952 | 4,018 | 3,177 | 12,825 | 8,037 | 4,895 | 0 |
| Cellulitis and abscess | 32,193 | 2,464 | 1,020 | 12,487 | 9,516 | 6,706 | 0 |
| Open wound of head | 31,593 | 8,984 | 2,005 | 7,622 | 4,637 | 8,341 | * |
| Rheumatism, excluding back | 21,215 | 732 | 758 | 7,612 | 6,950 | 5,162 | * |
| Gastroenteritis and colitis | 21,050 | 3,600 | 1,179 | 7,978 | 4,800 | 3,493 | 0 |
| Pneumonia | 19,085 | 2,903 | 594 | 5,010 | 5,139 | 5,439 | 0 |
| Asthma | 18,416 | 5,870 | 1,306 | 7,001 | 3,105 | 1,134 | 0 |
| Otitis media and eustachian tube disorders | 16,973 | 11,752 | 687 | 3,041 | 1,038 | 455 | 0 |
| Fever | 16,342 | 11,699 | 474 | 1,901 | 1,208 | 1,060 | 0 |
| Acute pharyngitis | 13,905 | 3,634 | 1,940 | 6,117 | 1,523 | 691 | 0 |
| Chronic and unspecified bronchitis | 12,373 | 265 | 148 | 1,690 | 4,518 | 5,752 | 0 |
| Migraine | 12,136 | 428 | 888 | 6,593 | 3,476 | 751 | 0 |
| Sprains and strains of neck and back | 3,225 | 134 | 285 | 1,618 | 844 | 344 | 0 |
| Unspecified viral and chlamydial infection | 180† | 15 | 37 | 122 | * | 0 | 0 |
| Headache | 40† | * | * | 25 | 6 | * | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Based on first-listed diagnosis.



4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Prior to 2009, injury hospitalizations and injury-related emergency room visits were defined here through the range of ICD-9-CM codes 800-999 used as the first-listed diagnosis. In addition, the supplementary classification of external causes of injury and poisoning (ICD-9-CM codes E800–E999) is used to permit the classification of environmental events, circumstances, and conditions as the cause of injury, poisoning, and other adverse effects. The “E” code classification is used to describe both the *mechanism* of external cause of injury (e.g., motor vehicle traffic, fall, poisoning), but also the manner or *intent* of the injury (e.g., suicide, assault, accident).

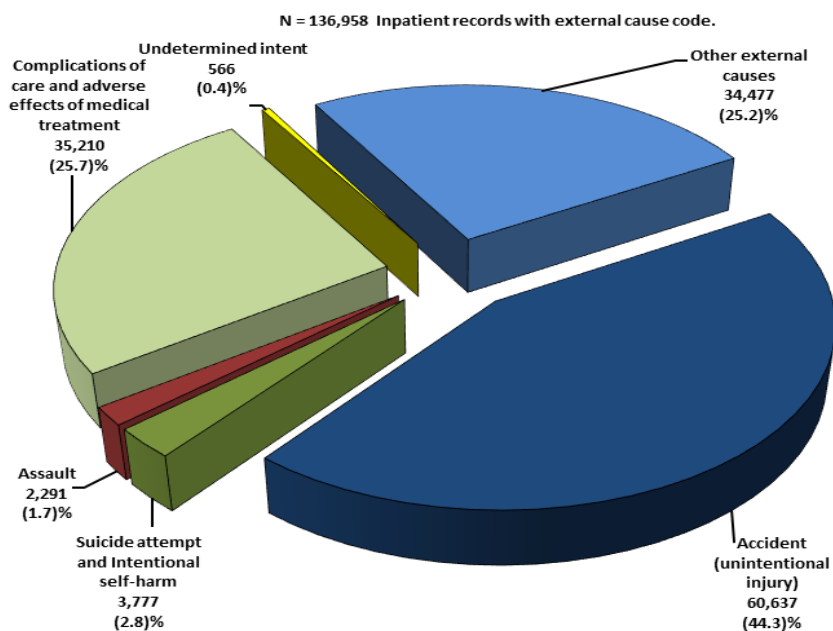
In 2009, the reporting requirements for hospitals were revised and the non-injury first-listed diagnoses may also have an external cause of injury code (E-code). Beginning with the 2009 edition of this report, the reader is advised that the number of suicides, accidents, etc. shown in **Table 4D-1** and **Table 4D-2** no longer reflect only those where the principal diagnosis was an injury. To continue to do so would only mean undercounting the external causes of injury. As an example, in 2009 forward, among the suicide attempt-related ER visits, *injury and poisoning, mental disorders, chronic disease, infectious disease, or ill-defined conditions* were identified as the first-listed diagnosis.

In 2015, injury hospitalizations and injury-related emergency room visits data were recorded and classified using ICD-9-CM in the first three quarters of the year and ICD-10-CM in the last quarter. Under ICD-10-CM, external causes of morbidity capture how and where the injury or health condition occurred, the intent or mechanism (accidental or intentional), the activity of the patient at the time of the event and the patient’s status (for example civilian, student). For further explanation of ICD-10-CM transition, please refer to [“The Implementation of the International Classification of Disease, Tenth Revision”](#).

Beginning 2016, injury hospitalizations and injury-related emergency room visits are coded exclusively based on ICD-10-CM, external causes of morbidity. Readers are advised to avoid comparison of current year data to years prior 2015 due to a changeover in coding from ICD-9-CM and ICD-10-CM.

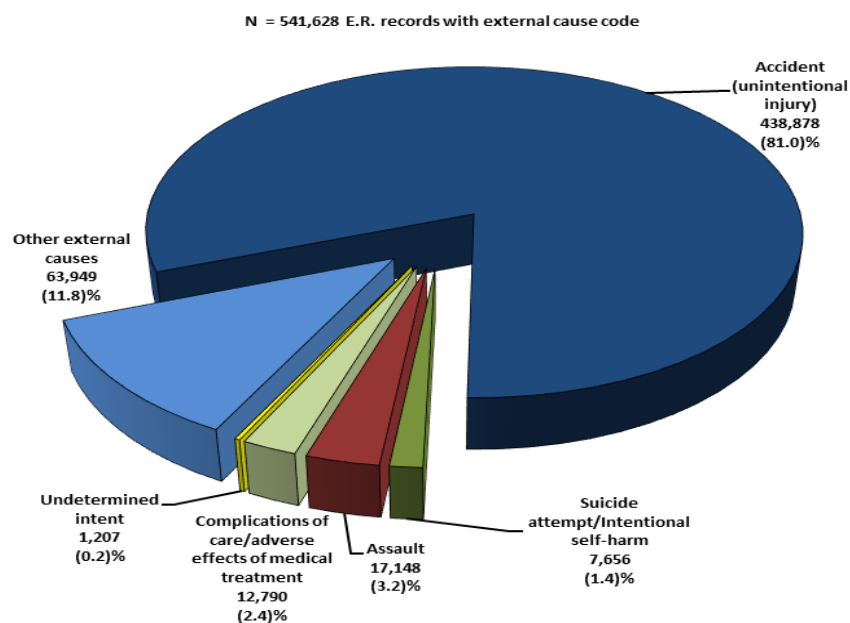
4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Figure 4D-1
Percent Distribution of Inpatient Discharges by Intent of Injury,
Arizona Residents, 2021



In 2021, injury and poisoning as a joint category was indicated as the principal diagnosis on 67,084 inpatient discharge records (**Table 4A-1**). *Unintentional injuries or accidents* accounted for the absolute majority of inpatient hospitalizations by the intent of injury (44.3 percent) and *complications of medical care and adverse effects of medical treatment* accounted for 25.7 percent of all inpatient discharges by intent of injury. *Assault* accounted for 2,291 inpatient hospitalizations (1.7 percent of all hospital discharges with known intent of injury). *Intentional self-inflicted injuries* including *suicide attempt* resulted in 3,777 inpatient hospitalizations (2.8 percent).

Figure 4D-2
Percent Distribution of Emergency Room Visits by Intent of Injury,
Arizona Residents, 2021



In 2021, *Unintentional injuries or accidents* accounted for eight out of ten (438,878 or 81.0 percent) of all injury-related emergency room visits (**Figure 4D-3, Table 4D-2**). The external cause of injury was classified as *assault* for 17,148 emergency room visits: these were the injuries purposely inflicted by another person. *Complications of medical/surgical care* accounted for a greater number of emergency room visits than *intentional self-inflicted injuries* (2.4 percent vs. 1.4 percent, respectively; **Figure 4D-3, Table 4D-2**).

4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Figure 4D-3
Intentional self-inflicted injury Inpatient Discharges by Year,
Arizona Residents, 2011–2021

Self-inflicted injuries result from actions of individuals trying to deliberately harm themselves (i.e. behavior with no suicide intent) or kill themselves (i.e. suicide attempt). Beginning in 2008, there was a substantial increase in the number of *intentional self-inflicted injuries* related inpatient discharges and emergency room visits (**Figure 4D-3** and **Table 4D-2**), partly due to the change in the reporting requirements for hospitals.

In 2021, there were 3,777 inpatient discharges attributed to intentional self-inflicted injuries. *Mental disorders* were identified as the principal diagnosis on 1,323 intentional self-inflicted injury/suicide attempt-related records. *Injury or poisoning* was the principal diagnosis on 2,373 inpatient discharge records related to self-inflicted injuries.

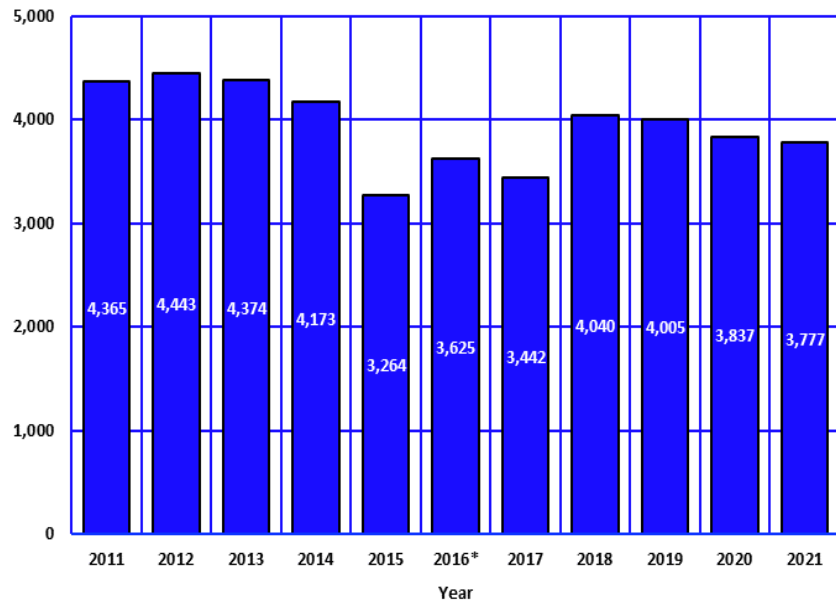
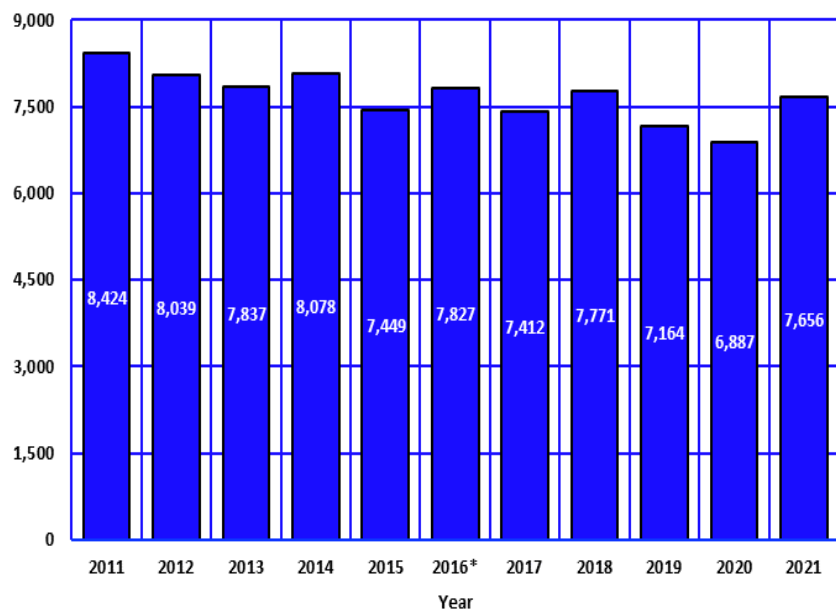


Figure 4D-4
Intentional self-inflicted injury Emergency Room Visits by Year,
Arizona Residents, 2011–2021

In 2021, self-inflicted injuries resulting in ER visits accounted for 7,656, an increase of 11.2 percent from 2020. Of all the ER visits related to *intentional self-inflicted injuries*, *mental disorders* were identified as the principal diagnosis on 376 ER discharges. *Injury or poisoning* was recorded as the principal diagnosis on 6,655 (86.9 percent) ER discharges related to self-inflicted injury.



**TABLE 4D-1
INPATIENT DISCHARGES BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND
RACE/ETHNICITY, ARIZONA, 2021**

| | Gender | | | Age group | | | | | | Race/ethnicity | | | | | | |
|-------------------------------------------------------------------------|--------------------|--------|--------|-----------|--------------------|-------------------------|--------------------------|--------------------------------|-------------------|----------------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|-----------------|
| | Total ^a | Male | Female | Unknown | Children <15 years | Adolescents 15-19 years | Young adults 20-44 years | Middle-aged adults 45-64 years | Elderly 65+ years | Unknown | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Refused/Unknown |
| UNINTENTIONAL INJURY OR ACCIDENT | 60,637 | 31,097 | 29,522 | 18 | 1,564 | 1,483 | 10,349 | 13,044 | 34,187 | 10 | 45,843 | 8,189 | 2,228 | 2,659 | 828 | 890 |
| Falls | 36,771 | 16,206 | 20,561 | * | 360 | 155 | 2,193 | 6,301 | 27,761 | * | 30,103 | 3,651 | 904 | 1,175 | 509 | 429 |
| Transport accidents | 9,929 | 6,444 | 3,472 | 13 | 375 | 675 | 3,947 | 2,702 | 2,228 | * | 6,517 | 1,946 | 502 | 557 | 146 | 261 |
| Natural and environmental factors | 7,985 | 4,664 | 3,321 | 0 | 392 | 354 | 2,185 | 2,294 | 2,755 | * | 5,495 | 1,336 | 443 | 522 | 99 | 90 |
| Exposure to excessive natural heat | 747 | 569 | 178 | 0 | 7 | 14 | 238 | 258 | 226 | * | 459 | 174 | 66 | 30 | 8 | 10 |
| Fire and flames | 460† | 313 | 144 | 0 | 40 | 13 | 160 | 158 | 86 | 0 | 274 | 99 | 27 | 39 | * | 14 |
| Machinery | 170† | 151 | 17 | 0 | * | 9 | 71 | 57 | 27 | 0 | 95 | 59 | * | * | * | * |
| SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM | 3,777 | 1,567 | 2,209 | * | 486 | 832 | 1,614 | 587 | 258 | 0 | 2,393 | 722 | 204 | 300 | 81 | 77 |
| ASSAULT | 2,291 | 1,793 | 493 | * | 63 | 177 | 1,388 | 527 | 133 | * | 1,040 | 542 | 316 | 322 | 15 | 56 |
| INJURIES OF UNDETERMINED INTENT | 566 | 337 | 227 | * | 111 | 31 | 159 | 139 | 125 | * | 315 | 123 | 63 | 39 | 12 | 14 |
| COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT | 35,210 | 19,251 | 15,958 | * | 638 | 305 | 5,003 | 11,621 | 17,643 | 0 | 24,289 | 6,249 | 1,978 | 1,617 | 770 | 307 |
| Misadventures to patients | 360† | 162 | 194 | 0 | 8 | * | 49 | 95 | 200 | 0 | 254 | 55 | 12 | 21 | 8 | 6 |
| Surgical and medical procedures as the cause of adverse reaction | 30,623 | 16,766 | 13,856 | * | 531 | 253 | 4,408 | 10,244 | 15,187 | 0 | 21,128 | 5,488 | 1,701 | 1,380 | 667 | 259 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a the total may include records with unknown gender and/or age group.

**TABLE 4D-2
EMERGENCY ROOM VISITS BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2021**

| | Total ^a | Gender | | Age group | | | | | | Race/ethnicity | | | | | | |
|-------------------------------------------------------------------------|--------------------|---------|---------|-----------|--------------------|-------------------------|--------------------------|--------------------------------|-------------------|----------------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|-----------------|
| | | Male | Female | Unknown | Children <15 years | Adolescents 15-19 years | Young adults 20-44 years | Middle-aged adults 45-64 years | Elderly 65+ years | Unknown | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Refused/Unknown |
| UNINTENTIONAL INJURY OR ACCIDENT | 438,878 | 221,676 | 217,149 | 53 | 80,010 | 30,974 | 140,351 | 89,805 | 97,683 | 55 | 270,818 | 108,798 | 31,185 | 15,764 | 7,637 | 4,676 |
| Falls | 155,052 | 67,708 | 87,337 | 7 | 31,638 | 4,909 | 25,175 | 30,888 | 62,438 | * | 107,436 | 31,258 | 7,318 | 5,100 | 2,439 | 1,501 |
| Transport accidents | 70,985 | 37,042 | 33,912 | 31 | 8,351 | 8,371 | 33,283 | 14,519 | 6,441 | 20 | 39,116 | 19,864 | 7,024 | 2,375 | 1,566 | 1,040 |
| Struck against or struck accidentally by objects or persons | 49,315 | 28,268 | 21,046 | * | 13,676 | 5,309 | 16,325 | 7,838 | 6,167 | 0 | 28,858 | 13,582 | 3,748 | 1,762 | 805 | 560 |
| Overexertion | 33,795 | 17,040 | 16,755 | 0 | 4,473 | 3,471 | 13,993 | 7,714 | 4,144 | 0 | 19,470 | 9,261 | 2,925 | 1,268 | 574 | 297 |
| Cutting or piercing instruments or objects | 25,785 | 16,776 | 9,007 | * | 3,167 | 2,017 | 11,496 | 5,747 | 3,355 | * | 15,715 | 6,903 | 1,434 | 988 | 450 | 295 |
| Natural and environmental factors | 64,881 | 33,350 | 31,528 | * | 9,592 | 3,911 | 24,166 | 15,223 | 11,974 | 15 | 37,884 | 16,953 | 5,846 | 2,499 | 1,142 | 557 |
| Exposure to excessive natural heat | 2,001 | 1,392 | 609 | 0 | 83 | 107 | 886 | 571 | 354 | 0 | 1,192 | 517 | 157 | 81 | 21 | 33 |
| Fire and flames | 2,341 | 1,372 | 969 | 0 | 427 | 166 | 1,010 | 537 | 200 | * | 1,302 | 662 | 173 | 115 | 56 | 33 |
| Machinery | 2,159 | 1,870 | 289 | 0 | 77 | 99 | 932 | 629 | 421 | * | 1,348 | 670 | 46 | 40 | 29 | 26 |
| Pedal cycle, nontraffic and other | 5,878 | 4,251 | 1,626 | * | 1,505 | 389 | 1,637 | 1,488 | 858 | * | 4,184 | 1,127 | 224 | 165 | 105 | 73 |
| Motor vehicle, nontraffic | 738 | 470 | 268 | 0 | 111 | 81 | 302 | 162 | 82 | 0 | 452 | 184 | 51 | 32 | 14 | * |
| Firearm missile | 1,331 | 1,138 | 190 | * | 104 | 190 | 796 | 180 | 55 | 6 | 577 | 425 | 221 | 67 | 15 | 26 |
| Drowning/submersion | 140 [†] | 86 | 48 | * | 109 | * | 11 | * | 8 | 0 | 69 | 41 | 14 | * | * | * |
| SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM | 7,656 | 2,794 | 4,859 | * | 1,188 | 2,114 | 3,306 | 820 | 225 | * | 4,694 | 1,738 | 581 | 416 | 112 | 115 |
| ASSAULT | 17,148 | 10,333 | 6,808 | 7 | 763 | 1,581 | 10,894 | 3,338 | 562 | 10 | 7,798 | 4,729 | 2,174 | 1,978 | 191 | 278 |
| INJURIES OF UNDETERMINED INTENT | 1,207 | 677 | 528 | * | 297 | 124 | 502 | 171 | 111 | * | 677 | 311 | 105 | 71 | 10 | 33 |
| COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT | 12,790 | 7,049 | 5,741 | 0 | 430 | 203 | 2,821 | 3,883 | 5,453 | 0 | 8,524 | 2,650 | 795 | 467 | 266 | 88 |
| Misadventures to patients | 110 [†] | 41 | 65 | 0 | * | 7 | 22 | 36 | 37 | 0 | 64 | 29 | 8 | * | * | 0 |
| Surgical and medical procedures as the cause of adverse reaction | 9,439 | 5,099 | 4,340 | 0 | 333 | 153 | 2,224 | 2,899 | 3,830 | 0 | 6,318 | 1,943 | 576 | 329 | 198 | 75 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a the total may include records with unknown gender and/or age group.



Part II:

THE COUNTIES

CHAPTER 5

TRENDS AND PATTERNS IN HEALTH STATUS AND VITAL STATISTICS BY COUNTY OF RESIDENCE, 2011-2021

- 5A. PREGNANCIES BY PREGNANCY OUTCOME**
- 5B. MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH**
- 5C. FETAL AND PERINATAL DEATHS**
- 5D. ABORTIONS**
- 5E. TRENDS AND PATTERNS IN MORTALITY**
- 5F. REPORTABLE DISEASES**
- 5G. MARRIAGES AND MARRIAGE DISSOLUTIONS**

5A

PREGNANCIES BY PREGNANCY OUTCOME

**TABLE 5A-1
PREGNANCIES AND PREGNANCY RATES BY PREGNANCY OUTCOME AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| County of residence | PREGNANCIES BY OUTCOME | | | | | | PREGNANCY RATES BY OUTCOME | | | |
|---------------------|----------------------------------------------------|-------------|-----------|--------------|--------------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------------------|--|
| | Female population of childbearing age ^a | Live births | Abortions | Fetal deaths | Total pregnancies ^b | Fertility rate ^c | Abortion rate ^d | Pregnancy rate ^e | Percent pregnancies ending in abortions | |
| State Total | 1,400,998 | 77,857 | 13,896 | 530† | 92,280 | 55.6 | 9.9 | 65.9 | 15.1 | |
| Apache | 12,291 | 762 | 12 | * | 780† | 62.0 | 1.0 | ** | 1.5 | |
| Cochise | 20,495 | 1,247 | 131 | 8 | 1,386 | 60.8 | 6.4 | 67.6 | 9.5 | |
| Coconino | 36,396 | 1,300 | 185 | 10 | 1,495 | 35.7 | 5.1 | 41.1 | 12.4 | |
| Gila | 7,419 | 452 | 41 | 6 | 499 | 60.9 | 5.5 | 67.3 | 8.2 | |
| Graham | 7,138 | 522 | 33 | * | 560† | 73.1 | 4.6 | ** | 5.9 | |
| Greenlee | 1,857 | 117 | 9 | 0 | 126 | 63.0 | 4.8 | 0.0 | 7.1 | |
| La Paz | 2,010 | 165 | 16 | * | 180† | 82.1 | 8.0 | ** | 8.7 | |
| Maricopa | 910,451 | 50,245 | 10,154 | 347 | 60,746 | 55.2 | 11.2 | 66.7 | 16.7 | |
| Mohave | 28,729 | 1,802 | 12 | 12 | 1,826 | 62.7 | 0.4 | 63.6 | 0.7 | |
| Navajo | 18,176 | 1,210 | 65 | 8 | 1,283 | 66.6 | 3.6 | 70.6 | 5.1 | |
| Pima | 205,167 | 9,970 | 1,766 | 68 | 11,804 | 48.6 | 8.6 | 57.5 | 15.0 | |
| Pinal | 73,701 | 4,840 | 512 | 30 | 5,382 | 65.7 | 6.9 | 73.0 | 9.5 | |
| Santa Cruz | 8,922 | 508 | 34 | 6 | 548 | 56.9 | 3.8 | 61.4 | 6.2 | |
| Yavapai | 31,178 | 1,725 | 211 | 15 | 1,951 | 55.3 | 6.8 | 62.6 | 10.8 | |
| Yuma | 37,068 | 2,895 | 33 | 9 | 2,937 | 78.1 | 0.9 | 79.2 | 1.1 | |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Females 15-44 years old; ^b Sum of recorded live births, reported spontaneous terminations of pregnancy (fetal deaths) and reported induced terminations of pregnancy (abortions); ^c The number of live births per 1,000 females of childbearing age; ^d The number of abortions per 1,000 females of childbearing age; ^e The number of pregnancies per 1,000 females of childbearing age; the total number of abortions, fetal deaths, and total pregnancies include missing county of residence; these data are not shown above.

**TABLE 5A-2
PREGNANCIES AND PREGNANCY RATES, FEMALES 10-19 YEARS,
BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| County of residence | NUMBER OF PREGNANCIES ^a | | | | |
|---------------------|------------------------------------|-------------|--------------|---------------|--------------|
| | All 19 years or younger | 10-14 years | 15-19 years | | |
| | | | Total, 15-19 | 15-17 | 18-19 |
| Apache | 60† | * | 56 | 19 | 37 |
| Cochise | 100† | * | 93 | 25 | 68 |
| Coconino | 97 | 0 | 97 | 32 | 65 |
| Gila | 45 | 0 | 45 | 18 | 27 |
| Graham | 47 | 0 | 47 | 12 | 35 |
| Greenlee | 7 | 0 | 10† | * | 6 |
| La Paz | 18 | 0 | 20† | * | 16 |
| Maricopa | 2,972 | 35 | 2,937 | 648 | 2,289 |
| Mohave | 110† | * | 108 | 27 | 81 |
| Navajo | 110† | * | 104 | 35 | 69 |
| Pima | 627 | 7 | 620 | 135 | 485 |
| Pinal | 310† | * | 303 | 63 | 240 |
| Santa Cruz | 45 | 0 | 45 | 17 | 28 |
| Yavapai | 100† | * | 101 | 29 | 72 |
| Yuma | 190† | * | 186 | 55 | 131 |
| STATE TOTAL | 4,912 | 60† | 4,849 | 1,130† | 3,718 |

| County of residence | PREGNANCY RATES ^b | | | | |
|---------------------|------------------------------|-------------|--------------|------------|-------------|
| | All 19 years or younger | 10-14 years | 15-19 years | | |
| | | | Total, 15-19 | 15-17 | 18-19 |
| Apache | 11.3 | ** | 22.2 | 11.9 | 39.7 |
| Cochise | 13.0 | ** | 25.7 | 11.5 | 47.2 |
| Coconino | 8.2 | 0.0 | 12.8 | 13.1 | 12.6 |
| Gila | 16.6 | 0.0 | 35.4 | 22.1 | 59.0 |
| Graham | 16.5 | 0.0 | 33.9 | 13.9 | 67.2 |
| Greenlee | 10.9 | 0.0 | 25.0 | ** | 60.6 |
| La Paz | 26.7 | 0.0 | 56.4 | ** | 133.3 |
| Maricopa | 10.1 | 0.2 | 20.1 | 7.3 | 39.9 |
| Mohave | 11.2 | ** | 23.1 | 9.0 | 48.8 |
| Navajo | 13.7 | ** | 29.4 | 15.0 | 57.1 |
| Pima | 9.8 | 0.2 | 18.3 | 7.5 | 30.4 |
| Pinal | 11.6 | ** | 24.4 | 7.8 | 55.2 |
| Santa Cruz | 12.3 | 0.0 | 24.8 | 14.9 | 41.7 |
| Yavapai | 9.6 | ** | 19.2 | 8.8 | 36.2 |
| Yuma | 13.9 | ** | 27.1 | 13.2 | 48.8 |
| STATE TOTAL | 10.6 | 0.3 | 21.0 | 8.3 | 39.3 |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The sum of live births, fetal deaths and abortions; ^b The number of pregnancies per 1,000 females in specified group.

**TABLE 5A-3
TRENDS IN PREGNANCY RATES^a BY COUNTY OF RESIDENCE AMONG FEMALES 10-17 AND 18-19 YEARS OLD,
ARIZONA, 2011-2021**

| | ARIZONA | APACHE | COCHISE | COCONINO | GILA | GRAHAM | GREENLEE | LA PAZ | MARICOPA | MOHAVE | NAVAJO | PIMA | PINAL | SANTA CRUZ | YAVAPAI | YUMA |
|--------------------|---------|--------|---------|----------|-------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|
| 2011 | 23.0 | 23.6 | 24.7 | 20.3 | 35.9 | 28.5 | 34.1 | 31.9 | 22.4 | 18.9 | 33.4 | 22.6 | 21.7 | 27.9 | 19.9 | 30.1 |
| 2012 | 21.6 | 21.6 | 24.0 | 18.0 | 29.9 | 29.2 | 18.9 | 29.0 | 25.3 | 20.7 | 19.2 | 29.8 | 21.4 | 20.6 | 29.0 | 18.7 |
| 2013 | 19.2 | 19.1 | 18.9 | 16.2 | 32.0 | 26.7 | 28.8 | 37.6 | 18.4 | 15.8 | 23.3 | 19.2 | 16.4 | 20.6 | 16.7 | 25.1 |
| 2014 | 17.8 | 17.7 | 18.4 | 14.7 | 29.0 | 27.1 | 26.8 | 33.4 | 17.4 | 17.5 | 21.8 | 16.9 | 15.5 | 20.0 | 17.2 | 19.7 |
| 2015 | 15.9 | 13.7 | 20.0 | 14.4 | 25.6 | 23.7 | 20.5 | 22.9 | 15.3 | 14.7 | 21.4 | 15.0 | 15.1 | 13.6 | 16.4 | 18.2 |
| 2016 | 14.9 | 17.2 | 18.8 | 13.0 | 31.3 | 18.2 | 21.5 | 20.7 | 14.4 | 13.5 | 19.3 | 14.2 | 12.9 | 18.1 | 13.5 | 17.5 |
| 2017 | 13.7 | 15.7 | 14.3 | 12.6 | 22.0 | 16.6 | 15.3 | 18.0 | 13.2 | 13.6 | 19.5 | 13.1 | 13.5 | 12.7 | 15.1 | 13.9 |
| 2018 | 12.6 | 13.0 | 14.4 | 9.2 | 21.6 | 17.6 | 11.0 | 20.2 | 11.9 | 11.2 | 16.2 | 11.6 | 12.4 | 11.9 | 13.3 | 17.7 |
| 2019 | 11.9 | 13.4 | 11.2 | 7.2 | 20.5 | 14.9 | 8.4 | 18.2 | 11.2 | 12.0 | 14.4 | 11.8 | 11.5 | 11.0 | 12.3 | 15.9 |
| 2020 | 11.2 | 11.1 | 15.1 | 6.3 | 17.8 | 16.1 | 15.6 | 28.1 | 10.9 | 9.0 | 15.0 | 10.5 | 11.4 | 12.7 | 11.6 | 14.2 |
| 2021 | 10.6 | 11.3 | 13.0 | 8.2 | 16.6 | 16.5 | 10.9 | 26.7 | 10.1 | 11.2 | 13.7 | 9.8 | 11.6 | 12.3 | 9.6 | 13.9 |
| 10-19 years | 77.2 | 94.2 | 78.9 | 36.2 | 132.6 | 81.7 | 163.3 | 127.8 | 78.4 | 75.9 | 121.1 | 64.3 | 94.7 | 104.2 | 71.3 | 109.3 |
| 18-19 years | 70.2 | 79.6 | 80.2 | 33.4 | 105.8 | 95.2 | 64.7 | 90.1 | 87.7 | 69.3 | 69.6 | 115.7 | 61.9 | 82.2 | 97.9 | 64.6 |
| 2013 | 64.8 | 68.5 | 65.2 | 30.8 | 133.0 | 103.2 | 108.8 | 146.1 | 64.2 | 59.4 | 92.9 | 54.6 | 67.7 | 92.4 | 62.2 | 83.0 |
| 2014 | 65.2 | 66.4 | 66.7 | 25.8 | 114.8 | 108.7 | 142.9 | 126.4 | 68.3 | 79.5 | 81.0 | 48.7 | 70.8 | 66.9 | 75.5 | 72.0 |
| 2015 | 58.4 | 43.9 | 77.0 | 25.9 | 105.7 | 95.0 | 86.2 | 77.3 | 59.5 | 67.9 | 78.9 | 45.9 | 71.4 | 50.9 | 64.5 | 69.9 |
| 2016 | 55.0 | 68.1 | 73.0 | 21.3 | 114.2 | 70.6 | 84.5 | 94.9 | 56.4 | 63.2 | 70.2 | 43.5 | 58.9 | 69.3 | 55.1 | 63.1 |
| 2017 | 50.9 | 62.1 | 55.4 | 22.6 | 97.0 | 61.5 | 67.2 | 80.5 | 51.7 | 67.4 | 76.3 | 39.1 | 64.0 | 61.0 | 61.3 | 50.3 |
| 2018 | 46.6 | 58.2 | 56.6 | 14.9 | 84.3 | 60.8 | 46.9 | 80.0 | 46.5 | 52.5 | 64.4 | 35.3 | 55.2 | 53.1 | 52.8 | 63.3 |
| 2019 | 42.8 | 55.2 | 38.3 | 11.0 | 77.4 | 52.6 | ** | 80.2 | 43.1 | 55.8 | 55.9 | 35.2 | 50.8 | 37.8 | 46.5 | 60.2 |
| 2020 | 40.7 | 43.6 | 61.5 | 9.7 | 75.2 | 51.9 | 92.8 | 144.2 | 41.7 | 39.2 | 67.2 | 32.3 | 47.5 | 53.0 | 50.5 | 50.0 |
| 2021 | 39.3 | 39.7 | 47.2 | 12.6 | 59.0 | 67.2 | 60.6 | 133.3 | 39.9 | 48.8 | 57.1 | 30.4 | 55.2 | 41.7 | 36.2 | 48.8 |
| 10-17 years | 8.7 | 7.8 | 10.4 | 10.6 | 14.6 | 10.3 | ** | 10.1 | 8.4 | 5.8 | 13.6 | 9.0 | 7.7 | 11.9 | 7.8 | 11.2 |
| 2012 | 8.4 | 7.7 | 9.2 | 8.3 | 11.7 | 12.2 | ** | 12.6 | 8.9 | 8.1 | 6.3 | 10.4 | 8.0 | 7.2 | 15.0 | 7.4 |
| 2013 | 6.9 | 8.1 | 6.9 | 7.3 | 10.7 | 10.0 | 10.8 | 12.8 | 6.6 | 4.4 | 7.1 | 7.4 | 5.3 | 7.7 | 5.4 | 10.1 |
| 2014 | 6.1 | 6.0 | 6.4 | 7.1 | 9.9 | 9.5 | ** | 11.6 | 5.9 | 4.8 | 8.8 | 6.6 | 5.1 | 9.1 | 4.3 | 6.7 |
| 2015 | 5.4 | 6.8 | 6.3 | 6.2 | 9.5 | 8.1 | ** | 10.3 | 5.2 | 3.9 | 9.7 | 5.2 | 4.7 | 5.2 | 5.3 | 5.7 |
| 2016 | 5.0 | 6.5 | 6.3 | 6.9 | 13.7 | 6.4 | ** | ** | 4.6 | 3.4 | 8.8 | 4.8 | 4.3 | 6.9 | 3.8 | 6.7 |
| 2017 | 4.4 | 6.1 | 5.0 | 5.2 | 5.9 | 6.7 | ** | ** | 4.1 | 3.0 | 8.1 | 4.9 | 3.8 | 2.3 | 4.1 | 5.2 |
| 2018 | 4.2 | 3.1 | 4.6 | 4.9 | 8.4 | 7.4 | ** | ** | 3.9 | 2.9 | 6.6 | 3.9 | 3.9 | 2.7 | 4.3 | 7.0 |
| 2019 | 3.9 | 3.8 | 4.3 | 4.2 | 9.2 | 5.5 | ** | ** | 3.6 | 2.9 | 6.1 | 4.1 | 3.6 | 4.8 | 4.4 | 5.3 |
| 2020 | 3.6 | 3.7 | 4.4 | 3.4 | 6.5 | 7.8 | ** | ** | 3.4 | 2.7 | 5.0 | 3.2 | 4.1 | 3.4 | 2.5 | 5.6 |
| 2021 | 3.3 | 5.2 | 4.7 | 4.8 | 8.0 | 5.2 | ** | ** | 2.9 | 3.6 | 5.6 | 3.0 | 3.0 | 5.7 | 3.5 | 5.3 |

Notes: ** Cell suppressed due to rate/ratio/percent based on count less than 6; ^a Number of pregnancies per 1,000 females in specified group.

**TABLE 5A-4
PREGNANCIES BY PREGNANCY OUTCOME, AGE GROUP, AND COUNTY OF RESIDENCE,
ARIZONA, 2021**

| | Total | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un-known | |
|--------------------|--------------------------|--------|-------|-------|-------|--------|--------|--------|--------|-------|----------|----|
| STATE TOTAL | Total pregnancies | 92,280 | 63 | 1,131 | 3,718 | 20,079 | 27,542 | 24,513 | 12,182 | 2,821 | 228 | 0† |
| | Births | 77,857 | 43 | 869 | 2,668 | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 196 | * |
| | Abortions | 13,896 | 19 | 257 | 1,023 | 4,284 | 3,783 | 2,584 | 1,437 | 478 | 31 | 0 |
| | Fetal deaths | 530† | * | * | 27 | 108 | 142 | 135 | 81 | 26 | * | * |
| APACHE | Total pregnancies | 780† | 0† | 19 | 40† | 180† | 230† | 180† | 100† | 30† | 0† | 0 |
| | Births | 760† | * | 19 | 36 | 173 | 224 | 175 | 100 | 29 | * | 0 |
| | Abortions | 10† | 0 | 0 | * | * | 6 | * | * | 0 | 0 | 0 |
| | Fetal deaths | 0† | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 |
| COCHISE | Total pregnancies | 1,390† | 0† | 30† | 68 | 320† | 438 | 370† | 140† | 30† | 0† | 0 |
| | Births | 1,250† | * | 22 | 55 | 286 | 400 | 337 | 121 | 22 | * | 0 |
| | Abortions | 130† | * | * | 13 | 31 | 38 | 29 | 13 | * | 0 | 0 |
| | Fetal deaths | 10† | 0 | 0 | 0 | * | 0 | * | * | 0 | 0 | 0 |
| COCONINO | Total pregnancies | 1,500† | 0 | 30† | 70† | 330† | 410† | 400† | 200† | 51 | 0† | 0 |
| | Births | 1,300 | 0 | 28 | 46 | 250 | 375 | 371 | 189 | 41 | 0 | 0 |
| | Abortions | 190† | 0 | * | 18 | 82 | 34 | 26 | 11 | 10 | * | 0 |
| | Fetal deaths | 10† | 0 | * | * | * | * | * | * | 0 | 0 | 0 |
| GILA | Total pregnancies | 499 | 0 | 20† | 30† | 140† | 140† | 113 | 50† | 10† | 0 | 0 |
| | Births | 452 | 0 | 17 | 26 | 124 | 127 | 106 | 40 | 12 | 0 | 0 |
| | Abortions | 40† | 0 | * | * | 14 | 11 | 7 | 6 | * | 0 | 0 |
| | Fetal deaths | 10† | 0 | 0 | 0 | * | * | 0 | * | 0 | 0 | 0 |
| GRAHAM | Total pregnancies | 560† | 0 | 10† | 40† | 180† | 190† | 105 | 28 | 6 | 0† | 0 |
| | Births | 520† | 0 | 10 | 32 | 169 | 180 | 96 | 28 | 6 | * | 0 |
| | Abortions | 30† | 0 | * | * | 11 | 7 | 9 | 0 | 0 | * | 0 |
| | Fetal deaths | 0† | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 |
| GREENLEE | Total pregnancies | 130† | 0 | 0† | 10† | 40† | 30† | 30† | 10† | 0† | 0 | 0 |
| | Births | 120† | 0 | * | * | 38 | 33 | 31 | 7 | * | 0 | 0 |
| | Abortions | 10† | 0 | 0 | * | * | * | * | * | * | 0 | 0 |
| | Fetal deaths | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LA PAZ | Total pregnancies | 180† | 0 | 0† | 20† | 60† | 50† | 30† | 20† | 0† | 0 | 0 |
| | Births | 170† | 0 | * | 12 | 54 | 49 | 29 | 16 | * | 0 | 0 |
| | Abortions | 20† | 0 | 0 | * | * | * | * | * | 0 | 0 | 0 |
| | Fetal deaths | 0† | 0 | 0 | 0 | 0 | * | * | * | 0 | 0 | 0 |
| MARICOPA | Total pregnancies | 60,746 | 35 | 650† | 2,289 | 12,577 | 17,938 | 16,595 | 8,533 | 1,979 | 150† | 0† |
| | Births | 50,245 | 25 | 459 | 1,539 | 9,432 | 15,064 | 14,588 | 7,415 | 1,599 | 123 | * |
| | Abortions | 10,154 | 10 | 185 | 729 | 3,071 | 2,784 | 1,923 | 1,063 | 362 | 27 | 0 |
| | Fetal deaths | 350† | 0 | * | 21 | 74 | 90 | 84 | 55 | 18 | * | 0 |
| MOHAVE | Total pregnancies | 1,830† | 0† | 30† | 80† | 480† | 560† | 430† | 190† | 47 | 0† | 0 |
| | Births | 1,800† | * | 26 | 80 | 477 | 553 | 427 | 189 | 47 | * | 0 |
| | Abortions | 10† | 0 | * | * | * | * | * | * | 0 | 0 | 0 |
| | Fetal deaths | 10† | 0 | 0 | 0 | * | * | * | * | 0 | 0 | 0 |
| NAVAJO | Total pregnancies | 1,280† | 0† | 35 | 70† | 300† | 410† | 289 | 140† | 40† | 0† | 0 |
| | Births | 1,210† | * | 28 | 64 | 286 | 388 | 274 | 132 | 36 | * | 0 |
| | Abortions | 70† | 0 | 7 | * | 13 | 19 | 15 | * | * | 0 | 0 |
| | Fetal deaths | 10† | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 |
| PIMA | Total pregnancies | 11,804 | 10† | 135 | 490† | 2,665 | 3,394 | 3,149 | 1,581 | 360† | 24 | 0† |
| | Births | 9,970† | * | 111 | 357 | 2,063 | 2,906 | 2,825 | 1,381 | 299 | 24 | 0 |
| | Abortions | 1,770† | * | 24 | 124 | 590 | 474 | 302 | 190 | 59 | 0 | 0 |
| | Fetal deaths | 70† | 0 | 0 | * | 12 | 14 | 22 | 10 | * | 0 | * |
| PINAL | Total pregnancies | 5,380† | 0† | 63 | 240 | 1,260† | 1,778 | 1,384 | 530† | 120† | 7 | 0 |
| | Births | 4,840† | * | 55 | 202 | 1,082 | 1,628 | 1,276 | 482 | 106 | 7 | 0 |
| | Abortions | 510† | * | 8 | 38 | 168 | 140 | 97 | 44 | 15 | 0 | 0 |
| | Fetal deaths | 30† | 0 | 0 | 0 | * | 10 | 11 | * | * | 0 | 0 |
| SANTA CRUZ | Total pregnancies | 550† | 0 | 20† | 30† | 121 | 190† | 130† | 60† | 13 | 0† | 0 |
| | Births | 510† | 0 | 16 | 26 | 111 | 169 | 122 | 49 | 13 | * | 0 |
| | Abortions | 30† | 0 | * | * | 10 | 13 | * | 6 | 0 | 0 | 0 |
| | Fetal deaths | 10† | 0 | 0 | 0 | 0 | * | * | * | 0 | 0 | 0 |
| YAVAPAI | Total pregnancies | 1,950† | 0† | 29 | 72 | 480† | 617 | 470† | 240† | 40† | 0† | 0 |
| | Births | 1,730† | * | 20 | 59 | 417 | 551 | 429 | 208 | 36 | * | 0 |
| | Abortions | 210† | 0 | 9 | 13 | 60 | 59 | 38 | 27 | * | * | 0 |
| | Fetal deaths | 20† | 0 | 0 | 0 | * | 7 | * | * | * | 0 | 0 |
| YUMA | Total pregnancies | 2,940† | 0† | 60† | 130† | 730† | 970† | 698 | 290† | 60† | 10† | 0 |
| | Births | 2,900† | * | 54 | 129 | 715 | 955 | 690 | 288 | 57 | * | 0 |
| | Abortions | 30† | 0 | * | * | 13 | 8 | 8 | * | * | 0 | 0 |
| | Fetal deaths | 10† | * | 0 | * | * | * | 0 | * | 0 | 0 | 0 |
| UNKNOWN | Total pregnancies | 780† | 0† | 10† | 69 | 219 | 198 | 138 | 83 | 30 | 30† | 0† |
| | Births | 100† | 0 | * | 0 | 10 | 15 | 18 | 19 | 9 | 24 | * |
| | Abortions | 680† | * | 12 | 69 | 209 | 183 | 120 | 64 | 21 | * | 0 |
| | Fetal deaths | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5A-5
BIRTHS AND BIRTH RATES, FEMALES 10-19 YEARS, BY COUNTY OF RESIDENCE,
ARIZONA, 2021**

| County of residence | NUMBER OF BIRTHS | | | | |
|---------------------|-------------------------|-------------|--------------|-------------|---------------|
| | All 19 years or younger | 10-14 years | 15-19 years | | |
| | | | Total 15-19 | 15-17 | 18-19 |
| Apache | 60† | * | 55 | 19 | 36 |
| Cochise | 80† | * | 77 | 22 | 55 |
| Coconino | 74 | 0 | 74 | 28 | 46 |
| Gila | 43 | 0 | 43 | 17 | 26 |
| Graham | 42 | 0 | 42 | 10 | 32 |
| Greenlee | 6 | 0 | 10† | * | * |
| La Paz | 14 | 0 | 10† | * | 12 |
| Maricopa | 2,023 | 25 | 1,998 | 459 | 1,539 |
| Mohave | 110† | * | 106 | 26 | 80 |
| Navajo | 90† | * | 92 | 28 | 64 |
| Pima | 470† | * | 468 | 111 | 357 |
| Pinal | 260† | * | 257 | 55 | 202 |
| Santa Cruz | 42 | 0 | 42 | 16 | 26 |
| Yavapai | 80† | * | 79 | 20 | 59 |
| Yuma | 190† | * | 183 | 54 | 129 |
| STATE TOTAL | 3,580 | 40† | 3,537 | 870† | 2,670† |

| County of residence | BIRTH RATES ^a | | | | |
|---------------------|--------------------------|-------------|-------------|------------|-------------|
| | All 19 years or younger | 10-14 years | 15-19 years | | |
| | | | Total 15-19 | 15-17 | 18-19 |
| Apache | 11.1 | ** | 21.8 | 11.9 | 38.6 |
| Cochise | 10.7 | ** | 21.3 | 10.1 | 38.1 |
| Coconino | 6.3 | 0.0 | 9.7 | 11.5 | 8.9 |
| Gila | 15.8 | 0.0 | 33.8 | 20.9 | 56.8 |
| Graham | 14.8 | 0.0 | 30.3 | 11.6 | 61.4 |
| Greenlee | 9.4 | 0.0 | 21.4 | ** | ** |
| La Paz | 20.8 | 0.0 | 43.9 | ** | 100.0 |
| Maricopa | 6.9 | 0.2 | 13.7 | 5.2 | 26.8 |
| Mohave | 11.0 | ** | 22.7 | 8.6 | 48.2 |
| Navajo | 12.1 | ** | 26.0 | 12.0 | 52.9 |
| Pima | 7.4 | ** | 13.8 | 6.2 | 22.4 |
| Pinal | 9.8 | ** | 20.7 | 6.8 | 46.4 |
| Santa Cruz | 11.5 | 0.0 | 23.1 | 14.0 | 38.7 |
| Yavapai | 7.5 | ** | 15.0 | 6.1 | 29.7 |
| Yuma | 13.6 | ** | 26.7 | 12.9 | 48.1 |
| STATE TOTAL | 7.8 | 0.2 | 15.3 | 6.4 | 28.2 |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The number of births per 1,000 females in specified group.

5B

MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

**TABLE 5B-1
RATES OF NATURAL INCREASE FROM BIRTHS^a PER 1,000 POPULATION
BY COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|------|------|------|------|-------|-------|
| ARIZONA | 5.8 | 5.7 | 6.6 | 5.3 | 4.6 | 4.1 | 3.5 | 3.0 | 2.6 | 0.2 | -0.5 |
| Apache | 6.8 | 6.4 | 5.6 | 5.8 | 4.3 | 5.1 | 3.5 | 3.0 | 2.2 | -5.8 | -6.7 |
| Cochise | 3.6 | 3.8 | 3.9 | 3.4 | 2.0 | 1.5 | -0.1 | -0.1 | -0.5 | -2.9 | -4.6 |
| Coconino | 7.8 | 7.3 | 2.3 | 7.0 | 5.4 | 5.3 | 4.5 | 4.4 | 3.6 | 1.2 | 0.8 |
| Gila | -1.1 | -0.8 | 5.9 | -1.8 | -4.3 | -4.4 | -3.3 | -4.7 | -6.2 | -9.5 | -11.2 |
| Graham | 9.6 | 6.1 | 2.9 | 8.4 | 8.6 | 7.3 | 5.9 | 4.6 | 5.4 | 2.1 | 0.8 |
| Greenlee | 5.7 | 5.9 | 4.2 | 8.8 | 8.1 | 9.3 | 8.3 | 6.1 | 5.6 | 4.8 | 2.2 |
| La Paz | -0.7 | -1.0 | 5.5 | -1.9 | -2.6 | -2.2 | -5.8 | -5.9 | -5.5 | -12.8 | -15.1 |
| Maricopa | 7.3 | 7.4 | 1.9 | 6.9 | 6.3 | 5.7 | 5.1 | 4.6 | 4.2 | 1.9 | 1.4 |
| Mohave | -2.3 | -3.7 | 1.7 | -3.5 | -5.7 | -6.7 | -6.7 | -7.5 | -7.5 | -10.8 | -12.9 |
| Navajo | 6.9 | 6.8 | 1.1 | 6.2 | 5.6 | 4.4 | 4.0 | 2.1 | 1.4 | -4.0 | -5.9 |
| Pima | 3.5 | 3.2 | 3.2 | 3.1 | 2.2 | 1.9 | 1.4 | 0.8 | 0.4 | -2.2 | -2.7 |
| Pinal | 5.8 | 5.7 | 3.0 | 4.7 | 3.7 | 3.6 | 3.0 | 3.1 | 2.6 | 0.8 | -0.2 |
| Santa Cruz | 9.3 | 7.6 | 7.0 | 6.5 | 6.5 | 6.7 | 6.5 | 6.5 | 5.0 | 2.6 | 1.7 |
| Yavapai | -3.1 | -4.0 | 2.7 | -3.8 | -4.8 | -4.9 | -5.8 | -5.9 | -5.4 | -8.5 | -9.9 |
| Yuma | 9.3 | 8.4 | 2.1 | 7.7 | 7.4 | 6.9 | 6.6 | 6.2 | 5.7 | 2.6 | 3.3 |

Note: ^a The difference between the birth rate per 1,000 population and the death rate per 1,000 population.

**TABLE 5B-2
BIRTH RATES^a BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA | 13.2 | 13.2 | 12.9 | 13.0 | 12.6 | 12.3 | 11.7 | 11.4 | 11.0 | 10.7 | 10.7 |
| Apache | 14.9 | 12.9 | 13.2 | 14.2 | 13.2 | 14.2 | 13.0 | 12.4 | 12.5 | 11.9 | 11.5 |
| Cochise | 12.7 | 13.0 | 12.3 | 12.7 | 12.1 | 11.9 | 10.4 | 10.3 | 10.3 | 10.1 | 9.9 |
| Coconino | 13.2 | 12.6 | 12.0 | 12.2 | 11.1 | 11.3 | 10.5 | 10.3 | 9.3 | 9.1 | 8.8 |
| Gila | 11.6 | 11.4 | 11.0 | 12.0 | 10.7 | 10.9 | 9.8 | 9.0 | 8.6 | 8.8 | 8.4 |
| Graham | 16.1 | 14.1 | 15.8 | 15.7 | 15.1 | 14.6 | 13.8 | 13.5 | 12.8 | 12.0 | 13.4 |
| Greenlee | 14.2 | 13.3 | 11.5 | 13.7 | 14.6 | 14.3 | 14.2 | 12.4 | 12.0 | 12.7 | 12.2 |
| La Paz | 8.3 | 9.8 | 9.7 | 10.0 | 9.4 | 10.5 | 9.0 | 8.5 | 8.4 | 9.3 | 9.8 |
| Maricopa | 13.9 | 14.0 | 13.7 | 13.8 | 13.4 | 13.1 | 12.4 | 12.0 | 11.7 | 11.1 | 11.1 |
| Mohave | 9.8 | 8.5 | 8.6 | 9.0 | 9.0 | 8.8 | 8.3 | 8.4 | 8.0 | 7.9 | 8.3 |
| Navajo | 15.3 | 15.1 | 14.3 | 14.7 | 13.8 | 13.6 | 13.5 | 12.2 | 12.0 | 12.2 | 11.2 |
| Pima | 12.0 | 12.0 | 12.0 | 11.8 | 11.4 | 11.3 | 10.7 | 10.3 | 9.9 | 9.6 | 9.4 |
| Pinal | 12.0 | 12.0 | 11.6 | 11.3 | 11.0 | 10.8 | 10.3 | 10.2 | 9.9 | 10.9 | 11.0 |
| Santa Cruz | 14.4 | 13.8 | 13.2 | 12.1 | 12.4 | 12.7 | 12.3 | 11.8 | 11.3 | 12.3 | 10.5 |
| Yavapai | 8.7 | 8.4 | 8.5 | 9.0 | 8.6 | 8.5 | 8.0 | 7.7 | 7.8 | 7.1 | 7.2 |
| Yuma | 16.0 | 15.2 | 14.9 | 14.4 | 14.0 | 13.8 | 13.3 | 13.5 | 12.8 | 14.5 | 14.0 |

Note: ^aThe number of births per 1,000 population.

**TABLE 5B-3
NUMBER OF BIRTHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARIZONA^a | 85,190 | 85,725 | 84,963 | 86,648 | 85,024 | 84,404 | 81,664 | 80,539 | 79,183 | 76,781 | 77,857 |
| Apache | 1,071 | 930 | 951 | 1,018 | 953 | 1,022 | 946 | 910 | 895 | 785 | 762 |
| Cochise | 1,664 | 1,704 | 1,607 | 1,643 | 1,566 | 1,531 | 1,330 | 1,348 | 1,344 | 1,273 | 1,247 |
| Coconino | 1,771 | 1,689 | 1,625 | 1,701 | 1,575 | 1,615 | 1,506 | 1,500 | 1,367 | 1,330 | 1,300 |
| Gila | 620 | 609 | 590 | 649 | 580 | 593 | 541 | 497 | 473 | 471 | 452 |
| Graham | 606 | 525 | 600 | 603 | 580 | 558 | 530 | 513 | 493 | 464 | 522 |
| Greenlee | 119 | 114 | 125 | 144 | 154 | 149 | 156 | 130 | 124 | 121 | 117 |
| La Paz | 172 | 204 | 204 | 213 | 199 | 223 | 194 | 187 | 186 | 154 | 165 |
| Maricopa | 53,361 | 54,475 | 53,848 | 55,285 | 54,600 | 54,021 | 52,470 | 51,701 | 50,998 | 49,191 | 50,245 |
| Mohave | 1,962 | 1,736 | 1,742 | 1,833 | 1,845 | 1,803 | 1,734 | 1,790 | 1,726 | 1,696 | 1,802 |
| Navajo | 1,642 | 1,633 | 1,554 | 1,609 | 1,517 | 1,498 | 1,507 | 1,379 | 1,355 | 1,305 | 1,210 |
| Pima | 11,874 | 11,876 | 11,965 | 11,844 | 11,476 | 11,403 | 10,970 | 10,661 | 10,357 | 10,035 | 9,970 |
| Pinal | 4,607 | 4,656 | 4,564 | 4,490 | 4,454 | 4,471 | 4,384 | 4,498 | 4,497 | 4,647 | 4,840 |
| Santa Cruz | 694 | 671 | 652 | 599 | 621 | 642 | 633 | 617 | 599 | 589 | 508 |
| Yavapai | 1,829 | 1,782 | 1,820 | 1,943 | 1,877 | 1,868 | 1,796 | 1,769 | 1,806 | 1,693 | 1,725 |
| Yuma | 3,198 | 3,121 | 3,116 | 3,058 | 3,017 | 3,004 | 2,956 | 3,030 | 2,945 | 2,972 | 2,895 |
| Unknown | 0 | 0 | 0 | 16 | 10 | * | 11 | 9 | 18 | 55 | 97 |

Notes: * Cell suppressed due to non-zero count less than 6; ^a May include records with unknown county of residence.

**TABLE 5B-4
BIRTHS BY COUNTY OF OCCURRENCE^a, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARIZONA^b | 86,121 | 87,221 | 86,586 | 88,065 | 86,845 | 86,228 | 83,471 | 82,500 | 81,056 | 78,154 | 79,174 |
| Apache | 1,003 | 932 | 947 | 872 | 888 | 788 | 722 | 659 | 651 | 542 | 505 |
| Cochise | 1,091 | 1,096 | 1,077 | 1,106 | 1,103 | 1,124 | 867 | 813 | 612 | 640 | 628 |
| Coconino | 2,057 | 2,013 | 1,929 | 1,993 | 1,874 | 1,886 | 1,821 | 1,810 | 1,603 | 1,533 | 1,456 |
| Gila | 505 | 482 | 460 | 503 | 441 | 489 | 482 | 441 | 432 | 451 | 426 |
| Graham | 597 | 521 | 605 | 669 | 624 | 623 | 574 | 562 | 549 | 505 | 561 |
| Greenlee | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | * |
| La Paz | 6 | * | * | * | * | 7 | * | * | 6 | * | * |
| Maricopa | 57,046 | 58,188 | 57,529 | 59,070 | 58,194 | 57,481 | 55,935 | 55,147 | 54,369 | 52,688 | 53,878 |
| Mohave | 1,993 | 1,976 | 1,995 | 2,000 | 1,949 | 1,931 | 1,819 | 1,833 | 1,754 | 1,705 | 1,760 |
| Navajo | 1,271 | 1,288 | 1,236 | 1,272 | 1,234 | 1,232 | 1,197 | 1,062 | 1,085 | 1,104 | 1,038 |
| Pima | 13,138 | 13,228 | 13,235 | 13,124 | 12,781 | 12,634 | 12,233 | 11,993 | 11,878 | 11,289 | 11,290 |
| Pinal | 1,596 | 1,814 | 1,743 | 1,615 | 1,597 | 1,689 | 1,615 | 1,836 | 2,003 | 1,894 | 1,942 |
| Santa Cruz | 762 | 728 | 744 | 716 | 720 | 730 | 706 | 702 | 697 | 653 | 496 |
| Yavapai | 1,647 | 1,598 | 1,653 | 1,770 | 1,674 | 1,662 | 1,607 | 1,580 | 1,587 | 1,499 | 1,505 |
| Yuma | 3,409 | 3,354 | 3,385 | 3,333 | 3,347 | 3,331 | 3,292 | 3,405 | 3,177 | 3,018 | 3,007 |
| Unknown | 0 | 0 | 46 | 18 | 415 | 621 | 597 | 654 | 653 | 630 | 677 |

Notes: * Cell suppressed due to non-zero count less than 6; ^a Resident and non-resident births occurring in Arizona; ^b Total births include resident births occurring out-of-state.

**TABLE 5B-5
RESIDENT BIRTHS BY PLACE OF OCCURRENCE AND NON-RESIDENT BIRTHS BY COUNTY OF OCCURRENCE
IN ARIZONA, 2021**

| County of residence | County of occurrence | | | | | | | | | | | | | AZ resident born outside AZ | Total resident births ^a | | | |
|---------------------------------------|----------------------|---------|----------|------|--------|----------|--------|----------|--------|--------|---------|--------|------------|-----------------------------|------------------------------------|---------|------|---------|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | | | Yavapai | Yuma | |
| Apache | 378 | 0 | 26 | 0 | 0 | 0 | 0 | 31 | 0 | 176 | * | 0 | 0 | 0 | 0 | 612 | 150 | 760† |
| Cochise | 0 | 596 | 0 | 0 | 25 | 0 | 0 | 11 | 0 | 0 | 608 | * | 0 | 0 | 0 | 1,241 | 6 | 1,250† |
| Coconino | 0 | 0 | 1,163 | * | 0 | 0 | 0 | 62 | 10 | 8 | * | 0 | 0 | 14 | 0 | 1,260 | 40 | 1,300† |
| Gila | 0 | 0 | * | 355 | 0 | 0 | 0 | 78 | 0 | * | * | 0 | 0 | * | 0 | 451 | * | 450† |
| Graham | 0 | 0 | * | 43 | 432 | 0 | 0 | 16 | 0 | * | 27 | * | 0 | 0 | 0 | 521 | * | 520† |
| Greenlee | 0 | 0 | 0 | * | 92 | * | 0 | * | 0 | * | 15 | 0 | 0 | 0 | 0 | 115 | * | 120† |
| La Paz | 0 | 0 | 0 | 0 | 0 | 0 | * | 32 | 119 | 0 | 0 | 0 | 0 | * | 6 | 162 | * | 170† |
| Maricopa | * | * | 12 | 8 | 0 | 0 | 0 | 49,774 | * | * | 46 | 212 | 14 | 11 | 15 | 50,107 | 138 | 50,250† |
| Mohave | 0 | * | 6 | 0 | 0 | 0 | 0 | 93 | 1,517 | 0 | 0 | 0 | 0 | * | 0 | 1,620 | 182 | 1,800† |
| Navajo | 75 | * | 174 | * | 0 | 0 | 0 | 96 | 0 | 833 | * | 0 | 0 | 0 | 0 | 1,185 | 25 | 1,210† |
| Pima | 0 | 8 | * | 0 | * | 0 | 0 | 62 | * | * | 9,826 | 12 | 20 | * | * | 9,939 | 31 | 9,970† |
| Pinal | * | 0 | * | 13 | * | 0 | 0 | 2,962 | 0 | 0 | 147 | 1,702 | 0 | 0 | * | 4,828 | 12 | 4,840† |
| Santa Cruz | 0 | * | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 234 | * | 264 | 0 | 0 | 508 | 0 | 510† |
| Yavapai | 0 | * | 48 | 0 | * | 0 | 0 | 204 | * | 0 | * | 0 | 0 | 1,454 | * | 1,717 | 8 | 1,730† |
| Yuma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | * | * | 0 | 0 | 2,796 | 2,846 | 49 | 2,900† |
| Unknown | 0 | 0 | * | * | * | 0 | 0 | 47 | 9 | 0 | 6 | 0 | 0 | * | 0 | 69 | 28 | 97 |
| AZ resident | 460† | 620† | 1,440† | 430† | 550† | 0† | 0† | 53,530† | 1,660† | 1,030† | 10,920† | 1,940† | 298 | 1,490† | 2,820† | 77,180† | 680† | 77,857 |
| Non-resident born in AZ | 49 | 13 | 19 | * | 8 | 0 | 0 | 352 | 96 | 8 | 367 | 7 | 198 | 13 | 185 | 1,320† | | |
| Total born in specified county | 510† | 630† | 1,460† | 430† | 560† | 0† | 0† | 53,880† | 1,760† | 1,040† | 11,290† | 1,940† | 496 | 1,510† | 3,010† | 78,500† | | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Total number of resident births includes 97 births with unknown Arizona county of residence.

**TABLE 5B-6
NUMBER OF BIRTHS BY MONTH AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | TOTAL | Month of birth | | | | | | | | | | | |
|-------------------|------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| ARIZONA | 77,857 | 6,156 | 5,606 | 6,002 | 6,024 | 6,051 | 6,217 | 6,904 | 7,094 | 7,097 | 7,049 | 6,693 | 6,964 |
| Apache | 762 | 70 | 47 | 68 | 70 | 58 | 60 | 59 | 63 | 74 | 74 | 49 | 70 |
| Cochise | 1,247 | 114 | 87 | 121 | 72 | 99 | 94 | 109 | 142 | 95 | 91 | 110 | 113 |
| Coconino | 1,300 | 103 | 93 | 101 | 115 | 112 | 115 | 115 | 119 | 119 | 110 | 98 | 100 |
| Gila | 452 | 41 | 30 | 33 | 44 | 28 | 25 | 45 | 44 | 37 | 44 | 37 | 44 |
| Graham | 522 | 37 | 34 | 38 | 41 | 52 | 39 | 57 | 53 | 45 | 40 | 36 | 50 |
| Greenlee | 117 | 10 | 9 | 16 | 9 | 6 | 13 | 8 | 7 | 10 | 6 | 12 | 11 |
| La Paz | 165 | 9 | 11 | 15 | 13 | 20 | 15 | 18 | 14 | 13 | 14 | 8 | 15 |
| Maricopa | 50,245 | 3,952 | 3,625 | 3,845 | 3,885 | 3,908 | 4,028 | 4,453 | 4,527 | 4,568 | 4,618 | 4,378 | 4,458 |
| Mohave | 1,802 | 137 | 127 | 123 | 149 | 147 | 141 | 169 | 192 | 166 | 160 | 135 | 156 |
| Navajo | 1,210 | 81 | 95 | 91 | 102 | 94 | 104 | 117 | 102 | 119 | 101 | 96 | 108 |
| Pima | 9,970 | 802 | 715 | 765 | 768 | 782 | 790 | 881 | 889 | 896 | 911 | 873 | 898 |
| Pinal | 4,840 | 376 | 335 | 403 | 391 | 358 | 395 | 417 | 468 | 440 | 414 | 407 | 436 |
| Santa Cruz | 508 | 37 | 32 | 27 | 29 | 41 | 43 | 39 | 51 | 51 | 64 | 45 | 49 |
| Yavapai | 1,725 | 142 | 130 | 130 | 132 | 127 | 140 | 165 | 148 | 156 | 138 | 150 | 167 |
| Yuma | 2,895 | 229 | 226 | 213 | 193 | 212 | 209 | 244 | 273 | 300 | 260 | 255 | 281 |
| Unknown | 100 [†] | 16 | 10 | 13 | 11 | 7 | 6 | 8 | * | 8 | * | * | 8 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-7
BIRTHS BY MOTHER'S RACE/ETHNICITY, THE PARTY PAYING FOR THE DELIVERY, AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| All racial/ethnic groups | County of residence | | | | | | | | | | | | | Unknown | | |
|--------------------------|---------------------|---------|----------|------|--------|----------|--------|----------|--------|--------|--------|--------|------------|---------|---------|------|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | | Yavapai | Yuma |
| Total | 77,857 | 1,247 | 1,300 | 452 | 522 | 120† | 170† | 50,245 | 1,802 | 1,210 | 9,970 | 4,840 | 508 | 1,730† | 2,895 | 100† |
| AHCCCS | 36,163 | 593 | 617 | 201 | 219 | 35 | 126 | 21,835 | 1,137 | 856 | 4,831 | 2,136 | 325 | 853 | 1,706 | 70 |
| IHS | 761 | 36 | 29 | 112 | 40 | * | 14 | 280 | 6 | 24 | 90 | 115 | 0 | * | 10 | * |
| Private Insurance | 33,649 | 109 | 560 | 116 | 232 | 73 | 21 | 23,718 | 481 | 273 | 3,985 | 2,195 | 114 | 684 | 753 | 7 |
| Self-pay | 4,325 | 20 | 85 | 77 | 28 | 8 | * | 2,529 | 147 | 44 | 469 | 269 | 62 | 144 | 406 | 14 |
| Unknown | 2,959 | * | 211 | 17 | * | * | 0 | 1,883 | 31 | 13 | 595 | 125 | 7 | 42 | 20 | * |
| Total | 33,851 | 150† | 604 | 200† | 280† | 60† | 60† | 22,006 | 1,280† | 480† | 3,860† | 2,370† | 40† | 1,252 | 516 | 70† |
| AHCCCS | 10,314 | 70 | 234 | 105 | 104 | 11 | 47 | 5,710 | 754 | 247 | 1,275 | 810 | 25 | 557 | 151 | 58 |
| IHS | 40† | * | 0 | * | * | 0 | * | 18 | * | * | * | * | 0 | 0 | 0 | * |
| Private Insurance | 19,971 | 64 | 193 | 76 | 155 | 44 | 9 | 14,273 | 378 | 192 | 2,087 | 1,329 | 14 | 559 | 204 | * |
| Self-pay | 2,160† | 10 | 43 | 62 | 14 | 18 | * | 1,301 | 116 | 28 | 134 | 165 | * | 104 | 153 | 6 |
| Unknown | 1,370† | * | 134 | 11 | * | 0 | 0 | 704 | 24 | 12 | 365 | 66 | * | 32 | 8 | * |
| Total | 32,288 | 50† | 567 | 177 | 160 | 47 | 70† | 20,632 | 415 | 132 | 5,009 | 1,820† | 455 | 383 | 2,250† | 20† |
| AHCCCS | 19,480 | 34 | 357 | 101 | 87 | 18 | 53 | 12,303 | 308 | 98 | 2,985 | 1,016 | 296 | 246 | 1,494 | 10 |
| IHS | 50† | 0 | 0 | 0 | 0 | 0 | * | 16 | 0 | 0 | 18 | * | 0 | 0 | * | 0 |
| Private Insurance | 9,734 | 13 | 119 | 64 | 66 | 23 | 10 | 6,389 | 80 | 27 | 1,549 | 666 | 97 | 92 | 511 | * |
| Self-pay | 1,770† | * | 40 | 10 | 7 | 6 | * | 962 | 23 | 6 | 297 | 79 | 58 | 36 | 232 | 8 |
| Unknown | 1,260† | 0 | 51 | * | 0 | 0 | 0 | 962 | * | * | 160 | 50 | * | 9 | 10 | 0 |
| Total | 4,800† | 0† | 40† | 15 | 10† | 0† | 0 | 3,940† | 20† | 10† | 455 | 246 | 0† | 20† | 42 | 0† |
| AHCCCS | 3,120† | 0 | 20 | 6 | * | 0 | 0 | 2,591 | 14 | * | 306 | 145 | * | 8 | 19 | * |
| IHS | 0† | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private Insurance | 1,340† | * | 8 | 9 | 0 | 0 | 0 | 1,101 | * | * | 105 | 91 | * | * | 11 | 0 |
| Self-pay | 160† | 0 | 0 | 0 | 0 | 0 | 0 | 126 | 0 | 0 | 13 | 8 | * | * | 11 | 0 |
| Unknown | 170† | 0 | 13 | 0 | 0 | 0 | 0 | 118 | * | 0 | 31 | * | 0 | * | * | 0 |
| Total | 3,910† | 558 | 10† | 460† | 138 | 10† | 30† | 1,249 | 60† | 578 | 330† | 307 | 0† | 50† | 40† | 0† |
| AHCCCS | 2,560† | 487 | * | 348 | 17 | 27 | 25 | 710 | 51 | 504 | 188 | 134 | 0 | 34 | 21 | * |
| IHS | 670† | 34 | 0 | 27 | 107 | 39 | 7 | 244 | * | 21 | 69 | 108 | 0 | * | 8 | * |
| Private Insurance | 550† | 28 | * | 78 | 14 | 8 | * | 239 | * | 44 | 55 | 50 | 0 | 16 | 6 | 0 |
| Self-pay | 80† | 6 | 0 | * | 0 | * | 0 | 37 | * | 9 | * | 9 | * | * | * | 0 |
| Unknown | 50† | * | * | * | 0 | 0 | 0 | 19 | * | 0 | 9 | 6 | * | 0 | * | 0 |
| Total | 3,020† | 10† | 30† | 27 | 0† | 0† | 0† | 2,420 | 30† | 10† | 316 | 99 | 10† | 20† | 48 | 0 |
| AHCCCS | 690† | * | 7 | 6 | 0 | 0 | * | 521 | 10 | * | 77 | 31 | * | 8 | 21 | 0 |
| IHS | 0† | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Private Insurance | 2,050† | * | 6 | 20 | 0 | * | * | 1,716 | 17 | 6 | 189 | 59 | * | 12 | 21 | 0 |
| Self-pay | 150† | * | * | 0 | * | 0 | 0 | 103 | * | * | 20 | 8 | 0 | * | 6 | 0 |
| Unknown | 120† | 0 | 11 | * | 0 | 0 | 0 | 80 | * | 0 | 30 | * | 0 | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program. IHS is the Indian Health Service.

**TABLE 5B-8
BIRTHS BY MOTHER'S RACE/ETHNICITY, CHILD'S GENDER, AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | All racial/ethnic groups | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|-------------------|--------------------------|--------|--------|--------------------|--------|--------|--------------------|--------|--------|---------------------------|-------|-------|----------------------------------|-------|-------|---------------------------|-------|-------|
| | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| ARIZONA | 77,857 | 39,840 | 38,017 | 33,851 | 17,431 | 16,420 | 32,288 | 16,442 | 15,846 | 4,795 | 2,398 | 2,397 | 3,906 | 1,992 | 1,914 | 3,017 | 1,577 | 1,440 |
| Apache | 762 | 376 | 386 | 146 | 69 | 77 | 50 | 27 | 23 | 0† | * | * | 558 | 275 | 283 | 10† | * | * |
| Cochise | 1,247 | 661 | 586 | 604 | 311 | 293 | 567 | 310 | 257 | 42 | 21 | 21 | 10† | * | 7 | 25 | 17 | 8 |
| Coconino | 1,300 | 679 | 621 | 620 | 320 | 300 | 177 | 94 | 83 | 15 | 8 | 7 | 461 | 244 | 217 | 27 | 13 | 14 |
| Gila | 452 | 220 | 232 | 199 | 100 | 99 | 109 | 56 | 53 | 10† | * | * | 138 | 59 | 79 | 0† | * | 0 |
| Graham | 522 | 278 | 244 | 281 | 160 | 121 | 160 | 78 | 82 | 0† | * | 0 | 76 | 36 | 40 | 0† | * | * |
| Greenlee | 117 | 55 | 62 | 56 | 25 | 31 | 47 | 22 | 25 | 0† | * | 0 | 10† | 6 | * | 0† | * | * |
| La Paz | 165 | 82 | 83 | 63 | 28 | 35 | 67 | 37 | 30 | 0 | 0 | 0 | 33 | 17 | 16 | 0† | 0 | * |
| Maricopa | 50,245 | 25,620 | 24,625 | 22,006 | 11,285 | 10,721 | 20,632 | 10,476 | 10,156 | 3,938 | 1,969 | 1,969 | 1,249 | 650 | 599 | 2,420 | 1,240 | 1,180 |
| Mohave | 1,802 | 946 | 856 | 1,275 | 676 | 599 | 415 | 210 | 205 | 17 | 8 | 9 | 63 | 35 | 28 | 32 | 17 | 15 |
| Navajo | 1,210 | 623 | 587 | 480 | 256 | 224 | 132 | 70 | 62 | 10† | 6 | * | 578 | 285 | 293 | 10† | 6 | * |
| Pima | 9,970 | 5,072 | 4,898 | 3,854 | 1,987 | 1,877 | 5,009 | 2,511 | 2,498 | 455 | 222 | 233 | 326 | 175 | 151 | 316 | 177 | 139 |
| Pinal | 4,840 | 2,513 | 2,327 | 2,372 | 1,247 | 1,125 | 1,816 | 938 | 878 | 246 | 118 | 128 | 307 | 151 | 156 | 99 | 59 | 40 |
| Santa Cruz | 508 | 261 | 247 | 43 | 16 | 27 | 455 | 237 | 218 | 0† | * | 0 | 0† | 0 | * | 10† | * | 0 |
| Yavapai | 1,725 | 876 | 849 | 1,252 | 613 | 639 | 383 | 201 | 182 | 20† | 12 | * | 53 | 38 | 15 | 21 | 12 | 9 |
| Yuma | 2,895 | 1,523 | 1,372 | 516 | 292 | 224 | 2,249 | 1,167 | 1,082 | 42 | 22 | 20 | 40 | 19 | 21 | 48 | 23 | 25 |
| Unknown | 97 | 55 | 42 | 74 | 46 | 28 | 20 | 8 | 12 | 0† | * | 0 | 0† | 0 | * | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-9
NUMBER OF BIRTHS BY MOTHER'S AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Mother's age group | | | | | | | | | | Unknown |
|-------------------|--------|--------------------|-------|--------|--------|--------|--------|--------|--------|------|----|---------|
| | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | | |
| ARIZONA | 77,857 | 40† | 870† | 2,670† | 15,687 | 23,617 | 21,794 | 10,664 | 2,320† | 200† | 0† | |
| Apache | 760† | * | 19 | 36 | 173 | 224 | 175 | 100 | 29 | * | 0 | |
| Cochise | 1,250† | * | 22 | 55 | 286 | 400 | 337 | 121 | 22 | * | 0 | |
| Coconino | 1,300 | 0 | 28 | 46 | 250 | 375 | 371 | 189 | 41 | 0 | 0 | |
| Gila | 452 | 0 | 17 | 26 | 124 | 127 | 106 | 40 | 12 | 0 | 0 | |
| Graham | 520† | 0 | 10 | 32 | 169 | 180 | 96 | 28 | 6 | * | 0 | |
| Greenlee | 120† | 0 | * | * | 38 | 33 | 31 | 7 | * | 0 | 0 | |
| La Paz | 170† | 0 | * | 12 | 54 | 49 | 29 | 16 | * | 0 | 0 | |
| Maricopa | 50,245 | 25 | 459 | 1,539 | 9,432 | 15,064 | 14,588 | 7,415 | 1,599 | 123 | * | |
| Mohave | 1,800† | * | 26 | 80 | 477 | 553 | 427 | 189 | 47 | * | 0 | |
| Navajo | 1,210† | * | 28 | 64 | 286 | 388 | 274 | 132 | 36 | * | 0 | |
| Pima | 9,970† | * | 111 | 357 | 2,063 | 2,906 | 2,825 | 1,381 | 299 | 24 | 0 | |
| Pinal | 4,840† | * | 55 | 202 | 1,082 | 1,628 | 1,276 | 482 | 106 | 7 | 0 | |
| Santa Cruz | 510† | 0 | 16 | 26 | 111 | 169 | 122 | 49 | 13 | * | 0 | |
| Yavapai | 1,730† | * | 20 | 59 | 417 | 551 | 429 | 208 | 36 | * | 0 | |
| Yuma | 2,900† | * | 54 | 129 | 715 | 955 | 690 | 288 | 57 | * | 0 | |
| Unknown | 100† | 0 | * | 0 | 10 | 15 | 18 | 19 | 9 | 24 | * | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-10
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | | Total | Mother's age group | | | | | | | | | |
|---------------------------|----------------------------------|--------|--------------------|-------|-------|--------|--------|--------|--------|-------|------|----------|
| | | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un-known |
| ARIZONA | Total | 77,857 | 40† | 870† | 2,668 | 15,687 | 23,617 | 21,794 | 10,664 | 2,317 | 200† | 0† |
| | White non-Hispanic | 33,851 | 10 | 147 | 659 | 5,173 | 10,189 | 11,003 | 5,452 | 1,106 | 110 | * |
| | Hispanic or Latino | 32,288 | 21 | 566 | 1,596 | 8,264 | 10,176 | 7,421 | 3,381 | 812 | 51 | 0 |
| | Black or African American | 4,795 | * | 43 | 171 | 1,054 | 1,441 | 1,268 | 643 | 159 | 13 | 0 |
| | American Indian or Alaska Native | 3,906 | 7 | 108 | 227 | 959 | 1,126 | 931 | 449 | 94 | * | 0 |
| Asian or Pacific Islander | 3,017 | * | * | 15 | 237 | 685 | 1,171 | 739 | 146 | 17 | 0 | |
| Apache | Total | 760† | 0† | 20† | 40† | 170† | 224 | 180† | 100† | 30† | 0† | 0 |
| | White non-Hispanic | 150† | 0 | 0 | * | 32 | 47 | 37 | 19 | 7 | 0 | 0 |
| | Hispanic or Latino | 50† | 0 | * | * | 12 | 8 | 12 | 9 | * | 0 | 0 |
| | Black or African American | 0† | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 |
| | American Indian or Alaska Native | 560† | * | 18 | 28 | 128 | 169 | 125 | 68 | 16 | * | 0 |
| Asian or Pacific Islander | 10† | 0 | 0 | 0 | * | 0 | * | * | * | 0 | 0 | |
| Cochise | Total | 1,250† | 0† | 20† | 60† | 290† | 400† | 340† | 120† | 20† | 0† | 0 |
| | White non-Hispanic | 600† | 0 | 11 | 15 | 114 | 205 | 178 | 71 | 9 | * | 0 |
| | Hispanic or Latino | 570† | * | 9 | 37 | 162 | 179 | 130 | 37 | 11 | * | 0 |
| | Black or African American | 40† | * | 0 | * | * | 10 | 16 | 9 | 0 | 0 | 0 |
| | American Indian or Alaska Native | 10† | 0 | 0 | * | * | * | * | 0 | 0 | 0 | 0 |
| Asian or Pacific Islander | 30† | 0 | * | * | * | * | 8 | * | * | 0 | 0 | |
| Coconino | Total | 1,300 | 0 | 30† | 46 | 250† | 375 | 370† | 190† | 40† | 0 | 0 |
| | White non-Hispanic | 620 | 0 | 7 | 7 | 79 | 194 | 213 | 97 | 23 | 0 | 0 |
| | Hispanic or Latino | 180† | 0 | 8 | 9 | 52 | 48 | 36 | 22 | * | 0 | 0 |
| | Black or African American | 20† | 0 | 0 | 0 | * | 6 | * | * | 0 | 0 | 0 |
| | American Indian or Alaska Native | 461 | 0 | 12 | 30 | 115 | 120 | 110 | 61 | 13 | 0 | 0 |
| Asian or Pacific Islander | 30† | 0 | * | 0 | * | 7 | 8 | 6 | * | 0 | 0 | |
| Gila | Total | 450† | 0 | 20† | 26 | 120† | 130† | 110† | 40† | 10† | 0 | 0 |
| | White non-Hispanic | 200† | 0 | * | 13 | 44 | 55 | 47 | 27 | 9 | 0 | 0 |
| | Hispanic or Latino | 110† | 0 | * | 7 | 40 | 28 | 24 | * | * | 0 | 0 |
| | Black or African American | 10† | 0 | * | 0 | * | * | * | 0 | 0 | 0 | 0 |
| | American Indian or Alaska Native | 140† | 0 | 7 | 6 | 39 | 42 | 33 | 9 | * | 0 | 0 |
| Asian or Pacific Islander | 0† | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | |
| Graham | Total | 520† | 0 | 10† | 30† | 169 | 180† | 100† | 30† | 10† | 0† | 0 |
| | White non-Hispanic | 280† | 0 | * | 13 | 89 | 109 | 51 | 13 | * | * | 0 |
| | Hispanic or Latino | 160† | 0 | * | 6 | 57 | 50 | 25 | 12 | * | 0 | 0 |
| | Black or African American | 0† | 0 | 0 | * | 0 | * | 0 | 0 | 0 | 0 | 0 |
| | American Indian or Alaska Native | 80† | 0 | * | 11 | 23 | 19 | 19 | * | 0 | 0 | 0 |
| Asian or Pacific Islander | 0† | 0 | 0 | * | 0 | * | * | 0 | 0 | 0 | 0 | |
| Greenlee | Total | 120† | 0 | 0† | 10† | 40† | 33 | 30† | 10† | 0† | 0 | 0 |
| | White non-Hispanic | 60† | 0 | 0 | * | 18 | 13 | 20 | * | * | 0 | 0 |
| | Hispanic or Latino | 50† | 0 | * | * | 16 | 14 | 9 | * | 0 | 0 | 0 |
| | Black or African American | 0† | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 |
| | American Indian or Alaska Native | 10† | 0 | 0 | * | * | 6 | * | * | 0 | 0 | 0 |
| Asian or Pacific Islander | 0† | 0 | 0 | 0 | * | 0 | * | 0 | 0 | 0 | 0 | |
| La Paz | Total | 170† | 0 | 0† | 10† | 50† | 50† | 30† | 20† | 0† | 0 | 0 |
| | White non-Hispanic | 60† | 0 | 0 | * | 21 | 17 | 14 | * | * | 0 | 0 |
| | Hispanic or Latino | 70† | 0 | * | * | 25 | 20 | 10 | 7 | 0 | 0 | 0 |
| | Black or African American | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | American Indian or Alaska Native | 30† | 0 | * | * | 7 | 11 | * | * | * | 0 | 0 |
| Asian or Pacific Islander | 0† | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 | |
| Maricopa | Total | 50,245 | 30† | 460† | 1,539 | 9,432 | 15,064 | 14,588 | 7,415 | 1,599 | 120† | 0† |
| | White non-Hispanic | 22,006 | 6 | 57 | 344 | 2,849 | 6,521 | 7,536 | 3,860 | 768 | 64 | * |
| | Hispanic or Latino | 20,632 | 14 | 347 | 987 | 5,227 | 6,435 | 4,761 | 2,265 | 562 | 34 | 0 |
| | Black or African American | 3,940† | * | 36 | 144 | 867 | 1,209 | 1,016 | 529 | 128 | 7 | 0 |
| | American Indian or Alaska Native | 1,250† | * | 18 | 55 | 325 | 362 | 311 | 147 | 29 | * | 0 |
| Asian or Pacific Islander | 2,420† | * | * | 9 | 164 | 537 | 964 | 614 | 112 | 17 | 0 | |

TABLE 5B-10 (continued)
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND COUNTY OF RESIDENCE, ARIZONA, 2021

| | Total | Mother's age group | | | | | | | | | | |
|-------------------|-----------------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|------|----------|----|
| | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Un-known | |
| Mohave | Total | 1,800† | 0† | 30† | 80 | 480† | 550† | 430† | 190† | 50† | 0† | 0 |
| | White non-Hispanic | 1,280† | * | 12 | 58 | 325 | 401 | 303 | 139 | 36 | 0 | 0 |
| | Hispanic or Latino | 420† | 0 | 10 | 15 | 125 | 129 | 90 | 41 | * | * | 0 |
| | Black or African American | 20† | 0 | * | 0 | 6 | 6 | * | * | 0 | 0 | 0 |
| | American Indian or Alaska Native | 60† | * | * | 7 | 18 | 12 | 15 | * | * | 0 | 0 |
| | Asian or Pacific Islander | 30† | 0 | 0 | 0 | * | * | 16 | * | * | 0 | 0 |
| Navajo | Total | 1,210† | 0† | 30† | 60† | 290† | 390† | 270† | 130† | 40† | 0† | 0 |
| | White non-Hispanic | 480† | 0 | * | 17 | 127 | 161 | 108 | 51 | 12 | * | 0 |
| | Hispanic or Latino | 130† | 0 | * | 9 | 38 | 50 | 22 | 8 | * | 0 | 0 |
| | Black or African American | 10† | 0 | 0 | * | * | * | * | * | 0 | 0 | 0 |
| | American Indian or Alaska Native | 580† | * | 22 | 37 | 116 | 172 | 138 | 71 | 21 | 0 | 0 |
| | Asian or Pacific Islander | 10† | 0 | 0 | 0 | * | * | * | 0 | * | 0 | 0 |
| Pima | Total | 9,970† | 0† | 110† | 360† | 2,063 | 2,906 | 2,825 | 1,381 | 300† | 20† | 0 |
| | White non-Hispanic | 3,860† | * | 19 | 64 | 591 | 1,085 | 1,290 | 669 | 135 | 10 | 0 |
| | Hispanic or Latino | 5,010† | * | 82 | 257 | 1,251 | 1,540 | 1,203 | 539 | 124 | 10 | 0 |
| | Black or African American | 460† | 0 | * | 15 | 115 | 102 | 141 | 57 | 20 | * | 0 |
| | American Indian or Alaska Native | 330† | 0 | 9 | 20 | 73 | 98 | 80 | 41 | * | 0 | 0 |
| | Asian or Pacific Islander | 320† | 0 | 0 | * | 33 | 81 | 111 | 75 | 15 | 0 | 0 |
| Pinal | Total | 4,840† | 0† | 60† | 202 | 1,082 | 1,628 | 1,276 | 482 | 110† | 10† | 0 |
| | White non-Hispanic | 2,370† | * | 13 | 69 | 462 | 819 | 688 | 257 | 57 | 6 | 0 |
| | Hispanic or Latino | 1,816 | 0 | 25 | 103 | 479 | 622 | 405 | 147 | 35 | 0 | 0 |
| | Black or African American | 250† | 0 | * | 6 | 44 | 72 | 76 | 35 | 10 | * | 0 |
| | American Indian or Alaska Native | 310† | * | 15 | 24 | 79 | 90 | 71 | 24 | * | 0 | 0 |
| | Asian or Pacific Islander | 100† | 0 | 0 | 0 | 18 | 25 | 36 | 19 | * | 0 | 0 |
| Santa Cruz | Total | 510† | 0 | 20† | 30† | 110† | 170† | 120† | 50† | 10† | 0† | 0 |
| | White non-Hispanic | 40† | 0 | * | * | * | 14 | 11 | 7 | * | 0 | 0 |
| | Hispanic or Latino | 460† | 0 | 12 | 23 | 106 | 152 | 109 | 41 | 10 | * | 0 |
| | Black or African American | 0† | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 |
| | American Indian or Alaska Native | 0† | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| | Asian or Pacific Islander | 10† | 0 | * | 0 | 0 | 0 | * | * | * | 0 | 0 |
| Yavapai | Total | 1,730† | 0† | 20† | 60† | 420† | 550† | 430† | 210† | 40† | 0† | 0 |
| | White non-Hispanic | 1,250† | * | 11 | 36 | 294 | 397 | 326 | 164 | 21 | * | 0 |
| | Hispanic or Latino | 380† | * | 8 | 19 | 99 | 133 | 79 | 32 | 11 | * | 0 |
| | Black or African American | 20† | 0 | 0 | * | * | 7 | * | * | 0 | 0 | 0 |
| | American Indian or Alaska Native | 50† | 0 | * | * | 18 | 9 | 13 | 8 | * | 0 | 0 |
| | Asian or Pacific Islander | 20† | 0 | 0 | 0 | * | * | 8 | * | * | 0 | 0 |
| Yuma | Total | 2,900† | 0† | 50† | 130† | 715 | 955 | 690† | 290† | 60† | 10† | 0 |
| | White non-Hispanic | 520† | 0 | * | 10 | 119 | 144 | 168 | 56 | 14 | * | 0 |
| | Hispanic or Latino | 2,250† | * | 48 | 113 | 570 | 761 | 501 | 211 | 41 | * | 0 |
| | Black or African American | 40† | 0 | * | * | 7 | 21 | * | * | * | * | 0 |
| | American Indian or Alaska Native | 40† | 0 | * | * | 13 | 13 | * | 6 | 0 | * | 0 |
| | Asian or Pacific Islander | 50† | 0 | 0 | * | 6 | 16 | 11 | 11 | * | 0 | 0 |
| Unknown | Total | 100† | 0 | 0† | 0 | 10† | 20† | 20† | 20† | 9 | 24 | 0† |
| | White non-Hispanic | 70† | 0 | 0 | 0 | * | 7 | 13 | 16 | 9 | 24 | * |
| | Hispanic or Latino | 20† | 0 | * | 0 | * | 7 | * | * | 0 | 0 | 0 |
| | Black or African American | 0† | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| | American Indian or Alaska Native | 0† | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 |
| | Asian or Pacific Islander | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-11
BIRTHS BY TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN AND MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | | No care | | 1st trimester | | 2nd trimester | | 3rd trimester | | Unknown | |
|-------------------|--------|-------|---------|------|---------------|------|---------------|------|---------------|------|---------|------|
| | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| ARIZONA | 77,857 | 100.0 | 1,940† | 2.5 | 55,860 | 71.7 | 12,841 | 16.5 | 4,741 | 6.1 | 2,470† | 0.2 |
| Apache | 762 | 100.0 | 28 | 3.7 | 485 | 63.6 | 157 | 20.6 | 48 | 6.3 | 44 | 5.8 |
| Cochise | 1,247 | 100.0 | 77 | 6.2 | 728 | 58.4 | 317 | 25.4 | 109 | 8.7 | 16 | 1.3 |
| Coconino | 1,300 | 100.0 | 26 | 2.0 | 871 | 67.0 | 224 | 17.2 | 79 | 6.1 | 100 | 7.7 |
| Gila | 452 | 100.0 | 17 | 3.8 | 284 | 62.8 | 81 | 17.9 | 44 | 9.7 | 26 | 5.8 |
| Graham | 522 | 100.0 | 13 | 2.5 | 359 | 68.8 | 94 | 18.0 | 49 | 9.4 | 7 | 1.3 |
| Greenlee | 117 | 100.0 | * | ** | 81 | 69.2 | 22 | 18.8 | 10 | 8.5 | 0 | 0.0 |
| La Paz | 165 | 100.0 | 10 | 6.1 | 80 | 48.5 | 37 | 22.4 | 13 | 7.9 | 25 | 15.2 |
| Maricopa | 50,245 | 100.0 | 862 | 1.7 | 37,186 | 74.0 | 7,696 | 15.3 | 2,721 | 5.4 | 1,780 | 3.5 |
| Mohave | 1,802 | 100.0 | 27 | 1.5 | 1,251 | 69.4 | 327 | 18.1 | 102 | 5.7 | 95 | 5.3 |
| Navajo | 1,210 | 100.0 | 38 | 3.1 | 835 | 69.0 | 235 | 19.4 | 65 | 5.4 | 37 | 3.1 |
| Pima | 9,970 | 100.0 | 465 | 4.7 | 6,861 | 68.8 | 1,846 | 18.5 | 678 | 6.8 | 120 | 1.2 |
| Pinal | 4,840 | 100.0 | 82 | 1.7 | 3,572 | 73.8 | 748 | 15.5 | 279 | 5.8 | 159 | 3.3 |
| Santa Cruz | 508 | 100.0 | 45 | 8.9 | 275 | 54.1 | 94 | 18.5 | 89 | 17.5 | * | ** |
| Yavapai | 1,725 | 100.0 | 17 | 1.0 | 1,298 | 75.2 | 292 | 16.9 | 86 | 5.0 | 32 | 1.9 |
| Yuma | 2,895 | 100.0 | 194 | 6.7 | 1,667 | 57.6 | 656 | 22.7 | 359 | 12.4 | 19 | 0.7 |
| Unknown | 97 | 100.0 | 36 | 37.1 | 27 | 27.8 | 15 | 15.5 | 10 | 10.3 | 9 | 9.3 |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-12
BIRTHS BY NUMBER OF PRENATAL VISITS AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | | Number of prenatal visits | | | | | | | | | | | |
|-------------------|--------|-------|---------------------------|------|------------|------|------------|------|-------------|------|------------|------|---------|-----|
| | | | No visits | | 1-4 visits | | 5-8 visits | | 9-12 visits | | 13+ visits | | Unknown | |
| | | | Count | % | Count | % | Count | % | Count | % | Count | % | Count | % |
| ARIZONA | 77,857 | 100.0 | 1,940† | 2.5 | 3,702 | 4.8 | 13,191 | 16.9 | 34,549 | 44.4 | 23,683 | 30.4 | 790† | 1.0 |
| Apache | 762 | 100.0 | 28 | 3.7 | 65 | 8.5 | 171 | 22.4 | 314 | 41.2 | 149 | 19.6 | 35 | 4.6 |
| Cochise | 1,247 | 100.0 | 77 | 6.2 | 92 | 7.4 | 237 | 19.0 | 562 | 45.1 | 273 | 21.9 | 6 | 0.5 |
| Coconino | 1,300 | 100.0 | 26 | 2.0 | 75 | 5.8 | 267 | 20.5 | 590 | 45.4 | 274 | 21.1 | 68 | 5.2 |
| Gila | 452 | 100.0 | 17 | 3.8 | 52 | 11.5 | 88 | 19.5 | 178 | 39.4 | 107 | 23.7 | 10 | 2.2 |
| Graham | 522 | 100.0 | 13 | 2.5 | 52 | 10.0 | 105 | 20.1 | 221 | 42.3 | 130 | 24.9 | * | ** |
| Greenlee | 117 | 100.0 | * | ** | 7 | 6.0 | 32 | 27.4 | 49 | 41.9 | 25 | 21.4 | 0 | 0.0 |
| La Paz | 165 | 100.0 | 10 | 6.1 | 8 | 4.8 | 50 | 30.3 | 57 | 34.5 | 37 | 22.4 | * | ** |
| Maricopa | 50,245 | 100.0 | 862 | 1.7 | 2,013 | 4.0 | 8,216 | 16.4 | 23,370 | 46.5 | 15,317 | 30.5 | 467 | 0.9 |
| Mohave | 1,802 | 100.0 | 27 | 1.5 | 77 | 4.3 | 408 | 22.6 | 741 | 41.1 | 522 | 29.0 | 27 | 1.5 |
| Navajo | 1,210 | 100.0 | 38 | 3.1 | 92 | 7.6 | 252 | 20.8 | 557 | 46.0 | 251 | 20.7 | 20 | 1.7 |
| Pima | 9,970 | 100.0 | 465 | 4.7 | 603 | 6.0 | 1,644 | 16.5 | 3,881 | 38.9 | 3,328 | 33.4 | 49 | 0.5 |
| Pinal | 4,840 | 100.0 | 82 | 1.7 | 195 | 4.0 | 669 | 13.8 | 1,849 | 38.2 | 1,972 | 40.7 | 73 | 1.5 |
| Santa Cruz | 508 | 100.0 | 45 | 8.9 | 71 | 14.0 | 122 | 24.0 | 193 | 38.0 | 76 | 15.0 | * | ** |
| Yavapai | 1,725 | 100.0 | 17 | 1.0 | 68 | 3.9 | 236 | 13.7 | 746 | 43.2 | 647 | 37.5 | 11 | 0.6 |
| Yuma | 2,895 | 100.0 | 194 | 6.7 | 218 | 7.5 | 677 | 23.4 | 1,222 | 42.2 | 570 | 19.7 | 14 | 0.5 |
| Unknown | 97 | 100.0 | 36 | 37.1 | 14 | 14.4 | 17 | 17.5 | 19 | 19.6 | * | ** | 6 | 6.2 |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-13
BIRTHS BY MOTHER'S EDUCATION AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Mother's education | | | | | | | | |
|-------------------|--------|--------------------|------------------|-----------------|--------------|------------------|-------------------|------------------------|---------|--|
| | | 8th Grade or less | Some High School | High School/GED | Some College | Associate Degree | Bachelor's Degree | Postgraduate Education | Unknown | |
| ARIZONA | 77,857 | 1,820† | 8,989 | 21,401 | 17,082 | 6,810† | 14,288 | 7,020† | 450† | |
| Apache | 762 | 10 | 123 | 238 | 221 | 87 | 57 | 24 | * | |
| Cochise | 1,247 | 25 | 154 | 378 | 303 | 141 | 178 | 66 | * | |
| Coconino | 1,300 | 12 | 150 | 345 | 264 | 116 | 263 | 146 | * | |
| Gila | 452 | 11 | 95 | 154 | 115 | 28 | 33 | 13 | * | |
| Graham | 522 | * | 69 | 137 | 151 | 97 | 51 | 11 | * | |
| Greenlee | 117 | * | 15 | 31 | 42 | 8 | 16 | * | * | |
| La Paz | 165 | * | 41 | 64 | 34 | * | 15 | * | 0 | |
| Maricopa | 50,245 | 1,354 | 5,273 | 13,079 | 10,496 | 4,200 | 10,369 | 5,247 | 227 | |
| Mohave | 1,802 | 43 | 273 | 684 | 418 | 171 | 141 | 54 | 18 | |
| Navajo | 1,210 | 11 | 198 | 431 | 324 | 121 | 94 | 27 | * | |
| Pima | 9,970 | 153 | 1,179 | 2,694 | 2,219 | 902 | 1,748 | 991 | 84 | |
| Pinal | 4,840 | 59 | 635 | 1,530 | 1,285 | 461 | 673 | 176 | 21 | |
| Santa Cruz | 508 | 11 | 87 | 149 | 110 | 55 | 78 | 18 | 0 | |
| Yavapai | 1,725 | 16 | 228 | 572 | 412 | 144 | 257 | 89 | 7 | |
| Yuma | 2,895 | 109 | 465 | 900 | 684 | 268 | 312 | 152 | * | |
| Unknown | 97 | * | * | 15 | * | * | * | * | 67 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-14
BIRTHS TO UNWED MOTHERS BY AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Mother's age group | | | | | | | | |
|-------------------|--------|--------------------|--------|--------|--------|-------|--------|-------|-----|--|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | |
| ARIZONA | 35,169 | 40† | 3,280† | 11,011 | 10,439 | 6,682 | 2,960† | 710† | 40† | |
| Apache | 553 | * | 54 | 152 | 161 | 108 | 62 | 11 | * | |
| Cochise | 534 | * | 68 | 185 | 145 | 97 | 31 | * | * | |
| Coconino | 606 | 0 | 72 | 173 | 174 | 114 | 58 | 15 | 0 | |
| Gila | 290 | 0 | 42 | 99 | 77 | 47 | 18 | 7 | 0 | |
| Graham | 246 | 0 | 39 | 89 | 66 | 39 | 9 | * | 0 | |
| Greenlee | 49 | 0 | * | 21 | 12 | 8 | * | * | 0 | |
| La Paz | 104 | 0 | 13 | 43 | 26 | 15 | * | * | 0 | |
| Maricopa | 21,728 | 25 | 1,855 | 6,652 | 6,547 | 4,201 | 1,925 | 494 | 29 | |
| Mohave | 1,000 | * | 91 | 337 | 294 | 184 | 76 | 16 | 0 | |
| Navajo | 712 | * | 86 | 198 | 210 | 137 | 66 | 14 | 0 | |
| Pima | 4,650 | * | 435 | 1,519 | 1,328 | 900 | 380 | 79 | * | |
| Pinal | 2,293 | * | 243 | 753 | 683 | 431 | 143 | 37 | * | |
| Santa Cruz | 291 | 0 | 40 | 84 | 90 | 50 | 22 | * | * | |
| Yavapai | 768 | * | 71 | 262 | 218 | 135 | 72 | 7 | * | |
| Yuma | 1,340 | * | 161 | 442 | 408 | 216 | 89 | 19 | * | |
| Unknown | 5 | 0 | * | * | 0 | 0 | * | 0 | 0 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-15
BIRTHS TO UNWED MOTHERS BY RACE/ETHNICITY, EDUCATION, AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Race/ethnicity | | | | | | Education | | | | | | |
|-------------------|--------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|-------------------|------------------|-----------------|--------------|------------------|-------------------|------------------------|---------|
| | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | 8th Grade or less | Some High School | High School/GED | Some College | Associate Degree | Bachelor's Degree | Postgraduate Education | Unknown |
| ARIZONA | 35,169 | 10,316 | 18,132 | 3,090† | 3,105 | 530† | 1,060† | 6,767 | 13,385 | 8,284 | 2,540† | 2,240† | 710† | 180† |
| Apache | 553 | 50 | 27 | * | 472 | * | 8 | 110 | 186 | 154 | 54 | 28 | 11 | * |
| Cochise | 534 | 185 | 315 | 21 | 6 | 7 | 20 | 112 | 203 | 135 | 38 | 17 | 8 | * |
| Coconino | 606 | 155 | 85 | * | 357 | * | 6 | 117 | 235 | 146 | 46 | 41 | 14 | * |
| Gila | 290 | 100 | 78 | * | 108 | 0 | 9 | 81 | 118 | 55 | 14 | 8 | * | * |
| Graham | 246 | 87 | 98 | * | 60 | 0 | * | 60 | 83 | 74 | 20 | * | 0 | * |
| Greenlee | 49 | 13 | 28 | 0 | 8 | 0 | * | 9 | 18 | 16 | * | * | 0 | 0 |
| La Paz | 104 | 37 | 42 | 0 | 25 | 0 | * | 33 | 49 | 15 | * | * | 0 | 0 |
| Maricopa | 21,728 | 6,119 | 11,654 | 2,604 | 974 | 377 | 775 | 3,912 | 8,180 | 5,064 | 1,601 | 1,582 | 503 | 111 |
| Mohave | 1,000 | 690 | 242 | 11 | 46 | 11 | 29 | 199 | 430 | 217 | 70 | 35 | 10 | 10 |
| Navajo | 712 | 161 | 78 | 7 | 463 | * | 9 | 160 | 306 | 167 | 43 | 22 | * | * |
| Pima | 4,650 | 1,199 | 2,848 | 260 | 269 | 74 | 88 | 934 | 1,750 | 1,121 | 353 | 266 | 99 | 39 |
| Pinal | 2,293 | 829 | 1,043 | 144 | 249 | 28 | 42 | 496 | 918 | 565 | 132 | 112 | 19 | 9 |
| Santa Cruz | 291 | 19 | 267 | * | 0 | * | 8 | 65 | 93 | 66 | 36 | 18 | * | 0 |
| Yavapai | 768 | 534 | 184 | 8 | 39 | * | 7 | 170 | 308 | 181 | 48 | 37 | 14 | * |
| Yuma | 1,340 | 138 | 1,140 | 16 | 27 | 19 | 52 | 308 | 505 | 308 | 85 | 59 | 22 | * |
| Unknown | 5 | 0 | * | 0 | * | 0 | * | * | * | 0 | 0 | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-16
LOW-BIRTHWEIGHT BIRTHS BY COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ARIZONA^a | 5,949 | 5,946 | 5,849 | 6,069 | 6,093 | 6,186 | 6,109 | 6,106 | 5,829 | 5,650 | 6,140 |
| Apache | 67 | 60 | 53 | 66 | 53 | 79 | 73 | 79 | 66 | 76 | 61 |
| Cochise | 135 | 123 | 122 | 129 | 133 | 130 | 105 | 105 | 103 | 92 | 120 |
| Coconino | 144 | 140 | 117 | 123 | 143 | 128 | 136 | 112 | 101 | 94 | 106 |
| Gila | 49 | 35 | 49 | 44 | 66 | 49 | 59 | 56 | 49 | 42 | 41 |
| Graham | 41 | 40 | 47 | 43 | 42 | 48 | 41 | 47 | 42 | 42 | 41 |
| Greenlee | 6 | 6 | 7 | 7 | 8 | 8 | 16 | 14 | 12 | 11 | 17 |
| La Paz | 12 | 13 | 14 | 16 | 12 | 14 | 7 | 13 | 16 | 13 | 10 |
| Maricopa | 3,720 | 3,731 | 3,707 | 3,854 | 3,896 | 3,965 | 3,956 | 3,881 | 3,667 | 3,583 | 3,934 |
| Mohave | 100 | 104 | 111 | 114 | 140 | 128 | 126 | 123 | 112 | 134 | 124 |
| Navajo | 143 | 136 | 131 | 134 | 128 | 130 | 146 | 125 | 123 | 92 | 119 |
| Pima | 841 | 842 | 845 | 860 | 788 | 803 | 794 | 887 | 851 | 819 | 849 |
| Pinal | 319 | 333 | 298 | 339 | 322 | 292 | 311 | 325 | 327 | 302 | 348 |
| Santa Cruz | 48 | 51 | 46 | 38 | 41 | 58 | 41 | 33 | 40 | 51 | 35 |
| Yavapai | 139 | 142 | 139 | 121 | 125 | 144 | 134 | 120 | 135 | 111 | 129 |
| Yuma | 185 | 190 | 163 | 179 | 193 | 210 | 163 | 184 | 185 | 182 | 195 |

Note: ^a Includes records with unknown county of residence.

**TABLE 5B-17
LOW-BIRTHWEIGHT BIRTH RATIOS^a IN THE URBAN AND RURAL COUNTIES OF ARIZONA,
2011-2021**

| County of residence | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ARIZONA | 69.8 | 69.4 | 68.8 | 70.0 | 71.7 | 73.3 | 74.8 | 75.8 | 73.6 | 73.6 | 78.9 |
| URBAN COUNTIES | 69.3 | 68.7 | 68.2 | 70.1 | 70.7 | 72.3 | 73.8 | 75.5 | 73.1 | 73.1 | 78.4 |
| Maricopa | 69.7 | 68.5 | 68.8 | 69.7 | 71.4 | 73.4 | 75.4 | 75.1 | 71.9 | 72.8 | 78.3 |
| Pima | 70.8 | 70.9 | 70.6 | 75.5 | 68.7 | 70.4 | 72.4 | 83.2 | 82.2 | 81.6 | 85.2 |
| Pinal^b | 69.2 | 71.5 | 65.3 | 72.6 | 72.3 | 65.3 | 70.9 | 72.3 | 72.7 | 65.0 | 71.9 |
| Yuma | 57.8 | 60.9 | 52.3 | 58.5 | 64.0 | 69.9 | 55.1 | 60.7 | 62.8 | 61.2 | 67.4 |
| RURAL COUNTIES | 72.8 | 73.3 | 72.9 | 69.8 | 77.7 | 79.6 | 81.3 | 77.7 | 77.1 | 76.7 | 81.9 |
| Apache | 62.6 | 64.5 | 55.7 | 64.8 | 55.6 | 77.3 | 77.2 | 86.8 | 73.7 | 96.8 | 80.1 |
| Cochise | 81.1 | 72.2 | 75.9 | 78.5 | 84.9 | 84.9 | 78.9 | 77.9 | 76.6 | 72.3 | 96.2 |
| Coconino | 81.3 | 82.9 | 72.0 | 72.3 | 90.8 | 79.3 | 90.3 | 74.7 | 73.9 | 70.7 | 81.5 |
| Gila | 79.0 | 57.5 | 83.1 | 67.8 | 113.8 | 82.6 | 109.1 | 112.7 | 103.6 | 89.2 | 90.7 |
| Graham | 67.7 | 76.2 | 78.3 | 71.3 | 72.4 | 86.0 | 77.4 | 91.6 | 85.2 | 90.5 | 78.5 |
| Greenlee | 50.4 | 52.6 | 56.0 | 48.6 | 51.9 | 53.7 | 102.6 | 107.7 | 96.8 | 90.9 | 145.3 |
| La Paz | 69.8 | 63.7 | 68.6 | 75.1 | 60.3 | 62.8 | 36.1 | 69.5 | 86.0 | 84.4 | 60.6 |
| Mohave | 51.0 | 59.9 | 63.7 | 62.2 | 75.9 | 71.0 | 72.7 | 68.7 | 64.9 | 79.0 | 68.8 |
| Navajo | 87.1 | 83.3 | 84.4 | 83.3 | 84.4 | 86.8 | 96.9 | 90.6 | 90.8 | 70.5 | 98.3 |
| Santa Cruz | 69.2 | 76.0 | 70.7 | 63.4 | 66.0 | 90.3 | 64.8 | 53.5 | 66.8 | 86.6 | 68.9 |
| Yavapai | 76.0 | 79.7 | 76.4 | 62.3 | 66.6 | 77.1 | 74.6 | 67.8 | 74.8 | 65.6 | 74.8 |

Notes: ^a Per 1,000 live births; ^b Pinal county became part of the Phoenix-Mesa-Scottsdale Metropolitan Area in 1993. This metropolitan area includes all of Maricopa and Pinal counties.

**TABLE 5B-18
LOW-BIRTHWEIGHT BIRTHS BY MOTHER'S RACE/ETHNICITY AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Mother's race/ethnicity | | | | | |
|-------------------|-------|-------------------------|--------------------|---------------------------|----------------------------------|---------------------------|--|
| | | White non Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | |
| ARIZONA | 6,140 | 2,450† | 2,460† | 650† | 310† | 280† | |
| Apache | 61 | 11 | 7 | 0 | 40 | * | |
| Cochise | 120 | 56 | 52 | 7 | * | * | |
| Coconino | 106 | 51 | 13 | 0 | 37 | * | |
| Gila | 41 | 20 | 11 | 0 | 10 | 0 | |
| Graham | 41 | 23 | 16 | 0 | * | 0 | |
| Greenlee | 17 | 6 | 11 | 0 | 0 | 0 | |
| La Paz | 10 | * | * | 0 | * | 0 | |
| Maricopa | 3,934 | 1,537 | 1,535 | 547 | 98 | 217 | |
| Mohave | 124 | 82 | 32 | * | * | * | |
| Navajo | 119 | 46 | 12 | * | 58 | * | |
| Pima | 849 | 318 | 421 | 56 | 28 | 26 | |
| Pinal | 348 | 155 | 129 | 34 | 19 | 11 | |
| Santa Cruz | 35 | * | 31 | 0 | 0 | * | |
| Yavapai | 129 | 92 | 30 | * | * | * | |
| Yuma | 195 | 35 | 149 | * | * | * | |
| Unknown | 11 | 10 | * | 0 | 0 | 0 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-19
LOW-BIRTHWEIGHT BIRTHS BY MOTHER'S AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Mother's age group | | | | | | | | |
|-------------------|-------|--------------------|-------|--------|--------|--------|--------|-------|-----|--|
| | | <15 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | |
| ARIZONA | 6,140 | 10† | 320† | 1,120† | 1,680† | 1,710† | 1,020† | 260† | 40† | |
| Apache | 61 | 0 | * | 9 | 16 | 16 | 14 | * | 0 | |
| Cochise | 120 | 0 | 10 | 26 | 36 | 32 | 13 | * | * | |
| Coconino | 106 | 0 | * | 20 | 28 | 28 | 22 | * | 0 | |
| Gila | 41 | 0 | * | 11 | 8 | 13 | * | * | 0 | |
| Graham | 41 | 0 | * | 13 | 13 | 10 | * | * | 0 | |
| Greenlee | 17 | 0 | 0 | 6 | 6 | * | 0 | 0 | 0 | |
| La Paz | 10 | 0 | * | * | * | * | 0 | 0 | 0 | |
| Maricopa | 3,934 | * | 196 | 661 | 1,045 | 1,116 | 716 | 173 | 22 | |
| Mohave | 124 | 0 | 6 | 28 | 38 | 41 | 7 | * | 0 | |
| Navajo | 119 | 0 | 7 | 20 | 37 | 30 | 17 | 8 | 0 | |
| Pima | 849 | * | 45 | 171 | 231 | 231 | 131 | 32 | 7 | |
| Pinal | 348 | 0 | 17 | 76 | 93 | 96 | 48 | 17 | * | |
| Santa Cruz | 35 | 0 | * | * | 16 | 6 | 6 | 0 | * | |
| Yavapai | 129 | 0 | * | 33 | 42 | 27 | 16 | 7 | * | |
| Yuma | 195 | 0 | 14 | 35 | 62 | 50 | 27 | 7 | 0 | |
| Unknown | 11 | 0 | 0 | * | * | * | 0 | * | * | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-20
TOTAL BIRTHS AND LOW-BIRTHWEIGHT BIRTHS BY THE PARTY PAYING FOR THE DELIVERY AND COUNTY OF RESIDENCE,
ARIZONA, 2021**

| TOTAL | ALL GROUPS | Weight at birth | ARIZONA | | | | | | | | | | | | | | Unknown | |
|-------------------|---------------------|-----------------|--------------------|---------|-----------------|-----------------|-----------------|----------------|----------------|----------|-----------------|-----------------|-------|-------|-----------------|------------------|-----------------|-----------------|
| | | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | | Yuma |
| | | <2,500 g | 61 | 120 | 106 | 41 | 41 | 17 | 10 | 3,934 | 124 | 119 | 849 | 348 | 35 | 129 | 195 | 11 |
| | | 2,500+ g | 701 | 1,124 | 1,194 | 410 | 481 | 100 | 155 | 46,273 | 1,672 | 1,091 | 9,113 | 4,490 | 473 | 1,594 | 2,700 | 86 |
| | | Unknown | 0 | * | 0 | * | 0 | 0 | 0 | 38 | 6 | 0 | 8 | * | 0 | * | 0 | 0 |
| | | Total | 762 | 1,247 | 1,300 | 452 | 522 | 117 | 165 | 50,245 | 1,802 | 1,210 | 9,970 | 4,840 | 508 | 1,725 | 2,895 | 97 |
| Payer for birth | AHCCCS ^a | Weight at birth | 52 | 65 | 66 | 26 | 24 | 6 | 9 | 1,914 | 82 | 93 | 477 | 168 | 27 | 76 | 94 | 9 |
| | | 2,500+ g | 541 | 558 | 551 | 174 | 195 | 29 | 117 | 19,911 | 1,053 | 763 | 4,350 | 1,968 | 298 | 777 | 1,612 | 61 |
| | | Unknown | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 10 | * | 0 | * | 0 | 0 | 0 | 0 |
| | | Total | 593 | 623 | 617 | 201 | 219 | 35 | 126 | 21,835 | 1,137 | 856 | 4,831 | 2,136 | 325 | 853 | 1,706 | 70 |
| IHS | | Weight at birth | * | 0 | * | 6 | * | 0 | 0 | 23 | 0 | * | 7 | 8 | 0 | 0 | * | 0 |
| | | 2,500+ g | 32 | 0 | 28 | 106 | 38 | * | 14 | 257 | 6 | 21 | 83 | 107 | 0 | * | 8 | * |
| | | Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 40 [†] | 0 | 30 [†] | 112 | 40 [†] | 0 [†] | 14 | 280 | 6 | 20 [†] | 90 | 115 | 0 | 0 [†] | 10 [†] | 0 [†] |
| Private insurance | | Weight at birth | * | 24 | 37 | 6 | 14 | 11 | 0 | 1,718 | 35 | 22 | 288 | 148 | 6 | 43 | 67 | * |
| | | 2,500+ g | 106 | 304 | 523 | 110 | 218 | 62 | 21 | 21,995 | 446 | 251 | 3,695 | 2,045 | 108 | 641 | 686 | 6 |
| | | Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 |
| | | Total | 110 [†] | 328 | 560 | 116 | 232 | 73 | 21 | 23,718 | 481 | 273 | 3,985 | 2,195 | 114 | 684 | 753 | 10 [†] |
| Self-pay | | Weight at birth | * | 7 | * | * | * | 0 | * | 138 | 6 | * | 37 | 15 | * | * | 28 | * |
| | | 2,500+ g | 18 | 76 | 76 | 16 | 27 | 8 | * | 2,370 | 137 | 43 | 431 | 254 | 60 | 139 | 378 | 13 |
| | | Unknown | 0 | * | 0 | 0 | 0 | 0 | 0 | 21 | * | 0 | * | 0 | 0 | * | 0 | 0 |
| | | Total | 20 [†] | 85 | 80 [†] | 20 [†] | 30 [†] | 8 | 0 [†] | 2,529 | 147 | 40 [†] | 469 | 269 | 60 [†] | 140 [†] | 406 | 10 [†] |
| Unknown | | Weight at birth | 0 | 24 | * | 0 | 0 | 0 | 0 | 141 | * | 0 | 40 | 9 | 0 | 7 | * | 0 |
| | | 2,500+ g | * | 186 | 16 | * | * | 0 | 0 | 1,740 | 30 | 13 | 554 | 116 | 7 | 35 | 16 | * |
| | | Unknown | 0 | * | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| | | Total | 0 [†] | 211 | 20 [†] | 0 [†] | 0 [†] | 0 | 0 | 1,883 | 30 [†] | 13 | 595 | 125 | 7 | 42 | 20 [†] | 0 [†] |
| | | Total | 2,960 [†] | | | | | | | | | | | | | | | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a The Arizona Health Care Containment System (AHCCCS) is the State's Medicaid Program.

**TABLE 5B-21
DISTRIBUTION OF LOW-BIRTHWEIGHT (LBW) BIRTHS AND LBW RISK BY
NUMBER OF PRENATAL VISITS AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | | | Prenatal visits | | | | | Total | |
|------------|---------------------------|----------------------------------|-----------------|------------|------------|-------------|------------|-------|---------|
| | | | No visits | 1-4 visits | 5-8 visits | 9-12 visits | 13+ visits | | Unknown |
| Apache | Births <2,500 grams (LBW) | Count | * | 10 | 17 | 13 | 6 | 11 | 60† |
| | | Share of LBW births ^a | 6.6% | 16.4% | 27.9% | 21.3% | 9.8% | 18.0% | 100.0% |
| | | LBW risk ^b | 14.3% | 15.4% | 9.9% | 4.1% | 4.0% | 31.4% | 8.0% |
| | Total births | Count | 28 | 65 | 171 | 314 | 149 | 35 | 762 |
| Cochise | Births <2,500 grams (LBW) | Count | 13 | 23 | 24 | 38 | 22 | 0 | 120 |
| | | Share of LBW births ^a | 10.8% | 19.2% | 20.0% | 31.7% | 18.3% | 0.0% | 100.0% |
| | | LBW risk ^b | 16.9% | 25.0% | 10.1% | 6.8% | 8.1% | 0.0% | 9.6% |
| | Total births | Count | 77 | 92 | 237 | 562 | 273 | 6 | 1,247 |
| Coconino | Births <2,500 grams (LBW) | Count | * | 12 | 36 | 29 | 20 | * | 110† |
| | | Share of LBW births ^a | 4.7% | 11.3% | 34.0% | 27.4% | 18.9% | 3.8% | 100.0% |
| | | LBW risk ^b | 19.2% | 16.0% | 13.5% | 4.9% | 7.3% | 5.9% | 8.2% |
| | Total births | Count | 26 | 75 | 267 | 590 | 274 | 68 | 1,300 |
| Gila | Births <2,500 grams (LBW) | Count | * | * | 13 | 14 | 7 | 0 | 40† |
| | | Share of LBW births ^a | 7.3% | 9.8% | 31.7% | 34.1% | 17.1% | 0.0% | 100.0% |
| | | LBW risk ^b | 17.6% | 7.7% | 14.8% | 7.9% | 6.5% | 0.0% | 9.1% |
| | Total births | Count | 17 | 52 | 88 | 178 | 107 | 10 | 452 |
| Graham | Births <2,500 grams (LBW) | Count | * | 6 | 15 | 11 | 6 | 0 | 40† |
| | | Share of LBW births ^a | 7.3% | 14.6% | 36.6% | 26.8% | 14.6% | 0.0% | 100.0% |
| | | LBW risk ^b | 23.1% | 11.5% | 14.3% | 5.0% | 4.6% | 0.0% | 7.9% |
| | Total births | Count | 13 | 52 | 105 | 221 | 130 | * | 522 |
| Greenlee | Births <2,500 grams (LBW) | Count | * | * | 6 | * | * | 0 | 20† |
| | | Share of LBW births ^a | 5.9% | 11.8% | 35.3% | 23.5% | 23.5% | 0.0% | 100.0% |
| | | LBW risk ^b | 25.0% | 28.6% | 18.8% | 8.2% | 16.0% | 0.0% | 14.5% |
| | Total births | Count | * | 7 | 32 | 49 | 25 | 0 | 120† |
| La Paz | Births <2,500 grams (LBW) | Count | * | * | * | * | * | 0 | 10† |
| | | Share of LBW births ^a | 10.0% | 20.0% | 10.0% | 30.0% | 30.0% | 0.0% | 100.0% |
| | | LBW risk ^b | 10.0% | 25.0% | 2.0% | 5.3% | 8.1% | 0.0% | 6.1% |
| | Total births | Count | 10 | 8 | 50 | 57 | 37 | * | 165 |
| Maricopa | Births <2,500 grams (LBW) | Count | 187 | 370 | 1,114 | 1,385 | 811 | 67 | 3,934 |
| | | Share of LBW births ^a | 4.8% | 9.4% | 28.3% | 35.2% | 20.6% | 1.7% | 100.0% |
| | | LBW risk ^b | 21.7% | 18.4% | 13.6% | 5.9% | 5.3% | 14.3% | 7.8% |
| | Total births | Count | 862 | 2,013 | 8,216 | 23,370 | 15,317 | 467 | 50,245 |
| Mohave | Births <2,500 grams (LBW) | Count | * | 11 | 38 | 45 | 21 | * | 120† |
| | | Share of LBW births ^a | 4.0% | 8.9% | 30.6% | 36.3% | 16.9% | 3.2% | 100.0% |
| | | LBW risk ^b | 18.5% | 14.3% | 9.3% | 6.1% | 4.0% | 14.8% | 6.9% |
| | Total births | Count | 27 | 77 | 408 | 741 | 522 | 27 | 1,802 |
| Navajo | Births <2,500 grams (LBW) | Count | 8 | 14 | 35 | 37 | 17 | 8 | 119 |
| | | Share of LBW births ^a | 6.7% | 11.8% | 29.4% | 31.1% | 14.3% | 6.7% | 100.0% |
| | | LBW risk ^b | 21.1% | 15.2% | 13.9% | 6.6% | 6.8% | 40.0% | 9.8% |
| | Total births | Count | 38 | 92 | 252 | 557 | 251 | 20 | 1,210 |
| Pima | Births <2,500 grams (LBW) | Count | 81 | 90 | 247 | 265 | 158 | 8 | 849 |
| | | Share of LBW births ^a | 9.5% | 10.6% | 29.1% | 31.2% | 18.6% | 0.9% | 100.0% |
| | | LBW risk ^b | 17.4% | 14.9% | 15.0% | 6.8% | 4.7% | 16.3% | 8.5% |
| | Total births | Count | 465 | 603 | 1,644 | 3,881 | 3,328 | 49 | 9,970 |
| Pinal | Births <2,500 grams (LBW) | Count | 20 | 26 | 87 | 110 | 93 | 12 | 348 |
| | | Share of LBW births ^a | 5.7% | 7.5% | 25.0% | 31.6% | 26.7% | 3.4% | 100.0% |
| | | LBW risk ^b | 24.4% | 13.3% | 13.0% | 5.9% | 4.7% | 16.4% | 7.2% |
| | Total births | Count | 82 | 195 | 669 | 1,849 | 1,972 | 73 | 4,840 |
| Santa Cruz | Births <2,500 grams (LBW) | Count | * | * | 10 | 10 | * | 0 | 40† |
| | | Share of LBW births ^a | 14.3% | 14.3% | 28.6% | 28.6% | 14.3% | 0.0% | 100.0% |
| | | LBW risk ^b | 11.1% | 7.0% | 8.2% | 5.2% | 6.6% | 0.0% | 6.9% |
| | Total births | Count | 45 | 71 | 122 | 193 | 76 | * | 508 |
| Yavapai | Births <2,500 grams (LBW) | Count | * | 15 | 33 | 53 | 26 | 0 | 130† |
| | | Share of LBW births ^a | 1.6% | 11.6% | 25.6% | 41.1% | 20.2% | 0.0% | 100.0% |
| | | LBW risk ^b | 11.8% | 22.1% | 14.0% | 7.1% | 4.0% | 0.0% | 7.5% |
| | Total births | Count | 17 | 68 | 236 | 746 | 647 | 11 | 1,725 |
| Yuma | Births <2,500 grams (LBW) | Count | 22 | 23 | 81 | 49 | 18 | * | 195 |
| | | Share of LBW births ^a | 11.3% | 11.8% | 41.5% | 25.1% | 9.2% | 1.0% | 100.0% |
| | | LBW risk ^b | 11.3% | 10.6% | 12.0% | 4.0% | 3.2% | 14.3% | 6.7% |
| | Total births | Count | 194 | 218 | 677 | 1,222 | 570 | 14 | 2,895 |
| Unknown | Births <2,500 grams (LBW) | Count | * | 0 | * | * | 0 | * | 10† |
| | | Share of LBW births ^a | 36.4% | 0.0% | 45.5% | 9.1% | 0.0% | 9.1% | 100.0% |
| | | LBW risk ^b | 11.1% | 0.0% | 29.4% | 5.3% | 0.0% | 16.7% | 11.3% |
| | Total births | Count | 36 | 14 | 17 | 19 | * | 6 | 100† |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Percent distribution of LBW births by number of prenatal visits; ^b Number of LBW births per 100 births in specified prenatal care group.

**TABLE 5B-22
AVERAGE NUMBER OF PRENATAL VISITS DURING PREGNANCY ACCORDING TO SELECTED CHARACTERISTICS OF
NEWBORNS AND MOTHERS GIVING BIRTH BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Marital status | | | Payer for births | | | | Mother's race/ethnicity | | | | Length of gestation | | | Weight at birth | | | Newborn intensive care | | | | | |
|-------------------|----------------|-----------|---------|---------------------|------|-------------------|----------|-------------------------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|-----------|-----------------|-----------|---------|------------------------|--------------|---------|------|------|------|
| | Married | Unmarried | Unknown | AHCCCS ^a | IHS | Private insurance | Self-pay | Unknown | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | <37 weeks | 37-41 weeks | 42+ weeks | Unknown | <2,500 grams | 2,500+ grams | Unknown | Yes | No | |
| ARIZONA | 11.1 | 11.5 | 10.7 | 10.0 | 10.6 | 8.8 | 11.7 | 10.4 | 11.3 | 11.5 | 10.9 | 10.9 | 9.6 | 11.6 | 9.6 | 11.3 | 11.9 | 8.6 | 9.7 | 11.2 | 10.4 | 10.1 | 11.2 |
| Apache | 9.8 | 10.4 | 9.6 | 8.3 | 9.7 | 8.6 | 10.8 | 8.4 | 9.5 | 10.6 | 9.8 | 4.0 | 9.6 | 7.4 | 7.6 | 10.0 | 6.0 | 0.0 | 7.7 | 9.9 | 0.0 | 8.8 | 9.9 |
| Cochise | 10.2 | 10.7 | 9.4 | 9.2 | 9.5 | 0.0 | 11.1 | 9.3 | 10.8 | 10.6 | 9.7 | 10.6 | 7.9 | 10.2 | 9.0 | 10.3 | 4.0 | 7.7 | 8.9 | 10.3 | 8.5 | 9.2 | 10.3 |
| Coconino | 10.2 | 10.8 | 9.5 | 12.0 | 9.3 | 9.5 | 11.1 | 10.6 | 10.4 | 10.9 | 9.9 | 10.4 | 9.4 | 11.0 | 9.3 | 10.3 | 12.9 | 8.0 | 9.5 | 10.3 | 0.0 | 10.1 | 10.2 |
| Gila | 10.1 | 11.2 | 9.5 | 8.3 | 10.7 | 7.4 | 11.8 | 8.2 | 11.0 | 10.9 | 11.1 | 7.3 | 8.2 | 12.0 | 9.9 | 10.2 | 0.0 | 0.0 | 9.2 | 10.2 | 0.0 | 12.0 | 10.0 |
| Graham | 10.0 | 10.5 | 9.5 | 2.0 | 9.4 | 6.9 | 11.1 | 9.4 | 13.0 | 10.6 | 10.2 | 6.0 | 7.3 | 5.0 | 8.4 | 10.2 | 0.0 | 0.0 | 8.6 | 10.1 | 0.0 | 9.5 | 10.1 |
| Greenlee | 9.8 | 9.8 | 9.9 | 10.0 | 9.1 | 0.0 | 10.1 | 10.4 | 0.0 | 9.9 | 9.9 | 15.0 | 8.6 | 9.5 | 8.5 | 10.1 | 0.0 | 0.0 | 9.6 | 9.8 | 0.0 | 8.1 | 10.1 |
| La Paz | 10.1 | 11.0 | 9.5 | 12.0 | 9.9 | 9.9 | 11.9 | 7.3 | 0.0 | 10.4 | 10.3 | 0.0 | 9.0 | 13.0 | 8.7 | 10.2 | 0.0 | 0.0 | 9.7 | 10.1 | 0.0 | 10.7 | 10.1 |
| Maricopa | 11.3 | 11.5 | 10.9 | 10.2 | 10.8 | 9.0 | 11.7 | 10.7 | 11.3 | 11.5 | 11.1 | 10.9 | 10.2 | 11.6 | 9.8 | 11.4 | 12.9 | 10.4 | 9.9 | 11.4 | 11.8 | 10.2 | 11.3 |
| Mohave | 10.7 | 11.3 | 10.2 | 9.7 | 10.3 | 10.2 | 11.6 | 10.6 | 10.2 | 10.9 | 10.2 | 9.8 | 9.8 | 10.4 | 9.3 | 10.8 | 14.0 | 6.7 | 9.5 | 10.8 | 10.8 | 10.3 | 10.7 |
| Navajo | 10.1 | 10.8 | 9.6 | 9.2 | 9.7 | 10.1 | 11.3 | 9.5 | 10.1 | 10.8 | 10.7 | 10.0 | 9.3 | 10.5 | 8.0 | 10.3 | 6.0 | 2.0 | 8.6 | 10.2 | 0.0 | 8.7 | 10.2 |
| Pima | 11.1 | 11.7 | 10.5 | 10.3 | 10.4 | 9.2 | 12.1 | 9.1 | 11.6 | 11.7 | 10.8 | 10.3 | 9.2 | 11.7 | 9.0 | 11.3 | 8.6 | 6.0 | 9.4 | 11.3 | 8.0 | 10.1 | 11.2 |
| Pinal | 12.1 | 12.4 | 11.7 | 13.1 | 11.9 | 9.3 | 12.5 | 11.0 | 12.3 | 12.4 | 11.9 | 12.0 | 10.5 | 11.3 | 10.7 | 12.2 | 10.4 | 13.0 | 10.6 | 12.2 | 1.0 | 11.1 | 12.2 |
| Santa Cruz | 9.0 | 9.5 | 8.6 | 10.5 | 9.1 | 0.0 | 9.8 | 5.9 | 13.9 | 10.8 | 8.8 | 10.7 | 12.0 | 8.4 | 9.6 | 9.0 | 0.0 | 0.0 | 9.6 | 9.0 | 0.0 | 8.9 | 9.0 |
| Yavapai | 11.2 | 11.7 | 10.7 | 10.6 | 10.8 | 8.0 | 11.9 | 11.1 | 10.9 | 11.5 | 10.7 | 11.1 | 9.8 | 10.7 | 9.7 | 11.4 | 10.7 | 4.0 | 9.4 | 11.4 | 1.0 | 10.6 | 11.3 |
| Yuma | 9.8 | 10.2 | 9.5 | 8.2 | 9.6 | 7.7 | 10.6 | 9.3 | 10.6 | 10.1 | 9.8 | 8.8 | 8.0 | 10.4 | 8.1 | 10.0 | 16.0 | 0.0 | 8.1 | 10.0 | 0.0 | 8.4 | 10.0 |
| Unknown | 7.8 | 6.0 | 8.0 | 7.8 | 7.2 | 4.0 | 9.6 | 10.1 | 2.0 | 6.9 | 9.5 | 9.0 | 8.5 | 0.0 | 8.8 | 7.6 | 0.0 | 0.0 | 6.2 | 8.0 | 0.0 | 4.6 | 8.2 |

Notes: ^a The arithmetic mean value for the number of prenatal visits in specified group; Excluded are cases with no prenatal care and/or unspecified number of prenatal visits; ^b The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

**TABLE 5B-23
BIRTHS BY GESTATIONAL AGE AND BIRTHWEIGHT BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | | | | | | Gestational age | | | | | |
|-------------------|-----------------|--------------------|------------------|--------------------|-------|--------------|-----------------|----------|--------|------------------|--------------|----------|
| | Gestational age | | | Preterm, <37 weeks | | | Gestational age | | | 37 weeks or more | | |
| | Total | Preterm, <37 weeks | 37 weeks or more | Un-known | Total | <2,500 grams | 2,500+ grams | Un-known | Total | <2,500 grams | 2,500+ grams | Un-known |
| ARIZONA | 77,857 | 7,779 | 69,996 | 80† | 7,779 | 4,313 | 3,459 | 10† | 69,996 | 1,810† | 68,142 | 40† |
| Apache | 762 | 83 | 678 | * | 83 | 39 | 44 | 0 | 678 | 22 | 656 | 0 |
| Cochise | 1,247 | 129 | 1,114 | * | 129 | 73 | 56 | 0 | 1,114 | 46 | 1,066 | * |
| Coconino | 1,300 | 132 | 1,165 | * | 132 | 69 | 63 | 0 | 1,165 | 37 | 1,128 | 0 |
| Gila | 452 | 66 | 385 | * | 66 | 32 | 34 | 0 | 385 | 9 | 376 | 0 |
| Graham | 522 | 50 | 471 | * | 50 | 25 | 25 | 0 | 471 | 16 | 455 | 0 |
| Greenlee | 117 | 23 | 94 | 0 | 23 | 12 | 11 | 0 | 94 | * | 89 | 0 |
| La Paz | 165 | 17 | 147 | * | 17 | 6 | 11 | 0 | 147 | * | 143 | 0 |
| Maricopa | 50,245 | 5,063 | 45,146 | 36 | 5,063 | 2,805 | 2,256 | * | 45,146 | 1,123 | 43,995 | 28 |
| Mohave | 1,802 | 159 | 1,636 | 7 | 159 | 87 | 72 | 0 | 1,636 | 37 | 1,595 | * |
| Navajo | 1,210 | 139 | 1,067 | * | 139 | 74 | 65 | 0 | 1,067 | 43 | 1,024 | 0 |
| Pima | 9,970 | 966 | 8,998 | 6 | 966 | 574 | 387 | * | 8,998 | 274 | 8,721 | * |
| Pinal | 4,840 | 462 | 4,369 | 9 | 462 | 257 | 205 | 0 | 4,369 | 89 | 4,278 | * |
| Santa Cruz | 508 | 40 | 468 | 0 | 40 | 25 | 15 | 0 | 468 | 10 | 458 | 0 |
| Yavapai | 1,725 | 152 | 1,570 | * | 152 | 75 | 77 | 0 | 1,570 | 53 | 1,515 | * |
| Yuma | 2,895 | 277 | 2,614 | * | 277 | 152 | 125 | 0 | 2,614 | 42 | 2,572 | 0 |
| Unknown | 97 | 21 | 74 | * | 21 | 8 | 13 | 0 | 74 | * | 71 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-24
NEWBORNS ADMITTED TO NEWBORN INTENSIVE CARE UNITS BY GESTATIONAL AGE, BIRTHWEIGHT, AND MOTHER'S
COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Gestational age | | | Weight at birth | | |
|-------------------|-------|-----------------------|-------------|---------|-----------------|--------------|---------|
| | | Preterm, <37 weeks | Not Preterm | Unknown | <2,500 grams | 2,500+ grams | Unknown |
| ARIZONA | 6,189 | 3,510† | 2,660† | 10† | 2,880† | 3,300† | 10† |
| Apache | 63 | 39 | 24 | 0 | 30 | 33 | 0 |
| Cochise | 133 | 81 | 52 | 0 | 68 | 65 | 0 |
| Coconino | 100 | 59 | 41 | 0 | 43 | 57 | 0 |
| Gila | 26 | 16 | 9 | * | 12 | 13 | * |
| Graham | 37 | 18 | 19 | 0 | 16 | 21 | 0 |
| Greenlee | 20† | 12 | * | 0 | 11 | * | 0 |
| La Paz | 0† | * | * | 0 | * | * | 0 |
| Maricopa | 3,534 | 2,069 | 1,457 | 8 | 1,701 | 1,830 | * |
| Mohave | 91 | 61 | 30 | 0 | 50 | 41 | 0 |
| Navajo | 103 | 62 | 40 | * | 47 | 56 | 0 |
| Pima | 1,217 | 568 | 649 | 0 | 503 | 710 | * |
| Pinal | 378 | 222 | 154 | * | 178 | 200 | 0 |
| Santa Cruz | 42 | 27 | 15 | 0 | 21 | 21 | 0 |
| Yavapai | 146 | 78 | 67 | * | 54 | 92 | 0 |
| Yuma | 275 | 187 | 87 | * | 142 | 133 | 0 |
| Unknown | 30† | 12 | 13 | 0 | * | 21 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-25
MEDICAL AND OTHER RISK FACTORS BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|-------------------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|---------|
| Total | 22,606 | 361 | 407 | 390 | 149 | 148 | 41 | 27 | 13,311 | 288 | 471 | 4,178 | 1,359 | 144 | 334 | 970 | 28 |
| Births with medical risk factors | | | | | | | | | | | | | | | | | |
| Pre-existing diabetes | 980† | 41 | 15 | 22 | * | * | * | * | 580 | 25 | 38 | 111 | 62 | * | 20 | 51 | 0 |
| Gestational diabetes | 7,710† | 142 | 112 | 155 | 47 | 39 | 12 | 7 | 4,818 | 89 | 159 | 1,142 | 513 | 50 | 104 | 318 | * |
| Pre-existing hypertension | 1,440† | 40 | 26 | 26 | 23 | 9 | * | * | 853 | 29 | 17 | 236 | 101 | 8 | 16 | 53 | * |
| Gestational hypertension | 7,050† | 110 | 108 | 137 | 55 | 46 | 16 | 9 | 4,309 | 95 | 175 | 1,127 | 441 | 44 | 103 | 273 | * |
| Eclampsia | 130† | 0 | * | * | * | 0 | 0 | 0 | 86 | * | * | 23 | * | 0 | * | * | * |
| Previous preterm birth | 3,550† | 51 | 88 | 44 | 18 | 18 | * | * | 1,836 | 49 | 89 | 738 | 201 | 24 | 87 | 288 | 9 |
| Other previous poor pregnancy outcome | 4,630† | 56 | 143 | 25 | 9 | 34 | 12 | * | 2,199 | 27 | 35 | 1,812 | 120 | 37 | 24 | 86 | 6 |
| Gonorrhea | 270† | 7 | * | * | * | * | 0 | * | 154 | * | 8 | 37 | 27 | 0 | * | 7 | * |
| Syphilis | 300† | * | * | 13 | 14 | * | * | * | 160 | * | 22 | 31 | 17 | * | * | 16 | * |
| Chlamydia | 1,970† | 49 | 34 | 50 | 17 | 21 | * | * | 1,123 | 25 | 58 | 277 | 135 | 14 | 23 | 132 | 7 |
| Hepatitis B | 110† | 0 | * | 0 | * | 0 | 0 | 0 | 77 | * | 0 | 17 | * | 0 | * | * | * |
| Hepatitis C | 200† | * | * | * | * | * | 0 | 0 | 100 | * | * | 54 | 13 | 0 | 7 | 7 | * |
| Substance use | | | | | | | | | | | | | | | | | |
| Non-smoker | 74,635 | 584 | 1,165 | 1,234 | 404 | 487 | 93 | 147 | 48,924 | 1,439 | 1,118 | 9,497 | 4,626 | 503 | 1,576 | 2,800 | 38 |
| Light smoker (less than 10 cigarettes per day) | 1,470† | 13 | 46 | 19 | 26 | 17 | 9 | 8 | 726 | 98 | 40 | 248 | 103 | * | 73 | 26 | 13 |
| Heavy smoker (10 or more cigarettes per day) | 1,020† | 15 | 29 | 7 | 19 | 16 | 12 | 7 | 437 | 81 | 26 | 171 | 95 | * | 68 | 18 | 14 |
| Unknown | 740† | 150 | 7 | 40 | * | * | * | * | 158 | 184 | 26 | 54 | 16 | 0 | 8 | 51 | 32 |
| Total births | 77,857 | 762 | 1,247 | 1,300 | 452 | 522 | 117 | 165 | 50,245 | 1,802 | 1,210 | 9,970 | 4,840 | 508 | 1,725 | 2,895 | 97 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-26
OBSTETRIC PROCEDURES AND METHOD OF DELIVERY BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|---------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|---------|
| Total | 39,990 | 437 | 649 | 644 | 271 | 328 | 74 | 32 | 24,853 | 790 | 715 | 5,948 | 2,560 | 296 | 774 | 1,597 | 22 |
| Obstetric procedures | | | | | | | | | | | | | | | | | |
| Induction of labor | 23,935 | 270 | 403 | 417 | 175 | 220 | 46 | 29 | 14,988 | 520 | 439 | 3,185 | 1,648 | 152 | 500 | 933 | 10 |
| Augmentation of labor | 22,715 | 210 | 301 | 299 | 139 | 113 | 26 | 9 | 14,943 | 283 | 300 | 2,988 | 1,405 | 165 | 325 | 1,197 | 12 |
| Cervical cerclage | 170† | * | 8 | * | * | * | 0 | 0 | 95 | 0 | 0 | 22 | 17 | * | * | 9 | 0 |
| Tocolysis | 360† | 9 | 8 | * | * | * | * | 0 | 204 | 6 | 47 | 52 | 12 | * | 6 | * | 0 |
| External cephalic version successful | 100† | * | * | 6 | * | 0 | 0 | 0 | 50 | * | 12 | 15 | * | * | * | * | 0 |
| External cephalic version failed | 130† | * | 0 | 8 | * | * | 0 | 0 | 59 | * | 6 | 31 | * | * | 0 | 6 | 0 |
| Method of delivery | | | | | | | | | | | | | | | | | |
| Vaginal | 53,399 | 590 | 897 | 933 | 323 | 378 | 81 | 119 | 34,490 | 1,198 | 883 | 6,623 | 3,328 | 307 | 1,157 | 2,025 | 67 |
| C-Section | 22,319 | 166 | 324 | 317 | 104 | 125 | 32 | 44 | 14,512 | 487 | 297 | 2,963 | 1,438 | 176 | 482 | 826 | 26 |
| Forceps | 300† | * | * | * | * | 0 | 0 | 0 | 166 | * | * | 92 | 10 | * | 8 | 0 | 0 |
| Vacuum | 1,840† | * | 22 | 46 | 23 | 19 | * | * | 1,076 | 112 | 29 | 291 | 64 | 20 | 77 | 43 | * |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-27
COMPLICATIONS OF LABOR AND/OR DELIVERY BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|---------------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|---------|
| Total | 24,254 | 238 | 416 | 380 | 185 | 108 | 28 | 17 | 15,522 | 313 | 368 | 3,739 | 1,348 | 136 | 416 | 1,011 | 29 |
| Complications of labor and/or delivery | | | | | | | | | | | | | | | | | |
| Premature rupture of the membranes | 3,990† | 58 | 74 | 77 | 33 | 13 | 7 | * | 2,281 | 63 | 43 | 871 | 243 | 33 | 87 | 102 | 6 |
| Precipitous labor | 5,160† | 75 | 138 | 73 | 48 | 12 | * | * | 3,125 | 51 | 85 | 1,023 | 155 | 29 | 67 | 264 | 10 |
| Prolonged labor | 2,110† | 22 | 61 | 44 | 10 | 6 | * | 0 | 1,253 | 30 | 66 | 402 | 125 | 10 | 36 | 44 | * |
| Breech presentation | 3,150† | 29 | 66 | 56 | 11 | 26 | * | * | 1,935 | 69 | 63 | 464 | 202 | 19 | 75 | 123 | * |
| Chorioamnionitis | 1,640† | 10 | 18 | 18 | 10 | * | * | 0 | 974 | 11 | 17 | 313 | 68 | 16 | 9 | 164 | * |
| Meconium staining of the amniotic fluid | 5,532 | 40 | 55 | 78 | 47 | 45 | 8 | 6 | 3,653 | 43 | 91 | 623 | 429 | 24 | 66 | 315 | 9 |
| Fetal intolerance | 7,340† | 37 | 89 | 102 | 78 | 20 | 8 | * | 5,375 | 72 | 46 | 772 | 384 | 24 | 148 | 172 | * |
| Maternal transfusion | 530† | 15 | 7 | 14 | 13 | * | * | 0 | 276 | 9 | 22 | 78 | 28 | * | 13 | 43 | * |
| Third or fourth degree perineal laceration | 380† | * | * | 11 | * | * | 0 | 0 | 231 | * | 9 | 61 | 19 | 6 | 7 | 19 | 0 |
| Ruptured uterus | 40† | 0 | * | * | 0 | 0 | 0 | 0 | 33 | 0 | * | * | * | 0 | 0 | 0 | 0 |
| Unplanned Hysterectomy | 40† | * | | * | 0 | 0 | 0 | 0 | 13 | * | * | 7 | * | * | * | * | 0 |
| Admission to intensive care unit | 180† | * | 0 | 8 | * | 0 | * | 0 | 91 | * | 7 | 25 | 17 | 0 | 9 | 9 | 0 |
| Unplanned surgery following delivery | 230† | 6 | 6 | 8 | * | * | 0 | * | 105 | 7 | 15 | 35 | 11 | * | 9 | 17 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-28
ABNORMAL CONDITIONS OF THE NEWBORN BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|--------------------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|-------|------------|---------|------|---------|
| Total | 4,000† | 61 | 90 | 70 | 40 | 31 | 8 | * | 2,045 | 87 | 103 | 764 | 291 | 58 | 148 | 187 | 12 |
| Abnormal conditions of the newborn | | | | | | | | | | | | | | | | | |
| Assisted ventilation immediately after delivery | 3,140† | 40 | 74 | 62 | 36 | 25 | 6 | * | 1,578 | 73 | 79 | 593 | 243 | 51 | 132 | 137 | * |
| Assisted ventilation for more than 6 hours | 2,080† | 31 | 53 | 19 | 16 | 19 | * | 0 | 1,053 | 33 | 55 | 442 | 151 | 28 | 78 | 92 | * |
| Surfactant replacement therapy | 410† | * | 17 | * | * | * | * | 0 | 185 | 6 | 10 | 95 | 53 | * | * | 22 | 0 |
| Suspected neonatal sepsis | 1,680† | 22 | 49 | 10 | 10 | * | * | * | 896 | 32 | 33 | 336 | 129 | 13 | 37 | 88 | 11 |
| Seizure or serious neurologic dysfunction | 30† | 0 | 0 | * | 0 | 0 | 0 | 0 | 24 | 0 | * | * | * | 0 | * | 0 | 0 |
| Significant birth injury | 90† | * | * | * | * | * | 0 | * | 52 | * | * | 15 | * | 0 | * | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-29
BIRTHS WITH CONGENITAL ANOMALIES MENTIONED ON BIRTH CERTIFICATE BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|--------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|-------|------------|---------|------|---------|
| Total | 360† | * | 6 | 8 | * | 0 | * | * | 172 | 26 | 7 | 77 | 21 | * | 7 | 11 | * |
| Congenital anomalies of the newborn | | | | | | | | | | | | | | | | | |
| Anencephalus | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Spina bifida / Meningocele | 20† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | * | 0 | * | * | 0 | * | 0 | 0 |
| Cyanotic congenital heart disease | 70† | * | * | * | * | 0 | 0 | 0 | 42 | * | * | 12 | * | 0 | 0 | * | 0 |
| Congenital diaphragmatic hernia | 10† | 0 | * | 0 | * | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | * | 0 |
| Omphalocele / Gastroschisis | 30† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | * | 0 | 7 | * | * | 0 | * | 0 |
| Limb reduction defect | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | * | * | 0 | 0 | 0 | * | 0 |
| Cleft lip / palate | 60† | * | 0 | 0 | * | 0 | 0 | 0 | 29 | * | * | 13 | * | * | * | * | 0 |
| Down syndrome | 60† | * | 0 | * | 0 | 0 | * | 0 | 33 | 0 | 0 | 13 | * | * | * | * | 0 |
| Suspected chromosomal disorder | 50† | 0 | * | 0 | * | 0 | 0 | 0 | 28 | 0 | 0 | 10 | * | 0 | * | * | 0 |
| Hypospadias | 30† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | * | 0 | 9 | * | 0 | * | 0 | 0 |
| Unknown congenital anomalies | 60† | 0 | * | * | * | 0 | 0 | * | 13 | 17 | * | 9 | * | 0 | * | 0 | * |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5B-30
RATES OF OCCURRENCE^a FOR SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH
BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| Characteristics | Total | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|--------------------------------------------------------------------------------------|-------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|-------|------------|---------|------|
| Births with complications of labor and/or delivery | 31.2 | 31.2 | 33.4 | 29.2 | 40.9 | 20.7 | 23.9 | 10.3 | 30.9 | 17.4 | 30.4 | 37.5 | 27.9 | 26.8 | 24.1 | 34.9 |
| Births with medical risk factors | 29.0 | 47.4 | 32.6 | 30.0 | 33.0 | 28.4 | 35.0 | 16.4 | 26.5 | 16.0 | 38.9 | 41.9 | 28.1 | 28.3 | 19.4 | 33.5 |
| Preterm births (gestational age <37 weeks) | 10.0 | 10.9 | 10.3 | 10.2 | 14.6 | 9.6 | 19.7 | 10.3 | 10.1 | 8.8 | 11.5 | 9.7 | 9.5 | 7.9 | 8.8 | 9.6 |
| Births with abnormal conditions of the newborn | 5.1 | 8.0 | 7.2 | 5.4 | 8.8 | 5.9 | 6.8 | 1.8 | 4.1 | 4.8 | 8.5 | 7.7 | 6.0 | 11.4 | 8.6 | 6.5 |
| Low birthweight births (<2,500 grams) | 7.9 | 8.0 | 9.6 | 8.2 | 9.1 | 7.9 | 14.5 | 6.1 | 7.8 | 6.9 | 9.8 | 8.5 | 7.2 | 6.9 | 7.5 | 6.7 |
| Very low birthweight births (<1,500 grams) | 1.3 | 1.2 | 1.3 | 0.7 | 1.5 | 1.0 | 1.7 | 1.2 | 1.3 | 1.2 | 1.5 | 1.3 | 1.2 | 1.0 | 0.9 | 1.3 |
| Births with congenital anomalies of the newborn | 0.5 | 0.7 | 0.5 | 0.6 | 0.9 | 0.0 | 0.9 | 2.4 | 0.3 | 1.4 | 0.6 | 0.8 | 0.4 | 0.8 | 0.4 | 0.4 |
| Tobacco use during pregnancy | 3.2 | 3.7 | 6.0 | 2.0 | 10.0 | 6.3 | 17.9 | 9.1 | 2.3 | 9.9 | 5.5 | 4.2 | 4.1 | 1.0 | 8.2 | 1.5 |
| C-section | 28.7 | 21.8 | 26.0 | 24.4 | 23.0 | 23.9 | 27.4 | 26.7 | 28.9 | 27.0 | 24.5 | 29.7 | 29.7 | 34.6 | 27.9 | 28.5 |
| Infants admitted to newborn intensive care units | 7.9 | 8.3 | 10.7 | 7.7 | 5.8 | 7.1 | 13.7 | 1.8 | 7.0 | 5.0 | 8.5 | 12.2 | 7.8 | 8.3 | 8.5 | 9.5 |
| Women giving birth who received prenatal care in the 1st trimester | 71.7 | 63.6 | 58.4 | 67.0 | 62.8 | 68.8 | 69.2 | 48.5 | 74.0 | 69.4 | 69.0 | 68.8 | 73.8 | 54.1 | 75.2 | 57.6 |
| Public sources of payment for birth^b | 47.4 | 82.5 | 50.0 | 49.7 | 69.2 | 49.6 | 30.8 | 84.8 | 44.0 | 63.4 | 72.7 | 49.4 | 46.5 | 64.0 | 49.6 | 59.3 |
| Births to unmarried mothers | 45.2 | 72.6 | 42.8 | 46.6 | 64.2 | 47.1 | 41.9 | 63.0 | 43.2 | 55.5 | 58.8 | 46.6 | 47.4 | 57.3 | 44.5 | 46.3 |

Notes: ^a per 100 births; ^b Includes both Arizona Health Care Cost Containment System (AHCCCS) and Indian Health Services (IHS).

5C

FETAL AND PERINATAL DEATHS

**TABLE 5C-1
PERINATAL DEATHS AND PERINATAL MORTALITY RATES^a BY COUNTY OF MOTHER'S RESIDENCE, ARIZONA, 2021**

| | Live births + reportable spontaneous fetal losses of 28 or more weeks of gestation | Number of infant deaths of less than 7 days | Number of reportable spontaneous fetal losses of 28 or more weeks of gestation | Total Perinatal Deaths | |
|-------------------|------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------|------------------------|------|
| | | | | Count | Rate |
| ARIZONA | 78,099 | 238 | 242 | 480 | 6.1 |
| Apache | 763 | * | * | * | ** |
| Cochise | 1,249 | * | * | * | ** |
| Coconino | 1,308 | * | 8 | 10 | 7.6 |
| Gila | 455 | * | * | * | ** |
| Graham | 525 | * | * | * | ** |
| Greenlee | 117 | 0 | 0 | 0 | 0.0 |
| La Paz | 167 | * | * | * | ** |
| Maricopa | 50,400 | 154 | 155 | 309 | 6.1 |
| Mohave | 1,810 | 6 | 8 | 14 | 7.7 |
| Navajo | 1,211 | * | * | * | ** |
| Pima | 10,006 | 35 | 36 | 71 | 7.1 |
| Pinal | 4,850 | 11 | 10 | 21 | 4.3 |
| Santa Cruz | 508 | * | 0 | * | ** |
| Yavapai | 1,735 | * | 10 | 13 | 7.5 |
| Yuma | 2,898 | 11 | * | 14 | 4.8 |
| Unknown | 97 | * | 0 | * | NA |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a The number of perinatal deaths per 1,000 live births + fetal losses at 28 or more weeks of gestation.

**TABLE 5C-2
REPORTABLE SPONTANEOUS FETAL LOSSES^a BY GESTATIONAL AGE, WEIGHT IN GRAMS, AND COUNTY OF RESIDENCE,
ARIZONA, 2021**

| | Total | Gestational age ^b | | | Weight in grams | | | | | |
|-------------------|-------|------------------------------|-----------|---------|-----------------|---------|-----------|-------------|--------|---------|
| | | 20-27 weeks | 28+ weeks | Unknown | <350 grams | 350-499 | 500-2,499 | 2,500-3,999 | 4,000+ | Unknown |
| ARIZONA | 527 | 283 | 242 | 2 | 113 | 90 | 240 | 69 | 11 | 4 |
| Apache | 0† | * | * | 0 | 0 | 0 | * | 0 | 0 | 0 |
| Cochise | 10† | 6 | * | 0 | * | * | * | 0 | 0 | 0 |
| Coconino | 10† | * | 8 | 0 | * | * | * | * | 0 | 0 |
| Gila | 10† | * | * | 0 | * | 0 | * | * | 0 | 0 |
| Graham | 0† | 0 | * | 0 | 0 | 0 | * | 0 | 0 | 0 |
| Greenlee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| La Paz | 0† | * | * | 0 | 0 | 0 | * | * | 0 | 0 |
| Maricopa | 347 | 191 | 155 | * | 78 | 69 | 149 | 43 | 6 | * |
| Mohave | 10† | * | 8 | 0 | * | * | * | * | * | 0 |
| Navajo | 10† | 7 | * | 0 | * | * | * | * | 0 | * |
| Pima | 70† | 31 | 36 | * | 8 | 6 | 40 | 11 | * | * |
| Pinal | 30† | 20 | 10 | 0 | 9 | * | 13 | * | * | 0 |
| Santa Cruz | 10† | 6 | 0 | 0 | * | * | * | 0 | 0 | 0 |
| Yavapai | 20† | * | 10 | 0 | * | 0 | 10 | * | 0 | 0 |
| Yuma | 10† | 6 | * | 0 | * | 0 | 6 | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; ^b For statistical purposes, fetal deaths are classified according to gestational age; a death that occurs at 20 or more weeks of gestation constitutes a fetal death, and after 28 weeks it is considered a late fetal death.

**TABLE 5C-3
REPORTABLE SPONTANEOUS FETAL DEATHS^a AND FETAL DEATH RATES^b BY COUNTY OF MOTHER'S RESIDENCE
AND YEAR, ARIZONA, 2011-2021**

| | Number of fetal deaths | | | | | | | | | | Fetal death rates | | | | | | | | | | | |
|-------------------|------------------------|------|------|------|------|------|------|------|------|------|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
| ARIZONA | 470 | 470 | 545 | 519 | 524 | 486 | 481 | 472 | 489 | 477 | 527 | 5.5 | 5.4 | 6.4 | 6.0 | 6.1 | 5.7 | 5.9 | 5.8 | 6.1 | 6.2 | 6.7 |
| Apache | 6 | * | 8 | 10 | * | * | 10 | * | * | * | * | 5.6 | ** | 8.3 | 9.7 | ** | ** | 10.5 | ** | ** | ** | ** |
| Cochise | 15 | 9 | 6 | 10 | 12 | 10 | * | 10 | 11 | 7 | 8 | 9.0 | 5.3 | 3.7 | 6.1 | 7.6 | 6.5 | ** | 7.4 | 8.1 | 5.5 | 0.0 |
| Coconino | 15 | 10 | 6 | * | 9 | 13 | 9 | 7 | 15 | * | 10 | 8.4 | 5.9 | 3.7 | ** | 5.7 | 8.0 | 5.9 | 4.6 | 10.9 | ** | 0.0 |
| Gila | 6 | 6 | 7 | 7 | * | 8 | * | * | * | 8 | 6 | 9.6 | 9.8 | 11.7 | 10.8 | ** | 13.3 | ** | ** | ** | 16.7 | 0.0 |
| Graham | * | * | * | * | * | * | * | * | * | 7 | * | ** | ** | ** | ** | ** | ** | ** | ** | ** | 14.9 | ** |
| Greenlee | 0 | 0 | * | 0 | 0 | * | * | 0 | * | 0 | 0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | ** | 0.0 | ** | 0.0 | 0.0 |
| La Paz | 0 | * | * | * | 0 | * | * | * | * | * | * | 0.0 | ** | ** | ** | 0.0 | ** | ** | ** | ** | ** | ** |
| Maricopa | 299 | 285 | 363 | 315 | 330 | 314 | 303 | 300 | 308 | 300 | 347 | 5.6 | 5.2 | 6.7 | 5.7 | 6.0 | 5.8 | 5.7 | 5.8 | 6.0 | 6.1 | 0.0 |
| Mohave | 10 | 12 | 11 | 20 | 11 | 17 | 15 | 11 | 10 | 10 | 12 | 5.1 | 6.9 | 6.3 | 10.9 | 5.9 | 9.3 | 8.6 | 6.1 | 5.8 | 5.9 | 0.0 |
| Navajo | 8 | 12 | 10 | 14 | 7 | 13 | 14 | 14 | 8 | 14 | 8 | 4.9 | 7.3 | 6.4 | 8.7 | 4.6 | 8.6 | 9.2 | 10.1 | 5.9 | 10.6 | 0.0 |
| Pima | 56 | 64 | 73 | 76 | 72 | 55 | 71 | 52 | 63 | 65 | 68 | 4.7 | 5.4 | 6.1 | 6.4 | 6.2 | 4.8 | 6.4 | 4.9 | 6.0 | 6.4 | 0.0 |
| Pinal | 22 | 33 | 21 | 28 | 28 | 19 | 32 | 35 | 27 | 31 | 30 | 4.8 | 7.1 | 4.6 | 6.2 | 6.2 | 4.2 | 7.2 | 7.7 | 6.0 | 6.6 | 0.0 |
| Santa Cruz | * | * | * | * | * | * | * | * | * | * | 6 | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | 0.0 |
| Yavapai | 7 | * | 16 | 11 | 13 | 12 | 7 | 14 | 10 | 9 | 15 | 3.8 | ** | 8.7 | 5.6 | 6.9 | 6.4 | 3.9 | 7.9 | 5.5 | 5.3 | 0.0 |
| Yuma | 21 | 26 | 14 | 14 | 27 | 10 | 7 | 12 | 18 | 16 | 9 | 6.5 | 8.3 | 4.5 | 4.6 | 8.9 | 3.3 | 2.4 | 3.9 | 6.1 | 5.4 | 0.0 |
| Unknown | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; ^b Per 1,000 live births plus reportable spontaneous fetal deaths.

**TABLE 5C-4
REPORTABLE SPONTANEOUS FETAL LOSSES^a BY COUNTY OF RESIDENCE OF MOTHER, RACE, AND SEX OF CHILD
ARIZONA, 2021**

| | All groups | | | | White non-Hispanic | | | | Hispanic or Latino | | | | Black or African American | | | | American Indian or Alaska Native | | | | Asian or Pacific Islander | | | |
|----------------------------|------------|------|--------|----------|--------------------|------|--------|----------|--------------------|------|--------|----------|---------------------------|------|--------|----------|----------------------------------|------|--------|----------|---------------------------|------|--------|----------|
| | Total | Male | Female | Un-known | Total | Male | Female | Un-known | Total | Male | Female | Un-known | Total | Male | Female | Un-known | Total | Male | Female | Un-known | Total | Male | Female | Un-known |
| ARIZONA^b | 527 | 223 | 254 | 50 | 214 | 99 | 96 | 19 | 202 | 81 | 103 | 18 | 64 | 26 | 30 | 8 | 26 | 8 | 18 | 0 | 21 | 9 | 7 | 5 |
| Apache | 0† | * | * | 0 | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0† | * | 0 | 0 |
| Cochise | 10† | 6 | * | 0 | 10† | * | * | 0 | 0† | * | * | 0 | 0† | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coconino | 10† | * | 6 | * | 0† | 0 | * | 0 | 0† | * | 0 | 0 | 0 | 0 | 0 | 0 | 10† | * | * | 0 | 0† | 0 | * | * |
| Gila | 10† | * | * | 0 | 0† | * | * | 0 | 0† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Graham | 0† | * | * | 0 | 0† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Greenlee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| La Paz | 0† | * | * | 0 | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0† | * | * | 0 | 0 | 0 | 0 | 0 |
| Maricopa | 347 | 156 | 152 | 39 | 136 | 66 | 55 | 15 | 132 | 56 | 61 | 15 | 60 | 25 | 28 | 7 | 10† | * | * | 0 | 10† | 6 | * | * |
| Mohave | 10† | * | 7 | 0 | 10† | * | * | 0 | 0† | * | * | 0 | 0 | 0 | 0 | 0 | 0† | 0 | * | 0 | 0† | * | 0 | 0 |
| Navajo | 10† | * | 6 | 0 | 10† | * | * | 0 | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Pima | 68 | 22 | 37 | 9 | 25 | 10 | 11 | * | 35 | 11 | 21 | * | 0† | 0 | * | 0 | 0† | * | * | 0 | 0† | 0 | * | * |
| Pinal | 30 | 12 | 17 | * | 15 | 7 | 8 | 0 | 10† | * | 6 | 0 | 0† | 0 | * | * | 0† | * | * | 0 | 0† | 0 | * | 0 |
| Santa Cruz | 10† | * | * | 0 | 0 | 0 | 0 | 0 | 10† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0† | 0 | * | 0 |
| Yavapai | 20† | * | 10 | 0 | 10† | * | 7 | 0 | 0† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0† | * | 0 | 0 |
| Yuma | 10† | * | 6 | 0 | 0† | 0 | * | 0 | 10† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Include spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; T: total; M: male; F: female; ^b Totals may include cases with unknown or unspecified gender.

**TABLE 5C-5
REPORTABLE SPONTANEOUS FETAL LOSSES^a BY MOTHER'S AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Mother's age group | | | | | | | | | |
|-------------------|-------|--------------------|-------|-------|-------|-------|-------|-------|-------|-----|---------|
| | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | Unknown |
| ARIZONA | 527 | 1 | 5 | 27 | 108 | 142 | 135 | 81 | 26 | 1 | 1 |
| Apache | 0† | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 |
| Cochise | 10† | 0 | 0 | 0 | * | 0 | * | * | 0 | 0 | 0 |
| Coconino | 10† | 0 | * | * | * | * | * | * | 0 | 0 | 0 |
| Gila | 10† | 0 | 0 | 0 | * | * | 0 | * | 0 | 0 | 0 |
| Graham | 0† | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 |
| Greenlee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| La Paz | 0† | 0 | 0 | 0 | 0 | * | * | * | 0 | 0 | 0 |
| Maricopa | 350† | 0 | * | 21 | 74 | 90 | 84 | 55 | 18 | * | 0 |
| Mohave | 10† | 0 | 0 | 0 | * | * | * | * | 0 | 0 | 0 |
| Navajo | 10† | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 |
| Pima | 70† | 0 | 0 | * | 12 | 14 | 22 | 10 | * | 0 | * |
| Pinal | 30† | 0 | 0 | 0 | * | 10 | 11 | * | * | 0 | 0 |
| Santa Cruz | 10† | 0 | 0 | 0 | 0 | * | * | * | 0 | 0 | 0 |
| Yavapai | 20† | 0 | 0 | 0 | * | 7 | * | * | * | 0 | 0 |
| Yuma | 10† | * | 0 | * | * | * | 0 | * | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions.

5D

ABORTIONS

**TABLE 5D-1
RESIDENT ABORTIONS TO WOMEN BY COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| County of Residence | Year | | | | | | | | | | | % Change | | |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2020 to 2021 | 2015 to 2019 | 2011 to 2021 |
| Number of Abortions | | | | | | | | | | | | | | |
| ARIZONA | 13,606 | 13,129 | 13,254 | 12,747 | 12,479 | 13,170 | 12,336 | 12,362 | 13,003 | 13,186 | 13,896 | 5.4 | 4.2 | 2.1 |
| Apache | 15 | 16 | 12 | 8 | 17 | 18 | 14 | 14 | 9 | 16 | 12 | -25.0 | -47.1 | -20.0 |
| Cochise | 162 | 140 | 101 | 47 | 105 | 103 | 97 | 109 | 123 | 119 | 131 | 10.1 | 17.1 | -19.1 |
| Coconino | 184 | 166 | 147 | 159 | 231 | 210 | 207 | 159 | 173 | 176 | 185 | 5.1 | -25.1 | 0.5 |
| Gila | 41 | 34 | 54 | 33 | 50 | 64 | 55 | 40 | 50 | 30 | 41 | 36.7 | 0.0 | 0.0 |
| Graham | 12 | 33 | 17 | 15 | 16 | 20 | 18 | 25 | 20 | 27 | 33 | 22.2 | 25.0 | 175.0 |
| Greenlee | 41 | 47 | 67 | 9 | 8 | 10 | 10 | 7 | 9 | 7 | 9 | 28.6 | 12.5 | -78.0 |
| La Paz | 11 | 7 | 16 | 7 | 14 | 10 | 11 | 11 | 29 | 21 | 16 | -23.8 | 107.1 | 45.5 |
| Maricopa | 10,280 | 8,809 | 8,385 | 8,727 | 8,504 | 9,076 | 8,384 | 8,290 | 8,911 | 9,587 | 10,154 | 5.9 | 4.8 | -1.2 |
| Mohave | 43 | 41 | 26 | 19 | 18 | 24 | 19 | 13 | 20 | 20 | 12 | -40.0 | 11.1 | -72.1 |
| Navajo | 77 | 72 | 66 | 41 | 49 | 69 | 66 | 55 | 48 | 66 | 65 | -1.5 | -2.0 | -15.6 |
| Pima | 2,039 | 2,196 | 2,109 | 1,979 | 1,555 | 1,816 | 1,611 | 1,587 | 1,681 | 1,621 | 1,766 | 8.9 | 8.1 | -13.4 |
| Pinal | 313 | 417 | 346 | 315 | 366 | 345 | 400 | 362 | 394 | 464 | 512 | 10.3 | 7.7 | 63.6 |
| Santa Cruz | 35 | 32 | 23 | 26 | 26 | 35 | 45 | 34 | 42 | 32 | 34 | 6.3 | 61.5 | -2.9 |
| Yavapai | 181 | 176 | 214 | 165 | 193 | 234 | 222 | 186 | 193 | 182 | 211 | 15.9 | 0.0 | 16.6 |
| Yuma | 172 | 79 | 90 | 67 | 49 | 43 | 29 | 31 | 33 | 26 | 33 | 26.9 | -32.7 | -80.8 |
| Unknown | 0 | 864 | 1,581 | 1,130 | 1,278 | 1,093 | 1,148 | 1,439 | 1,268 | 792 | 682 | NA | NA | NA |
| Abortion Rates^a | | | | | | | | | | | | | | |
| ARIZONA | 10.7 | 10.3 | 10.3 | 9.8 | 9.5 | 10.0 | 9.2 | 9.1 | 9.4 | 9.6 | 9.9 | 3.1 | -1.1 | -7.5 |
| Apache | 1.1 | 1.2 | 0.9 | 0.6 | 1.3 | 1.4 | 1.0 | 1.0 | 0.7 | 1.3 | 1.0 | -23.1 | -46.2 | -9.1 |
| Cochise | 7.3 | 6.3 | 4.5 | 2.2 | 4.9 | 4.9 | 4.7 | 5.2 | 5.7 | 5.8 | 6.4 | 10.3 | 16.3 | -12.3 |
| Coconino | 5.9 | 5.3 | 4.7 | 4.8 | 6.8 | 6.1 | 5.9 | 4.5 | 4.8 | 4.8 | 5.1 | 6.3 | -29.4 | -13.6 |
| Gila | 5.4 | 4.6 | 7.3 | 4.4 | 6.6 | 8.6 | 7.3 | 5.3 | 6.5 | 4.0 | 5.5 | 37.5 | -1.5 | 1.9 |
| Graham | 1.8 | 4.8 | 2.4 | 2.1 | 2.3 | 2.8 | 2.6 | 3.6 | 2.8 | 3.8 | 4.6 | 21.1 | 21.7 | 155.6 |
| Greenlee | 26.5 | 29.8 | 33.2 | 4.6 | 3.9 | 4.9 | 4.6 | 3.5 | 4.5 | 3.9 | 4.8 | 23.1 | 15.4 | -81.9 |
| La Paz | 4.4 | 2.9 | 6.6 | 2.8 | 5.6 | 3.9 | 4.2 | 4.2 | 10.7 | 10.2 | 8.0 | -21.6 | 91.1 | 81.8 |
| Maricopa | 12.9 | 11.0 | 10.4 | 10.6 | 10.2 | 10.8 | 9.8 | 9.6 | 10.1 | 10.7 | 11.2 | 4.7 | -1.0 | -13.2 |
| Mohave | 1.5 | 1.4 | 0.9 | 0.7 | 0.6 | 0.8 | 0.7 | 0.5 | 0.7 | 0.7 | 0.4 | -42.9 | 16.7 | -73.3 |
| Navajo | 4.0 | 3.8 | 3.5 | 2.2 | 2.6 | 3.6 | 3.5 | 2.9 | 2.5 | 3.6 | 3.6 | 0.0 | -3.8 | -10.0 |
| Pima | 10.5 | 11.4 | 10.9 | 10.1 | 7.9 | 9.3 | 8.2 | 7.9 | 8.3 | 8.0 | 8.6 | 7.5 | 5.1 | -18.1 |
| Pinal | 4.6 | 6.0 | 4.9 | 4.6 | 5.3 | 4.9 | 5.6 | 4.9 | 5.2 | 6.5 | 6.9 | 6.2 | -1.9 | 50.0 |
| Santa Cruz | 3.8 | 3.5 | 2.5 | 2.8 | 2.8 | 3.7 | 4.8 | 3.5 | 4.3 | 3.7 | 3.8 | 2.7 | 53.6 | 0.0 |
| Yavapai | 6.0 | 5.9 | 7.1 | 5.6 | 6.5 | 7.9 | 7.4 | 6.1 | 6.3 | 5.9 | 6.8 | 15.3 | -3.1 | 13.3 |
| Yuma | 4.4 | 2.0 | 2.2 | 1.7 | 1.2 | 1.1 | 0.7 | 0.8 | 0.8 | 0.7 | 0.9 | 28.6 | -33.3 | -79.5 |
| Abortion Ratio^b | | | | | | | | | | | | | | |
| ARIZONA | 160 | 153 | 156 | 147 | 147 | 156 | 151 | 153 | 164 | 172 | 178 | 3.5 | 11.6 | 11.3 |
| Apache | 14 | 17 | 13 | 8 | 18 | 18 | 15 | 15 | 10 | 20 | 16 | -20.0 | -44.4 | 14.3 |
| Cochise | 97 | 82 | 63 | 29 | 67 | 67 | 73 | 81 | 92 | 93 | 105 | 12.9 | 37.3 | 8.2 |
| Coconino | 104 | 98 | 90 | 93 | 147 | 130 | 137 | 106 | 127 | 132 | 142 | 7.6 | -13.6 | 36.5 |
| Gila | 66 | 56 | 92 | 51 | 86 | 108 | 102 | 80 | 106 | 64 | 91 | 42.2 | 23.3 | 37.9 |
| Graham | 20 | 63 | 28 | 25 | 28 | 36 | 34 | 49 | 41 | 58 | 63 | 8.6 | 46.4 | 215.0 |
| Greenlee | 345 | 412 | 536 | 63 | 52 | 67 | 64 | 54 | 73 | 58 | 77 | 32.8 | 40.4 | -77.7 |
| La Paz | 64 | 34 | 78 | 33 | 70 | 45 | 57 | 59 | 156 | 136 | 97 | -28.7 | 122.9 | 51.6 |
| Maricopa | 193 | 162 | 156 | 158 | 156 | 168 | 160 | 160 | 175 | 195 | 202 | 3.6 | 12.2 | 4.7 |
| Mohave | 22 | 24 | 15 | 10 | 10 | 13 | 11 | 7 | 12 | 12 | 7 | -41.7 | 20.0 | -68.2 |
| Navajo | 47 | 44 | 42 | 25 | 32 | 46 | 44 | 40 | 35 | 51 | 54 | 5.9 | 9.4 | 14.9 |
| Pima | 172 | 185 | 176 | 167 | 136 | 159 | 147 | 149 | 162 | 162 | 177 | 9.3 | 19.1 | 2.9 |
| Pinal | 68 | 90 | 76 | 70 | 82 | 77 | 91 | 80 | 88 | 100 | 106 | 6.0 | 7.3 | 55.9 |
| Santa Cruz | 50 | 48 | 35 | 43 | 42 | 55 | 71 | 55 | 70 | 54 | 67 | 24.1 | 66.7 | 34.0 |
| Yavapai | 99 | 99 | 118 | 85 | 103 | 125 | 124 | 105 | 107 | 108 | 122 | 13.0 | 3.9 | 23.2 |
| Yuma | 54 | 25 | 29 | 22 | 16 | 14 | 10 | 10 | 11 | 9 | 11 | 22.2 | -31.3 | -79.6 |

Notes: ^a Number of abortions obtained per 1,000 women from 15 - 44 years of age; ^b Number of abortions obtained per 1,000 live birth.

**TABLE 5D-2
ABORTIONS BY COUNTY OF RESIDENCE AND AGE GROUP, ARIZONA, 2021**

| County ^a | ≤ 19 years | | 20-29 years | | ≥ 30 years | |
|----------------------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Count | Percent | Count | Percent | Count | Percent |
| Apache | * | ** | 8 | 0.1 | * | ** |
| Cochise | 17 | 1.3 | 69 | 0.9 | 45 | 1.0 |
| Coconino | 21 | 1.6 | 116 | 1.4 | 48 | 1.1 |
| Gila | * | ** | 25 | 0.3 | 14 | 0.3 |
| Graham | * | ** | 18 | 0.2 | 10 | 0.2 |
| Greenlee | * | ** | * | ** | * | ** |
| La Paz | * | ** | 7 | 0.1 | * | ** |
| Maricopa | 924 | 71.1 | 5,855 | 72.6 | 3,375 | 74.5 |
| Mohave | * | ** | * | ** | * | ** |
| Navajo | 12 | 0.9 | 32 | 0.4 | 21 | 0.5 |
| Pima | 151 | 11.6 | 1,064 | 13.2 | 551 | 12.2 |
| Pinal | 48 | 3.7 | 308 | 3.8 | 156 | 3.4 |
| Santa Cruz | * | ** | 23 | 0.3 | 8 | 0.2 |
| Yavapai | 22 | 1.7 | 119 | 1.5 | 70 | 1.5 |
| Yuma | * | ** | 21 | 0.3 | 10 | 0.2 |
| Unknown | 84 | 6.5 | 392 | 4.9 | 206 | 4.5 |
| Border region ^b | 173 | 13.3 | 1,177 | 14.6 | 614 | 13.6 |
| Non-border region | 1,042 | 80.2 | 6,498 | 80.6 | 3,710 | 81.9 |
| Arizona | 1,300† | 100.0 | 8,070† | 100.0 | 4,530† | 100.0 |

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Residence indicates patient county of residence; ^b Border region includes Cochise, Pima, Santa Cruz, and Yuma counties.

**TABLE 5D-3
RESIDENT ABORTIONS BY COUNTY OF RESIDENCE, RACE/ETHNICITY, MARITAL STATUS, AND EDUCATION, ARIZONA, 2021**

| | Total | Race/ethnicity | | | | | | | | Marital status | | Education/highest grade completed | | |
|----------------------------|--------|--------------------|--------------------|---------------------------|----------------------------------|---------------------------|---------------|---------|---------|----------------|--------------------------|-----------------------------------|--------------------|--|
| | | White non-Hispanic | Hispanic or Latino | Black or African American | American Indian or Alaska Native | Asian or Pacific Islander | Multiple race | Unknown | Married | Unmarried | Primary/Secondary (0-12) | College (1-4 or 5+) | Not stated/unknown | |
| ARIZONA | 13,896 | 4,650+ | 6,080+ | 1,660+ | 400+ | 530+ | 320+ | 260+ | 2,100+ | 11,798 | 4,660+ | 3,860+ | 5,370+ | |
| Apache | 10+ | * | * | 0 | 7 | 0 | 0 | * | * | 11 | * | * | 8 | |
| Cochise | 130+ | 65 | 42 | 11 | * | 7 | * | * | 27 | 104 | 35 | 33 | 63 | |
| Coconino | 190+ | 78 | 51 | * | 40 | * | * | * | 17 | 168 | 25 | 28 | 132 | |
| Gila | 40+ | 22 | 12 | 0 | * | * | * | * | * | 36 | 10 | 13 | 18 | |
| Graham | 30+ | 8 | 19 | * | * | * | 0 | 0 | * | 28 | 14 | 7 | 12 | |
| Greenlee | 10+ | * | 6 | * | 0 | 0 | 0 | * | 0 | 9 | * | * | 6 | |
| La Paz | 20+ | * | 9 | 0 | * | * | 0 | 0 | * | 12 | 8 | * | * | |
| Maricopa | 10,154 | 3,315 | 4,403 | 1,357 | 228 | 410 | 259 | 182 | 1,557 | 8,597 | 3,488 | 3,077 | 3,589 | |
| Mohave | 10+ | * | * | * | 0 | * | 0 | 0 | * | 10 | * | * | 6 | |
| Navajo | 70+ | 18 | 7 | 0 | 34 | 0 | * | * | * | 60 | 25 | 12 | 28 | |
| Pima | 1,766 | 585 | 919 | 125 | 36 | 49 | 24 | 28 | 249 | 1,517 | 491 | 372 | 903 | |
| Pinal | 512 | 208 | 203 | 62 | 16 | 7 | 11 | * | 90 | 422 | 182 | 130 | 200 | |
| Santa Cruz | 30+ | 7 | 24 | 0 | 0 | 0 | 0 | * | * | 31 | 7 | 7 | 20 | |
| Yavapai | 210+ | 131 | 55 | * | 8 | * | * | 6 | 26 | 185 | 61 | 45 | 105 | |
| Yuma | 30+ | * | 27 | * | 0 | 0 | * | 0 | * | 31 | 10 | 12 | 11 | |
| Unknown^a | 682 | 191 | 297 | 94 | 20 | 44 | 8 | 28 | 105 | 577 | 297 | 117 | 268 | |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; ^a Unknown county describes an Arizona resident whose county of residence is unknown.

**TABLE 5D-4
ABORTIONS BY COUNTY OF RESIDENCE AND GESTATIONAL AGE GROUP, ARIZONA, 2021**

| | TOTAL | Gestational Age ^a | | |
|----------------------|------------------|------------------------------|--------------------|------------------|
| | | ≤13 weeks | 14 to 20 weeks | ≥21 weeks |
| | | Count | Count | Count |
| Arizona | 13,896 | 12,466 | 1,200 [†] | 230 [†] |
| Apache | 12 | 12 | 0 | 0 |
| Cochise | 130 [†] | 109 | 19 | * |
| Coconino | 185 | 163 | 22 | 0 |
| Gila | 40 [†] | 37 | * | 0 |
| Graham | 30 [†] | 28 | * | * |
| Greenlee | 10 [†] | 6 | * | 0 |
| La Paz | 20 [†] | 12 | * | * |
| Maricopa | 10,154 | 9,148 | 843 | 163 |
| Mohave | 10 [†] | 11 | 0 | * |
| Navajo | 70 [†] | 52 | 11 | * |
| Pima | 1,766 | 1,587 | 159 | 20 |
| Pinal | 512 | 448 | 52 | 12 |
| Santa Cruz | 30 [†] | 31 | * | * |
| Yavapai | 210 [†] | 189 | 17 | * |
| Yuma | 30 [†] | 24 | 7 | * |
| Unknown ^a | 682 | 609 | 58 | 15 |

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6.

5E

TRENDS AND PATTERNS IN MORTALITY

**TABLE 5E-1
MORTALITY BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARIZONA | 47,547 | 48,459 | 49,929 | 51,074 | 54,152 | 56,480 | 57,261 | 59,206 | 60,161 | 75,700 | 81,482 |
| Apache | 584 | 471 | 607 | 601 | 646 | 653 | 689 | 692 | 734 | 1,165 | 1,209 |
| Cochise | 1,183 | 1,204 | 1,266 | 1,201 | 1,305 | 1,342 | 1,344 | 1,360 | 1,404 | 1,637 | 1,835 |
| Coconino | 722 | 707 | 702 | 732 | 814 | 857 | 859 | 858 | 830 | 1,149 | 1,175 |
| Gila | 682 | 655 | 696 | 747 | 814 | 832 | 723 | 754 | 817 | 975 | 1,053 |
| Graham | 245 | 300 | 275 | 283 | 251 | 278 | 305 | 336 | 287 | 382 | 489 |
| Greenlee | 71 | 64 | 46 | 52 | 69 | 52 | 65 | 66 | 66 | 75 | 96 |
| La Paz | 186 | 225 | 247 | 253 | 254 | 270 | 320 | 317 | 307 | 366 | 419 |
| Maricopa | 25,467 | 25,785 | 26,906 | 27,711 | 28,945 | 30,311 | 30,798 | 32,091 | 32,637 | 40,748 | 43,947 |
| Mohave | 2,424 | 2,482 | 2,686 | 2,540 | 3,024 | 3,181 | 3,144 | 3,387 | 3,347 | 4,009 | 4,587 |
| Navajo | 899 | 897 | 976 | 937 | 907 | 1,010 | 1,059 | 1,137 | 1,196 | 1,735 | 1,848 |
| Pima | 8,392 | 8,713 | 8,592 | 8,725 | 9,241 | 9,492 | 9,527 | 9,846 | 9,977 | 12,290 | 12,821 |
| Pinal | 2,380 | 2,440 | 2,457 | 2,629 | 2,968 | 2,991 | 3,110 | 3,147 | 3,334 | 4,293 | 4,936 |
| Santa Cruz | 247 | 303 | 286 | 275 | 294 | 301 | 297 | 278 | 335 | 464 | 428 |
| Yavapai | 2,496 | 2,616 | 2,724 | 2,772 | 2,918 | 2,955 | 3,114 | 3,121 | 3,071 | 3,717 | 4,117 |
| Yuma | 1,350 | 1,386 | 1,320 | 1,425 | 1,427 | 1,506 | 1,491 | 1,631 | 1,634 | 2,443 | 2,214 |
| Unknown | 219 | 211 | 143 | 191 | 275 | 449 | 416 | 185 | 185 | 252 | 308 |

**TABLE 5E-2
MORTALITY BY COUNTY OF OCCURRENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARIZONA^a | 49,208 | 50,254 | 51,997 | 53,097 | 56,386 | 58,708 | 59,446 | 62,688 | 63,701 | 79,353 | 85,570 |
| Apache | 350 | 351 | 332 | 362 | 384 | 399 | 440 | 412 | 410 | 608 | 611 |
| Cochise | 878 | 901 | 892 | 893 | 957 | 1,023 | 961 | 976 | 1,007 | 1,164 | 1,295 |
| Coconino | 930 | 890 | 822 | 936 | 1,009 | 1,041 | 1,044 | 1,096 | 1,096 | 1,317 | 1,389 |
| Gila | 559 | 557 | 560 | 601 | 653 | 655 | 576 | 629 | 643 | 766 | 825 |
| Graham | 193 | 241 | 223 | 236 | 199 | 233 | 259 | 289 | 258 | 324 | 418 |
| Greenlee | 40 | 28 | 28 | 29 | 43 | 31 | 31 | 31 | 41 | 47 | 48 |
| La Paz | 173 | 173 | 165 | 179 | 197 | 193 | 265 | 234 | 230 | 268 | 282 |
| Maricopa | 28,001 | 28,442 | 28,360 | 30,135 | 31,490 | 33,037 | 33,832 | 35,105 | 35,852 | 45,307 | 48,898 |
| Mohave | 2,511 | 2,594 | 2,612 | 2,572 | 2,825 | 2,996 | 2,998 | 3,142 | 3,040 | 3,734 | 4,249 |
| Navajo | 675 | 692 | 716 | 669 | 735 | 776 | 802 | 874 | 862 | 1,144 | 1,287 |
| Pima | 9,385 | 9,749 | 9,143 | 9,571 | 10,116 | 10,353 | 10,555 | 10,703 | 10,880 | 13,467 | 13,951 |
| Pinal | 1,604 | 1,558 | 1,495 | 1,760 | 1,912 | 1,996 | 2,017 | 1,988 | 2,048 | 2,840 | 3,093 |
| Santa Cruz | 167 | 193 | 172 | 180 | 200 | 197 | 194 | 184 | 212 | 255 | 249 |
| Yavapai | 2,373 | 2,478 | 2,504 | 2,606 | 2,727 | 2,785 | 2,959 | 2,891 | 2,823 | 3,456 | 3,800 |
| Yuma | 1,369 | 1,407 | 1,234 | 1,461 | 1,447 | 1,525 | 1,514 | 1,651 | 1,680 | 2,381 | 2,148 |
| Unknown | 0 | 0 | 0 | 11 | 1,492 | 1,468 | 999 | 2,483 | 2,619 | 2,275 | 3,027 |

Note: ^a Totals include those resident deaths occurring out-of-state.

**TABLE 5E-3
RESIDENT DEATHS BY PLACE OF OCCURRENCE AND NON-RESIDENT DEATHS BY COUNTY OF OCCURRENCE
IN ARIZONA, 2021**

| County of residence | County of occurrence | | | | | | | | | | | | | AZ residents died in Arizona | Arizona resident, died elsewhere | Total, Arizona residents | | |
|--------------------------------------------|----------------------|---------------|---------------|-------------|-------------|------------|-------------|---------------|---------------|---------------|----------------|---------------|-------------|------------------------------|----------------------------------|--------------------------|--------------|---------------|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | | | | Yavapai | Yuma |
| Apache | 531 | 0 | 71 | 7 | 0 | 0 | * | 265 | * | 99 | 13 | * | 0 | * | 0 | 994 | 215 | 1,210† |
| Cochise | 0 | 1,224 | * | * | 9 | * | 0 | 83 | 0 | * | 476 | * | 0 | 0 | 0 | 1,798 | 37 | 1,840† |
| Coconino | * | 0 | 897 | * | 0 | * | 0 | 167 | 7 | 14 | * | 0 | 0 | 48 | 0 | 1,146 | 29 | 1,180† |
| Gila | 0 | 0 | * | 727 | 21 | 0 | 0 | 261 | 0 | * | 15 | 9 | 0 | * | 0 | 1,042 | 11 | 1,050† |
| Graham | 0 | * | * | 15 | 356 | * | 0 | 44 | 0 | 0 | 62 | * | 0 | 0 | 0 | 484 | * | 490† |
| Greenlee | * | 0 | 0 | 0 | 18 | 42 | 0 | 12 | * | 0 | 18 | 0 | 0 | 0 | 0 | 93 | * | 100† |
| La Paz | 0 | 0 | * | 0 | 0 | 0 | 222 | 97 | 39 | 0 | * | 0 | 0 | * | * | 368 | 51 | 420† |
| Maricopa | * | * | 45 | 22 | * | 0 | 6 | 42,825 | 12 | 33 | 86 | 180 | * | 68 | 8 | 43,297 | 650 | 43,950† |
| Mohave | * | 0 | 15 | 0 | 0 | 0 | * | 264 | 3,869 | * | * | * | 0 | 13 | * | 4,178 | 409 | 4,590† |
| Navajo | 41 | * | 159 | 18 | 0 | 0 | 0 | 456 | * | 1,079 | 18 | * | 0 | 17 | 0 | 1,795 | 53 | 1,850† |
| Pima | * | 10 | 8 | * | * | * | 0 | 176 | * | * | 12,380 | 38 | 6 | 7 | * | 12,640 | 181 | 12,820† |
| Pinal | * | 0 | * | 13 | * | 0 | 0 | 1,827 | 0 | 9 | 248 | 2,730 | 0 | 6 | 6 | 4,845 | 91 | 4,940† |
| Santa Cruz | 0 | * | * | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 176 | 0 | 218 | 0 | 0 | 420 | 8 | 430† |
| Yavapai | 0 | * | 59 | * | * | 0 | 0 | 437 | 11 | * | 12 | * | 0 | 3,541 | * | 4,076 | 41 | 4,120† |
| Yuma | 0 | 0 | * | * | 0 | 0 | 0 | 206 | * | * | 30 | * | 0 | * | 1,907 | 2,154 | 60 | 2,210† |
| Unknown | 0 | * | * | * | 0 | 0 | 0 | 102 | 8 | * | 18 | 17 | 0 | 10 | * | 165 | 143 | 310† |
| AZ resident | 580† | 1,240† | 1,270† | 820† | 410† | 50† | 230† | 47,245 | 3,960† | 1,250† | 13,560† | 2,990† | 230† | 3,720† | 1,940† | 79,500† | 1,987 | 81,482 |
| Non-resident | 27 | 51 | 123 | 7 | 8 | 0 | 50 | 1,653 | 294 | 33 | 389 | 101 | 21 | 79 | 212 | 6,075 | | |
| Total deaths in Arizona^a | 610† | 1,300† | 1,390† | 830† | 420† | 50† | 280† | 48,898 | 4,250† | 1,290† | 13,950† | 3,090† | 250† | 3,800† | 2,150† | 85,570 | | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Total deaths includes deaths that occurred out of Arizona and records with unknown county of occurrence.

**TABLE 5E-4
MORTALITY RATES^a BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARIZONA | 738.5 | 745.7 | 758.7 | 766.0 | 752.9 | 826.3 | 822.0 | 836.7 | 836.8 | 1054.8 | 1118.4 |
| Apache | 811.2 | 651.4 | 841.0 | 836.3 | 894.6 | 905.3 | 947.6 | 943.7 | 1022.2 | 1763.8 | 1820.5 |
| Cochise | 906.3 | 920.8 | 967.1 | 926.5 | 1010.8 | 1045.6 | 1046.9 | 1043.6 | 1073.3 | 1302.1 | 1451.0 |
| Coconino | 538.2 | 526.4 | 517.3 | 525.2 | 574.9 | 601.2 | 596.3 | 589.4 | 563.6 | 788.6 | 797.0 |
| Gila | 1272.9 | 1221.4 | 1296.8 | 1377.7 | 1496.2 | 1531.3 | 1315.8 | 1372.3 | 1481.2 | 1829.2 | 1967.3 |
| Graham | 649.7 | 804.0 | 726.1 | 738.6 | 652.4 | 725.8 | 796.9 | 881.3 | 745.9 | 988.7 | 1253.0 |
| Greenlee | 847.3 | 744.3 | 421.5 | 496.4 | 653.7 | 498.4 | 593.0 | 628.2 | 636.1 | 784.4 | 1000.7 |
| La Paz | 897.3 | 1076.5 | 1177.4 | 1193.1 | 1199.1 | 1270.8 | 1481.6 | 1448.1 | 1390.1 | 2206.5 | 2491.1 |
| Maricopa | 662.6 | 663.8 | 682.1 | 691.3 | 710.1 | 732.7 | 729.5 | 747.3 | 747.2 | 918.4 | 975.0 |
| Mohave | 1209.5 | 1222.2 | 1319.3 | 1245.1 | 1470.0 | 1545.9 | 1498.6 | 1590.5 | 1542.5 | 1873.5 | 2118.4 |
| Navajo | 838.4 | 831.2 | 897.9 | 858.2 | 827.0 | 914.7 | 951.8 | 1008.5 | 1060.0 | 1625.0 | 1715.1 |
| Pima | 851.0 | 879.8 | 862.6 | 866.3 | 915.5 | 936.9 | 928.5 | 952.0 | 955.0 | 1175.4 | 1211.5 |
| Pinal | 619.4 | 626.9 | 623.9 | 663.5 | 730.2 | 723.7 | 727.3 | 714.3 | 732.4 | 1002.5 | 1124.0 |
| Santa Cruz | 513.6 | 621.9 | 581.1 | 555.0 | 584.8 | 595.1 | 576.6 | 530.6 | 630.2 | 971.0 | 883.1 |
| Yavapai | 1181.6 | 1236.4 | 1277.1 | 1287.2 | 1339.9 | 1342.0 | 1381.8 | 1363.1 | 1321.5 | 1567.9 | 1707.1 |
| Yuma | 673.5 | 675.5 | 630.6 | 672.1 | 663.7 | 691.7 | 672.7 | 724.2 | 710.6 | 1193.3 | 1067.9 |

Notes: ^a Crude death rates; number of deaths per 100,000 population.

**TABLE 5E-5
TRENDS IN AGE-ADJUSTED^a MORTALITY RATES FOR ALL CAUSES BY COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| ARIZONA | 699.6 | 687.2 | 687.8 | 676.0 | 691.3 | 696.6 | 679.3 | 688.6 | 676.6 | 842.2 | 882.6 |
| Apache | 940.7 | 721.4 | 905.6 | 881.2 | 928.2 | 913.5 | 937.2 | 916.6 | 960.9 | 1,658.8 | 1684.2 |
| Cochise | 745.5 | 743.2 | 759.8 | 706.1 | 745.4 | 747.0 | 730.7 | 709.8 | 727.2 | 855.0 | 946.0 |
| Coconino | 671.6 | 717.1 | 671.5 | 657.2 | 660.6 | 696.5 | 691.4 | 678.5 | 638.6 | 858.3 | 850.0 |
| Gila | 876.0 | 801.1 | 869.0 | 890.4 | 958.9 | 959.5 | 831.1 | 872.3 | 914.9 | 1,141.2 | 1228.8 |
| Graham | 726.4 | 897.1 | 786.5 | 827.7 | 696.7 | 756.1 | 820.7 | 854.5 | 719.6 | 953.6 | 1194.8 |
| Greenlee | 889.5 | 745.3 | 421.8 | 536.7 | 693.2 | 522.8 | 616.5 | 585.7 | 631.1 | 747.0 | 929.3 |
| La Paz | 570.4 | 700.9 | 693.1 | 702.6 | 650.9 | 750.0 | 768.8 | 843.6 | 735.0 | 1,200.3 | 1355.0 |
| Maricopa | 677.8 | 660.6 | 667.9 | 664.5 | 668.4 | 676.6 | 663.0 | 678.1 | 666.9 | 807.3 | 844.7 |
| Mohave | 824.8 | 813.3 | 845.8 | 776.7 | 888.4 | 904.9 | 847.3 | 862.6 | 833.6 | 996.1 | 1131.1 |
| Navajo | 888.5 | 854.1 | 901.6 | 819.3 | 786.2 | 844.6 | 867.5 | 897.8 | 922.5 | 1,398.3 | 1454.0 |
| Pima | 711.8 | 717.1 | 696.6 | 682.4 | 707.2 | 706.0 | 684.3 | 704.6 | 697.6 | 849.6 | 870.6 |
| Pinal | 668.5 | 648.4 | 636.2 | 608.3 | 650.1 | 604.9 | 590.2 | 577.3 | 573.3 | 763.6 | 839.2 |
| Santa Cruz | 519.3 | 602.8 | 550.5 | 517.2 | 521.1 | 510.0 | 475.5 | 441.2 | 507.1 | 747.5 | 684.8 |
| Yavapai | 722.6 | 747.3 | 760.4 | 738.1 | 755.8 | 737.6 | 750.1 | 724.9 | 706.1 | 828.0 | 896.3 |
| Yuma | 628.4 | 599.7 | 551.9 | 575.6 | 545.9 | 550.2 | 507.3 | 557.7 | 534.7 | 892.1 | 810.6 |

Notes: ^a Adjusted to the 2000 standard U.S. population; the rates are per 100,000 resident population in specified county.

**TABLE 5E-6
NUMBER OF DEATHS BY RACE/ETHNICITY, GENDER, AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | All groups ^b | | | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian or Alaska Native | | | Asian or Pacific Islander | | |
|-------------------|-------------------------|--------|--------|--------------------|--------|--------|--------------------|-------|--------|---------------------------|--------------------|--------------------|----------------------------------|--------------------|--------------------|---------------------------|------------------|------------------|
| | Total ^a | Male | Female | Total ^a | Male | Female | Total | Male | Female | Total | Male | Female | Total ^a | Male | Female | Total | Male | Female |
| ARIZONA | 81,482 | 45,102 | 36,369 | 57,987 | 31,702 | 26,285 | 13,785 | 7,998 | 5,787 | 3,300 [†] | 1,850 [†] | 1,440 [†] | 4,380 [†] | 2,460 [†] | 1,920 [†] | 1,540 [†] | 770 [†] | 770 [†] |
| Apache | 1,209 | 716 | 493 | 285 | 167 | 118 | 45 | 31 | 14 | 10 [†] | * | * | 864 | 507 | 357 | 0 [†] | * | * |
| Cochise | 1,835 | 1,055 | 780 | 1,385 | 796 | 589 | 346 | 198 | 148 | 52 | 34 | 18 | 10 [†] | 13 | * | 27 | 9 | 18 |
| Coconino | 1,175 | 669 | 506 | 580 | 344 | 236 | 93 | 51 | 42 | 10 [†] | * | * | 487 | 267 | 220 | 10 [†] | * | * |
| Gila | 1,053 | 596 | 457 | 760 | 432 | 328 | 94 | 56 | 38 | 0 [†] | * | * | 185 | 100 | 85 | 10 [†] | * | * |
| Graham | 489 | 253 | 236 | 307 | 157 | 150 | 120 | 68 | 52 | 0 [†] | 0 | * | 59 | 27 | 32 | 0 [†] | 0 | * |
| Greenlee | 96 | 58 | 38 | 46 | 30 | 16 | 47 | 27 | 20 | 0 [†] | 0 | * | 0 [†] | * | * | 0 | 0 | 0 |
| La Paz | 419 | 264 | 155 | 327 | 213 | 114 | 40 | 23 | 17 | 0 [†] | 0 | * | 46 | 26 | 20 | 0 [†] | * | * |
| Maricopa | 43,947 | 23,903 | 20,042 | 31,639 | 16,865 | 14,774 | 7,546 | 4,453 | 3,093 | 2,489 | 1,375 | 1,114 | 981 | 533 | 448 | 1,137 | 582 | 555 |
| Mohave | 4,587 | 2,711 | 1,876 | 4,066 | 2,400 | 1,666 | 316 | 182 | 134 | 31 | 24 | 7 | 82 | 38 | 44 | 40 | 23 | 17 |
| Navajo | 1,848 | 1,087 | 761 | 963 | 565 | 398 | 104 | 65 | 39 | 10 [†] | * | 9 | 757 | 449 | 308 | 0 [†] | * | * |
| Pima | 12,821 | 6,904 | 5,917 | 8,825 | 4,713 | 4,112 | 2,769 | 1,508 | 1,261 | 417 | 245 | 172 | 467 | 256 | 211 | 208 | 90 | 118 |
| Pinal | 4,936 | 2,853 | 2,083 | 3,496 | 2,016 | 1,480 | 810 | 480 | 330 | 210 | 123 | 87 | 319 | 175 | 144 | 62 | 31 | 31 |
| Santa Cruz | 428 | 243 | 185 | 119 | 71 | 48 | 301 | 169 | 132 | 0 [†] | 0 | * | 0 | 0 | 0 | 0 [†] | * | * |
| Yavapai | 4,117 | 2,290 | 1,827 | 3,767 | 2,071 | 1,696 | 235 | 151 | 84 | 20 [†] | 11 | * | 59 | 36 | 23 | 19 | 10 | 9 |
| Yuma | 2,214 | 1,296 | 918 | 1,218 | 725 | 493 | 891 | 511 | 380 | 30 | 15 | 15 | 35 | 22 | 13 | 18 | 10 | 8 |
| Unknown | 308 | 204 | 95 | 204 | 137 | 67 | 30 [†] | 25 | * | 10 [†] | 9 | * | 23 | 13 | 10 | 10 [†] | * | * |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes records with unknown gender; ^b Total for all groups includes records with unknown race/ethnicity.

**TABLE 5E-7
NUMBER OF DEATHS BY MONTH AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Month of death | | | | | | | | | | | |
|-------------------|--------|----------------|-------|--------|-------|--------|-------|--------|-------|-------|--------|-------|-------|
| | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| ARIZONA | 81,482 | 10,061 | 6,566 | 6,040† | 5,457 | 5,750† | 5,692 | 5,840† | 6,718 | 6,865 | 6,850† | 7,328 | 8,322 |
| Apache | 1,209 | 176 | 112 | 100 | 69 | 68 | 71 | 78 | 89 | 104 | 109 | 115 | 118 |
| Cochise | 1,835 | 230 | 122 | 140 | 123 | 117 | 118 | 130 | 148 | 154 | 166 | 179 | 208 |
| Coconino | 1,175 | 143 | 95 | 76 | 60 | 93 | 85 | 78 | 97 | 95 | 108 | 123 | 122 |
| Gila | 1,053 | 116 | 79 | 67 | 67 | 72 | 68 | 87 | 99 | 78 | 87 | 115 | 118 |
| Graham | 489 | 54 | 33 | 30 | 34 | 35 | 30 | 34 | 44 | 38 | 58 | 46 | 53 |
| Greenlee | 100† | 7 | 7 | * | 8 | * | 10 | * | 7 | 8 | * | 20 | 10 |
| La Paz | 419 | 59 | 38 | 25 | 30 | 21 | 37 | 27 | 27 | 45 | 29 | 34 | 47 |
| Maricopa | 43,947 | 5,389 | 3,593 | 3,275 | 2,917 | 3,225 | 3,098 | 3,080 | 3,662 | 3,805 | 3,724 | 3,784 | 4,395 |
| Mohave | 4,587 | 519 | 338 | 348 | 318 | 310 | 332 | 391 | 401 | 361 | 399 | 382 | 488 |
| Navajo | 1,848 | 205 | 163 | 126 | 118 | 124 | 110 | 139 | 143 | 151 | 155 | 193 | 221 |
| Pima | 12,821 | 1,650 | 1,033 | 933 | 935 | 868 | 936 | 948 | 994 | 1,038 | 1,016 | 1,175 | 1,295 |
| Pinal | 4,936 | 646 | 402 | 369 | 326 | 317 | 330 | 353 | 410 | 408 | 430 | 447 | 498 |
| Santa Cruz | 428 | 64 | 36 | 46 | 28 | 27 | 26 | 32 | 29 | 35 | 31 | 42 | 32 |
| Yavapai | 4,117 | 460 | 300 | 291 | 255 | 291 | 285 | 276 | 375 | 334 | 342 | 448 | 460 |
| Yuma | 2,214 | 309 | 197 | 189 | 147 | 153 | 136 | 142 | 164 | 186 | 160 | 203 | 228 |
| Unknown | 308 | 34 | 18 | 19 | 22 | 23 | 20 | 37 | 29 | 25 | 30 | 22 | 29 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5E-8
NUMBER OF DEATHS BY COUNTY OF RESIDENCE AND DECEDENT STATUS, ARIZONA, 2021**

| | IN HOSPITAL | | | | | | NOT IN HOSPITAL | | | | TOTAL |
|-------------------|-------------|--------------------------|-----------------|----------------|----------|---------------------------|-----------------|--------------------|----------|---------|-------|
| | In-patient | Out-patient ^a | Died on arrival | Status unknown | Subtotal | Nursing home ^b | Residence | Other ^c | Subtotal | | |
| ARIZONA | 25,290 | 4,300+ | 20+ | 27,389 | 57,003 | 5,770+ | 8,350+ | 10,355 | 24,479 | 81,482 | |
| Apache | 568 | 72 | 7 | 292 | 939 | 25 | 72 | 173 | 270 | 1,209 | |
| Cochise | 570 | 142 | 0 | 722 | 1,434 | 89 | 176 | 136 | 401 | 1,835 | |
| Coconino | 384 | 48 | * | 441 | 870+ | 66 | 87 | 148 | 301 | 1,180+ | |
| Gila | 351 | 35 | * | 376 | 760+ | 78 | 121 | 91 | 290 | 1,050+ | |
| Graham | 144 | 23 | 0 | 205 | 372 | 12 | 54 | 51 | 117 | 489 | |
| Greenlee | 33 | * | 0 | 35 | 70+ | * | * | 16 | 20+ | 100+ | |
| La Paz | 139 | 17 | * | 181 | 340+ | 17 | 15 | 49 | 81 | 420+ | |
| Maricopa | 13,888 | 2,554 | 10 | 13,032 | 29,484 | 3,593 | 4,597 | 6,273 | 14,463 | 43,947 | |
| Mohave | 1,335 | 220 | 0 | 2,072 | 3,627 | 288 | 334 | 338 | 960 | 4,587 | |
| Navajo | 663 | 112 | 0 | 632 | 1,407 | 47 | 157 | 237 | 441 | 1,848 | |
| Pima | 3,442 | 469 | * | 4,724 | 8,640+ | 1,022 | 1,671 | 1,491 | 4,184 | 12,820+ | |
| Pinal | 1,685 | 262 | 0 | 1,836 | 3,783 | 291 | 356 | 506 | 1,153 | 4,936 | |
| Santa Cruz | 147 | 14 | 0 | 171 | 332 | 21 | 36 | 39 | 96 | 428 | |
| Yavapai | 1,038 | 140 | 0 | 1,803 | 2,981 | 187 | 531 | 418 | 1,136 | 4,117 | |
| Yuma | 782 | 155 | 0 | 859 | 1,796 | 23 | 123 | 272 | 418 | 2,214 | |
| Unknown | 121 | 35 | 0 | 8 | 164 | 8 | 19 | 117 | 144 | 308 | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes Emergency Room; ^b Includes other long-term care facilities; ^c Includes hospices.

**TABLE 5E-9
BODY DISPOSITION BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| ARIZONA | | | | | | | | | | | |
| Burial | 13,699 | 13,423 | 13,356 | 13,044 | 13,397 | 13,734 | 13,290 | 13,227 | 12,931 | 16,850 | 17,779 |
| Cremation | 30,152 | 31,060 | 32,128 | 33,736 | 36,200 | 38,013 | 39,148 | 40,545 | 41,442 | 54,180 | 58,838 |
| Other | 3,696 | 3,976 | 4,445 | 4,294 | 4,555 | 4,733 | 4,823 | 5,434 | 5,788 | 4,670 | 4,865 |
| TOTAL | 47,547 | 48,459 | 49,929 | 51,074 | 54,152 | 56,480 | 57,261 | 59,206 | 60,161 | 75,700 | 81,482 |
| Apache | | | | | | | | | | | |
| Burial | 454 | 347 | 425 | 431 | 497 | 470 | 484 | 506 | 524 | 911 | 855 |
| Cremation | 92 | 96 | 103 | 118 | 118 | 120 | 142 | 139 | 152 | 214 | 297 |
| Other | 38 | 28 | 79 | 52 | 31 | 63 | 63 | 47 | 58 | 40 | 57 |
| TOTAL | 584 | 471 | 607 | 601 | 646 | 653 | 689 | 692 | 734 | 1,165 | 1,209 |
| Cochise | | | | | | | | | | | |
| Burial | 307 | 328 | 322 | 277 | 334 | 304 | 285 | 268 | 254 | 314 | 326 |
| Cremation | 827 | 805 | 877 | 882 | 914 | 981 | 994 | 1,015 | 1,082 | 1,259 | 1,426 |
| Other | 49 | 71 | 67 | 42 | 57 | 57 | 65 | 77 | 68 | 64 | 83 |
| TOTAL | 1,183 | 1,204 | 1,266 | 1,201 | 1,305 | 1,342 | 1,344 | 1,360 | 1,404 | 1,637 | 1,835 |
| Coconino | | | | | | | | | | | |
| Burial | 340 | 307 | 311 | 306 | 345 | 368 | 368 | 357 | 337 | 528 | 549 |
| Cremation | 355 | 379 | 348 | 387 | 442 | 454 | 462 | 472 | 445 | 584 | 585 |
| Other | 27 | 21 | 43 | 39 | 27 | 35 | 29 | 29 | 48 | 37 | 41 |
| TOTAL | 722 | 707 | 702 | 732 | 814 | 857 | 859 | 858 | 830 | 1,149 | 1,175 |
| Gila | | | | | | | | | | | |
| Burial | 241 | 226 | 226 | 224 | 259 | 255 | 219 | 189 | 225 | 312 | 275 |
| Cremation | 388 | 359 | 371 | 423 | 460 | 480 | 434 | 482 | 500 | 581 | 700 |
| Other | 53 | 70 | 99 | 100 | 95 | 97 | 70 | 83 | 92 | 82 | 78 |
| TOTAL | 682 | 655 | 696 | 747 | 814 | 832 | 723 | 754 | 817 | 975 | 1,053 |
| Graham | | | | | | | | | | | |
| Burial | 146 | 165 | 169 | 133 | 145 | 151 | 158 | 183 | 128 | 184 | 239 |
| Cremation | 88 | 119 | 97 | 136 | 99 | 118 | 129 | 133 | 141 | 188 | 241 |
| Other | 11 | 16 | 9 | 14 | 7 | 9 | 18 | 20 | 18 | 10 | 9 |
| TOTAL | 245 | 300 | 275 | 283 | 251 | 278 | 305 | 336 | 287 | 382 | 489 |
| Greenlee | | | | | | | | | | | |
| Burial | 34 | 33 | 21 | 14 | 31 | 23 | 19 | 26 | 23 | 27 | 30 |
| Cremation | 34 | 29 | 25 | 37 | 34 | 27 | 42 | 39 | 38 | 47 | 62 |
| Other | * | * | 0 | * | * | * | * | * | * | * | * |
| TOTAL | 70† | 60† | 46 | 50† | 70† | 50† | 70† | 70† | 70† | 80† | 100† |
| La Paz | | | | | | | | | | | |
| Burial | 48 | 58 | 58 | 48 | 44 | 52 | 68 | 79 | 63 | 60 | 70 |
| Cremation | 107 | 111 | 142 | 172 | 179 | 178 | 198 | 184 | 184 | 262 | 311 |
| Other | 31 | 56 | 47 | 33 | 31 | 40 | 54 | 54 | 60 | 44 | 38 |
| TOTAL | 186 | 225 | 247 | 253 | 254 | 270 | 320 | 317 | 307 | 366 | 419 |
| Maricopa | | | | | | | | | | | |
| Burial | 7,408 | 7,358 | 7,282 | 7,274 | 7,219 | 7,469 | 7,279 | 7,251 | 7,164 | 8,889 | 9,661 |
| Cremation | 16,006 | 16,235 | 17,221 | 18,097 | 19,245 | 20,348 | 20,950 | 21,908 | 22,246 | 29,309 | 31,600 |
| Other | 2,053 | 2,192 | 2,403 | 2,340 | 2,481 | 2,494 | 2,569 | 2,932 | 3,227 | 2,550 | 2,686 |
| TOTAL | 25,467 | 25,785 | 26,906 | 27,711 | 28,945 | 30,311 | 30,798 | 32,091 | 32,637 | 40,748 | 43,947 |

**TABLE 5E-9 (continued)
BODY DISPOSITION BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Mohave | Burial | 387 | 363 | 345 | 322 | 390 | 378 | 332 | 342 | 276 | 355 | 446 |
| | Cremation | 1,685 | 1,793 | 1,945 | 1,832 | 2,197 | 2,348 | 2,367 | 2,511 | 2,530 | 3,250 | 3,719 |
| | Other | 352 | 326 | 396 | 386 | 437 | 455 | 445 | 534 | 541 | 404 | 422 |
| | TOTAL | 2,424 | 2,482 | 2,686 | 2,540 | 3,024 | 3,181 | 3,144 | 3,387 | 3,347 | 4,009 | 4,587 |
| Navajo | Burial | 506 | 529 | 552 | 513 | 516 | 534 | 572 | 608 | 654 | 1,039 | 947 |
| | Cremation | 347 | 325 | 361 | 378 | 340 | 405 | 406 | 456 | 460 | 644 | 814 |
| | Other | 46 | 43 | 63 | 46 | 51 | 71 | 81 | 73 | 82 | 52 | 87 |
| | TOTAL | 899 | 897 | 976 | 937 | 907 | 1,010 | 1,059 | 1,137 | 1,196 | 1,735 | 1,848 |
| Pima | Burial | 2,084 | 2,007 | 2,017 | 1,894 | 1,964 | 1,944 | 1,794 | 1,860 | 1,752 | 2,223 | 2,280 |
| | Cremation | 5,805 | 6,168 | 5,989 | 6,265 | 6,686 | 6,896 | 7,075 | 7,262 | 7,502 | 9,479 | 9,938 |
| | Other | 503 | 538 | 586 | 566 | 591 | 652 | 658 | 724 | 723 | 588 | 603 |
| | TOTAL | 8,392 | 8,713 | 8,592 | 8,725 | 9,241 | 9,492 | 9,527 | 9,846 | 9,977 | 12,290 | 12,821 |
| Pinal | Burial | 679 | 678 | 638 | 684 | 704 | 693 | 700 | 661 | 691 | 855 | 1,012 |
| | Cremation | 1,478 | 1,515 | 1,578 | 1,708 | 1,979 | 2,023 | 2,128 | 2,171 | 2,303 | 3,116 | 3,613 |
| | Other | 223 | 247 | 241 | 237 | 285 | 275 | 282 | 315 | 340 | 322 | 311 |
| | TOTAL | 2,380 | 2,440 | 2,457 | 2,629 | 2,968 | 2,991 | 3,110 | 3,147 | 3,334 | 4,293 | 4,936 |
| Santa Cruz | Burial | 106 | 111 | 102 | 96 | 84 | 86 | 91 | 82 | 81 | 90 | 78 |
| | Cremation | 125 | 181 | 178 | 170 | 200 | 205 | 193 | 180 | 240 | 360 | 339 |
| | Other | 16 | 11 | 6 | 9 | 10 | 10 | 13 | 16 | 14 | 14 | 11 |
| | TOTAL | 247 | 303 | 286 | 275 | 294 | 301 | 297 | 278 | 335 | 464 | 428 |
| Yavapai | Burial | 438 | 422 | 426 | 391 | 395 | 375 | 384 | 376 | 332 | 400 | 427 |
| | Cremation | 1,845 | 1,949 | 1,970 | 2,075 | 2,172 | 2,231 | 2,388 | 2,353 | 2,362 | 2,972 | 3,361 |
| | Other | 213 | 245 | 328 | 306 | 351 | 349 | 342 | 392 | 377 | 345 | 329 |
| | TOTAL | 2,496 | 2,616 | 2,724 | 2,772 | 2,918 | 2,955 | 3,114 | 3,121 | 3,071 | 3,717 | 4,117 |
| Yuma | Burial | 396 | 366 | 409 | 358 | 381 | 442 | 345 | 378 | 371 | 588 | 518 |
| | Cremation | 888 | 924 | 845 | 954 | 968 | 973 | 1,035 | 1,135 | 1,140 | 1,755 | 1,607 |
| | Other | 66 | 96 | 66 | 113 | 78 | 91 | 111 | 118 | 123 | 100 | 89 |
| | TOTAL | 1,350 | 1,386 | 1,320 | 1,425 | 1,427 | 1,506 | 1,491 | 1,631 | 1,634 | 2,443 | 2,214 |
| Unknown | Burial | 125 | 125 | 53 | 79 | 89 | 190 | 192 | 61 | 56 | 75 | 66 |
| | Cremation | 82 | 72 | 78 | 102 | 167 | 226 | 205 | 105 | 117 | 160 | 225 |
| | Other | 12 | 14 | 12 | 10 | 19 | 33 | 19 | 19 | 12 | 17 | 17 |
| | TOTAL | 219 | 211 | 143 | 191 | 275 | 449 | 416 | 185 | 185 | 252 | 308 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5E-10
BODY DISPOSITION BY COUNTY OF OCCURRENCE^a IN ARIZONA IN 2021**

| | Body disposition | | | | | | | | | | | | | | Out-of-state/ Unknown | | |
|--------------------------------------|------------------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|--------|-------|------------|--------------------------|--------|-------|
| | | | | | | | | | | | | | | | | | |
| Total deaths occurring in Arizona | Total | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | |
| | | | | | | | | | | | | | | | | | |
| Body moved outside state | No | | | | | | | | | | | | | | | | |
| | Yes | | | | | | | | | | | | | | | | |
| Total | 85,570 | 610† | 1,300† | 1,389 | 830† | 420† | 50† | 280† | 48,898 | 4,250† | 1,290† | 13,951 | 3,093 | 250† | 3,800 | 2,150† | 3,027 |
| Burial | 18,958 | 407 | 247 | 623 | 201 | 202 | 14 | 39 | 11,250 | 423 | 525 | 2,532 | 654 | 61 | 437 | 497 | 846 |
| Cremation | 60,974 | 180 | 988 | 727 | 561 | 208 | 32 | 215 | 34,770 | 3,422 | 688 | 10,790 | 2,221 | 180 | 3,057 | 1,575 | 1,360 |
| Donated | 4,600† | 19 | 49 | 39 | 55 | 6 | * | 23 | 2,263 | 390 | 66 | 505 | 164 | * | 291 | 72 | 648 |
| Entombment | 580† | 0 | * | 0 | * | 0 | 0 | 0 | 450 | * | * | 64 | 9 | * | 8 | * | 33 |
| Other | 440† | * | 9 | 0 | 6 | * | 0 | * | 156 | 10 | 6 | 60 | 35 | * | 7 | * | 136 |
| Unknown | 30† | 0 | * | 0 | * | 0 | 0 | 0 | 9 | * | 0 | 0 | 10 | 0 | 0 | 0 | * |
| Total | 79,412 | 515 | 1,228 | 1,274 | 810† | 408 | 50† | 269 | 45,994 | 4,060† | 1,260† | 13,323 | 2,936 | 200† | 3,677 | 1,810† | 1,601 |
| Burial | 15,145 | 323 | 194 | 541 | 193 | 194 | 13 | 32 | 8,825 | 282 | 507 | 2,046 | 550 | 36 | 335 | 238 | 836 |
| Cremation | 59,219 | 174 | 985 | 695 | 561 | 208 | 32 | 214 | 34,544 | 3,388 | 685 | 10,719 | 2,209 | 163 | 3,050 | 1,500 | 92 |
| Donated | 4,530† | 18 | 48 | 38 | 55 | 6 | * | 23 | 2,232 | 383 | 66 | 502 | 160 | * | 285 | 71 | 636 |
| Entombment | 490† | 0 | 0 | 0 | * | 0 | 0 | 0 | 384 | * | * | 56 | 7 | 0 | 7 | * | 33 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 30† | 0 | * | 0 | * | 0 | 0 | 0 | 9 | * | 0 | 0 | 10 | 0 | 0 | 0 | * |
| Total | 6,160† | 100† | 70† | 120† | 14 | 10† | 0† | 10† | 2,904 | 190† | 30† | 630† | 160† | 50† | 120† | 340† | 1,426 |
| Burial | 3,810† | 84 | 53 | 82 | 8 | 8 | * | 7 | 2,425 | 141 | 18 | 486 | 104 | 25 | 102 | 259 | 10 |
| Cremation | 1,760† | 6 | * | 32 | 0 | 0 | 0 | * | 226 | 34 | * | 71 | 12 | 17 | 7 | 75 | 1,268 |
| Donated | 70† | * | * | * | 0 | 0 | 0 | 0 | 31 | 7 | 0 | * | * | 0 | 6 | * | 12 |
| Entombment | 80† | 0 | * | 0 | 0 | 0 | 0 | 0 | 66 | * | * | 8 | * | * | * | * | 0 |
| Other | 440† | * | 9 | 0 | 6 | * | 0 | * | 156 | 10 | 6 | 60 | 35 | * | 7 | * | 136 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Resident and non-resident deaths occurring in Arizona.

**TABLE 5E-11 (continued)
AGE-ADJUSTED* MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY GENDER AND AVERAGE AGE AT DEATH
FROM ALL CAUSES BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|--------------------------------------------|--------------------|--------|---------|----------|--------|--------|----------|--------|----------|--------|--------|--------|-------|------------|---------|-------|
| | PER 100,000 MALES: | | | | | | | | | | | | | | | |
| Total, all causes | 1057.1 | 2117.9 | 1139.9 | 1013.0 | 1453.2 | 1293.7 | 1257.4 | 1706.0 | 1009.3 | 1363.4 | 1805.4 | 1043.3 | 982.5 | 852.7 | 1078.3 | 985.1 |
| Cardiovascular disease | 244.8 | 261.9 | 256.6 | 186.0 | 350.2 | 304.8 | 252.7 | 426.0 | 238.9 | 332.0 | 334.2 | 229.1 | 241.5 | 172.3 | 245.5 | 251.6 |
| Diseases of heart | 191.3 | 202.3 | 196.2 | 146.4 | 300.5 | 261.0 | 196.9 | 301.9 | 185.7 | 272.7 | 239.5 | 176.3 | 194.5 | 133.4 | 194.2 | 198.0 |
| Coronary heart disease | 143.3 | 143.0 | 144.6 | 105.7 | 227.8 | 178.1 | 130.5 | 238.2 | 139.6 | 218.6 | 181.2 | 126.0 | 144.2 | 97.2 | 149.3 | 156.6 |
| COVID-19 | 174.0 | 437.0 | 201.6 | 147.3 | 198.2 | 234.6 | 311.1 | 293.3 | 164.5 | 231.6 | 338.1 | 153.2 | 176.8 | 162.9 | 176.7 | 206.3 |
| Malignant neoplasms | 150.3 | 162.0 | 172.8 | 125.6 | 134.3 | 183.6 | 278.7 | 187.2 | 146.9 | 185.0 | 158.1 | 151.6 | 149.2 | 122.2 | 162.5 | 126.4 |
| Lung cancer | 28.9 | 13.6 | 45.7 | 19.1 | 26.4 | 20.4 | 26.5 | 58.9 | 27.9 | 41.0 | 17.7 | 27.1 | 30.2 | 16.7 | 33.1 | 27.3 |
| Prostate cancer | 17.2 | 19.2 | 19.9 | 15.0 | 19.3 | 30.6 | 16.0 | 7.2 | 17.7 | 14.3 | 24.6 | 16.6 | 13.7 | 27.1 | 18.1 | 18.0 |
| Colorectal cancer | 14.6 | 23.5 | 12.5 | 14.6 | 5.7 | 16.1 | 26.5 | 8.4 | 14.3 | 17.5 | 13.0 | 13.3 | 13.3 | 15.6 | 18.8 | 12.3 |
| Malignant melanoma of skin | 3.1 | 2.2 | 0.8 | 1.8 | 3.6 | 0.0 | 0.0 | 0.0 | 3.3 | 4.3 | 4.5 | 3.5 | 3.5 | 0.0 | 1.7 | 1.8 |
| Breast cancer | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 0.3 | 0.7 | 0.0 | 0.5 | 0.4 | 0.0 | 0.7 | 0.0 |
| Accident (unintentional injury) | 108.3 | 352.3 | 81.0 | 140.4 | 161.1 | 141.4 | 91.8 | 190.2 | 101.8 | 108.9 | 237.8 | 112.1 | 82.1 | 98.0 | 103.9 | 89.8 |
| Accidental poisoning | 55.9 | 134.3 | 41.1 | 64.1 | 89.2 | 56.2 | 42.1 | 108.6 | 54.4 | 20.2 | 113.7 | 65.1 | 41.3 | 43.5 | 57.0 | 38.6 |
| Motor vehicle accident | 25.7 | 138.1 | 22.0 | 31.6 | 43.7 | 62.2 | 33.8 | 72.9 | 22.0 | 39.6 | 65.0 | 23.9 | 25.8 | 29.4 | 23.5 | 23.8 |
| Accidental falls | 13.2 | 14.4 | 9.6 | 26.5 | 20.6 | 5.9 | 16.0 | 0.0 | 14.1 | 12.7 | 26.7 | 12.1 | 7.8 | 8.6 | 13.2 | 6.0 |
| Accidental drowning | 2.3 | 8.5 | 0.0 | 3.7 | 1.7 | 0.0 | 0.0 | 0.0 | 2.5 | 5.6 | 0.0 | 1.0 | 1.4 | 4.0 | 0.5 | 2.6 |
| Chronic lower respiratory diseases | 36.4 | 46.3 | 54.3 | 30.6 | 52.7 | 58.4 | 55.8 | 50.5 | 34.1 | 55.5 | 65.7 | 34.0 | 32.4 | 24.8 | 47.9 | 21.5 |
| Cerebrovascular disease | 34.4 | 46.0 | 40.6 | 22.6 | 36.4 | 21.9 | 29.3 | 44.3 | 33.4 | 36.5 | 58.7 | 36.0 | 30.8 | 29.5 | 35.4 | 37.4 |
| Diabetes | 32.6 | 47.2 | 37.6 | 34.6 | 62.4 | 52.4 | 101.3 | 24.5 | 32.2 | 24.8 | 62.1 | 33.9 | 35.5 | 25.0 | 17.2 | 33.7 |
| Intentional self-harm (suicide) | 31.2 | 100.3 | 48.9 | 42.3 | 79.1 | 32.0 | 18.2 | 65.2 | 25.3 | 52.4 | 81.5 | 32.2 | 32.0 | 13.9 | 50.3 | 31.1 |
| Chronic liver disease and cirrhosis | 26.5 | 138.6 | 30.1 | 50.3 | 110.0 | 28.8 | 0.0 | 102.7 | 19.2 | 47.0 | 127.5 | 28.2 | 26.0 | 8.0 | 25.8 | 25.6 |
| Alzheimer's disease | 21.3 | 15.8 | 8.3 | 7.9 | 22.8 | 27.8 | 0.0 | 0.0 | 23.5 | 21.3 | 13.2 | 21.9 | 17.5 | 4.0 | 26.1 | 9.8 |
| Assault (homicide) | 13.2 | 37.7 | 11.9 | 3.2 | 6.6 | 10.7 | 0.0 | 32.4 | 12.7 | 13.9 | 21.7 | 17.8 | 12.2 | 10.2 | 2.9 | 9.7 |
| Parkinson's disease | 13.0 | 9.8 | 8.7 | 14.9 | 10.4 | 8.6 | 0.0 | 0.0 | 14.4 | 10.6 | 9.9 | 14.3 | 9.6 | 3.3 | 14.6 | 6.6 |
| Essential (primary) hypertension | 12.8 | 10.6 | 11.8 | 9.1 | 10.1 | 21.9 | 0.0 | 63.7 | 14.0 | 7.5 | 22.5 | 11.3 | 11.1 | 9.3 | 10.8 | 10.0 |
| Influenza and pneumonia | 12.4 | 32.2 | 18.1 | 6.2 | 5.8 | 10.2 | 16.0 | 28.8 | 12.0 | 13.9 | 23.3 | 11.0 | 12.9 | 4.0 | 12.6 | 14.0 |
| Nephritis | 10.6 | 25.2 | 20.3 | 10.6 | 17.0 | 14.6 | 0.0 | 16.1 | 8.2 | 18.8 | 28.9 | 13.8 | 10.2 | 6.4 | 5.9 | 12.0 |
| Septicemia | 6.1 | 7.2 | 9.8 | 5.0 | 10.2 | 4.3 | 0.0 | 7.2 | 5.0 | 7.4 | 13.8 | 8.3 | 8.2 | 3.2 | 3.9 | 8.0 |
| HIV disease | 2.3 | 16.6 | 1.1 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 4.8 | 1.6 | 2.4 | 0.0 | 0.0 | 0.0 |
| Injury by firearms | 30.9 | 56.5 | 37.1 | 25.6 | 65.8 | 32.0 | 0.0 | 94.6 | 27.6 | 45.5 | 45.6 | 36.2 | 34.2 | 8.2 | 33.8 | 26.0 |
| Drug-induced deaths | 58.3 | 80.9 | 52.0 | 47.3 | 77.1 | 63.1 | 26.5 | 108.6 | 57.4 | 51.4 | 85.3 | 68.6 | 40.0 | 49.9 | 61.5 | 41.5 |
| Opioid-induced deaths | 40.8 | 43.2 | 18.3 | 24.0 | 58.7 | 46.0 | 0.0 | 26.9 | 42.5 | 30.5 | 51.2 | 49.2 | 29.4 | 27.3 | 41.2 | 8.6 |
| Alcohol-induced deaths | 33.6 | 244.6 | 24.8 | 106.1 | 133.5 | 21.0 | 15.6 | 134.7 | 24.5 | 55.6 | 189.8 | 29.2 | 24.8 | 15.2 | 44.7 | 21.4 |
| AVERAGE AGE AT DEATH | 68.8 | 59.7 | 71.1 | 63.5 | 69.8 | 68.0 | 67.7 | 69.1 | 68.3 | 71.3 | 63.8 | 70.0 | 68.3 | 70.4 | 73.5 | 69.1 |
| MEDIAN AGE AT DEATH | 72.0 | 62.0 | 74.0 | 67.0 | 73.0 | 72.0 | 69.0 | 71.0 | 72.0 | 73.0 | 68.0 | 73.0 | 72.0 | 73.0 | 76.0 | 73.0 |

**TABLE 5E-11 (continued)
AGE-ADJUSTED* MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY GENDER AND AVERAGE AGE AT DEATH
FROM ALL CAUSES BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | | | | | | | | | | PER 100,000 FEMALES: | | | | | | | | | |
|--------------------------------------------|---------|---------|----------|-------|--------|----------|--------|----------|--------|--------|----------------------|-------|------------|---------|-------|-------|--|--|--|--|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | | | | | |
| Total, all causes | 721.2 | 1265.5 | 764.6 | 692.5 | 1014.2 | 1097.1 | 682.8 | 1022.8 | 696.9 | 899.8 | 1110.9 | 713.6 | 694.7 | 541.0 | 727.1 | 642.6 | | | | |
| Cardiovascular disease | 166.2 | 184.2 | 187.1 | 118.0 | 240.1 | 240.7 | 97.2 | 191.0 | 165.8 | 204.7 | 203.0 | 163.9 | 153.4 | 128.3 | 159.7 | 141.0 | | | | |
| Diseases of heart | 115.7 | 118.4 | 133.2 | 73.3 | 164.7 | 153.6 | 74.5 | 136.2 | 115.0 | 149.8 | 135.2 | 112.6 | 109.5 | 74.1 | 117.8 | 98.4 | | | | |
| Coronary heart disease | 77.2 | 89.9 | 93.3 | 38.5 | 109.5 | 96.1 | 44.6 | 101.4 | 74.1 | 113.4 | 97.6 | 77.5 | 73.2 | 63.0 | 79.1 | 72.9 | | | | |
| Malignant neoplasms | 116.7 | 116.7 | 127.1 | 109.5 | 104.7 | 162.4 | 102.5 | 206.2 | 116.4 | 146.9 | 129.0 | 115.0 | 108.2 | 89.1 | 119.4 | 95.1 | | | | |
| Lung cancer | 23.2 | 5.6 | 32.0 | 12.9 | 24.0 | 26.9 | 18.9 | 46.1 | 23.5 | 32.8 | 23.1 | 21.8 | 22.4 | 12.1 | 21.6 | 22.0 | | | | |
| Breast cancer | 19.5 | 24.4 | 11.8 | 17.4 | 13.5 | 18.0 | 0.0 | 39.3 | 20.2 | 27.1 | 22.1 | 17.7 | 14.7 | 11.5 | 19.9 | 13.7 | | | | |
| Colorectal cancer | 10.4 | 3.8 | 10.8 | 13.7 | 5.1 | 15.6 | 0.0 | 22.4 | 9.8 | 15.9 | 9.2 | 11.1 | 9.0 | 21.1 | 11.5 | 9.2 | | | | |
| Cervical cancer | 2.5 | 6.5 | 3.3 | 1.0 | 5.1 | 12.9 | 0.0 | 0.0 | 2.3 | 1.1 | 1.0 | 2.7 | 3.6 | 2.9 | 1.3 | 2.8 | | | | |
| Malignant melanoma of skin | 1.7 | 0.0 | 0.9 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.9 | 4.4 | 2.5 | 1.5 | 2.9 | 0.7 | 0.0 | | | | |
| COVID-19 | 103.7 | 273.5 | 126.7 | 106.1 | 140.9 | 188.0 | 176.2 | 145.3 | 97.5 | 140.8 | 200.1 | 87.8 | 120.0 | 94.2 | 89.5 | 121.5 | | | | |
| Accident (unintentional injury) | 47.4 | 100.4 | 44.6 | 45.2 | 105.6 | 75.1 | 73.2 | 54.2 | 43.0 | 50.2 | 96.3 | 54.4 | 45.0 | 20.7 | 56.2 | 52.4 | | | | |
| Accidental poisoning | 19.5 | 19.8 | 19.6 | 13.2 | 48.4 | 19.3 | 73.2 | 0.0 | 17.0 | 6.9 | 33.7 | 26.4 | 21.2 | 18.0 | 28.1 | 28.0 | | | | |
| Motor vehicle accident | 11.2 | 46.8 | 11.5 | 11.9 | 43.7 | 34.3 | 0.0 | 54.2 | 9.3 | 21.5 | 39.9 | 10.0 | 9.1 | 0.0 | 11.0 | 12.5 | | | | |
| Accidental falls | 11.0 | 13.7 | 7.8 | 12.2 | 12.1 | 3.9 | 0.0 | 0.0 | 12.0 | 8.2 | 14.5 | 11.4 | 8.2 | 2.7 | 11.1 | 3.0 | | | | |
| Accidental drowning | 0.9 | 3.8 | 4.3 | 0.0 | 0.0 | 4.2 | 0.0 | 0.0 | 0.9 | 0.0 | 2.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.0 | | | | |
| Chronic lower respiratory diseases | 34.3 | 30.5 | 39.5 | 22.7 | 46.1 | 22.5 | 11.0 | 75.0 | 32.7 | 61.4 | 66.4 | 28.3 | 35.8 | 16.6 | 45.1 | 20.8 | | | | |
| Cerebrovascular disease | 34.0 | 45.4 | 45.1 | 29.3 | 46.8 | 68.1 | 22.6 | 19.3 | 33.2 | 41.3 | 56.6 | 36.3 | 27.8 | 40.8 | 26.4 | 28.1 | | | | |
| Alzheimer's disease | 33.8 | 16.2 | 13.8 | 40.7 | 43.0 | 45.2 | 11.0 | 10.3 | 36.5 | 34.8 | 36.8 | 28.4 | 31.6 | 13.3 | 41.4 | 23.2 | | | | |
| Diabetes | 21.6 | 53.2 | 35.0 | 19.4 | 46.5 | 51.6 | 0.0 | 18.7 | 20.4 | 17.6 | 28.9 | 24.7 | 25.6 | 19.8 | 10.2 | 19.3 | | | | |
| Chronic liver disease and cirrhosis | 17.0 | 91.1 | 16.8 | 51.0 | 91.0 | 20.8 | 0.0 | 83.4 | 12.9 | 28.5 | 69.5 | 17.3 | 13.7 | 0.0 | 19.7 | 13.4 | | | | |
| Essential (primary) hypertension | 11.8 | 10.4 | 6.0 | 9.9 | 25.2 | 13.3 | 0.0 | 32.2 | 13.0 | 7.2 | 8.9 | 11.0 | 10.9 | 13.5 | 9.5 | 9.2 | | | | |
| Intentional self-harm (suicide) | 7.9 | 29.5 | 9.1 | 13.5 | 10.5 | 5.6 | 19.8 | 0.0 | 6.7 | 11.0 | 16.5 | 8.5 | 7.5 | 2.3 | 11.8 | 5.3 | | | | |
| Nephritis | 7.9 | 15.7 | 16.0 | 6.3 | 13.3 | 18.7 | 0.0 | 8.5 | 6.4 | 11.9 | 10.4 | 8.9 | 9.6 | 10.6 | 7.7 | 6.1 | | | | |
| Influenza and pneumonia | 7.7 | 24.9 | 12.2 | 8.8 | 18.2 | 16.8 | 11.0 | 7.0 | 6.8 | 9.3 | 14.0 | 8.0 | 8.9 | 2.3 | 6.7 | 7.5 | | | | |
| Parkinson's disease | 5.8 | 4.8 | 4.4 | 1.5 | 5.4 | 4.2 | 0.0 | 7.0 | 6.5 | 2.4 | 10.8 | 5.4 | 5.2 | 5.7 | 7.2 | 2.9 | | | | |
| Septicemia | 4.8 | 13.2 | 2.4 | 1.0 | 5.7 | 13.3 | 0.0 | 15.6 | 4.5 | 3.6 | 8.7 | 5.7 | 2.0 | 2.9 | 6.7 | 8.7 | | | | |
| Assault (homicide) | 2.9 | 23.2 | 1.9 | 3.5 | 0.0 | 0.0 | 0.0 | 8.1 | 2.7 | 1.8 | 4.4 | 3.1 | 4.3 | 2.3 | 0.3 | 2.0 | | | | |
| HIV disease | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 0.2 | 0.5 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.8 | | | | |
| Injury by firearms | 5.7 | 9.7 | 5.9 | 5.5 | 3.4 | 5.6 | 0.0 | 0.0 | 5.2 | 6.3 | 3.2 | 7.4 | 7.6 | 4.6 | 8.2 | 1.5 | | | | |
| Drug-induced deaths | 22.5 | 13.3 | 19.6 | 18.0 | 48.4 | 19.3 | 73.2 | 0.0 | 20.0 | 22.6 | 34.6 | 28.6 | 24.4 | 18.0 | 32.8 | 30.9 | | | | |
| Opioid-induced deaths | 15.6 | 11.4 | 9.4 | 11.4 | 46.5 | 14.8 | 46.7 | 0.0 | 14.1 | 17.1 | 17.7 | 21.0 | 17.8 | 18.0 | 27.1 | 3.4 | | | | |
| Alcohol-induced deaths | 15.4 | 91.0 | 5.4 | 56.1 | 91.0 | 16.2 | 0.0 | 66.9 | 11.8 | 26.2 | 80.6 | 11.7 | 12.4 | 0.0 | 22.0 | 11.1 | | | | |
| AVERAGE AGE AT DEATH | 74.2 | 67.4 | 74.5 | 70.7 | 72.6 | 72.4 | 72.1 | 70.6 | 74.3 | 74.8 | 69.4 | 75.6 | 72.1 | 75.5 | 77.4 | 72.2 | | | | |
| MEDIAN AGE AT DEATH | 77.0 | 72.0 | 77.0 | 74.5 | 75.0 | 75.0 | 72.0 | 73.0 | 78.0 | 77.0 | 72.0 | 79.0 | 75.0 | 80.0 | 80.0 | 75.0 | | | | |

Notes: * Adjusted to the 2000 standard U.S. population; All rates are per 100,000 resident population; The rates based on fewer than 10 deaths (see Table 5E-12) are not statistically reliable.

TABLE 5E-12 DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown | TOTAL DEATHS, BOTH GENDERS | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|------|---------|----------------------------|-------|-------|-------|-------|-----|----|-----|--------|-------|-------|--------|-------|-----|-------|-------|-----|
| | | | | | | | | | | | | | | | | | | 81,482 | 1,209 | 1,835 | 1,175 | 1,053 | 489 | 96 | 419 | 43,947 | 4,587 | 1,848 | 12,821 | 4,936 | 428 | 4,117 | 2,214 | 308 |
| Total, all causes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salmonella infections | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | * | 0 | 0 | | | | | | | | | | | | | | | | | |
| Shigellosis and amebiasis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Certain other intestinal infections | 240† | * | * | * | * | * | * | 0 | 122 | 15 | 7 | 34 | 19 | * | 13 | 10 | * | | | | | | | | | | | | | | | | | |
| Enterocolitis due to Clostridium difficile | 150† | * | * | * | * | * | * | 0 | 75 | 9 | * | 20 | 13 | * | 9 | 7 | * | | | | | | | | | | | | | | | | | |
| Tuberculosis | 20† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | * | 0 | * | * | 0 | 0 | * | 0 | | | | | | | | | | | | | | | | | |
| Respiratory tuberculosis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | * | 0 | | | | | | | | | | | | | | | | | |
| Other tuberculosis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Whooping cough | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Scarlet fever and erysipelas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Meningococcal infection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Septicemia | 510† | 7 | 12 | * | 6 | * | 0 | * | 250 | 24 | 13 | 103 | 29 | * | 19 | 24 | 8 | | | | | | | | | | | | | | | | | |
| Syphilis | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Acute poliomyelitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Arthropod-borne encephalitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Measles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Viral hepatitis | 80† | * | * | * | * | 0 | 0 | 0 | 46 | * | * | 15 | * | 0 | * | * | * | | | | | | | | | | | | | | | | | |
| Human immunodeficiency virus (HIV) disease | 90† | * | * | * | * | 0 | 0 | * | 60 | * | * | 11 | 6 | 0 | 0 | * | * | | | | | | | | | | | | | | | | | |
| Malaria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Other and unspecified infectious and parasitic diseases | 500† | 6 | 7 | * | 7 | * | * | * | 326 | 17 | 8 | 58 | 35 | * | 14 | 14 | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasms | 12,810 | 104 | 316 | 172 | 125 | 71 | 17 | 72 | 6,962 | 745 | 216 | 2,049 | 811 | 67 | 733 | 316 | 34 | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of lip, oral cavity and pharynx | 230† | * | 7 | * | 0 | * | 0 | * | 122 | 13 | * | 33 | 15 | * | 11 | 8 | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of esophagus | 360† | * | 7 | * | * | 0 | 0 | 0 | 196 | 22 | 9 | 58 | 25 | * | 26 | 7 | 0 | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of stomach | 230† | 7 | * | 8 | * | * | 0 | 0 | 133 | * | 6 | 34 | 18 | * | 10 | * | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of colon, rectum and anus | 1,160† | 10 | 26 | 20 | * | 6 | * | * | 628 | 73 | 16 | 181 | 67 | 12 | 73 | 33 | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of liver and intrahepatic bile ducts | 570† | * | 17 | 11 | 8 | 7 | * | 0 | 288 | 24 | 10 | 109 | 41 | * | 31 | 17 | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of pancreas | 980† | 8 | 21 | 16 | 17 | 6 | * | 8 | 543 | 53 | 14 | 151 | 73 | * | 56 | 11 | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of larynx | 60† | 0 | 0 | * | 0 | 0 | 0 | 0 | 29 | 7 | * | 12 | 6 | 0 | * | * | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of trachea, bronchus and lung | 2,600† | 6 | 84 | 25 | 30 | 10 | * | 22 | 1,389 | 183 | 36 | 392 | 179 | 8 | 151 | 72 | 6 | | | | | | | | | | | | | | | | | |
| Malignant melanoma of skin | 220† | * | * | * | * | 0 | 0 | 0 | 126 | 9 | 6 | 41 | 14 | * | 7 | * | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of breast | 970† | 9 | 12 | 13 | 8 | * | 0 | 7 | 567 | 61 | 17 | 148 | 47 | * | 52 | 20 | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of cervix uteri | 100† | * | * | * | * | * | 0 | 0 | 55 | * | * | 17 | 7 | * | * | * | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of corpus uteri and uterus, part unspecified | 230† | * | * | * | * | * | 0 | 0 | 141 | 11 | * | 38 | 13 | * | 10 | * | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of ovary | 300† | * | 6 | 6 | * | * | * | * | 170 | 16 | * | 44 | 16 | * | 17 | 10 | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of prostate | 780† | 7 | 21 | 10 | 11 | 6 | * | * | 423 | 36 | 16 | 122 | 42 | 8 | 46 | 27 | * | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of kidney and renal pelvis | 320† | * | * | 6 | * | 0 | * | * | 167 | 21 | 11 | 53 | 21 | * | 17 | 7 | 0 | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of bladder | 420† | * | 15 | * | * | * | 0 | * | 223 | 33 | * | 69 | 30 | * | 26 | 8 | 0 | | | | | | | | | | | | | | | | | |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | TOTAL DEATHS, BOTH GENDERS | | | | | | | | | | | | | | Unknown | |
|------------------------------------------------------------------------------------------|---------|----------------------------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|---------|------|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | | Yuma |
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 400† | * | 7 | 7 | * | * | 0 | * | 236 | 15 | 6 | 57 | 21 | 0 | 24 | 12 | * |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 1,270† | 15 | 24 | 11 | 13 | * | * | 7 | 706 | 56 | 18 | 216 | 70 | 9 | 87 | 26 | * |
| Hodgkin's disease | 30† | * | 0 | 0 | * | 0 | 0 | 0 | 17 | 0 | 0 | * | 0 | 0 | * | 0 | 0 |
| Non-Hodgkin's lymphoma | 430† | 8 | 8 | 6 | * | * | 0 | * | 240 | 24 | 6 | 64 | 27 | 6 | 24 | 9 | * |
| Leukemia | 560† | * | 7 | * | * | * | * | * | 302 | 23 | 9 | 105 | 30 | * | 49 | 13 | * |
| Multiple myeloma and immunoproliferative neoplasms | 250† | * | 9 | * | * | * | * | 0 | 146 | 9 | * | 42 | 13 | * | 11 | * | * |
| Other and unspecified malignant neoplasms of lymphoid tissue | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | * | 0 | 0 |
| All other and unspecified malignant neoplasm | 1,610† | 18 | 55 | 17 | 17 | 15 | * | 15 | 820 | 104 | 33 | 274 | 106 | * | 81 | 47 | * |
| In situ neoplasms | 420† | * | 6 | * | 12 | 0 | 0 | 0 | 249 | 19 | * | 82 | 22 | * | 13 | 8 | 0 |
| Anemias | 80† | 0 | * | * | 0 | 0 | 0 | 0 | 36 | * | * | 19 | 6 | 0 | * | * | 0 |
| Diabetes | 2,560† | 41 | 70 | 37 | 48 | 22 | * | 11 | 1,385 | 89 | 66 | 432 | 185 | 14 | 68 | 77 | 7 |
| Nutritional deficiencies | 740† | 8 | 19 | 16 | 14 | * | 0 | * | 253 | 90 | 39 | 112 | 24 | * | 144 | 14 | * |
| Malnutrition | 700† | 8 | 18 | 6 | 14 | * | 0 | * | 248 | 89 | 32 | 111 | 20 | * | 135 | 14 | * |
| Other nutritional deficiencies | 40† | 0 | * | 10 | 0 | 0 | 0 | 0 | * | * | 7 | * | * | 0 | 9 | 0 | 0 |
| Obesity | 300† | * | 8 | * | * | * | 0 | * | 182 | 12 | 7 | 44 | 15 | * | 10 | * | 0 |
| Meningitis | 30† | * | 0 | * | 0 | 0 | 0 | 0 | 20 | * | 0 | * | * | 0 | * | 0 | 0 |
| Parkinson's disease | 890† | * | 14 | 10 | 9 | * | 0 | * | 528 | 32 | 14 | 151 | 47 | * | 58 | 16 | 0 |
| Alzheimer's disease | 2,750† | 12 | 24 | 33 | 37 | 15 | * | * | 1,636 | 132 | 34 | 426 | 150 | 6 | 182 | 59 | * |
| Major cardiovascular diseases | 19,581 | 167 | 450 | 203 | 290 | 112 | 17 | 111 | 10,616 | 1,210 | 347 | 3,069 | 1,218 | 97 | 1,019 | 586 | 69 |
| Diseases of heart | 14,536 | 119 | 331 | 146 | 224 | 85 | 14 | 84 | 7,831 | 952 | 240 | 2,243 | 937 | 65 | 778 | 437 | 50 |
| Acute rheumatic fever and chronic rheumatic heart disease | 100† | 0 | * | * | * | * | 0 | * | 54 | * | * | 11 | 8 | 0 | 9 | * | 0 |
| Hypertensive heart disease | 1,940† | 11 | 40 | 13 | 47 | 15 | * | 7 | 1,077 | 54 | 13 | 320 | 187 | 11 | 114 | 28 | * |
| Hypertensive heart and renal disease | 240† | * | * | * | 0 | * | 0 | 0 | 143 | 10 | * | 47 | 20 | * | * | * | * |
| Ischemic heart disease | 8,491 | 77 | 201 | 83 | 122 | 41 | 6 | 55 | 4,457 | 689 | 167 | 1,269 | 487 | 40 | 456 | 308 | 33 |
| Acute myocardial infarction | 2,000† | 30 | 52 | 20 | 29 | 11 | * | 13 | 932 | 93 | 53 | 380 | 101 | 14 | 83 | 179 | 8 |
| Other acute ischemic heart disease | 100† | * | * | * | 0 | 0 | 0 | 0 | 42 | * | * | 24 | 6 | * | * | 14 | * |
| Other forms of chronic ischemic heart disease | 6,390† | 46 | 146 | 62 | 93 | 30 | * | 42 | 3,483 | 594 | 109 | 865 | 380 | 25 | 369 | 115 | 24 |
| Atherosclerotic cardiovascular disease | 1,760† | 7 | 30 | * | 16 | 10 | * | 11 | 987 | 281 | 9 | 195 | 81 | 0 | 104 | * | 14 |
| All other forms of chronic ischemic heart disease | 4,630† | 39 | 116 | 57 | 77 | 20 | * | 31 | 2,496 | 313 | 100 | 670 | 299 | 25 | 265 | 112 | 10 |
| Other heart diseases | 3,760† | 30 | 82 | 46 | 53 | 27 | * | 20 | 2,100 | 195 | 58 | 596 | 235 | 12 | 196 | 96 | 13 |
| Acute and subacute endocarditis | 40† | 0 | 0 | * | 0 | 0 | 0 | 0 | 17 | * | 0 | 10 | * | 0 | * | * | 0 |
| Diseases of pericardium and acute myocarditis | 20† | * | 0 | 0 | 0 | 0 | 0 | 0 | 17 | * | 0 | 0 | * | 0 | * | 0 | 0 |
| Heart failure | 1,000† | 12 | 30 | 11 | 19 | 10 | * | * | 487 | 78 | 26 | 158 | 84 | * | 44 | 26 | * |
| All other forms of heart disease | 2,710† | 17 | 52 | 34 | 34 | 17 | * | 15 | 1,579 | 113 | 32 | 428 | 148 | 9 | 148 | 69 | 10 |
| Essential (primary) hypertension and hypertensive renal disease | 1,200 | 8 | 18 | 14 | 18 | 7 | 0 | 13 | 725 | 38 | 20 | 174 | 70 | 8 | 55 | 29 | * |
| Cerebrovascular diseases | 3,320† | 34 | 90 | 33 | 44 | 19 | * | 10 | 1,781 | 174 | 77 | 579 | 178 | 24 | 158 | 100 | 16 |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | | | | | | | | | | TOTAL DEATHS, BOTH GENDERS | | | | | | | | | |
|------------------------------------------------------------------------------------------|---------|---------|----------|------|--------|----------|--------|----------|--------|--------|----------------------------|-------|------------|---------|------|---------|--|--|--|--|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown | | | | |
| Atherosclerosis | 100† | 0 | * | * | * | 0 | 0 | * | 37 | 19 | * | 10 | * | 0 | * | 0 | | | | |
| Other diseases of circulatory system | 430† | 6 | 7 | 8 | * | * | * | 242 | 27 | 8 | 63 | 29 | 0 | 23 | 9 | 0 | | | | |
| Aortic aneurysm and dissection | 210† | * | * | 6 | 0 | 0 | 0 | 121 | 13 | * | 31 | 15 | 0 | 13 | * | 0 | | | | |
| Other disease of arteries, arterioles and capillaries | 220† | * | * | * | * | * | * | 121 | 14 | * | 32 | 14 | 0 | 10 | 8 | 0 | | | | |
| Other disorders of circulatory system | 150† | * | * | * | * | * | * | 83 | 10 | 0 | 19 | 8 | 0 | 12 | * | 0 | | | | |
| Influenza and pneumonia | 930† | 20 | 28 | 11 | 9 | 6 | 9 | 484 | 50 | 23 | 141 | 65 | * | 46 | 33 | * | | | | |
| Influenza | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | | | | |
| Pneumonia | 920† | 20 | 28 | 11 | 9 | 6 | 9 | 476 | 50 | 23 | 140 | 65 | * | 46 | 33 | * | | | | |
| COVID-19 | 12,693 | 270 | 310 | 180 | 157 | 88 | 25 | 6,737 | 755 | 367 | 1,745 | 879 | 79 | 596 | 400 | 39 | | | | |
| Other acute lower respiratory infections | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | 0 | 0 | 0 | 0 | 0 | | | | |
| Acute bronchiolitis | 0† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | 0 | 0 | 0 | 0 | 0 | | | | |
| Unspecified acute lower respiratory infection | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Chronic lower respiratory diseases | 3,520† | 32 | 98 | 38 | 56 | 16 | 27 | 1,799 | 284 | 95 | 503 | 225 | 13 | 256 | 70 | * | | | | |
| Bronchitis, chronic and unspecified | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | 0 | 0 | 0 | * | 0 | 0 | | | | |
| Emphysema | 190† | * | 7 | * | * | * | 0 | 96 | 21 | * | 28 | 6 | 0 | 14 | 6 | 0 | | | | |
| Asthma | 90† | 0 | * | * | * | 0 | 0 | 49 | * | * | 19 | 6 | 0 | * | 0 | 0 | | | | |
| Other chronic lower respiratory diseases | 3,240† | 30 | 90 | 35 | 53 | 15 | 25 | 1,650 | 259 | 91 | 456 | 213 | 13 | 237 | 64 | * | | | | |
| Pneumoconioses and chemical effects | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | * | * | * | 0 | * | 0 | 0 | | | | |
| Pneumonitis due to solids and liquids | 220† | * | * | * | * | * | 0 | 127 | 9 | * | 35 | 14 | 0 | * | 6 | * | | | | |
| Other disease of respiratory system | 1,060† | 19 | 26 | 17 | 7 | 6 | 6 | 560 | 49 | 18 | 190 | 63 | 10 | 57 | 31 | * | | | | |
| Peptic ulcer | 130† | * | * | * | * | 0 | 0 | 66 | * | * | 23 | 7 | * | * | * | * | | | | |
| Diseases of appendix | 20† | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | * | * | 0 | * | 0 | 0 | | | | |
| Hernia | 50† | * | * | * | 0 | 0 | 0 | 24 | * | * | 7 | * | * | * | 0 | 0 | | | | |
| Chronic liver disease and cirrhosis | 1,770† | 72 | 39 | 65 | 53 | 10 | 18 | 788 | 119 | 103 | 277 | 107 | * | 73 | 42 | * | | | | |
| Alcoholic liver disease | 1,130† | 52 | 13 | 61 | 39 | * | 10 | 507 | 77 | 79 | 144 | 55 | * | 52 | 26 | * | | | | |
| Other chronic liver disease and cirrhosis | 650† | 20 | 26 | * | 14 | 6 | 8 | 281 | 42 | 24 | 133 | 52 | 0 | 21 | 16 | 0 | | | | |
| Cholelithiasis and other disorders of gallbladder | 100† | * | * | * | * | 0 | 0 | 48 | 8 | * | 18 | * | 0 | * | * | 0 | | | | |
| Nephritis, nephrotic syndrome and nephrosis | 870† | 15 | 36 | 11 | 15 | 6 | 0 | 380 | 70 | 26 | 174 | 61 | 6 | 37 | 28 | * | | | | |
| Acute and rapidly progressive nephritic and nephrotic syndrome | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | * | 0 | 0 | * | 0 | 0 | | | | |
| Chronic glomerulonephritis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 | | | | |
| Renal failure | 850† | 15 | 36 | 11 | 15 | 6 | 0 | 370 | 68 | 26 | 169 | 58 | 6 | 36 | 28 | * | | | | |
| Others disorders of kidney | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Infections of kidney | 40† | * | 0 | * | 0 | * | 0 | 20 | * | * | * | * | 0 | * | * | * | | | | |
| Hyperplasia of prostate | 20† | 0 | * | 0 | 0 | 0 | * | 6 | * | 0 | * | * | 0 | * | * | 0 | | | | |
| Inflammatory diseases of female pelvic organs | 0† | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | | | | |
| Pregnancy, childbirth and the puerperium | 40† | * | * | * | 0 | 0 | 0 | 20 | * | * | * | 8 | 0 | 0 | 0 | 0 | | | | |
| Pregnancy with abortive outcome | 0† | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | TOTAL DEATHS, BOTH GENDERS | | | | | | | | | | | | | | Unknown | |
|------------------------------------------------------------------------------------------|---------|----------------------------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|-------|------------|---------|---------|------|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | | Yuma |
| Other complications of pregnancy, childbirth and the puerperium | 40+ | * | * | * | 0 | 0 | 0 | 0 | 19 | * | 0 | * | 8 | 0 | 0 | * | 0 |
| Perinatal conditions | 220+ | * | * | * | * | * | 0 | 153 | * | * | * | 23 | 11 | * | * | * | 12 |
| Congenital anomalies, deformations and chromosomal abnormalities | 220+ | * | 6 | * | * | 0 | * | 126 | 9 | * | * | 43 | 13 | 0 | 7 | 7 | 0 |
| Symptoms, signs, abnormal findings | 870+ | 31 | 12 | 18 | 6 | 6 | 6 | 527 | 23 | 12 | 158 | 29 | 7 | 20 | 13 | * | |
| Total accidents | 5,945 | 145 | 90 | 129 | 66 | 43 | 8 | 3,377 | 223 | 172 | 926 | 286 | 28 | 207 | 155 | 70 | |
| Transport accidents | 1,450+ | 60 | 25 | 32 | 20 | 20 | * | 762 | 67 | 59 | 198 | 78 | 7 | 48 | 42 | 23 | |
| Motor vehicle accidents | 1,360+ | 56 | 23 | 31 | 20 | 19 | * | 712 | 62 | 56 | 182 | 77 | 6 | 43 | 39 | 22 | |
| Other land transport accidents | 40+ | * | * | * | 0 | 0 | 0 | 11 | * | * | 8 | 0 | * | * | * | * | |
| Water, air, space | 60+ | 0 | * | 0 | 0 | 0 | 0 | 39 | * | * | 8 | * | 0 | * | * | 0 | |
| Nontransport accidents | 4,493 | 85 | 65 | 97 | 46 | 23 | 6 | 2,615 | 156 | 113 | 728 | 208 | 21 | 159 | 113 | 47 | |
| Falls | 1,150+ | 11 | 19 | 27 | 16 | * | * | 681 | 48 | 25 | 185 | 48 | * | 62 | 14 | * | |
| Accidental discharge of firearms | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | * | 0 | |
| Accidental drowning and submersion | 120+ | * | * | * | * | * | 0 | 74 | * | * | 10 | * | * | * | * | * | |
| Accidental exposure to smoke, fire and flames | 60+ | * | * | * | * | * | 0 | 15 | 7 | * | 13 | * | 0 | * | * | * | |
| Accidental poisoning | 2,650+ | 47 | 36 | 53 | 25 | 15 | * | 1,599 | 25 | 70 | 454 | 129 | 13 | 77 | 62 | 32 | |
| Other and unspecified nontransport accidents | 520+ | 20 | 6 | 10 | * | * | 0 | 243 | 71 | 15 | 64 | 24 | * | 17 | 27 | 6 | |
| Intentional self-harm (suicide) | 1,470+ | 42 | 41 | 42 | 25 | 8 | * | 734 | 77 | 48 | 224 | 93 | * | 78 | 37 | 6 | |
| By discharge of firearms | 880+ | 9 | 24 | 20 | 18 | 7 | 0 | 441 | 52 | 21 | 141 | 62 | * | 54 | 19 | * | |
| By other means | 590+ | 33 | 17 | 22 | 7 | * | * | 293 | 25 | 27 | 83 | 31 | * | 24 | 18 | * | |
| Assault (homicide) | 560+ | 19 | 8 | * | * | * | 0 | 342 | 15 | 12 | 98 | 35 | * | * | 11 | * | |
| By discharge of firearms | 430+ | 10 | 6 | * | * | * | 0 | 276 | 9 | * | 76 | 30 | * | * | 7 | * | |
| By other means | 130+ | 9 | * | * | 0 | * | 0 | 66 | 6 | 8 | 22 | * | * | * | * | * | |
| Legal intervention | 30+ | * | 0 | 0 | * | 0 | 0 | 12 | * | 0 | * | * | 0 | * | 0 | 0 | |
| Events of undetermined intent | 180+ | 9 | 0 | * | * | 0 | 0 | 71 | 47 | * | 26 | * | 0 | 9 | 0 | * | |
| Discharge of firearms | 20+ | * | 0 | 0 | * | 0 | 0 | 12 | * | 0 | * | 0 | 0 | * | 0 | 0 | |
| Other and unspecified events of undetermined intent | 150+ | 8 | 0 | * | * | 0 | 0 | 59 | 46 | * | 21 | * | 0 | 8 | 0 | * | |
| Operations of war | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Complications of medical and surgical care | 140+ | 6 | * | * | * | 0 | 0 | 69 | 9 | * | 23 | 7 | 0 | 9 | 7 | 0 | |
| Injury by firearms | 1,360+ | 22 | 30 | 22 | 21 | 8 | 0 | 744 | 65 | 25 | 229 | 95 | * | 59 | 28 | * | |
| Drug-induced deaths | 2,860+ | 28 | 44 | 46 | 23 | 16 | * | 1,738 | 69 | 56 | 489 | 134 | 15 | 86 | 68 | 33 | |
| Opioid-induced deaths | 1,960+ | 16 | 16 | 27 | 19 | 12 | * | 1,262 | 40 | 29 | 342 | 97 | 9 | 58 | 13 | 19 | |
| Alcohol-induced deaths | 1,890+ | 106 | 23 | 104 | 51 | 8 | * | 861 | 118 | 138 | 234 | 88 | * | 98 | 34 | 8 | |

**TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021**

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | | | | | | | | | | | | MALE DEATHS | | | | | | | | | | | | Unknown |
|------------------------------------------------------------------------------------------|---------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|-------------|---------|-------|-------|-----|--|--|--|--|--|--|--|---------|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | | | | | | | | | | |
| Total, all causes | 45,102 | 716 | 1,055 | 669 | 596 | 253 | 58 | 264 | 23,903 | 2,711 | 1,087 | 6,904 | 2,853 | 243 | 2,290 | 1,296 | 204 | | | | | | | | |
| Salmonella infections | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Shigellosis and amebiasis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Certain other intestinal infections | 110† | * | * | * | * | 0 | * | 0 | 53 | 9 | * | 12 | 12 | * | * | 6 | 0 | | | | | | | | |
| Enterocolitis due to Clostridium difficile | 70† | * | * | * | * | 0 | * | 0 | 39 | * | * | * | 9 | * | * | * | 0 | | | | | | | | |
| Tuberculosis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | 0 | 0 | * | 0 | | | | | | | | |
| Respiratory tuberculosis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | 0 | 0 | * | 0 | | | | | | | | |
| Other tuberculosis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | 0 | 0 | * | 0 | | | | | | | | |
| Whooping cough | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Scarlet fever and erysipelas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Meningococcal infection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Septicemia | 270† | * | 9 | * | * | * | 0 | * | 123 | 15 | 8 | 56 | 24 | * | 7 | 11 | * | | | | | | | | |
| Syphilis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Acute poliomyelitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Arthropod-borne encephalitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Measles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Viral hepatitis | 50† | 0 | * | * | * | 0 | 0 | 0 | 33 | * | * | 10 | * | 0 | * | * | * | | | | | | | | |
| Human immunodeficiency virus (HIV) disease | 80† | * | * | * | * | 0 | 0 | 0 | 54 | 0 | * | 10 | 6 | 0 | 0 | 0 | * | | | | | | | | |
| Malaria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Other and unspecified infectious and parasitic diseases | 290† | * | * | * | * | 0 | 0 | 0 | 197 | 12 | * | 31 | 19 | * | * | 6 | * | | | | | | | | |
| Malignant neoplasms | 6,825 | 56 | 178 | 86 | 71 | 36 | 12 | 41 | 3,606 | 424 | 114 | 1,083 | 464 | 39 | 415 | 179 | 21 | | | | | | | | |
| Malignant neoplasm of lip, oral cavity and pharynx | 170† | * | * | * | 0 | * | 0 | * | 93 | 11 | * | 22 | 12 | * | 6 | 6 | * | | | | | | | | |
| Malignant neoplasm of esophagus | 300† | * | 6 | * | * | 0 | 0 | 0 | 164 | 19 | 7 | 47 | 20 | * | 22 | 6 | 0 | | | | | | | | |
| Malignant neoplasm of stomach | 140† | 6 | * | * | * | 0 | 0 | 0 | 73 | * | * | 24 | 12 | * | 9 | * | * | | | | | | | | |
| Malignant neoplasm of colon, rectum and anus | 640† | 8 | 13 | 10 | * | * | * | * | 347 | 39 | 9 | 92 | 41 | * | 44 | 17 | * | | | | | | | | |
| Malignant neoplasm of liver and intrahepatic bile ducts | 370† | * | 8 | 8 | * | * | * | 0 | 183 | 17 | 6 | 66 | 30 | * | 20 | 9 | * | | | | | | | | |
| Malignant neoplasm of pancreas | 530† | * | 12 | 7 | 11 | * | * | * | 283 | 35 | 6 | 82 | 39 | * | 34 | 6 | * | | | | | | | | |
| Malignant neoplasm of larynx | 50† | 0 | 0 | * | 0 | 0 | 0 | 0 | 23 | 6 | * | 10 | 6 | 0 | * | * | * | | | | | | | | |
| Malignant neoplasm of trachea, bronchus and lung | 1,350† | * | 48 | 14 | 16 | * | * | 15 | 695 | 102 | 15 | 198 | 99 | * | 88 | 39 | * | | | | | | | | |
| Malignant melanoma of skin | 140† | * | * | * | * | 0 | 0 | 0 | 79 | 7 | * | 24 | 10 | 0 | * | * | * | | | | | | | | |
| Malignant neoplasm of breast | 20† | 0 | 0 | 0 | 0 | * | 0 | 0 | 6 | * | 0 | * | * | 0 | * | 0 | 0 | | | | | | | | |
| Malignant neoplasm of prostate | 780† | 7 | 21 | 10 | 11 | 6 | * | * | 423 | 36 | 16 | 122 | 42 | 8 | 46 | 27 | * | | | | | | | | |
| Malignant neoplasm of kidney and renal pelvis | 220† | * | * | * | * | 0 | 0 | 0 | 110 | 13 | * | 40 | 17 | * | 12 | * | 0 | | | | | | | | |
| Malignant neoplasm of bladder | 330† | 0 | 13 | * | * | * | 0 | * | 176 | 27 | * | 52 | 22 | * | 20 | 7 | 0 | | | | | | | | |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | | | | | | | | | | MALE DEATHS | | | | | | | | | |
|------------------------------------------------------------------------------------------|---------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------------|-------|------------|---------|------|---------|----|--|--|--|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown | | | | |
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 230† | 0 | * | * | * | * | * | 137 | 8 | * | 27 | 13 | 0 | 15 | 8 | * | | | | |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 740† | 7 | 11 | 6 | 11 | * | 6 | 397 | 35 | 13 | 137 | 40 | * | 51 | 15 | * | | | | |
| Hodgkin's disease | 10† | 0 | 0 | 0 | * | 0 | 0 | 8 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | | | | |
| Non-Hodgkin's lymphoma | 250† | * | * | * | * | 0 | * | 133 | 13 | * | 41 | 15 | * | 16 | * | 0 | | | | |
| Leukemia | 330† | * | * | * | * | 0 | * | 175 | 15 | 6 | 68 | 14 | * | 28 | 10 | * | | | | |
| Multiple myeloma and immunoproliferative neoplasms | 150† | * | 6 | * | * | * | 0 | 81 | 7 | * | 25 | 11 | * | * | * | 0 | | | | |
| Other and unspecified malignant neoplasms of lymphoid tissue | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | | | | |
| All other and unspecified malignant neoplasm | 840† | 9 | 32 | 7 | 6 | 7 | 8 | 417 | 63 | 20 | 136 | 60 | * | 38 | 29 | * | | | | |
| In situ neoplasms | 230† | * | * | * | 7 | 0 | 0 | 145 | 9 | * | 41 | 12 | 0 | 6 | * | 0 | | | | |
| Anemias | 40† | 0 | * | 0 | 0 | 0 | 0 | 17 | * | * | 6 | * | 0 | 0 | * | 0 | | | | |
| Diabetes | 1,460† | 18 | 38 | 23 | 29 | 10 | 6 | 795 | 52 | 42 | 230 | 105 | 8 | 42 | 48 | 6 | | | | |
| Nutritional deficiencies | 310† | * | 12 | 8 | * | * | 0 | 96 | 40 | 16 | 44 | 7 | * | 66 | * | * | | | | |
| Malnutrition | 290† | * | 11 | * | * | * | 0 | 94 | 39 | 13 | 43 | 6 | * | 62 | * | * | | | | |
| Other nutritional deficiencies | 20† | 0 | * | * | 0 | 0 | 0 | * | * | * | * | * | 0 | * | 0 | 0 | | | | |
| Obesity | 170† | * | * | * | * | * | 0 | 99 | 8 | * | 22 | 10 | 0 | 7 | * | 0 | | | | |
| Meningitis | 20† | * | 0 | * | 0 | 0 | 0 | 12 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | | | | |
| Parkinson's disease | 580† | * | 9 | 9 | 6 | * | 0 | 334 | 26 | 6 | 103 | 30 | * | 37 | 11 | 0 | | | | |
| Alzheimer's disease | 910† | * | 8 | * | 11 | * | 0 | 528 | 48 | 8 | 157 | 53 | * | 63 | 17 | * | | | | |
| Major cardiovascular diseases | 10,749 | 91 | 248 | 120 | 164 | 58 | 11 | 76 | 5,661 | 748 | 200 | 1,606 | 733 | 50 | 577 | 360 | 46 | | | |
| Diseases of heart | 8,386 | 70 | 188 | 93 | 136 | 50 | 9 | 60 | 4,394 | 609 | 141 | 1,234 | 590 | 38 | 455 | 283 | 36 | | | |
| Acute rheumatic fever and chronic rheumatic heart disease | 40† | 0 | * | * | * | * | 0 | 23 | * | 0 | * | * | 0 | * | * | 0 | | | | |
| Hypertensive heart disease | 990† | 6 | 19 | 10 | 25 | 9 | * | 531 | 30 | * | 148 | 120 | 7 | 57 | 12 | * | | | | |
| Hypertensive heart and renal disease | 120† | * | * | * | 0 | * | 0 | 67 | 6 | * | 23 | 14 | * | 0 | * | * | | | | |
| Ischemic heart disease | 5,330† | 44 | 122 | 58 | 83 | 25 | 41 | 2,785 | 454 | 102 | 735 | 320 | 21 | 295 | 210 | 25 | | | | |
| Acute myocardial infarction | 1,280† | 17 | 31 | 15 | 20 | * | 11 | 599 | 66 | 32 | 216 | 71 | 9 | 55 | 126 | 6 | | | | |
| Other acute ischemic heart disease | 60† | 0 | 0 | * | 0 | 0 | 0 | 23 | 0 | * | 17 | * | 0 | * | 10 | 0 | | | | |
| Other forms of chronic ischemic heart disease | 3,980† | 27 | 91 | 42 | 63 | 20 | 30 | 2,163 | 388 | 69 | 502 | 245 | 12 | 236 | 74 | 19 | | | | |
| Atherosclerotic cardiovascular disease | 1,170† | 6 | 17 | * | 13 | 6 | 9 | 647 | 195 | 6 | 124 | 55 | 0 | 75 | * | 11 | | | | |
| All other forms of chronic ischemic heart disease | 2,810† | 21 | 74 | 37 | 50 | 14 | 21 | 1,516 | 193 | 63 | 378 | 190 | 12 | 161 | 73 | 8 | | | | |
| Other heart diseases | 1,910† | 19 | 43 | 23 | 27 | 14 | 12 | 988 | 117 | 33 | 325 | 132 | 9 | 100 | 58 | 8 | | | | |
| Acute and subacute endocarditis | 20† | 0 | 0 | * | 0 | 0 | 0 | 11 | * | 0 | 7 | * | 0 | * | 0 | 0 | | | | |
| Diseases of pericardium and acute myocarditis | 20† | 0 | 0 | 0 | 0 | 0 | 0 | 11 | * | 0 | 0 | 0 | 0 | * | 0 | 0 | | | | |
| Heart failure | 510† | * | 15 | * | 10 | 7 | * | 226 | 52 | 15 | 78 | 45 | * | 25 | 18 | * | | | | |
| All other forms of heart disease | 1,370† | 15 | 28 | 18 | 17 | 7 | 9 | 740 | 61 | 18 | 240 | 86 | 7 | 71 | 40 | 7 | | | | |
| Essential (primary) hypertension and hypertensive renal disease | 570† | * | 11 | 7 | * | * | 0 | 333 | 20 | 14 | 79 | 35 | * | 28 | 15 | * | | | | |
| Cerebrovascular diseases | 1,510† | 16 | 41 | 14 | 21 | * | 6 | 792 | 84 | 37 | 255 | 92 | 9 | 82 | 52 | 8 | | | | |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | | | | | | | | | | MALE DEATHS | | | | | | | | | | Unknown | |
|------------------------------------------------------------------------------------------|---------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------------|-------|------------|---------|------|-----|----|-----|-----|----|---------|----|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | | | | | | | |
| Atherosclerosis | 60+ | 0 | * | 0 | * | 0 | 0 | * | 0 | 0 | 0 | * | 16 | 17 | * | * | 0 | * | 0 | * | 6 | 0 |
| Other diseases of circulatory system | 230+ | * | * | 6 | * | 0 | * | * | 0 | 0 | * | * | 126 | 18 | 6 | 33 | 15 | 0 | 9 | * | * | 0 |
| Aortic aneurysm and dissection | 120+ | 0 | * | * | 0 | 0 | 0 | * | 0 | 0 | 0 | * | 74 | 8 | * | 15 | 8 | 0 | * | * | * | 0 |
| Other disease of arteries, arterioles and capillaries | 110+ | * | * | * | * | * | * | * | * | * | * | * | 52 | 10 | * | 18 | 7 | 0 | * | * | * | 0 |
| Other disorders of circulatory system | 80+ | * | * | * | * | * | * | * | * | * | * | * | 41 | 7 | 0 | 8 | * | 0 | 8 | * | * | 0 |
| Influenza and pneumonia | 550+ | 11 | 17 | * | * | * | * | * | * | * | * | 7 | 289 | 32 | 14 | 77 | 39 | * | 25 | 20 | * | * |
| Influenza | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 |
| Pneumonia | 540+ | 11 | 17 | * | * | * | * | * | * | * | * | 7 | 285 | 32 | 14 | 76 | 39 | * | 25 | 20 | * | * |
| COVID-19 | 7,521 | 157 | 188 | 100 | 90 | 48 | 15 | 44 | 3,956 | 471 | 226 | 1,021 | 521 | 47 | 369 | 242 | 47 | 369 | 242 | 26 | 26 | 26 |
| Other acute lower respiratory infections | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 |
| Acute bronchiolitis | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | * | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 |
| Unspecified acute lower respiratory infection | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chronic lower respiratory diseases | 1,660+ | 18 | 53 | 20 | 28 | 11 | * | 12 | 821 | 132 | 45 | 248 | 104 | 7 | 120 | 35 | * | * | * | * | * | * |
| Bronchitis, chronic and unspecified | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emphysema | 100+ | * | * | * | * | * | 0 | 0 | 50 | 11 | * | 17 | * | 0 | 6 | * | 0 | 0 | 6 | * | * | 0 |
| Asthma | 30+ | 0 | * | * | * | 0 | 0 | 0 | 18 | * | * | * | * | * | * | 0 | 0 | 0 | * | * | 0 | 0 |
| Other chronic lower respiratory diseases | 1,520+ | 17 | 47 | 18 | 27 | 11 | * | 12 | 751 | 119 | 42 | 226 | 100 | 7 | 111 | 31 | * | * | * | * | * | * |
| Pneumoconioses and chemical effects | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pneumonitis due to solids and liquids | 140+ | * | * | * | * | * | 0 | * | 81 | 7 | * | 23 | 6 | 0 | * | * | 0 | 0 | * | * | * | 0 |
| Other disease of respiratory system | 600+ | 14 | 14 | 7 | * | * | 0 | * | 302 | 26 | 11 | 106 | 37 | 7 | 40 | 22 | * | * | * | * | * | * |
| Peptic ulcer | 70+ | * | * | * | 0 | 0 | 0 | * | 39 | * | * | 10 | * | * | * | 0 | * | * | * | * | 0 | * |
| Diseases of appendix | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | * | 0 | 0 | 0 | * | * | 0 | 0 |
| Hernia | 20+ | 0 | 0 | * | 0 | 0 | 0 | * | 8 | * | * | * | * | * | * | 0 | 0 | 0 | * | * | 0 | 0 |
| Chronic liver disease and cirrhosis | 1,060+ | 43 | 26 | 33 | 32 | 6 | 0 | 10 | 456 | 76 | 66 | 168 | 70 | * | 42 | 27 | * | * | * | * | * | * |
| Alcoholic liver disease | 700+ | 34 | 10 | 30 | 22 | * | 0 | * | 312 | 48 | 51 | 98 | 36 | * | 31 | 17 | * | * | * | * | * | * |
| Other chronic liver disease and cirrhosis | 360+ | 9 | 16 | * | 10 | * | 0 | * | 144 | 28 | 15 | 70 | 34 | 0 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cholelithiasis and other disorders of gallbladder | 50+ | * | * | * | 0 | 0 | 0 | 0 | 27 | * | * | 8 | 0 | 0 | * | * | 0 | 0 | * | * | * | 0 |
| Nephritis, nephrotic syndrome and nephrosis | 470+ | 8 | 17 | 7 | 9 | * | 0 | * | 195 | 41 | 20 | 97 | 30 | * | 15 | 18 | * | * | * | * | * | * |
| Acute and rapidly progressive nephritic and nephrotic syndrome | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chronic glomerulonephritis | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renal failure | 460+ | 8 | 17 | 7 | 9 | * | 0 | * | 192 | 40 | 20 | 94 | 28 | * | 15 | 18 | * | * | * | * | * | * |
| Others disorders of kidney | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Infections of kidney | 10+ | * | 0 | * | 0 | 0 | 0 | * | 6 | * | 0 | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 |
| Hyperplasia of prostate | 20+ | 0 | * | 0 | 0 | 0 | 0 | * | 6 | * | 0 | * | * | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|------------------------------------------------------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|-------|------------|---------|------|---------|
| | | | | | | | | | | | | | | | | | |
| Perinatal conditions | 120+ | * | * | * | 0 | 0 | 0 | * | 83 | 0 | * | 16 | * | * | * | 8 | 0 |
| Congenital anomalies, deformations and chromosomal abnormalities | 120+ | * | * | * | * | 0 | 0 | 0 | 68 | 0 | * | 24 | 9 | 0 | * | * | 0 |
| Symptoms, signs, abnormal findings | 440+ | 19 | * | 9 | * | * | 0 | * | 260 | 16 | 7 | 80 | 20 | * | 9 | * | * |
| Total accidents | 4,020+ | 112 | 55 | 98 | 40 | 29 | * | 17 | 2,300 | 153 | 120 | 593 | 189 | 23 | 130 | 102 | 49 |
| Transport accidents | 1,030+ | 47 | 14 | 24 | 13 | 13 | * | 6 | 544 | 46 | 40 | 140 | 60 | 7 | 32 | 31 | 14 |
| Motor vehicle accidents | 950+ | 43 | 12 | 23 | 13 | 13 | * | 6 | 502 | 41 | 37 | 128 | 59 | 6 | 28 | 28 | 13 |
| Other land transport accidents | 30+ | * | * | * | 0 | 0 | 0 | 0 | 9 | * | * | 6 | 0 | * | * | * | * |
| Water, air, space | 50+ | 0 | * | 0 | 0 | 0 | 0 | 0 | 33 | * | * | 6 | * | 0 | * | * | 0 |
| Nontransport accidents | 2,980+ | 65 | 41 | 74 | 27 | 16 | * | 11 | 1,756 | 107 | 80 | 453 | 129 | 16 | 98 | 71 | 35 |
| Falls | 560+ | 6 | 10 | 18 | 8 | * | * | 0 | 321 | 28 | 14 | 84 | 24 | * | 32 | 10 | * |
| Accidental discharge of firearms | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | * | 0 |
| Accidental drowning and submersion | 80+ | * | 0 | * | * | 0 | 0 | 0 | 55 | * | 0 | * | * | * | * | * | * |
| Accidental exposure to smoke, fire and flames | 30+ | * | * | * | * | 0 | 0 | 0 | 10 | * | * | 6 | * | 0 | * | * | 0 |
| Accidental poisoning | 1,960+ | 40 | 25 | 44 | 15 | 12 | * | 9 | 1,216 | 19 | 53 | 318 | 88 | 9 | 52 | 37 | 23 |
| Other and unspecified nontransport accidents | 340+ | 15 | * | 8 | * | * | 0 | * | 153 | 51 | 12 | 39 | 13 | * | 12 | 16 | 6 |
| Intentional self-harm (suicide) | 1,180+ | 33 | 36 | 30 | 21 | 7 | * | 8 | 578 | 64 | 40 | 177 | 78 | * | 66 | 31 | * |
| By discharge of firearms | 760+ | 9 | 22 | 16 | 16 | 6 | 0 | 6 | 379 | 45 | 19 | 113 | 57 | * | 46 | 18 | * |
| By other means | 420+ | 24 | 14 | 14 | * | * | * | * | 199 | 19 | 21 | 64 | 21 | * | 20 | 13 | * |
| Assault (homicide) | 460+ | 12 | 7 | * | * | * | 0 | * | 283 | 13 | 10 | 84 | 26 | * | * | 9 | * |
| By discharge of firearms | 360+ | 7 | * | * | * | * | 0 | * | 230 | 7 | * | 67 | 22 | * | * | 6 | * |
| By other means | 100+ | * | * | * | 0 | * | 0 | * | 53 | 6 | 6 | 17 | * | * | * | * | * |
| Legal intervention | 30+ | * | 0 | 0 | * | 0 | 0 | 0 | 11 | * | 0 | * | * | 0 | * | 0 | 0 |
| Events of undetermined intent | 110+ | 6 | 0 | * | * | 0 | 0 | * | 41 | 34 | * | 12 | 0 | 0 | 7 | 0 | 0 |
| Discharge of firearms | 10+ | * | 0 | 0 | * | 0 | 0 | * | 6 | * | 0 | * | 0 | 0 | * | 0 | 0 |
| Other and unspecified events of undetermined intent | 90+ | * | 0 | * | * | 0 | 0 | 0 | 35 | 33 | * | 9 | 0 | 0 | 6 | 0 | 0 |
| Operations of war | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Complications of medical and surgical care | 70+ | * | * | * | * | 0 | 0 | 0 | 33 | 6 | * | 11 | * | 0 | 7 | * | 0 |
| Injury by firearms | 1,160+ | 19 | 27 | 17 | 19 | 7 | 0 | 9 | 627 | 56 | 23 | 189 | 81 | * | 50 | 26 | * |
| Drug-induced deaths | 2,060+ | 23 | 33 | 34 | 13 | 13 | * | 9 | 1,283 | 49 | 40 | 339 | 87 | 11 | 57 | 40 | 25 |
| Opioid-induced deaths | 1,420+ | 12 | 11 | 19 | 10 | 10 | 0 | * | 945 | 26 | 22 | 236 | 62 | * | 36 | 10 | 13 |
| Alcohol-induced deaths | 1,300+ | 78 | 20 | 68 | 32 | * | * | 10 | 571 | 81 | 98 | 170 | 59 | * | 68 | 23 | 7 |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | FEMALE DEATHS | | | | | | | | | | | | | | Unknown | |
|------------------------------------------------------------------------------------------|---------|---------------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|---------|------|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | | Yuma |
| Total, all causes | 36,369 | 493 | 780 | 506 | 457 | 236 | 38 | 155 | 20,042 | 1,876 | 761 | 5,917 | 2,083 | 185 | 1,827 | 918 | 95 |
| Salmonella infections | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shigellosis and amebiasis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Certain other intestinal infections | 130† | * | * | * | * | * | 0 | 0 | 69 | 6 | * | 22 | 7 | 0 | 8 | * | * |
| Enterocolitis due to Clostridium difficile | 80† | * | * | 0 | * | * | 0 | 0 | 36 | * | * | 15 | * | 0 | * | * | * |
| Tuberculosis | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Respiratory tuberculosis | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other tuberculosis | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Whooping cough | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Scarlet fever and erysipelas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Meningococcal infection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Septicemia | 240† | * | * | * | * | * | 0 | * | 127 | 9 | * | 47 | * | * | 12 | 13 | * |
| Syphilis | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Acute poliomyelitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Arthropod-borne encephalitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Measles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Viral hepatitis | 30† | * | * | * | 0 | 0 | 0 | 0 | 13 | 0 | 0 | * | * | 0 | * | 0 | * |
| Human immunodeficiency virus (HIV) disease | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | 6 | * | 0 | * | 0 | 0 | 0 | * | 0 |
| Malaria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other and unspecified infectious and parasitic diseases | 210† | * | * | * | * | * | * | * | 129 | * | * | 27 | 16 | 0 | 9 | 8 | * |
| Malignant neoplasms | 5,990† | 48 | 138 | 86 | 54 | 35 | * | 31 | 3,356 | 321 | 102 | 966 | 347 | 28 | 318 | 137 | 13 |
| Malignant neoplasm of lip, oral cavity and pharynx | 60† | * | * | * | 0 | 0 | 0 | 0 | 29 | * | 0 | 11 | * | 0 | * | * | 0 |
| Malignant neoplasm of esophagus | 60† | 0 | * | * | 0 | 0 | 0 | 0 | 32 | * | * | 11 | * | 0 | * | * | 0 |
| Malignant neoplasm of stomach | 90† | * | 0 | * | * | * | 0 | 0 | 60 | * | * | 10 | 6 | * | * | * | 0 |
| Malignant neoplasm of colon, rectum and anus | 520† | * | 13 | 10 | * | * | 0 | * | 281 | 34 | 7 | 89 | 26 | 7 | 29 | 16 | * |
| Malignant neoplasm of liver and intrahepatic bile ducts | 210† | * | 9 | * | * | * | 0 | 0 | 105 | 7 | * | 43 | 11 | 0 | 11 | 8 | * |
| Malignant neoplasm of pancreas | 450† | * | 9 | 9 | 6 | * | 0 | * | 260 | 18 | 8 | 69 | 34 | * | 22 | * | * |
| Malignant neoplasm of larynx | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | * | 0 | * | 0 | 0 | * | 0 | 0 |
| Malignant neoplasm of trachea, bronchus and lung | 1,250† | * | 36 | 11 | 14 | 6 | * | 7 | 694 | 81 | 21 | 194 | 80 | * | 63 | 33 | * |
| Malignant melanoma of skin | 80† | 0 | * | * | 0 | 0 | 0 | 0 | 47 | * | * | 17 | * | * | * | 0 | 0 |
| Malignant neoplasm of breast | 960† | 9 | 12 | 13 | 8 | * | 0 | 7 | 561 | 59 | 17 | 144 | 46 | * | 50 | 20 | * |
| Malignant neoplasm of cervix uteri | 100† | * | * | * | * | * | 0 | 0 | 55 | * | * | 17 | 7 | * | * | * | * |
| Malignant neoplasm of corpus uteri and uterus, part unspecified | 230† | * | * | * | * | * | 0 | 0 | 141 | 11 | * | 38 | 13 | * | 10 | * | * |
| Malignant neoplasm of ovary | 300† | * | 6 | 6 | * | * | * | * | 170 | 16 | * | 44 | 16 | * | 17 | 10 | * |
| Malignant neoplasm of kidney and renal pelvis | 100† | 0 | * | * | 0 | 0 | * | * | 57 | 8 | 6 | 13 | * | * | * | * | 0 |
| Malignant neoplasm of bladder | 90† | * | * | * | 0 | 0 | 0 | 0 | 47 | 6 | * | 17 | 8 | * | 6 | * | 0 |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|------------------------------------------------------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|------|---------|
| | | | | | | | | | | | | | | | | | |
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 170+ | * | * | * | * | * | * | * | 99 | 7 | * | 30 | 8 | 0 | 9 | * | 0 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 530+ | 8 | 13 | * | * | * | * | * | 309 | 21 | * | 79 | 30 | * | 36 | 11 | * |
| Hodgkin's disease | 10+ | * | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Non-Hodgkin's lymphoma | 190+ | * | * | * | * | 0 | 0 | * | 107 | 11 | * | 23 | 12 | * | 8 | 7 | * |
| Leukemia | 230+ | * | 6 | 0 | 0 | * | 0 | 0 | 127 | 8 | * | 37 | 16 | * | 21 | * | 0 |
| Multiple myeloma and immunoproliferative neoplasms | 100+ | 0 | * | * | * | * | * | 0 | 65 | * | 0 | 17 | * | 0 | 7 | * | * |
| Other and unspecified malignant neoplasms of lymphoid tissue | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| All other and unspecified malignant neoplasm | 770+ | 9 | 23 | 10 | 11 | 8 | 0 | 7 | 403 | 41 | 13 | 138 | 46 | * | 43 | 18 | * |
| In situ neoplasms | 190+ | * | * | * | * | 0 | 0 | 0 | 104 | 10 | * | 41 | 10 | * | 7 | * | 0 |
| Anemias | 40+ | 0 | * | * | 0 | 0 | 0 | 0 | 19 | * | * | 13 | * | 0 | * | * | 0 |
| Diabetes | 1,100+ | 23 | 32 | 14 | 19 | 12 | 0 | * | 590 | 37 | 24 | 202 | 80 | 6 | 26 | 29 | * |
| Nutritional deficiencies | 440+ | * | 7 | 8 | 9 | 0 | 0 | * | 157 | 50 | 23 | 68 | 17 | * | 78 | 9 | 0 |
| Malnutrition | 420+ | * | 7 | * | 9 | 0 | 0 | * | 154 | 50 | 19 | 68 | 14 | * | 73 | 9 | 0 |
| Other nutritional deficiencies | 20+ | 0 | 0 | * | 0 | 0 | 0 | 0 | * | 0 | * | 0 | * | 0 | * | 0 | 0 |
| Obesity | 130+ | 0 | * | * | * | 0 | 0 | 0 | 83 | * | * | 22 | * | * | * | * | 0 |
| Meningitis | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | * | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Parkinson's disease | 320+ | * | 0 | * | * | * | 0 | * | 194 | 6 | 8 | 48 | 17 | * | 21 | * | 0 |
| Alzheimer's disease | 1,850+ | 7 | 16 | 29 | 26 | 10 | * | * | 1,108 | 84 | 26 | 269 | 97 | * | 119 | 42 | * |
| Major cardiovascular diseases | 8,832 | 76 | 202 | 83 | 126 | 54 | 6 | 35 | 4,955 | 462 | 147 | 1,463 | 485 | 47 | 442 | 226 | 23 |
| Diseases of heart | 6,150+ | 49 | 143 | 53 | 88 | 35 | * | 24 | 3,437 | 343 | 99 | 1,009 | 347 | 27 | 323 | 154 | 14 |
| Acute rheumatic fever and chronic rheumatic heart disease | 60+ | 0 | * | * | * | 0 | 0 | 0 | 31 | * | * | 8 | * | 0 | 6 | 0 | 0 |
| Hypertensive heart disease | 960+ | * | 21 | * | 22 | 6 | * | * | 546 | 24 | 8 | 172 | 67 | * | 57 | 16 | * |
| Hypertensive heart and renal disease | 120+ | 0 | * | * | 0 | 0 | 0 | 0 | 76 | * | 0 | 24 | 6 | * | * | * | 0 |
| Ischemic heart disease | 3,170+ | 33 | 79 | 25 | 39 | 16 | * | 14 | 1,672 | 235 | 65 | 534 | 167 | 19 | 161 | 98 | 8 |
| Acute myocardial infarction | 720+ | 13 | 21 | * | 9 | 6 | * | * | 333 | 27 | 21 | 164 | 30 | * | 28 | 53 | * |
| Other acute ischemic heart disease | 40+ | * | * | 0 | 0 | 0 | 0 | 0 | 19 | * | * | 7 | * | * | 0 | * | * |
| Other forms of chronic ischemic heart disease | 2,402 | 19 | 55 | 20 | 30 | 10 | 0 | 12 | 1,320 | 206 | 40 | 363 | 135 | 13 | 133 | 41 | * |
| Atherosclerotic cardiovascular disease | 580+ | * | 13 | 0 | * | * | 0 | * | 340 | 86 | * | 71 | 26 | 0 | 29 | * | * |
| All other forms of chronic ischemic heart disease | 1,819 | 18 | 42 | 20 | 27 | 6 | 0 | 10 | 980 | 120 | 37 | 292 | 109 | 13 | 104 | 39 | * |
| Other heart diseases | 1,850+ | 11 | 39 | 23 | 26 | 13 | * | 8 | 1,112 | 78 | 25 | 271 | 103 | * | 96 | 38 | * |
| Acute and subacute endocarditis | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | * | * | 0 | 0 | * | 0 |
| Diseases of pericardium and acute myocarditis | 10+ | * | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Heart failure | 490+ | 8 | 15 | 7 | 9 | * | 0 | * | 261 | 26 | 11 | 80 | 39 | * | 19 | 8 | * |
| All other forms of heart disease | 1,340+ | * | 24 | 16 | 17 | 10 | * | 6 | 839 | 52 | 14 | 188 | 62 | * | 77 | 29 | * |
| Essential (primary) hypertension and hypertensive renal disease | 630+ | * | 7 | 7 | 13 | * | 0 | 6 | 392 | 18 | 6 | 95 | 35 | * | 27 | 14 | * |
| Cerebrovascular diseases | 1,810+ | 18 | 49 | 19 | 23 | 15 | * | * | 989 | 90 | 40 | 324 | 86 | 15 | 76 | 48 | 8 |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|------------------------------------------------------------------------------------------|---------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|-------|------------|---------|------|---------|
| | | | | | | | | | | | | | | | | | |
| Atherosclerosis | 40+ | 0 | * | * | * | * | 0 | 0 | 0 | 21 | * | 0 | * | 0 | * | 0 | 0 |
| Other diseases of circulatory system | 200+ | * | * | * | * | * | 0 | 0 | * | 116 | 9 | * | 30 | 14 | 0 | 14 | * |
| Aortic aneurysm and dissection | 90+ | * | * | * | * | * | 0 | 0 | 0 | 47 | * | * | 16 | 7 | 0 | 8 | 0 |
| Other disease of arteries, arterioles and capillaries | 110+ | * | * | * | * | * | 0 | 0 | * | 69 | * | 0 | 14 | 7 | 0 | 6 | * |
| Other disorders of circulatory system | 70+ | * | * | * | * | * | 0 | 0 | * | 42 | * | 0 | 11 | * | 0 | * | 0 |
| Influenza and pneumonia | 390+ | 9 | 11 | 7 | 6 | * | * | * | * | 195 | 18 | 9 | 64 | 26 | * | 21 | 13 |
| Influenza | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pneumonia | 380+ | 9 | 11 | 7 | 6 | * | * | * | * | 191 | 18 | 9 | 64 | 26 | * | 21 | 13 |
| COVID-19 | 5,172 | 113 | 122 | 80 | 67 | 40 | 10 | 22 | 2,781 | 284 | 141 | 724 | 358 | 32 | 227 | 158 | 13 |
| Other acute lower respiratory infections | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Acute bronchiolitis | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unspecified acute lower respiratory infection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chronic lower respiratory diseases | 1,860+ | 14 | 45 | 18 | 28 | * | * | 15 | 978 | 152 | 50 | 255 | 121 | 6 | 136 | 35 | * |
| Bronchitis, chronic and unspecified | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emphysema | 90+ | * | * | * | * | * | 0 | * | 46 | 10 | 0 | 11 | * | 0 | 8 | * | 0 |
| Asthma | 60+ | 0 | 0 | 0 | * | 0 | 0 | 0 | 31 | * | * | 14 | * | 0 | * | 0 | 0 |
| Other chronic lower respiratory diseases | 1,710+ | 13 | 43 | 17 | 26 | * | * | 13 | 899 | 140 | 49 | 230 | 113 | 6 | 126 | 33 | * |
| Pneumoconioses and chemical effects | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 |
| Pneumonitis due to solids and liquids | 80+ | * | * | * | * | * | 0 | 0 | 46 | * | * | 12 | 8 | 0 | * | * | * |
| Other disease of respiratory system | 460+ | * | 12 | 10 | * | * | * | * | 258 | 23 | 7 | 84 | 26 | * | 17 | 9 | 0 |
| Peptic ulcer | 60+ | 0 | * | 0 | * | 0 | 0 | 0 | 27 | * | 0 | 13 | * | 0 | * | * | 0 |
| Diseases of appendix | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | * | 0 | 0 |
| Hernia | 30+ | * | * | 0 | 0 | 0 | 0 | 0 | 16 | * | 0 | * | * | * | 0 | 0 | 0 |
| Chronic liver disease and cirrhosis | 710+ | 29 | 13 | 32 | 21 | * | 0 | 8 | 332 | 43 | 37 | 109 | 37 | 0 | 31 | 15 | 0 |
| Alcoholic liver disease | 420+ | 18 | * | 31 | 17 | * | 0 | * | 195 | 29 | 28 | 46 | 19 | 0 | 21 | 9 | 0 |
| Other chronic liver disease and cirrhosis | 290+ | 11 | 10 | * | * | * | 0 | * | 137 | 14 | 9 | 63 | 18 | 0 | 10 | 6 | 0 |
| Cholelithiasis and other disorders of gallbladder | 50+ | * | * | * | * | * | 0 | 0 | 21 | * | * | 10 | * | 0 | * | * | 0 |
| Nephritis, nephrotic syndrome and nephrosis | 410+ | 7 | 19 | * | 6 | * | 0 | * | 185 | 29 | 6 | 77 | 31 | * | 22 | 10 | 0 |
| Acute and rapidly progressive nephritic and nephrotic syndrome | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | * | 0 | 0 | * | 0 | 0 |
| Chronic glomerulonephritis | 10+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 |
| Renal failure | 390+ | 7 | 19 | * | 6 | * | 0 | * | 178 | 28 | 6 | 75 | 30 | * | 21 | 10 | 0 |
| Others disorders of kidney | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Infections of kidney | 30+ | * | 0 | * | 0 | * | 0 | 0 | 14 | * | * | * | * | 0 | 0 | 0 | 0 |
| Inflammatory diseases of female pelvic organs | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 |
| Pregnancy, childbirth and the puerperium | 40+ | * | * | * | 0 | 0 | 0 | 0 | 20 | * | 0 | * | 8 | 0 | 0 | 0 | 0 |
| Pregnancy with abortive outcome | 0+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2021

| Cause of death (Tenth Revision, International Statistical Classification of Diseases) | ARIZONA | FEMALE DEATHS | | | | | | | | | | Yuma | Unknown | | | | | | | | | | | |
|------------------------------------------------------------------------------------------|---------|---------------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|---------|------|-------|------------|---------|----|----|----|----|----|----|---|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | | | Pima | Pinal | Santa Cruz | Yavapai | | | | | | | |
| Other complications of pregnancy, childbirth and the puerperium | 40† | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | * | 0 | 0 | 0 | 8 | 0 | 0 | * | 0 | | |
| Perinatal conditions | 100† | 0 | 0 | * | * | * | * | * | * | * | * | * | 68 | * | * | * | * | 7 | 6 | 0 | * | * | * | |
| Congenital anomalies, deformations and chromosomal abnormalities | 100† | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 9 | * | * | * | 19 | * | * | * | * | 0 | |
| Symptoms, signs, abnormal findings | 420† | 12 | 7 | 9 | * | * | * | * | * | * | * | * | 267 | 7 | * | * | * | 78 | 9 | * | * | 11 | 8 | * |
| Total accidents | 1,930† | 33 | 35 | 31 | 26 | 14 | * | * | * | * | * | * | 1,077 | 70 | 52 | 333 | 97 | * | * | * | 77 | 53 | 21 | |
| Transport accidents | 420† | 13 | 11 | 8 | 7 | 7 | 0 | * | * | * | * | * | 218 | 21 | 19 | 58 | 18 | 0 | 16 | 11 | 9 | | | |
| Motor vehicle accidents | 410† | 13 | 11 | 8 | 7 | 6 | 0 | * | * | * | * | * | 210 | 21 | 19 | 54 | 18 | 0 | 15 | 11 | 9 | | | |
| Other land transport accidents | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water, air, space | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nontransport accidents | 1,510† | 20 | 24 | 23 | 19 | 7 | * | * | * | * | * | * | 859 | 49 | 33 | 275 | 79 | * | * | * | 61 | 42 | 12 | |
| Falls | 580† | * | 9 | 9 | 8 | * | 0 | 0 | 0 | 0 | 0 | 0 | 360 | 20 | 11 | 101 | 24 | * | * | * | 30 | * | * | |
| Accidental discharge of firearms | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | * | * | 0 | 0 | 0 | 0 | |
| Accidental drowning and submersion | 30† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | * | * | * | * | * | 0 | 0 | 0 | * | |
| Accidental exposure to smoke, fire and flames | 30† | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | * | * | 7 | * | 0 | * | * | * | |
| Accidental poisoning | 690† | 7 | 11 | 9 | 10 | * | * | * | * | * | * | * | 383 | 6 | 17 | 136 | 41 | * | * | 25 | 25 | 25 | 9 | |
| Other and unspecified nontransport accidents | 180† | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 90 | 20 | * | 25 | 11 | 0 | * | * | 11 | 0 | 0 | |
| Intentional self-harm (suicide) | 290† | 9 | * | 12 | * | * | * | * | * | * | * | * | 156 | 13 | 8 | 47 | 15 | * | * | * | 12 | 6 | * | |
| By discharge of firearms | 120† | 0 | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 7 | * | 28 | * | * | * | 8 | * | 0 | 0 | |
| By other means | 170† | 9 | * | 8 | * | 0 | * | 0 | 0 | 0 | 0 | 0 | 94 | 6 | 6 | 19 | 10 | 0 | * | * | * | * | 0 | |
| Assault (homicide) | 100† | 7 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | * | * | 14 | 9 | * | * | * | * | * | 0 | |
| By discharge of firearms | 70† | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | * | 0 | 9 | 8 | * | * | * | * | * | 0 | |
| By other means | 30† | * | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | * | * | * | * | 0 | 0 | * | * | 0 | |
| Legal intervention | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Events of undetermined intent | 70† | * | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 13 | 0 | 14 | * | * | 0 | * | * | 0 | * | |
| Discharge of firearms | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other and unspecified events of undetermined intent | 60† | * | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 13 | 0 | 12 | * | * | 0 | * | 0 | * | 0 | |
| Operations of war | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Complications of medical and surgical care | 70† | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | * | * | 12 | * | * | 0 | * | * | * | 0 | |
| Injury by firearms | 210† | * | * | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 117 | 9 | * | 40 | 14 | * | * | 9 | * | * | 0 | |
| Drug-induced deaths | 800† | * | 11 | 12 | 10 | * | * | * | * | * | * | * | 455 | 20 | 16 | 150 | 47 | * | * | 29 | 28 | 8 | 8 | |
| Opioid-induced deaths | 540† | * | * | 8 | 9 | * | * | * | * | * | * | * | 317 | 14 | 7 | 106 | 35 | * | * | 22 | * | 6 | 6 | |
| Alcohol-induced deaths | 600† | 28 | * | 36 | 19 | * | 0 | 0 | 0 | 0 | 0 | 0 | 290 | 37 | 40 | 64 | 29 | 0 | 30 | 11 | * | * | | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5E-13
RATES^a FOR SELECTED LEADING CAUSES OF DEATH STATEWIDE AND BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|--------------------------------------------|---------|--------|---------|----------|--------|--------|----------|--------|----------|--------|--------|--------|--------|------------|---------|--------|
| Total, all causes | 1118.4 | 1820.5 | 1451.0 | 797.0 | 1967.3 | 1253.0 | 1000.7 | 2491.1 | 975.0 | 2118.4 | 1715.1 | 1211.5 | 1124.0 | 883.1 | 1707.1 | 1067.9 |
| Cardiovascular disease | 268.8 | 251.5 | 355.8 | 137.7 | 541.8 | 287.0 | 177.2 | 659.9 | 235.5 | 558.8 | 322.0 | 290.0 | 277.4 | 200.1 | 422.5 | 282.7 |
| Diseases of heart | 199.5 | 179.2 | 261.7 | 99.0 | 418.5 | 217.8 | 145.9 | 499.4 | 173.7 | 439.7 | 222.7 | 211.9 | 213.4 | 134.1 | 322.6 | 210.8 |
| Coronary heart disease | 143.2 | 132.5 | 190.6 | 65.1 | 315.7 | 143.5 | 93.8 | 368.6 | 122.8 | 343.1 | 167.1 | 150.1 | 153.5 | 105.2 | 236.3 | 162.1 |
| Malignant neoplasms | 175.8 | 156.6 | 249.9 | 116.7 | 233.5 | 181.9 | 177.2 | 428.1 | 154.5 | 344.1 | 200.5 | 193.6 | 184.7 | 138.2 | 303.9 | 152.4 |
| Lung cancer | 35.6 | 9.0 | 66.4 | 17.0 | 56.0 | 25.6 | 20.8 | 130.8 | 30.8 | 84.5 | 33.4 | 37.0 | 40.8 | 16.5 | 62.6 | 34.7 |
| Colorectal cancer | 15.9 | 15.1 | 20.6 | 13.6 | 7.5 | 15.4 | 10.4 | 29.7 | 13.9 | 33.7 | 14.8 | 17.1 | 15.3 | 24.8 | 30.3 | 15.9 |
| Breast cancer | 13.3 | 13.6 | 9.5 | 8.8 | 14.9 | 12.8 | 0.0 | 41.6 | 12.6 | 28.2 | 15.8 | 14.0 | 10.7 | 6.2 | 21.6 | 9.6 |
| Prostate cancer | 10.7 | 10.5 | 16.6 | 6.8 | 20.6 | 15.4 | 10.4 | 11.9 | 9.4 | 16.6 | 14.8 | 11.5 | 9.6 | 16.5 | 19.1 | 13.0 |
| Malignant melanoma of skin | 3.0 | 1.5 | 1.6 | 3.4 | 3.7 | 0.0 | 0.0 | 0.0 | 2.8 | 4.2 | 5.6 | 3.9 | 3.2 | 2.1 | 2.9 | 1.4 |
| Cervical cancer | 1.4 | 3.0 | 1.6 | 0.7 | 1.9 | 5.1 | 0.0 | 0.0 | 1.2 | 1.4 | 0.9 | 1.6 | 1.6 | 2.1 | 1.7 | 1.4 |
| COVID-19 | 174.2 | 406.6 | 245.1 | 122.1 | 293.3 | 225.5 | 260.6 | 392.4 | 149.5 | 348.7 | 340.6 | 164.9 | 200.2 | 163.0 | 247.1 | 192.9 |
| Accident (unintentional injury) | 81.6 | 218.3 | 71.2 | 87.5 | 123.3 | 110.2 | 83.4 | 118.9 | 74.9 | 103.0 | 159.6 | 87.5 | 65.1 | 57.8 | 85.8 | 74.8 |
| Accidental poisoning | 36.4 | 70.8 | 28.5 | 35.9 | 46.7 | 38.4 | 52.1 | 53.5 | 35.5 | 11.5 | 65.0 | 42.9 | 29.4 | 26.8 | 31.9 | 29.9 |
| Motor vehicle accident | 18.7 | 84.3 | 18.2 | 21.0 | 37.4 | 48.7 | 20.8 | 53.5 | 15.8 | 28.6 | 52.0 | 17.2 | 17.5 | 12.4 | 17.8 | 18.8 |
| Falls | 15.7 | 16.6 | 15.0 | 18.3 | 29.9 | 5.1 | 10.4 | 0.0 | 15.1 | 22.2 | 23.2 | 17.5 | 10.9 | 8.3 | 25.7 | 6.8 |
| Accidental drowning | 1.6 | 6.0 | 1.6 | 2.0 | 1.9 | 2.6 | 0.0 | 0.0 | 1.6 | 2.3 | 0.9 | 0.9 | 0.9 | 2.1 | 0.4 | 1.4 |
| Chronic lower respiratory diseases | 48.3 | 48.2 | 77.5 | 25.8 | 104.6 | 41.0 | 31.3 | 160.5 | 39.9 | 131.2 | 88.2 | 47.5 | 51.2 | 26.8 | 106.1 | 33.8 |
| Cerebrovascular disease | 45.6 | 51.2 | 71.2 | 22.4 | 82.2 | 48.7 | 20.8 | 59.5 | 39.5 | 80.4 | 71.5 | 54.7 | 40.5 | 49.5 | 65.5 | 48.2 |
| Alzheimer's disease | 37.8 | 18.1 | 19.0 | 22.4 | 69.1 | 38.4 | 10.4 | 17.8 | 36.3 | 61.0 | 31.6 | 40.3 | 34.2 | 12.4 | 75.5 | 28.5 |
| Diabetes | 35.1 | 61.7 | 55.4 | 25.1 | 89.7 | 56.4 | 52.1 | 65.4 | 30.7 | 41.1 | 61.3 | 40.8 | 42.1 | 28.9 | 28.2 | 37.1 |
| Chronic liver disease and cirrhosis | 24.3 | 108.4 | 30.8 | 44.1 | 99.0 | 25.6 | 0.0 | 107.0 | 17.5 | 55.0 | 95.6 | 26.2 | 24.4 | 4.1 | 30.3 | 20.3 |
| Intentional self-harm (suicide) | 20.2 | 63.2 | 32.4 | 28.5 | 46.7 | 20.5 | 20.8 | 47.6 | 16.3 | 35.6 | 44.5 | 21.2 | 21.2 | 10.3 | 32.3 | 17.8 |
| Essential (primary) hypertension | 16.5 | 12.0 | 14.2 | 9.5 | 33.6 | 17.9 | 0.0 | 77.3 | 16.1 | 17.5 | 18.6 | 16.4 | 15.9 | 16.5 | 22.8 | 14.0 |
| Influenza and pneumonia | 12.8 | 30.1 | 22.1 | 7.5 | 16.8 | 15.4 | 20.8 | 53.5 | 10.7 | 23.1 | 21.3 | 13.3 | 14.8 | 4.1 | 19.1 | 15.9 |
| Parkinson's disease | 12.2 | 7.5 | 11.1 | 6.8 | 16.8 | 7.7 | 0.0 | 11.9 | 11.7 | 14.8 | 13.0 | 14.3 | 10.7 | 6.2 | 24.0 | 7.7 |
| Nephritis | 12.0 | 22.6 | 28.5 | 7.5 | 28.0 | 15.4 | 0.0 | 29.7 | 8.4 | 32.3 | 24.1 | 16.4 | 13.9 | 12.4 | 15.3 | 13.5 |
| Assault (homicide) | 7.7 | 28.6 | 6.3 | 3.4 | 1.9 | 5.1 | 0.0 | 23.8 | 7.6 | 6.9 | 11.1 | 9.3 | 8.0 | 6.2 | 1.7 | 5.3 |
| Septicemia | 7.0 | 10.5 | 9.5 | 3.4 | 11.2 | 10.2 | 0.0 | 29.7 | 5.5 | 11.1 | 12.1 | 9.7 | 6.6 | 4.1 | 7.9 | 11.6 |
| HIV disease | 1.3 | 7.5 | 0.8 | 2.7 | 0.0 | 0.0 | 0.0 | 5.9 | 1.3 | 0.5 | 1.9 | 1.0 | 1.4 | 0.0 | 0.0 | 0.5 |
| Injury by firearms | 18.7 | 33.1 | 23.7 | 14.9 | 39.2 | 20.5 | 0.0 | 53.5 | 16.5 | 30.0 | 23.2 | 21.6 | 21.6 | 8.3 | 24.5 | 13.5 |
| Drug-induced deaths | 39.2 | 42.2 | 34.8 | 31.2 | 43.0 | 41.0 | 41.7 | 53.5 | 38.6 | 31.9 | 52.0 | 46.2 | 30.5 | 30.9 | 35.7 | 32.8 |
| Opioid-induced deaths | 26.9 | 24.1 | 12.7 | 18.3 | 35.5 | 30.7 | 20.8 | 11.9 | 28.0 | 18.5 | 26.9 | 32.3 | 22.1 | 18.6 | 24.0 | 6.3 |
| Alcohol-induced deaths | 26.0 | 159.6 | 18.2 | 70.5 | 95.3 | 20.5 | 10.4 | 89.2 | 19.1 | 54.5 | 128.1 | 22.1 | 20.0 | 8.3 | 40.6 | 16.4 |

Notes: ^a These are crude mortality rates (the number of deaths per 100,000 population).

**TABLE 5E-14
PERCENT OF TOTAL DEATHS FOR SELECTED LEADING CAUSES OF DEATH STATEWIDE AND BY COUNTY OF RESIDENCE,
ARIZONA, 2021**

| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|--------------------------------------------|---------|--------|---------|----------|-------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|
| Total, all causes | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Cardiovascular disease | 24.0 | 13.8 | 24.5 | 17.3 | 27.5 | 22.9 | 17.7 | 26.5 | 24.2 | 26.4 | 18.8 | 23.9 | 24.7 | 22.7 | 24.8 | 26.5 |
| Diseases of heart | 17.8 | 9.8 | 18.0 | 12.4 | 21.3 | 17.4 | 14.6 | 20.0 | 17.8 | 20.8 | 13.0 | 17.5 | 19.0 | 15.2 | 18.9 | 19.7 |
| Coronary heart disease | 12.8 | 7.3 | 13.1 | 8.2 | 16.0 | 11.5 | 9.4 | 14.8 | 12.6 | 16.2 | 9.7 | 12.4 | 13.7 | 11.9 | 13.8 | 15.2 |
| Malignant neoplasms | 15.7 | 8.6 | 17.2 | 14.6 | 11.9 | 14.5 | 17.7 | 17.2 | 15.8 | 16.2 | 11.7 | 16.0 | 16.4 | 15.7 | 17.8 | 14.3 |
| Lung cancer | 3.2 | 0.5 | 4.6 | 2.1 | 2.8 | 2.0 | 2.1 | 5.3 | 3.2 | 4.0 | 1.9 | 3.1 | 3.6 | 1.9 | 3.7 | 3.3 |
| Colorectal cancer | 1.4 | 0.8 | 1.4 | 1.7 | 0.4 | 1.2 | 1.0 | 1.2 | 1.4 | 1.6 | 0.9 | 1.4 | 1.4 | 2.8 | 1.8 | 1.5 |
| Breast cancer | 1.2 | 0.7 | 0.7 | 1.1 | 0.8 | 1.0 | 0.0 | 1.7 | 1.3 | 1.3 | 0.9 | 1.2 | 1.0 | 0.7 | 1.3 | 0.9 |
| Prostate cancer | 1.0 | 0.6 | 1.1 | 0.9 | 1.0 | 1.2 | 1.0 | 0.5 | 1.0 | 0.8 | 0.9 | 1.0 | 0.9 | 1.9 | 1.1 | 1.2 |
| Malignant melanoma of skin | 0.3 | 0.1 | 0.1 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 |
| Cervical cancer | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.4 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 |
| COVID-19 | 15.6 | 22.3 | 16.9 | 15.3 | 14.9 | 18.0 | 26.0 | 15.8 | 15.3 | 16.5 | 19.9 | 13.6 | 17.8 | 18.5 | 14.5 | 18.1 |
| Accident (unintentional injury) | 7.3 | 12.0 | 4.9 | 11.0 | 6.3 | 8.8 | 8.3 | 4.8 | 7.7 | 4.9 | 9.3 | 7.2 | 5.8 | 6.5 | 5.0 | 7.0 |
| Accidental poisoning | 3.3 | 3.9 | 2.0 | 4.5 | 2.4 | 3.1 | 5.2 | 2.1 | 3.6 | 0.5 | 3.8 | 3.5 | 2.6 | 3.0 | 1.9 | 2.8 |
| Motor vehicle accident | 1.7 | 4.6 | 1.3 | 2.6 | 1.9 | 3.9 | 2.1 | 2.1 | 1.6 | 1.4 | 3.0 | 1.4 | 1.6 | 1.4 | 1.0 | 1.8 |
| Falls | 1.4 | 0.9 | 1.0 | 2.3 | 1.5 | 0.4 | 1.0 | 0.0 | 1.5 | 1.0 | 1.4 | 1.4 | 1.0 | 0.9 | 1.5 | 0.6 |
| Accidental drowning | 0.1 | 0.3 | 0.1 | 0.3 | 0.1 | 0.2 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.0 | 0.1 |
| Chronic lower respiratory diseases | 4.3 | 2.6 | 5.3 | 3.2 | 5.3 | 3.3 | 3.1 | 6.4 | 4.1 | 6.2 | 5.1 | 3.9 | 4.6 | 3.0 | 6.2 | 3.2 |
| Cerebrovascular disease | 4.1 | 2.8 | 4.9 | 2.8 | 4.2 | 3.9 | 2.1 | 2.4 | 4.1 | 3.8 | 4.2 | 4.5 | 3.6 | 5.6 | 3.8 | 4.5 |
| Alzheimer's disease | 3.4 | 1.0 | 1.3 | 2.8 | 3.5 | 3.1 | 1.0 | 0.7 | 3.7 | 2.9 | 1.8 | 3.3 | 3.0 | 1.4 | 4.4 | 2.7 |
| Diabetes | 3.1 | 3.4 | 3.8 | 3.1 | 4.6 | 4.5 | 5.2 | 2.6 | 3.2 | 1.9 | 3.6 | 3.4 | 3.7 | 3.3 | 1.7 | 3.5 |
| Chronic liver disease and cirrhosis | 2.2 | 6.0 | 2.1 | 5.5 | 5.0 | 2.0 | 0.0 | 4.3 | 1.8 | 2.6 | 5.6 | 2.2 | 2.2 | 0.5 | 1.8 | 1.9 |
| Intentional self-harm (suicide) | 1.8 | 3.5 | 2.2 | 3.6 | 2.4 | 1.6 | 2.1 | 1.9 | 1.7 | 1.7 | 2.6 | 1.7 | 1.9 | 1.2 | 1.9 | 1.7 |
| Essential (primary) hypertension | 1.5 | 0.7 | 1.0 | 1.2 | 1.7 | 1.4 | 0.0 | 3.1 | 1.6 | 0.8 | 1.1 | 1.4 | 1.4 | 1.9 | 1.3 | 1.3 |
| Influenza and pneumonia | 1.1 | 1.7 | 1.5 | 0.9 | 0.9 | 1.2 | 2.1 | 2.1 | 1.1 | 1.1 | 1.2 | 1.1 | 1.3 | 0.5 | 1.1 | 1.5 |
| Parkinson's disease | 1.1 | 0.4 | 0.8 | 0.9 | 0.9 | 0.6 | 0.0 | 0.5 | 1.2 | 0.7 | 0.8 | 1.2 | 1.0 | 0.7 | 1.4 | 0.7 |
| Nephritis | 1.1 | 1.2 | 2.0 | 0.9 | 1.4 | 1.2 | 0.0 | 1.2 | 0.9 | 1.5 | 1.4 | 1.4 | 1.2 | 1.4 | 0.9 | 1.3 |
| Assault (homicide) | 0.7 | 1.6 | 0.4 | 0.4 | 0.1 | 0.4 | 0.0 | 1.0 | 0.8 | 0.3 | 0.6 | 0.8 | 0.7 | 0.7 | 0.1 | 0.5 |
| Septicemia | 0.6 | 0.6 | 0.7 | 0.4 | 0.6 | 0.8 | 0.0 | 1.2 | 0.6 | 0.5 | 0.7 | 0.8 | 0.6 | 0.5 | 0.5 | 1.1 |
| HIV disease | 0.1 | 0.4 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Injury by firearms | 1.7 | 1.8 | 1.6 | 1.9 | 2.0 | 1.6 | 0.0 | 2.1 | 1.7 | 1.4 | 1.4 | 1.8 | 1.9 | 0.9 | 1.4 | 1.3 |
| Drug-induced deaths | 3.5 | 2.3 | 2.4 | 3.9 | 2.2 | 3.3 | 4.2 | 2.1 | 4.0 | 1.5 | 3.0 | 3.8 | 2.7 | 3.5 | 2.1 | 3.1 |
| Opioid-induced deaths | 2.4 | 1.3 | 0.9 | 2.3 | 1.8 | 2.5 | 2.1 | 0.5 | 2.9 | 0.9 | 1.6 | 2.7 | 2.0 | 2.1 | 1.4 | 0.6 |
| Alcohol-induced deaths | 2.3 | 8.8 | 1.3 | 8.9 | 4.8 | 1.6 | 1.0 | 3.6 | 2.0 | 2.6 | 7.5 | 1.8 | 1.8 | 0.9 | 2.4 | 1.5 |

**TABLE 5E-15
MORTALITY BY FIVE-YEAR AGE GROUPS AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total ^a | Infant's age group: | | | | Age group | | | | | | | | | | | | | | | 100+ | Unknown | | | | | | |
|-------------------|--------------------|---------------------|-----------------|-----------------|------------------|------------------|------------------|-----------------|-----------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|-------|--------------------|-------|-------|-------|-------|---------|---------------------|-------|-------|--------------------|------------------|-----------------|
| | | <1 day | 1-6 days | 7-27 days | 28-365 days | Total <1 year | 1-2 | 3-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | | | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | 95-99 |
| ARIZONA | 81,482 | 150 [†] | 90 [†] | 60 [†] | 130 [†] | 430 [†] | 110 [†] | 50 [†] | 90 [†] | 400 [†] | 750 [†] | 1,020 [†] | 1,320 [†] | 1,520 [†] | 1,720 [†] | 2,195 | 3,090 [†] | 4,511 | 6,260 | 7,768 | 9,617 | 10,416 | 10,290 [†] | 9,244 | 7,046 | 3,050 [†] | 590 [†] | 10 [†] |
| Apache | 1,209 | * | 0 | * | * | 0 [†] | * | * | * | 9 | 17 | 40 | 60 | 53 | 47 | 57 | 82 | 103 | 108 | 101 | 128 | 122 | 94 | 87 | 60 | 18 | 9 | 0 |
| Cochise | 1,835 | * | 0 | * | * | 10 [†] | * | * | * | 7 | 8 | 12 | 22 | 23 | 21 | 29 | 54 | 102 | 147 | 188 | 265 | 292 | 262 | 195 | 137 | 48 | 10 | 0 |
| Coconino | 1,175 | * | * | * | * | 10 [†] | 0 | 0 | * | 6 | 20 | 33 | 42 | 50 | 38 | 40 | 55 | 64 | 116 | 107 | 127 | 118 | 121 | 94 | 97 | 33 | 7 | 0 |
| Gila | 1,053 | * | 0 | 0 | * | 10 [†] | 0 | 0 | 0 | * | * | 17 | 18 | 25 | 26 | 25 | 34 | 60 | 78 | 101 | 151 | 150 | 126 | 116 | 70 | 37 | 7 | 0 |
| Graham | 489 | * | * | 0 | 0 | 0 [†] | * | 0 | 0 | * | 0 | 8 | 12 | 14 | * | 17 | 18 | 27 | 40 | 49 | 69 | 64 | 48 | 63 | 35 | 12 | * | 0 |
| Greenlee | 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | 0 | * | 7 | * | 6 | 9 | 11 | 11 | 13 | * | 11 | 7 | * | * | 0 |
| La Paz | 419 | * | * | 0 | 0 | 0 [†] | 0 | 0 | * | * | * | * | 8 | 6 | 9 | 7 | 10 | 34 | 48 | 55 | 55 | 68 | 54 | 34 | 16 | * | * | 0 |
| Maricopa | 43,947 | 104 | 50 | 41 | 80 | 275 | 66 | 30 | 51 | 239 | 445 | 596 | 723 | 880 | 986 | 1,244 | 1,755 | 2,412 | 3,342 | 3,855 | 4,908 | 5,461 | 5,412 | 5,087 | 4,081 | 1,737 | 361 | * |
| Mohave | 4,587 | * | * | * | * | 10 [†] | * | * | 0 | 9 | 23 | 22 | 37 | 34 | 56 | 102 | 143 | 234 | 372 | 575 | 656 | 705 | 704 | 494 | 268 | 122 | 16 | 0 |
| Navajo | 1,848 | * | 0 | * | * | 10 [†] | * | * | * | 8 | 21 | 39 | 70 | 66 | 58 | 74 | 89 | 123 | 146 | 217 | 208 | 230 | 199 | 165 | 91 | 27 | * | 0 |
| Pima | 12,821 | 17 | 18 | * | 15 | 50 [†] | 9 | 11 | 7 | 59 | 115 | 122 | 174 | 202 | 254 | 300 | 425 | 721 | 905 | 1,254 | 1,465 | 1,593 | 1,632 | 1,534 | 1,270 | 602 | 112 | * |
| Pinal | 4,936 | 8 | * | * | 13 | 30 [†] | 8 | * | 9 | 24 | 46 | 59 | 74 | 88 | 104 | 127 | 202 | 289 | 402 | 544 | 679 | 670 | 672 | 487 | 288 | 117 | 17 | 0 |
| Santa Cruz | 428 | * | 0 | * | * | 10 [†] | * | 0 | * | * | * | 6 | * | * | 7 | 12 | 8 | 22 | 23 | 50 | 46 | 60 | 60 | 51 | 45 | 15 | * | 0 |
| Yavapai | 4,117 | * | * | 0 | * | 10 [†] | * | * | 6 | 7 | 14 | 34 | 28 | 37 | 44 | 70 | 94 | 164 | 295 | 383 | 543 | 568 | 599 | 559 | 438 | 193 | 29 | 0 |
| Yuma | 2,214 | * | 6 | * | * | 20 [†] | * | 0 | * | 15 | 19 | 22 | 24 | 28 | 46 | 66 | 98 | 117 | 197 | 244 | 272 | 278 | 289 | 248 | 139 | 73 | 11 | 0 |
| Unknown | 308 | * | 0 | 0 | 0 | 0 [†] | 0 | 0 | 0 | * | 6 | * | 17 | 12 | 13 | 18 | 23 | 33 | 32 | 34 | 34 | 24 | 15 | 19 | * | * | 0 | 10 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; * Includes records with unknown age.

**TABLE 5E-16
INFANT MORTALITY BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA | 504 | 495 | 447 | 535 | 473 | 454 | 461 | 447 | 430 | 404 | 430 |
| Apache | 9 | * | 10 | 16 | 10 | 15 | 6 | * | * | 7 | * |
| Cochise | 9 | 9 | 13 | 8 | 12 | 6 | 8 | * | 10 | 9 | 7 |
| Coconino | 7 | 9 | 10 | 8 | 10 | 10 | 6 | 10 | 9 | * | 6 |
| Gila | 7 | * | * | * | * | * | 7 | * | * | * | * |
| Graham | * | * | * | * | * | * | * | * | * | * | * |
| Greenlee | * | 0 | * | * | 0 | 0 | * | * | 0 | 0 | 0 |
| La Paz | * | * | * | * | * | * | * | * | * | * | * |
| Maricopa | 310 | 323 | 285 | 342 | 291 | 291 | 300 | 274 | 250 | 239 | 275 |
| Mohave | 18 | * | 6 | 14 | 16 | 9 | 11 | 6 | 9 | 10 | 10 |
| Navajo | 14 | 14 | 7 | 11 | 13 | * | 15 | 19 | 10 | 9 | 6 |
| Pima | 57 | 59 | 58 | 65 | 48 | 53 | 43 | 61 | 61 | 56 | 54 |
| Pinal | 26 | 26 | 18 | 29 | 26 | 23 | 28 | 31 | 29 | 23 | 26 |
| Santa Cruz | * | 6 | * | * | * | * | * | * | * | * | * |
| Yavapai | 7 | 10 | 8 | 11 | 13 | 11 | 11 | 10 | 13 | 13 | 8 |
| Yuma | 27 | 18 | 18 | 18 | 23 | 14 | 9 | 15 | 20 | 23 | 19 |
| Unknown | * | * | * | * | * | 9 | 6 | 0 | * | * | * |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 5E-17
INFANT MORTALITY RATES^a BY COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA | 5.9 | 5.8 | 5.3 | 6.2 | 5.6 | 5.4 | 5.6 | 5.6 | 5.4 | 5.3 | 5.5 |
| Apache | 8.4 | ** | 10.5 | 15.7 | 10.5 | 14.7 | 6.3 | ** | ** | 8.9 | ** |
| Cochise | 5.4 | 5.3 | 8.1 | 4.9 | 7.7 | 3.9 | 6.0 | ** | 7.4 | 7.1 | 5.6 |
| Coconino | 4.0 | 5.3 | 6.2 | 4.7 | 6.3 | 6.2 | 4.0 | 6.7 | 6.6 | ** | 4.6 |
| Gila | 11.3 | ** | ** | ** | ** | ** | 12.9 | ** | ** | ** | ** |
| Graham | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| Greenlee | ** | 0.0 | ** | ** | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| La Paz | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| Maricopa | 5.8 | 5.9 | 5.3 | 6.2 | 5.3 | 5.4 | 5.7 | 5.3 | 4.9 | 4.9 | 5.5 |
| Mohave | 9.2 | ** | 3.4 | 7.6 | 8.7 | 5.0 | 6.3 | 3.4 | 5.2 | 5.9 | 5.5 |
| Navajo | 8.5 | 8.6 | 4.5 | 6.8 | 8.6 | ** | 10.0 | 13.8 | 7.4 | 6.9 | 5.0 |
| Pima | 4.8 | 5.0 | 4.8 | 5.5 | 4.2 | 4.6 | 3.9 | 5.7 | 5.9 | 5.6 | 5.4 |
| Pinal | 5.6 | 5.6 | 3.9 | 6.5 | 5.8 | 5.1 | 6.4 | 6.9 | 6.4 | 4.9 | 5.4 |
| Santa Cruz | ** | 8.9 | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| Yavapai | 3.8 | 5.6 | 4.4 | 5.7 | 6.9 | 5.9 | 6.1 | 5.7 | 7.2 | 7.7 | 4.6 |
| Yuma | 8.4 | 5.8 | 5.8 | 5.9 | 7.6 | 4.7 | 3.0 | 5.0 | 6.8 | 7.7 | 6.6 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a The number of infant deaths per 1,000 live births.

**TABLE 5E-18
INFANT MORTALITY BY COUNTY OF RESIDENCE, CHILD'S RACE/ETHNICITY, AND GENDER, ARIZONA, 2021**

| | Total | | | Race/ethnicity | | | | | | | | | | | | | | |
|-------------------|--------------------|------|--------|--------------------|-----|-----|--------------------|------|-----|---------------------------|-----|-----|-------------------------------|-----|-----|---------------------------|---|----|
| | Total ^a | Male | Female | White non-Hispanic | | | Hispanic or Latino | | | Black or African American | | | American Indian Alaska Native | | | Asian or Pacific Islander | | |
| | | | | T | M | F | T | M | F | T | M | F | T | M | F | T | M | F |
| | | | | | | | | | | | | | | | | | | |
| ARIZONA | 430 | 224 | 204 | 140† | 70† | 80† | 180† | 100† | 80† | 60† | 30† | 30† | 20† | 10† | 10† | 10† | 9 | 0† |
| Apache | 4 | * | * | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0† | * | * | 0 | 0 | 0 |
| Cochise | 7 | * | * | 0† | * | * | 0† | * | * | 0† | * | * | 0 | 0 | 0 | 0 | 0 | 0 |
| Coconino | 6 | * | * | 0† | * | * | 0† | * | * | 0 | 0 | 0 | 0† | 0 | * | * | 0 | 0 |
| Gila | 5 | * | * | 0† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0† | * | * | 0 | 0 | 0 |
| Graham | 2 | 0 | * | 0 | 0 | 0 | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greenlee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| La Paz | 2 | * | * | 0 | 0 | 0 | 0† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maricopa | 273 | 142 | 131 | 90 | 42 | 48 | 105 | 62 | 43 | 55 | 24 | 31 | 10† | * | * | 10† | 9 | * |
| Mohave | 10 | * | 9 | 10† | * | 7 | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Navajo | 6 | * | * | 0† | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0† | * | * | 0 | 0 | 0 |
| Pima | 54 | 31 | 23 | 20† | * | 10 | 30 | 19 | 11 | 0† | * | 0 | 10† | * | * | 0 | 0 | 0 |
| Pinal | 26 | 13 | 13 | 10† | * | * | 16 | 7 | 9 | 0† | * | 0 | 0† | 0 | * | 0 | 0 | 0 |
| Santa Cruz | 5 | * | * | 0 | 0 | 0 | 10† | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yavapai | 8 | * | * | 10† | * | * | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yuma | 19 | 13 | 6 | 0† | * | 0 | 10† | 8 | * | 0† | 0 | * | 0† | * | 0 | 0 | 0 | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes records with unknown race/ethnicity.

TABLE 5E-19
LEADING CAUSES OF INFANT DEATH BY COUNTY OF RESIDENCE, ARIZONA, 2021

| | Total | County of residence | | | | | | | | | | | | | | | |
|--------------------------------------------------------|------------|---------------------|----------|----------|----------|----------|----------|------------|-----------|----------|-----------|-----------|----------|------------|-----------|----------|---------|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
| Certain conditions originating in the perinatal period | 210† | * | * | * | * | * | 0 | * | 147 | * | * | 23 | 11 | * | * | 12 | * |
| Short gestation and low birth weight | 90† | * | * | 0 | 0 | * | 0 | 0 | 67 | * | 0 | 11 | * | 0 | 0 | * | 0 |
| Maternal complications | 20† | 0 | 0 | * | 0 | * | 0 | 0 | 11 | 0 | 0 | * | * | 0 | 0 | * | 0 |
| Other respiratory condition | 20† | 0 | 0 | * | 0 | 0 | 0 | 0 | 8 | 0 | 0 | * | 0 | * | 0 | * | 0 |
| Complications of placenta, cord and membrane | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | * | * | 0 | 0 | 0 | * |
| Bacterial sepsis of newborn | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | * | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Respiratory distress syndrome | 10† | 0 | * | 0 | 0 | 0 | 0 | * | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Atelectasis | 10† | 0 | 0 | * | 0 | 0 | 0 | * | * | 0 | 0 | * | 0 | 0 | 0 | * | 0 |
| Intrauterine hypoxia or birth asphyxia | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 |
| Congenital malformations | 90† | 0 | * | * | * | 0 | 0 | 0 | 60 | 6 | * | 14 | * | * | * | * | 0 |
| of heart | 20† | 0 | 0 | * | 0 | 0 | 0 | 0 | 12 | * | 0 | * | 0 | 0 | 0 | * | 0 |
| of brain, spinal cord or nervous system | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | * | 0 | * | * | 0 | 0 | 0 | 0 |
| of respiratory system | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | * | 0 | 0 | * | 0 | 0 |
| Accidents (unintentional injury) | 30† | * | * | 0 | 0 | 0 | 0 | 0 | 16 | * | * | * | * | * | * | * | 0 |
| Mechanical suffocation | 20† | * | 0 | 0 | 0 | 0 | 0 | 0 | 14 | * | 0 | * | * | * | * | * | 0 |
| Motor vehicle accidents | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Other ill-defined and unspecified causes of mortality | 30† | * | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 9 | 0 | * | * | 0 | 0 |
| Sudden infant death syndrome | 10† | 0 | 0 | * | 0 | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 |
| Certain infectious and parasitic diseases | 10† | 0 | 0 | 0 | * | 0 | 0 | 0 | 7 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Diseases of the digestive system | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | * | 0 | * | * | 0 | 0 | 0 | 0 |
| Diseases of the nervous system | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Assault (homicide) | 10† | 0 | * | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Events of undetermined intent | 10† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Diseases of the circulatory system | 0† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Influenza and pneumonia | 0† | 0 | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COVID-19 | 0† | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total, all causes^a | 430 | * | 7 | 6 | * | * | 0 | 275 | 10 | 6 | 54 | 26 | * | 8 | 19 | * | |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes causes of death not shown above.

**TABLE 5E-20
POSTNEONATAL MORTALITY BY COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA^a | 173 | 163 | 158 | 181 | 179 | 153 | 174 | 136 | 164 | 139 | 134 |
| Apache | * | * | 6 | * | * | 9 | * | * | * | * | * |
| Cochise | * | * | * | * | * | * | * | * | * | * | * |
| Coconino | * | 0 | * | * | * | * | * | * | * | * | * |
| Gila | * | * | * | * | * | 0 | * | * | * | * | * |
| Graham | 0 | * | * | * | 0 | 0 | * | 0 | * | * | 0 |
| Greenlee | 0 | 0 | * | * | 0 | 0 | * | * | 0 | 0 | 0 |
| La Paz | * | * | 0 | 0 | * | * | * | 0 | 0 | 0 | 0 |
| Maricopa | 105 | 107 | 96 | 118 | 112 | 84 | 112 | 75 | 92 | 88 | 80 |
| Mohave | * | * | * | * | 9 | * | * | * | * | * | * |
| Navajo | 8 | 6 | * | * | 7 | * | 8 | 7 | * | * | * |
| Pima | 14 | 19 | 25 | 23 | 17 | 23 | 13 | 24 | 31 | 16 | 15 |
| Pinal | 8 | 8 | 8 | 10 | 11 | 14 | 9 | 9 | 9 | 6 | 13 |
| Santa Cruz | * | * | 0 | 0 | 0 | * | * | 0 | * | 0 | * |
| Yavapai | * | * | * | * | * | * | 7 | * | * | * | * |
| Yuma | 10 | 6 | * | * | * | * | * | 6 | * | 6 | * |

Notes: * Cell suppressed due to non-zero count less than 6; ^a Includes unknown county of residence.

**TABLE 5E-21
POSTNEONATAL MORTALITY RATES^a BY COUNTY OF RESIDENCE, ARIZONA , 2011-2021**

| County | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA | 2.0 | 1.9 | 1.9 | 2.1 | 2.1 | 1.8 | 2.1 | 1.7 | 2.1 | 1.8 | 1.7 |
| Apache | ** | ** | 6.3 | ** | ** | 8.8 | ** | ** | ** | ** | ** |
| Cochise | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| Coconino | ** | 0.0 | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| Gila | ** | ** | ** | ** | ** | 0.0 | ** | ** | ** | ** | ** |
| Graham | 0.0 | ** | ** | ** | 0.0 | 0.0 | ** | 0.0 | ** | ** | 0.0 |
| Greenlee | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| La Paz | ** | ** | 0.0 | 0.0 | ** | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 |
| Maricopa | 2.0 | 2.0 | 1.8 | 2.1 | 2.1 | 1.6 | 2.1 | 1.5 | 1.8 | 1.8 | 1.6 |
| Mohave | ** | ** | ** | ** | 4.9 | ** | ** | ** | ** | ** | ** |
| Navajo | 4.9 | 3.7 | ** | ** | 4.6 | ** | 5.3 | 5.1 | ** | ** | ** |
| Pima | 1.2 | 1.6 | 2.1 | 1.9 | 1.5 | 2.0 | 1.2 | 2.3 | 3.0 | 1.6 | 1.5 |
| Pinal | 1.7 | 1.7 | 1.8 | 2.2 | 2.5 | 3.1 | 2.1 | 2.0 | 2.0 | 1.3 | 2.7 |
| Santa Cruz | ** | ** | 0.0 | 0.0 | 0.0 | ** | ** | 0.0 | ** | 0.0 | ** |
| Yavapai | ** | ** | ** | ** | ** | ** | 3.9 | ** | ** | ** | ** |
| Yuma | 3.1 | 1.9 | ** | ** | ** | ** | ** | 2.0 | ** | 2.0 | ** |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a Post-neonatal deaths per 1,000 live births.

**TABLE 5E-22
NEONATAL MORTALITY BY COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA^a | 331 | 332 | 289 | 354 | 294 | 301 | 287 | 311 | 265 | 265 | 296 |
| Apache | * | * | * | 12 | 6 | 6 | * | * | * | * | * |
| Cochise | * | 7 | 11 | 6 | 10 | * | * | * | 7 | 6 | * |
| Coconino | * | 9 | 7 | * | * | 8 | * | 6 | * | * | * |
| Gila | * | * | * | * | * | * | * | * | 0 | * | * |
| Graham | * | * | * | * | * | * | * | * | * | * | * |
| Greenlee | * | 0 | 0 | * | 0 | 0 | * | * | 0 | 0 | 0 |
| La Paz | 0 | * | * | * | 0 | 0 | * | * | * | * | * |
| Maricopa | 205 | 216 | 189 | 224 | 179 | 207 | 188 | 199 | 158 | 151 | 195 |
| Mohave | 13 | * | * | 10 | 7 | * | 8 | * | * | 6 | 7 |
| Navajo | 6 | 8 | * | 7 | 6 | * | 7 | 12 | 7 | * | * |
| Pima | 43 | 40 | 33 | 42 | 31 | 30 | 30 | 37 | 30 | 40 | 39 |
| Pinal | 18 | 18 | 10 | 19 | 15 | 9 | 19 | 22 | 20 | 17 | 13 |
| Santa Cruz | * | * | * | * | * | * | * | * | * | * | * |
| Yavapai | * | 7 | * | 9 | 9 | 7 | * | 6 | 9 | 10 | * |
| Yuma | 17 | 12 | 14 | 14 | 18 | 11 | * | 9 | 16 | 17 | 15 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; a Includes unknown county of residence.

**TABLE 5E-23
NEONATAL MORTALITY RATE^a BY COUNTY OF RESIDENCE, ARIZONA, 2011-2021**

| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA | 3.9 | 3.9 | 3.4 | 4.1 | 3.5 | 3.6 | 3.5 | 3.9 | 3.4 | 3.5 | 3.8 |
| Apache | ** | ** | ** | 11.8 | 6.3 | 5.9 | ** | ** | ** | ** | ** |
| Cochise | ** | 4.1 | 6.8 | 3.7 | 6.4 | ** | ** | ** | 5.2 | 4.7 | ** |
| Coconino | ** | 5.3 | 4.3 | ** | ** | 5.0 | ** | 4.0 | ** | ** | ** |
| Gila | ** | ** | ** | ** | ** | ** | ** | ** | 0.0 | ** | ** |
| Graham | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| Greenlee | ** | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| La Paz | 0.0 | ** | ** | ** | 0.0 | 0.0 | ** | ** | ** | ** | ** |
| Maricopa | 3.8 | 4.0 | 3.5 | 4.1 | 3.3 | 3.8 | 3.6 | 3.8 | 3.1 | 3.1 | 3.9 |
| Mohave | 6.6 | ** | ** | 5.5 | 3.8 | ** | 4.6 | ** | ** | 3.5 | 3.9 |
| Navajo | 3.7 | 4.9 | ** | 4.4 | 4.0 | ** | 4.6 | 8.7 | 5.2 | ** | ** |
| Pima | 3.6 | 3.4 | 2.8 | 3.5 | 2.7 | 2.6 | 2.7 | 3.5 | 2.9 | 4.0 | 3.9 |
| Pinal | 3.9 | 3.9 | 2.2 | 4.2 | 3.4 | 2.0 | 4.3 | 4.9 | 4.4 | 3.7 | 2.7 |
| Santa Cruz | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| Yavapai | ** | 3.9 | ** | 4.6 | 4.8 | 3.7 | ** | 3.4 | 5.0 | 5.9 | ** |
| Yuma | 5.3 | 3.8 | 4.5 | 4.6 | 6.0 | 3.7 | ** | 3.0 | 5.4 | 5.7 | 5.2 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a Number of neonatal deaths per 1,000 live births.

**TABLE 5E-24
LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | County of residence | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|------------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|------------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|---|---|---|---|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | | | | | | | | | | |
| Accidents (unintentional injury) | 91 | 6 | * | * | 0 | * | 0 | * | 0 | * | 0 | * | 53 | * | * | 9 | * | * | * | * | * | * | | | | |
| Motor vehicle accidents | 37 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | * | * | * | 0 | * | * | * | * | * | * | | | |
| Accidental drowning and submersion | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | * | * | * | 0 | * | * | * | * | * | * | | | |
| Malignant neoplasms | 23 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | * | * | 0 | 0 | 0 | * | * | 0 | 0 | | |
| Leukemia | 7 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Congenital malformations | 17 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | * | * | * | 0 | 0 | 0 | * | * | 0 | 0 | * | |
| Intentional self-harm (suicide) | 16 | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | * | 0 | 0 | 0 | * | * | 0 | 0 | * | |
| Assault (homicide) | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * |
| By other means | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | * |
| By discharge of firearms | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | * |
| COVID-19 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Influenza and pneumonia | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Septicemia | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Chronic lower respiratory disease | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asthma | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total, all causes^a | 249 | 10 | 6 | * | 0 | * | 0 | * | 0 | 0 | 0 | * | 147 | * | 8 | 27 | 21 | * | 10 | * | 10 | 9 | | | | |

Notes: * Cell suppressed due to non-zero count less than 6; † May include other causes of death not shown above.

**TABLE 5E-25
RATES^a FOR THE LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY COUNTY OF RESIDENCE,
ARIZONA, 2021**

| Underlying cause of death | County of residence | | | | | | | | | | | | | | | |
|--------------------------------------|---------------------|-------------|-------------|-----------|------------|-----------|------------|-----------|-------------|-----------|-------------|-------------|-------------|------------|-------------|-------------|
| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
| Accidents (unintentional injury) | 7.2 | 44.1 | ** | ** | 0.0 | ** | 0.0 | ** | 6.6 | ** | ** | 5.4 | ** | ** | ** | ** |
| Motor vehicle accidents | 2.9 | ** | ** | ** | 0.0 | 0.0 | 0.0 | ** | 2.5 | ** | ** | ** | 0.0 | ** | ** | ** |
| Accidental drowning and submersion | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | ** | ** | ** | 0.0 | ** | 0.0 | ** |
| Malignant neoplasms | 1.8 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | ** | ** | 0.0 | ** | 0.0 |
| Leukemia | 0.6 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 |
| Congenital malformations | 1.4 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | ** | ** | ** | 0.0 | ** | ** |
| Intentional self-harm (suicide) | 1.3 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | ** | ** |
| Assault (homicide) | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | ** |
| By other means | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | ** |
| By discharge of firearms | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | ** |
| COVID-19 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| Influenza and pneumonia | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 |
| Septicemia | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | ** | 0.0 | ** | 0.0 | 0.0 | 0.0 |
| Chronic lower respiratory disease | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Asthma | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total, all causes^a | 19.8 | 73.5 | 28.9 | ** | 0.0 | ** | 0.0 | ** | 18.2 | ** | 37.1 | 16.2 | 27.9 | ** | 34.4 | 22.5 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a All rates are per 100,000 children 1-14 years old.

**TABLE 5E-26
LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | County of residence | | | | | | | | | | | | | | | | |
|------------------------------------|---------|---------------------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|-------|------------|---------|------|---------|---|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown | |
| Accidents (unintentional injury) | 180 | * | * | * | * | * | 0 | 0 | 105 | * | * | 30 | 13 | * | * | 6 | * | |
| Motor vehicle accidents | 87 | * | * | * | * | * | 0 | 0 | 47 | * | * | 12 | 8 | 0 | * | * | * | |
| Accidental poisoning | 80 | * | * | 0 | 0 | 0 | 0 | 0 | 49 | * | 0 | 18 | * | * | * | * | 0 | |
| Accidental drowning and submersion | 8 | 0 | 0 | * | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * |
| Intentional self-harm (suicide) | 67 | * | * | * | 0 | 0 | 0 | * | 36 | * | * | 10 | * | * | * | * | * | 0 |
| By other means | 40 | * | * | * | 0 | 0 | 0 | 0 | 21 | * | * | 6 | 0 | * | * | * | * | 0 |
| By discharge of firearms | 27 | 0 | * | * | 0 | 0 | 0 | * | 15 | * | 0 | * | * | 0 | 0 | * | 0 | 0 |
| Assault (homicide) | 63 | * | * | 0 | 0 | 0 | 0 | 0 | 51 | * | 0 | 6 | * | 0 | 0 | 0 | 0 | 0 |
| By discharge of firearms | 61 | * | 0 | 0 | 0 | 0 | 0 | 0 | 50 | * | 0 | 6 | * | 0 | 0 | 0 | 0 | 0 |
| By other means | 0† | 0 | * | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COVID-19 | 15 | 0 | 0 | 0 | 0 | * | 0 | 0 | 12 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 |
| Malignant neoplasms | 14 | * | 0 | 0 | * | 0 | 0 | 0 | 7 | 0 | * | * | * | 0 | 0 | * | 0 | 0 |
| Leukemia | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diseases of the heart | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Events of undetermined intent | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total, all causes | 396 | 9 | 7 | 6 | * | * | 0 | * | 239 | 9 | 8 | 59 | 24 | * | 7 | 15 | * | |

Note: * Cell suppressed due to non-zero count less than 6.

**TABLE 5E-27
RATES^a FOR THE LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY COUNTY OF RESIDENCE,
ARIZONA, 2021**

| Underlying cause of death | ARIZONA | County of residence | | | | | | | | | | | | | | |
|------------------------------------|---------|---------------------|---------|----------|------|--------|----------|--------|----------|--------|--------|------|-------|------------|---------|-------|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
| Accidents (unintentional injury) | 38.0 | ** | ** | ** | ** | ** | 0.0 | 0.0 | 35.2 | ** | ** | 43.8 | 49.8 | ** | ** | 41.7 |
| Motor vehicle accidents | 18.4 | ** | ** | ** | ** | ** | 0.0 | 0.0 | 15.7 | ** | ** | 17.5 | 30.7 | 0.0 | ** | ** |
| Accidental poisoning | 16.9 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.4 | ** | 0.0 | 26.3 | ** | ** | ** | ** |
| Accidental drowning and submersion | 1.7 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Intentional self-harm (suicide) | 14.2 | ** | ** | ** | 0.0 | 0.0 | 0.0 | ** | 12.1 | ** | ** | 14.6 | ** | ** | ** | ** |
| By other means | 8.4 | ** | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | ** | ** | 8.8 | 0.0 | ** | ** | ** |
| By discharge of firearms | 5.7 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 | ** | 5.0 | ** | 0.0 | ** | ** | 0.0 | 0.0 | ** |
| Assault (homicide) | 13.3 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.1 | ** | 0.0 | 8.8 | ** | ** | 0.0 | 0.0 |
| By discharge of firearms | 12.9 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.7 | ** | 0.0 | 8.8 | ** | ** | 0.0 | 0.0 |
| By other means | ** | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| COVID-19 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 |
| Malignant neoplasms | 3.0 | ** | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | ** | ** | ** | ** | 0.0 | ** |
| Leukemia | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Diseases of heart | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Events of undetermined intent | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total, all causes | 83.7 | 180.7 | 90.3 | 42.1 | ** | ** | 0.0 | ** | 80.0 | 92.4 | 108.4 | 86.2 | 92.0 | ** | 61.6 | 104.2 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a All rates are per 100,000 adolescents 15-19 years old.

**TABLE 5E-28
LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | County of residence | | | | | | | | | | | | | ARIZONA | | |
|---------------------------------------------------------------------------------|---------------------|------------|-----------|------------|-----------|-----------|----------|---------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | | Yavapai | Yuma |
| Accidents (unintentional injury) | 56 | 26 | 63 | 30 | 13 | * | 6 | 1,369 | 42 | 76 | 339 | 118 | 11 | 58 | 50 | 28 |
| Accidental poisoning | 23 | 20 | 36 | 18 | 6 | * | * | 957 | 13 | 40 | 238 | 73 | 9 | 41 | 34 | 15 |
| Motor vehicle accidents | 26 | 6 | 18 | 11 | 6 | * | * | 322 | 25 | 25 | 75 | 38 | * | 14 | 14 | 9 |
| COVID-19 | 792 | 24 | 9 | 6 | * | * | * | 486 | 24 | 30 | 83 | 55 | * | 25 | 29 | 0 |
| Intentional self-harm (suicide) | 634 | 29 | 14 | 24 | 9 | 8 | * | 328 | 19 | 31 | 89 | 43 | 0 | 24 | 8 | * |
| By discharge of firearms | 338 | * | 6 | 9 | * | 7 | 0 | 186 | 8 | 12 | 56 | 26 | 0 | 13 | * | * |
| By other means | 296 | 24 | 8 | 15 | * | * | * | 142 | 11 | 19 | 33 | 17 | 0 | 11 | * | * |
| Malignant neoplasms | 364 | 7 | * | * | * | * | 0 | 219 | 14 | 8 | 54 | 24 | * | 8 | 11 | * |
| Malignant neoplasm of breast | 56 | * | * | 0 | 0 | 0 | 0 | 39 | * | * | * | * | * | * | 0 | 0 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 52 | * | 0 | 0 | * | 0 | 0 | 30 | * | * | 11 | * | * | 0 | * | 0 |
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 24 | 0 | 0 | * | 0 | 0 | 0 | 15 | * | * | * | * | 0 | 0 | * | 0 |
| Chronic liver disease and cirrhosis | 346 | 24 | * | 28 | 19 | * | 0 | 148 | 6 | 39 | 36 | 20 | 0 | 8 | 7 | * |
| Assault (homicide) | 346 | 12 | * | * | * | * | 0 | 212 | * | 10 | 60 | 22 | * | * | 7 | * |
| By discharge of firearms | 279 | 7 | * | * | * | * | 0 | 178 | * | * | 50 | 20 | * | * | * | * |
| By other means | 67 | * | * | * | 0 | * | 0 | 34 | * | 6 | 10 | * | 0 | * | * | * |
| Diseases of heart | 302 | * | 6 | 7 | * | * | * | 187 | 7 | 8 | 42 | 20 | 0 | 6 | * | * |
| Diabetes | 100 | * | * | * | * | 0 | 0 | 49 | * | * | 21 | 6 | * | * | * | 0 |
| Obesity | 60 | * | * | 0 | * | 0 | 0 | 33 | * | * | 7 | * | 0 | * | * | 0 |
| Cerebrovascular disease | 56 | * | * | 0 | 0 | 0 | 0 | 33 | 0 | * | 10 | * | 0 | * | * | 0 |
| Influenza and pneumonia | 41 | * | * | * | 0 | 0 | 0 | 24 | * | * | * | * | 0 | 0 | 0 | 0 |
| Human immunodeficiency virus (HIV) disease | 25 | * | 0 | * | 0 | 0 | 0 | 20 | 0 | 0 | * | * | 0 | 0 | 0 | * |
| Total, all causes | 6,316 | 217 | 86 | 183 | 91 | 39 | 7 | 27,630 | 172 | 254 | 867 | 371 | 23 | 157 | 139 | 53 |

Note: * Cell suppressed due to non-zero count less than 6.

**TABLE 5E-29
RATES^a FOR THE LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY COUNTY OF RESIDENCE,
ARIZONA, 2021**

| Underlying cause of death | ARIZONA | County of residence | | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------|---------|---------------------|---------|----------|-------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
| Accidents (unintentional injury) | 95.1 | 276.7 | 69.6 | 109.7 | 239.9 | 94.2 | ** | 172.4 | 88.3 | 82.2 | 245.7 | 96.7 | 85.3 | 79.4 | 108.5 | 73.1 |
| Accidental poisoning | 63.5 | 113.6 | 53.5 | 62.7 | 144.0 | 43.5 | ** | ** | 61.7 | 25.4 | 129.3 | 67.9 | 52.7 | 64.9 | 76.7 | 49.7 |
| Motor vehicle accidents | 24.7 | 128.5 | 16.1 | 31.3 | 88.0 | 43.5 | ** | ** | 20.8 | 48.9 | 80.8 | 21.4 | 27.5 | ** | 26.2 | 20.5 |
| COVID-19 | 32.9 | 118.6 | 24.1 | 15.7 | 48.0 | ** | ** | ** | 31.4 | 47.0 | 97.0 | 23.7 | 39.7 | ** | 46.8 | 42.4 |
| Intentional self-harm (suicide) | 26.4 | 143.3 | 37.5 | 41.8 | 72.0 | 58.0 | ** | ** | 21.2 | 37.2 | 100.2 | 25.4 | 31.1 | 0.0 | 44.9 | 11.7 |
| By discharge of firearms | 14.1 | ** | 16.1 | 15.7 | ** | 50.7 | 0.0 | ** | 12.0 | 15.7 | 38.8 | 16.0 | 18.8 | 0.0 | 24.3 | ** |
| By other means | 12.3 | 118.6 | 21.4 | 26.1 | ** | ** | ** | 0.0 | 9.2 | 21.5 | 61.4 | 9.4 | 12.3 | 0.0 | 20.6 | ** |
| Malignant neoplasms | 15.1 | 34.6 | ** | ** | ** | ** | 0.0 | ** | 14.1 | 27.4 | 25.9 | 15.4 | 17.3 | ** | 15.0 | 16.1 |
| Malignant neoplasm of breast | 2.3 | ** | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | ** | ** | ** | ** | ** | ** | 0.0 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 2.2 | ** | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 1.9 | ** | ** | 3.1 | ** | ** | 0.0 | ** |
| Malignant neoplasm of meninges, brain and other parts of central nervous system | 1.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | ** | ** | ** | ** | 0.0 | 0.0 | ** |
| Chronic liver disease and cirrhosis | 14.4 | 118.6 | ** | 48.7 | 152.0 | ** | 0.0 | ** | 9.5 | 11.7 | 126.1 | 10.3 | 14.5 | 0.0 | 15.0 | 10.2 |
| Assault (homicide) | 14.4 | 59.3 | ** | ** | ** | ** | 0.0 | ** | 13.7 | ** | 32.3 | 17.1 | 15.9 | ** | ** | 10.2 |
| By discharge of firearms | 11.6 | 34.6 | ** | ** | ** | ** | 0.0 | ** | 11.5 | ** | ** | 14.3 | 14.5 | ** | ** | ** |
| By other means | 2.8 | ** | ** | ** | 0.0 | ** | 0.0 | 0.0 | 2.2 | ** | 19.4 | 2.9 | ** | 0.0 | ** | ** |
| Diseases of heart | 12.6 | ** | 16.1 | 12.2 | ** | ** | ** | 0.0 | 12.1 | 13.7 | 25.9 | 12.0 | 14.5 | 0.0 | 11.2 | ** |
| Diabetes | 4.2 | ** | ** | ** | ** | 0.0 | 0.0 | 0.0 | 3.2 | ** | ** | 6.0 | 4.3 | ** | ** | ** |
| Obesity | 2.5 | ** | ** | 0.0 | ** | 0.0 | 0.0 | 0.0 | 2.1 | ** | ** | 2.0 | ** | 0.0 | ** | ** |
| Cerebrovascular diseases | 2.3 | ** | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | ** | 2.9 | ** | 0.0 | ** | ** |
| Influenza and pneumonia | 1.7 | ** | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | ** | ** | ** | ** | 0.0 | 0.0 | 0.0 |
| Human immunodeficiency virus (HIV) disease | 1.0 | ** | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| Total, all causes | 262.6 | 1072.1 | 230.1 | 318.6 | 727.8 | 282.5 | 206.2 | 775.6 | 234.2 | 336.6 | 821.1 | 247.4 | 268.1 | 165.9 | 293.7 | 203.2 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a All rates are per 100,000 young adults 20-44 years old.

**TABLE 5E-30
LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | County of residence | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------|---------------------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|------|---------|
| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
| COVID-19 | 3,456 | 86 | 80 | 57 | 38 | 25 | 8 | 19 | 1,939 | 179 | 93 | 404 | 234 | 21 | 113 | 148 | 12 |
| Malignant neoplasms | 2,687 | 25 | 48 | 37 | 27 | 19 | * | 10 | 1,581 | 125 | 42 | 386 | 188 | 7 | 114 | 60 | 13 |
| Malignant neoplasm of trachea, bronchus and lung | 483 | * | 16 | * | 7 | * | 0 | * | 268 | 26 | 7 | 76 | 33 | * | 24 | 13 | * |
| Malignant neoplasm of colon, rectum, and anus | 337 | * | * | * | * | 0 | 0 | * | 219 | 14 | * | 43 | 22 | * | 11 | * | * |
| Malignant neoplasm of breast | 288 | 0 | * | * | * | * | 0 | * | 186 | 10 | * | 37 | 16 | * | 13 | 6 | * |
| Malignant neoplasm of pancreas | 209 | * | * | 7 | * | * | 0 | * | 120 | 14 | * | 33 | 11 | 0 | 9 | * | * |
| Diseases of heart | 2,140 | 28 | 46 | 27 | 30 | 15 | * | 17 | 1,158 | 136 | 56 | 288 | 146 | 12 | 91 | 74 | 14 |
| Accidents (unintentional injury) | 1,612 | 54 | 24 | 36 | 11 | 18 | * | 7 | 887 | 60 | 49 | 263 | 76 | * | 55 | 37 | 28 |
| Accidental poisoning | 899 | 19 | 14 | 17 | 6 | 9 | * | * | 522 | 7 | 25 | 159 | 47 | * | 31 | 21 | 14 |
| Motor vehicle accidents | 389 | 17 | * | 10 | * | 8 | * | * | 202 | 20 | 15 | 58 | 17 | * | 14 | 7 | 7 |
| Falls | 106 | * | * | * | * | 0 | 0 | 0 | 65 | * | * | 20 | * | 0 | * | * | * |
| Chronic liver disease and cirrhosis | 856 | 40 | 20 | 28 | 22 | * | 0 | 6 | 366 | 62 | 48 | 152 | 50 | * | 36 | 17 | * |
| Diabetes | 687 | 12 | 11 | 6 | 12 | * | * | * | 387 | 23 | 20 | 118 | 61 | * | 10 | 16 | * |
| Intentional self-harm (suicide) | 414 | 6 | 10 | 7 | 6 | 0 | 0 | * | 217 | 27 | 8 | 67 | 22 | * | 23 | 18 | * |
| By discharge of firearms | 241 | * | 6 | * | * | 0 | 0 | 0 | 124 | 16 | * | 41 | 13 | * | 17 | 9 | 0 |
| By other means | 173 | * | * | * | * | 0 | 0 | * | 93 | 11 | * | 26 | 9 | 0 | 6 | 9 | * |
| Cerebrovascular disease | 409 | 8 | 8 | * | 9 | * | 0 | * | 218 | 27 | 12 | 50 | 29 | 0 | 17 | 13 | 6 |
| Chronic lower respiratory disease | 358 | * | 17 | 6 | * | * | 0 | * | 179 | 23 | 10 | 60 | 21 | * | 25 | * | * |
| Influenza and pneumonia | 194 | 7 | * | * | * | 0 | 0 | 0 | 107 | 8 | * | 28 | 13 | 0 | 8 | 6 | * |
| Essential (primary) hypertension and hypertensive renal disease | 173 | * | * | * | * | 0 | 0 | * | 99 | * | * | 27 | 12 | 0 | 7 | * | * |
| Nephritis, nephrotic syndrome and nephrosis | 152 | * | 6 | * | * | * | 0 | * | 75 | 8 | 6 | 27 | 14 | 0 | * | * | 0 |
| Septicemia | 117 | 0 | * | * | * | 0 | 0 | * | 54 | * | * | 27 | * | 0 | * | 7 | * |
| Assault (homicide) | 106 | * | * | 0 | 0 | 0 | 0 | * | 56 | 7 | * | 24 | 7 | * | * | * | 0 |
| By discharge of firearms | 68 | * | * | 0 | 0 | 0 | 0 | 0 | 40 | * | 0 | 16 | * | 0 | * | * | 0 |
| By other means | 38 | * | 0 | 0 | 0 | 0 | 0 | * | 16 | * | * | 8 | * | * | 0 | * | 0 |
| Human immunodeficiency virus (HIV) disease | 53 | * | * | * | 0 | 0 | 0 | 0 | 32 | * | * | * | * | 0 | 0 | * | * |
| Viral hepatitis | 39 | * | 0 | * | 0 | 0 | 0 | 0 | 21 | * | * | 8 | * | 0 | * | * | * |
| Total, all causes | 16,060 | 350 | 332 | 275 | 197 | 102 | 26 | 99 | 8,753 | 851 | 432 | 2,351 | 1,020 | 65 | 623 | 478 | 106 |

Note: * Cell suppressed due to non-zero count less than 6.

**TABLE 5E-31
RATES^a FOR THE LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY COUNTY OF RESIDENCE,
ARIZONA, 2021**

| Underlying cause of death | County of residence | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------|---------------------|--------|---------|----------|--------|--------|----------|--------|----------|--------|--------|-------|--------|------------|---------|--------|
| | ARIZONA | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
| COVID-19 | 200.6 | 543.3 | 274.0 | 183.8 | 279.5 | 308.0 | 384.8 | 554.4 | 179.6 | 312.5 | 363.9 | 167.4 | 233.4 | 187.3 | 176.0 | 369.5 |
| Malignant neoplasms | 155.9 | 157.9 | 164.4 | 119.3 | 198.6 | 234.0 | ** | 291.8 | 146.4 | 218.2 | 164.3 | 160.0 | 187.5 | 62.4 | 177.5 | 149.8 |
| Malignant neoplasm of trachea, bronchus and lung | 28.0 | ** | 54.8 | ** | 51.5 | ** | 0.0 | ** | 24.8 | 45.4 | 27.4 | 31.5 | 32.9 | ** | 37.4 | 32.5 |
| Malignant neoplasm of colon, rectum, and anus | 19.6 | ** | ** | ** | ** | 0.0 | 0.0 | ** | 20.3 | 24.4 | ** | 17.8 | 21.9 | ** | 17.1 | ** |
| Malignant neoplasm of breast | 16.7 | 0.0 | ** | ** | ** | ** | 0.0 | ** | 17.2 | 17.5 | ** | 15.3 | 16.0 | ** | 20.2 | 15.0 |
| Malignant neoplasm of pancreas | 12.1 | ** | ** | 22.6 | ** | ** | 0.0 | ** | 11.1 | 24.4 | ** | 13.7 | 11.0 | 0.0 | 14.0 | ** |
| Diseases of heart | 124.2 | 176.9 | 157.5 | 87.1 | 220.7 | 184.8 | ** | 496.1 | 107.2 | 237.4 | 219.1 | 119.4 | 145.6 | 107.0 | 141.7 | 184.8 |
| Accidents (unintentional injury) | 93.6 | 341.1 | 82.2 | 116.1 | 80.9 | 221.7 | ** | 204.3 | 82.1 | 104.8 | 191.7 | 109.0 | 75.8 | ** | 85.6 | 92.4 |
| Accidental poisoning | 52.2 | 120.0 | 47.9 | 54.8 | 44.1 | 110.9 | ** | ** | 48.3 | 12.2 | 97.8 | 65.9 | 46.9 | ** | 48.3 | 52.4 |
| Motor vehicle accidents | 22.6 | 107.4 | ** | 32.3 | ** | 98.5 | ** | ** | 18.7 | 34.9 | 58.7 | 24.0 | 17.0 | ** | 21.8 | 17.5 |
| Falls | 6.2 | ** | ** | ** | ** | 0.0 | 0.0 | 0.0 | 6.0 | ** | ** | 8.3 | ** | 0.0 | ** | ** |
| Chronic liver disease and cirrhosis | 49.7 | 252.7 | 68.5 | 90.3 | 161.8 | ** | 0.0 | 175.1 | 33.9 | 108.2 | 187.8 | 63.0 | 49.9 | ** | 56.1 | 42.4 |
| Diabetes | 39.9 | 75.8 | 37.7 | 19.4 | 88.3 | ** | ** | ** | 35.8 | 40.2 | 78.3 | 48.9 | 60.8 | ** | 15.6 | 40.0 |
| Intentional self-harm (suicide) | 24.0 | 37.9 | 34.2 | 22.6 | 44.1 | 0.0 | 0.0 | ** | 20.1 | 47.1 | 31.3 | 27.8 | 21.9 | ** | 35.8 | 44.9 |
| By discharge of firearms | 14.0 | ** | 20.5 | ** | ** | 0.0 | 0.0 | 0.0 | 11.5 | 27.9 | ** | 17.0 | 13.0 | ** | 26.5 | 22.5 |
| By other means | 10.0 | ** | ** | ** | ** | 0.0 | 0.0 | ** | 8.6 | 19.2 | ** | 10.8 | 9.0 | 0.0 | 9.3 | 22.5 |
| Cerebrovascular disease | 23.7 | 50.5 | 27.4 | ** | 66.2 | ** | 0.0 | ** | 20.2 | 47.1 | 47.0 | 20.7 | 28.9 | 0.0 | 26.5 | 32.5 |
| Chronic lower respiratory disease | 20.8 | ** | 58.2 | 19.4 | ** | ** | 0.0 | ** | 16.6 | 40.2 | 39.1 | 24.9 | 20.9 | ** | 38.9 | ** |
| Influenza and pneumonia | 11.3 | 44.2 | ** | ** | ** | 0.0 | 0.0 | ** | 9.9 | 14.0 | ** | 11.6 | 13.0 | 0.0 | 12.5 | 15.0 |
| Essential (primary) hypertension and hypertensive renal disease | 10.0 | ** | ** | ** | ** | 0.0 | 0.0 | ** | 9.2 | ** | ** | 11.2 | 12.0 | 0.0 | 10.9 | ** |
| Nephritis, nephrotic syndrome and nephrosis | 8.8 | ** | 20.5 | ** | ** | ** | 0.0 | ** | 6.9 | 14.0 | 23.5 | 11.2 | 14.0 | 0.0 | ** | ** |
| Septicemia | 6.8 | 0.0 | ** | ** | ** | 0.0 | 0.0 | ** | 5.0 | ** | ** | 11.2 | ** | 0.0 | ** | 17.5 |
| Assault (homicide) | 6.2 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | ** | 5.2 | 12.2 | ** | 9.9 | 7.0 | ** | ** | ** |
| By discharge of firearms | 3.9 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | ** | 0.0 | 6.6 | ** | 0.0 | ** | ** |
| By other means | 2.2 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 1.5 | ** | ** | 3.3 | ** | ** | 0.0 | ** |
| Human immunodeficiency virus (HIV) disease | 3.1 | ** | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | ** | ** | ** | ** | 0.0 | 0.0 | ** |
| Viral hepatitis | 2.3 | ** | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | ** | 0.0 | 3.3 | ** | 0.0 | ** | ** |
| Total, all causes | 932.1 | 2211.0 | 1137.0 | 887.0 | 1449.0 | 1256.5 | 1250.6 | 2888.8 | 810.5 | 1485.8 | 1690.3 | 974.3 | 1017.3 | 579.6 | 970.1 | 1193.5 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6, ^a All rates are per 100,000 middle-aged adults 45-64 years old.

**TABLE 5E-32
LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | ARIZONA | County of residence | | | | | | | | | | | | | | | |
|------------------------------------------------------------------|---------------|---------------------|--------------|------------|------------|------------|-----------|------------|---------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|------------|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
| Diseases of heart | 12,083 | 86 | 278 | 112 | 189 | 69 | 11 | 67 | 6,479 | 809 | 176 | 1,912 | 770 | 53 | 681 | 358 | 33 |
| Malignant neoplasms | 9,721 | 70 | 263 | 132 | 95 | 50 | 12 | 58 | 5,137 | 606 | 165 | 1,606 | 597 | 57 | 610 | 244 | 19 |
| Malignant neoplasm of trachea, bronchus and lung | 2,100 | * | 68 | 22 | 23 | 7 | * | 19 | 1,114 | 156 | 29 | 316 | 146 | 6 | 126 | 57 | * |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 1,039 | 10 | 22 | 11 | 8 | * | * | 7 | 570 | 47 | 14 | 180 | 59 | 8 | 76 | 20 | * |
| Malignant neoplasm of colon, rectum, and anus | 784 | * | 23 | 15 | * | * | * | * | 386 | 59 | 13 | 132 | 43 | 9 | 60 | 28 | 0 |
| Malignant neoplasm of pancreas | 764 | 6 | 20 | 9 | 15 | * | * | 6 | 416 | 39 | 11 | 117 | 61 | * | 46 | 8 | * |
| Malignant neoplasm of prostate | 705 | 6 | 20 | 8 | 11 | 6 | * | * | 379 | 34 | 14 | 115 | 35 | 8 | 42 | 23 | * |
| Malignant neoplasm of breast | 628 | 6 | 9 | 9 | * | * | 0 | * | 342 | 49 | 12 | 107 | 28 | * | 38 | 14 | 0 |
| COVID-19 | 8,421 | 160 | 221 | 114 | 113 | 58 | 16 | 44 | 4,295 | 552 | 244 | 1,257 | 585 | 54 | 458 | 223 | 27 |
| Chronic lower respiratory disease | 3,135 | 30 | 81 | 32 | 54 | 14 | * | 23 | 1,605 | 259 | 84 | 438 | 204 | 11 | 229 | 66 | * |
| Cerebrovascular disease | 2,847 | 25 | 81 | 27 | 35 | 17 | * | * | 1,524 | 147 | 61 | 518 | 146 | 24 | 139 | 86 | 10 |
| Alzheimer's disease | 2,713 | 12 | 24 | 33 | 37 | 15 | * | * | 1,606 | 129 | 34 | 420 | 150 | 6 | 180 | 59 | * |
| Diabetes | 1,767 | 28 | 55 | 26 | 33 | 20 | * | 10 | 946 | 63 | 42 | 293 | 118 | 11 | 56 | 60 | * |
| Accidents (unintentional injury) | 1,742 | 24 | 35 | 27 | 24 | 9 | * | 6 | 947 | 112 | 40 | 281 | 72 | 10 | 85 | 57 | 11 |
| Falls | 1,005 | 6 | 18 | 19 | 14 | * | * | 0 | 597 | 44 | 20 | 161 | 46 | * | 58 | 13 | * |
| Motor vehicle accidents | 249 | 8 | 9 | * | * | * | 0 | * | 120 | 13 | 10 | 34 | 14 | * | 12 | 13 | * |
| Essential (primary) hypertension and hypertensive renal disease | 1,015 | * | 15 | 13 | 14 | 7 | 0 | 8 | 618 | 37 | 16 | 146 | 58 | 8 | 48 | 24 | 0 |
| Parkinson's disease | 869 | * | 14 | 10 | 7 | * | 0 | * | 517 | 31 | 14 | 146 | 47 | * | 56 | 15 | 0 |
| Influenza and pneumonia | 692 | 8 | 23 | 9 | * | 6 | * | 8 | 350 | 41 | 16 | 108 | 50 | * | 37 | 27 | * |
| Nephritis, nephrotic syndrome and nephrosis | 684 | 13 | 30 | 6 | 11 | * | 0 | * | 286 | 61 | 17 | 142 | 46 | 6 | 35 | 23 | * |
| Septicemia | 356 | * | 9 | * | * | * | 0 | * | 179 | 18 | 7 | 72 | 18 | * | 12 | 17 | * |
| Total, all causes | 58,019 | 619 | 1,397 | 704 | 758 | 342 | 63 | 289 | 30,902 | 3,540 | 1,140 | 9,462 | 3,474 | 330 | 3,312 | 1,554 | 133 |

Note: * Cell suppressed due to non-zero count less than 6.

**TABLE 5E-33
RATES^a FOR THE LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY COUNTY OF RESIDENCE,
ARIZONA, 2021**

| Underlying cause of death | ARIZONA | County of residence | | | | | | | | | | | | | | |
|------------------------------------------------------------------|---------------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Apache | Cochise | Cocoino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
| Diseases of heart | 896.5 | 786.5 | 924.9 | 548.2 | 1172.0 | 1238.3 | 830.8 | 955.2 | 901.9 | 1168.1 | 836.4 | 866.2 | 812.2 | 571.6 | 838.1 | 861.1 |
| Malignant neoplasms | 721.2 | 640.2 | 875.0 | 646.1 | 589.1 | 897.3 | 906.3 | 826.9 | 715.1 | 875.0 | 784.1 | 727.6 | 629.7 | 614.8 | 750.7 | 586.9 |
| Malignant neoplasm of trachea, bronchus and lung | 155.8 | ** | 226.2 | 107.7 | 142.6 | 125.6 | ** | 270.9 | 155.1 | 225.2 | 137.8 | 143.2 | 154.0 | 64.7 | 155.1 | 137.1 |
| Malignant neoplasm of prostate ^b | 113.7 | 121.2 | 139.5 | 82.4 | 139.8 | 234.2 | ** | ** | 117.1 | 99.2 | 140.4 | 114.8 | 77.3 | 188.5 | 109.2 | 115.3 |
| Malignant neoplasm of lymphoid, hematopoietic and related tissue | 77.1 | 91.5 | 73.2 | 53.8 | 49.6 | ** | ** | 99.8 | 79.3 | 67.9 | 66.5 | 81.5 | 62.2 | 86.3 | 93.5 | 48.1 |
| Malignant neoplasm of colon, rectum, and anus | 58.2 | ** | 76.5 | 73.4 | ** | ** | ** | ** | 53.7 | 85.2 | 61.8 | 59.8 | 45.4 | 97.1 | 73.8 | 67.3 |
| Malignant neoplasm of pancreas | 56.7 | 54.9 | 66.5 | 44.1 | 93.0 | ** | ** | 85.5 | 57.9 | 56.3 | 52.3 | 53.0 | 64.3 | ** | 56.6 | 19.2 |
| Malignant neoplasm of breast | 46.6 | 54.9 | 29.9 | 44.1 | ** | ** | 0.0 | ** | 47.6 | 70.7 | 57.0 | 48.5 | 29.5 | ** | 46.8 | 33.7 |
| COVID-19 | 624.8 | 1463.3 | 735.3 | 558.0 | 700.7 | 1040.9 | 1208.5 | 627.3 | 597.9 | 797.0 | 1159.6 | 569.4 | 617.0 | 582.4 | 563.7 | 536.4 |
| Chronic lower respiratory disease | 232.6 | 274.4 | 269.5 | 156.6 | 334.9 | 251.3 | ** | 327.9 | 223.4 | 374.0 | 399.2 | 198.4 | 215.2 | 118.6 | 281.8 | 158.7 |
| Cerebrovascular disease | 211.2 | 228.6 | 269.5 | 132.2 | 217.0 | 305.1 | ** | ** | 212.1 | 212.2 | 289.9 | 234.7 | 154.0 | 258.8 | 171.1 | 206.9 |
| Alzheimer's disease | 201.3 | 109.7 | 79.9 | 161.5 | 229.4 | 269.2 | ** | ** | 223.6 | 186.3 | 161.6 | 190.3 | 158.2 | 64.7 | 221.5 | 141.9 |
| Diabetes | 131.1 | 256.1 | 183.0 | 127.3 | 204.6 | 358.9 | ** | 142.6 | 131.7 | 91.0 | 199.6 | 132.7 | 124.5 | 118.6 | 68.9 | 144.3 |
| Accidents (unintentional injury) | 129.2 | 219.5 | 116.4 | 132.2 | 148.8 | 161.5 | ** | 85.5 | 131.8 | 161.7 | 190.1 | 127.3 | 75.9 | 107.9 | 104.6 | 137.1 |
| Falls | 74.6 | 54.9 | 59.9 | 93.0 | 86.8 | ** | ** | 0.0 | 83.1 | 63.5 | 95.0 | 72.9 | 48.5 | ** | 71.4 | 31.3 |
| Motor vehicle accidents | 18.5 | 73.2 | 29.9 | ** | ** | ** | 0.0 | ** | 16.7 | 18.8 | 47.5 | 15.4 | 14.8 | ** | 14.8 | 31.3 |
| Essential (primary) hypertension and hypertensive renal disease | 75.3 | ** | 49.9 | 63.6 | 86.8 | 125.6 | 0.0 | 114.1 | 86.0 | 53.4 | 76.0 | 66.1 | 61.2 | 86.3 | 59.1 | 57.7 |
| Parkinson's disease | 64.5 | ** | 46.6 | 49.0 | 43.4 | ** | 0.0 | ** | 72.0 | 44.8 | 66.5 | 66.1 | 49.6 | ** | 68.9 | 36.1 |
| Influenza and pneumonia | 51.3 | 73.2 | 76.5 | 44.1 | ** | 107.7 | ** | 114.1 | 48.7 | 59.2 | 76.0 | 48.9 | 52.7 | ** | 45.5 | 64.9 |
| Nephritis, nephrotic syndrome and nephrosis | 50.7 | 118.9 | 99.8 | 29.4 | 68.2 | ** | 0.0 | ** | 39.8 | 88.1 | 80.8 | 64.3 | 48.5 | 64.7 | 43.1 | 55.3 |
| Septicemia | 26.4 | ** | 29.9 | ** | ** | ** | 0.0 | ** | 24.9 | 26.0 | 33.3 | 32.6 | 19.0 | ** | 14.8 | 40.9 |
| Total, all causes | 4304.7 | 5661.2 | 4648.0 | 3446.1 | 4700.5 | 6137.8 | 4758.3 | 4120.3 | 4301.6 | 5111.2 | 5417.7 | 4286.5 | 3664.2 | 3559.1 | 4076.0 | 3737.7 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a All rates are per 100,000 elderly 65 years and older; ^b The rates for prostate cancer are per 100,000 males.

5F

REPORTABLE DISEASES

**TABLE 5F-1
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2021**

| Disease | Arizona | Apache | Cochise | Cocconino | Gila | Graham | Greelee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|-----------------------------------------------------------------|---------|--------|---------|-----------|------|--------|---------|--------|----------|--------|--------|-------|-------|------------|---------|------|
| Vaccine Preventable | | | | | | | | | | | | | | | | |
| Measles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mumps | 0† | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 |
| Pertussis | 190† | 0 | 0 | * | * | * | 0 | 0 | 41 | * | 0 | 91 | 32 | * | 11 | 0 |
| Pertussis confirmed cases | 80† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | * | 0 | 55 | * | 0 | 0 | 0 |
| Rubella | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congenital Rubella Syndrome | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Haemophilus influenzae</i> type b (invasive, age < 5 years) | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tetanus | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 |
| Varicella (chickenpox) | 100† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | * | 0 | * | 10 | * | * | * |
| Central Nervous System | | | | | | | | | | | | | | | | |
| Meningococcal Disease | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Viral Encephalitis | 30† | 0 | 0 | 0 | * | 0 | 0 | 0 | 30 | 0 | 0 | * | * | 0 | 0 | 0 |
| Enteritides | | | | | | | | | | | | | | | | |
| Amebiasis | 20† | 0 | 0 | 0 | * | 0 | 0 | 0 | 8 | 0 | 0 | * | 0 | * | 0 | * |
| Campylobacteriosis | 1,630† | 59 | 93 | 27 | 35 | 18 | * | * | 684 | 59 | 110 | 334 | 72 | 19 | 67 | 53 |
| Cholera | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cryptosporidiosis | 110† | * | * | * | * | 0 | 0 | 0 | 85 | 0 | 0 | 10 | 6 | 0 | * | * |
| <i>E. coli</i> O157:H7 | 280† | * | * | 13 | 10 | * | 0 | 0 | 150 | 0 | * | 56 | 15 | 6 | 13 | 6 |
| Giardiasis | 90† | * | 0 | * | * | * | 0 | 0 | 67 | 0 | 0 | 8 | * | 0 | * | * |
| Salmonellosis (except <i>S. Typhi</i> and <i>S. Paratyphi</i>) | 870† | 16 | 13 | 21 | 9 | 12 | * | 0 | 398 | 8 | 47 | 222 | 66 | 12 | 27 | 14 |
| <i>Salmonella</i> Paratyphi A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Salmonella</i> Paratyphi B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Salmonella</i> Paratyphi C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shigellosis | 380† | * | * | 6 | 7 | * | 0 | 0 | 229 | 0 | * | 86 | 15 | 15 | * | * |
| Typhoid Fever | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mycosis | | | | | | | | | | | | | | | | |
| Coccidioidomycosis (Valley Fever) | 11,490† | 27 | 66 | 54 | 59 | 19 | * | 35 | 8,498 | 153 | 72 | 1,304 | 992 | 25 | 127 | 56 |
| Hepatitides | | | | | | | | | | | | | | | | |
| Hepatitis A | 50† | 0 | * | * | 0 | * | 0 | 0 | 17 | * | * | 7 | 7 | 0 | 0 | * |
| Hepatitis B (acute) | 30† | 0 | * | 0 | 0 | 0 | 0 | 0 | 15 | * | * | * | 0 | 0 | * | * |
| Hepatitis B, Perinatal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hepatitis D | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hepatitis E | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tuberculosis | | | | | | | | | | | | | | | | |
| Pulmonary TB | 110† | 0 | * | * | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 15 | 10 | * | 0 | 18 |
| Total TB | 130† | 0 | * | * | 0 | 0 | 0 | 0 | 80 | 0 | * | 17 | 10 | * | 0 | 18 |

**TABLE 5F-1 (continued)
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2021**

| Disease | Arizona | Apache | Cochise | Cocconino | Gila | Gram | Greelee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|--------------------------------------------------------------------------------------------------------------|---------|--------|---------|-----------|------|------|---------|--------|----------|--------|--------|-------|-------|------------|---------|-------|
| Sexually Transmitted (Arizona total within disease category includes unknown county frequency counts) | | | | | | | | | | | | | | | | |
| Gonorrhea | 18,446 | 222 | 91 | 202 | 73 | 28 | 9 | 24 | 14,021 | 215 | 309 | 2,135 | 739 | 70 | 70 | 238 |
| Gonococcal PID | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | * | 0 | * | 0 | 0 | 0 |
| Resistant Gonorrhea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Syphilis (primary and secondary) | 1,980† | 53 | 15 | 63 | 31 | * | 0 | 9 | 1,429 | 8 | 70 | 190 | 46 | * | 17 | 43 |
| Syphilis-Total | 6,329 | 141 | 31 | 170 | 96 | 28 | 0 | 23 | 4,142 | 48 | 268 | 769 | 344 | 19 | 44 | 206 |
| Chlamydia | 41,517 | 515 | 403 | 929 | 166 | 146 | 38 | 53 | 28,541 | 487 | 663 | 5,977 | 1,784 | 191 | 478 | 1,146 |
| Zoonoses/Vectorborne | | | | | | | | | | | | | | | | |
| Brucellosis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado Tick Fever | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dengue | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | * | 0 | 0 | 0 |
| Ehrlichiosis | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Hantavirus Pulmonary Syndrome | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Human Rabies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lyme Disease | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | * | 0 | 0 | * |
| Malaria | 30† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | * | * | 0 | 0 | 0 |
| Plague | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Relapsing Fever, Tickborne | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rocky Mtn. Spotted Fever | 20† | 0 | 0 | * | * | * | 0 | 0 | * | 0 | 8 | * | 0 | 0 | 0 | 0 |
| St. Louis Encephalitis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Tularemia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Nile Virus | 1,710† | * | * | * | * | * | 0 | 0 | 1,470 | * | * | 103 | 121 | * | * | * |
| Other | | | | | | | | | | | | | | | | |
| Botulism | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Legionellosis | 110† | 0 | 0 | * | 0 | 0 | 0 | 0 | 99 | 0 | * | * | * | 0 | * | * |
| Listeriosis | 10† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | * | * | 0 | 0 | * | * |
| Methicillin Resistant <i>S. aureus</i> (invasive) | 1,500† | 16 | 19 | 18 | 24 | * | * | * | 847 | 16 | 50 | 330 | 71 | * | 80 | 10 |
| Streptococcal Group A (invasive) | 970† | 22 | * | 32 | 13 | * | 0 | * | 555 | * | 36 | 223 | 38 | * | 16 | 14 |
| Streptococcal Group B (invasive disease in infants <90 days old) | 30† | * | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | * | * | * | 0 | * | 0 |
| Streptococcus pneumoniae (invasive) | 800† | 16 | 7 | 18 | * | * | 0 | 0 | 525 | 12 | 33 | 132 | 19 | * | 21 | 9 |
| Toxic Shock Syndrome | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vibrio spp. (except toxogenic <i>V. cholerae</i>) | 50† | 0 | * | 0 | 0 | 0 | 0 | 0 | 34 | * | * | 10 | * | 0 | 0 | * |
| Yersiniosis (except <i>Y. pestis</i>) | 70† | * | * | 0 | 0 | 0 | 0 | 0 | 45 | 0 | * | 18 | * | 0 | * | 0 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Non-resident cases have been excluded. Only incident cases are reported. Cases are counted by date reported to public health. Case counts include both probable and confirmed cases unless otherwise indicated. *E. coli* O157:H7 and Shiga toxin positive *E. coli* since October 2004, *Haemophilus influenzae* type B includes all invasive *H. influenzae* type B, not just meningitis, as of 1995. Meningococcal includes all invasive disease caused by *Neisseria meningitidis*, not just meningitis. Animal rabies cases are not included. Hepatitis E has been reported separately from Hepatitis non-A non-B beginning in 1998. Reported coccidioidomycosis cases were elevated from June 2009 through December 2012 and then declined in 2013 due to changes in reporting practices and laboratory testing from a major commercial laboratory. A change in the criteria for counting Lyme disease in 2013 may account for the increase in cases in that year. For additional statistics on these diseases, please see <http://www.azdhs.gov/preparedness/epidemiology-disease-control/index.php#data-stats>.

TABLE 5F-2
 RATES OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2021

| Disease | Arizona | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|------------------------------------------------------------------------------|---------|--------|---------|----------|-------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|------|
| Vaccine Preventable | | | | | | | | | | | | | | | | |
| Measles | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mumps | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 |
| Pertussis | 2.6 | 0.0 | 0.0 | ** | ** | ** | 0.0 | 0.0 | 0.9 | ** | 0.0 | 8.6 | 7.3 | ** | 4.6 | 0.0 |
| Pertussis (confirmed only) | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | ** | 0.0 | 5.2 | ** | 0.0 | 0.0 | 0.0 |
| Rubella | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Congenital Rubella Syndrome | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <i>Haemophilus influenzae</i> b (invasive disease in children < 5 years old) | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tetanus | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 |
| Varicella (chickenpox) | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | ** | 0.0 | ** | 2.3 | ** | ** | ** |
| Central Nervous System | | | | | | | | | | | | | | | | |
| Meningococcal Disease | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 |
| Viral Encephalitis - Total | 0.5 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| Enteritides | | | | | | | | | | | | | | | | |
| Amebiasis | 0.3 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | ** | 0.0 | ** | 0.0 | ** |
| Campylobacteriosis | 22.4 | 88.8 | 73.5 | 18.3 | 65.4 | 46.1 | ** | ** | 15.2 | 27.2 | 102.1 | 31.6 | 16.4 | 39.2 | 27.8 | 25.6 |
| Cholera | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cryptosporidiosis | 1.5 | ** | ** | ** | ** | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.9 | 1.4 | 0.0 | ** | ** |
| <i>E. coli</i> O157:H7 | 3.8 | ** | ** | 8.8 | 18.7 | ** | 0.0 | 0.0 | 3.3 | 0.0 | ** | 5.3 | 3.4 | 12.4 | 5.4 | 2.9 |
| Giardiasis | 1.2 | ** | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.8 | ** | 0.0 | ** | ** |
| Salmonellosis (except S. Typhi and S. Paratyphi) | 11.9 | 24.1 | 10.3 | 14.2 | 16.8 | 30.7 | ** | 0.0 | 8.8 | 3.7 | 43.6 | 21.0 | 15.0 | 24.8 | 11.2 | 6.8 |
| <i>Salmonella</i> Paratyphi A | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <i>Salmonella</i> Paratyphi B | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <i>Salmonella</i> Paratyphi C | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Shigellosis | 5.1 | ** | ** | 4.1 | 13.1 | ** | 0.0 | 0.0 | 5.1 | 0.0 | ** | 8.1 | 3.4 | 30.9 | ** | ** |
| Typhoid Fever | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mycosis | | | | | | | | | | | | | | | | |
| Coccidioidomycosis (Valley Fever) | 157.7 | 40.7 | 52.2 | 36.6 | 110.2 | 48.7 | ** | 208.1 | 188.5 | 70.7 | 66.8 | 123.2 | 225.9 | 51.6 | 52.7 | 27.0 |
| Hepatitides | | | | | | | | | | | | | | | | |
| Hepatitis A | 0.6 | 0.0 | ** | ** | 0.0 | ** | 0.0 | 0.0 | 0.4 | ** | ** | 0.7 | 1.6 | 0.0 | 0.0 | ** |
| Hepatitis B (acute) | 0.3 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | ** | ** | ** | 0.0 | 0.0 | ** | ** |
| Hepatitis B, Perinatal | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Hepatitis D | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 |
| Hepatitis E | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tuberculosis | | | | | | | | | | | | | | | | |
| Pulmonary TB | 1.5 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 1.4 | 2.3 | ** | 0.0 | 8.7 |
| Total TB | 1.8 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | ** | 1.6 | 2.3 | ** | 0.0 | 8.7 |

**TABLE 5F-2 (continued)
RATES OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2021**

| Disease | Arizona | Apache | Cochise | Coconino | Gila | Gramham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|------------------------------------------------------------------|---------|--------|---------|----------|-------|---------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|
| Sexually Transmitted | | | | | | | | | | | | | | | | |
| Gonorrhea | 253.2 | 334.3 | 72.0 | 137.0 | 136.4 | 71.7 | 93.8 | 142.7 | 311.1 | 99.3 | 286.8 | 201.7 | 168.3 | 144.4 | 29.0 | 114.8 |
| Gonococcal PID | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | ** | 0.0 | ** | 0.0 | 0.0 | 0.0 |
| Resistant Gonorrhea | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Syphilis (primary and secondary) | 27.2 | 79.8 | 11.9 | 42.7 | 57.9 | ** | 0.0 | 53.5 | 31.7 | 3.7 | 65.0 | 18.0 | 10.5 | ** | 7.0 | 20.7 |
| Syphilis-Total | 86.9 | 212.3 | 24.5 | 115.3 | 179.4 | 71.7 | 0.0 | 136.7 | 91.9 | 22.2 | 248.7 | 72.7 | 78.3 | 39.2 | 18.2 | 99.4 |
| Chlamydia | 569.9 | 775.5 | 318.7 | 630.1 | 310.1 | 374.1 | 396.1 | 315.1 | 633.2 | 224.9 | 615.3 | 564.8 | 406.3 | 394.1 | 198.2 | 552.8 |
| Zoonoses/Vectorborne | | | | | | | | | | | | | | | | |
| Brucellosis | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Colorado Tick Fever | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dengue | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 |
| Ehrlichiosis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 |
| Hantavirus Pulmonary Syndrome | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Human Rabies | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Lyme Disease | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | ** |
| Malaria | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| Plague | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Relapsing Fever, Tickborne | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rocky Mtn. Spotted Fever | 0.2 | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 | ** | 0.0 | 7.4 | ** | 0.0 | 0.0 | 0.0 | 0.0 |
| St. Louis Encephalitis | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 |
| Tularemia | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| West Nile Virus | 23.5 | ** | ** | ** | ** | 0.0 | 0.0 | 0.0 | 32.6 | ** | ** | 9.7 | 27.6 | ** | ** | ** |
| Other | | | | | | | | | | | | | | | | |
| Botulism | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | 0.0 | 0.0 | ** | 0.0 |
| Legionellosis | 1.5 | 0.0 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | ** | ** | ** | 0.0 | ** | ** |
| Listeriosis | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | 0.0 | ** | ** | 0.0 | 0.0 | ** | ** |
| Methicillin Resistant <i>S. aureus</i> (invasive) | 20.6 | 24.1 | 15.0 | 12.2 | 44.8 | ** | ** | ** | 18.8 | 7.4 | 46.4 | 31.2 | 16.2 | ** | 33.2 | 4.8 |
| Streptococcal Group A (invasive) | 13.3 | 33.1 | ** | 21.7 | 24.3 | ** | 0.0 | ** | 12.3 | ** | 33.4 | 21.1 | 8.7 | ** | 6.6 | 6.8 |
| Streptococcal Group B (invasive disease in infants <90 days old) | 0.4 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | ** | ** | ** | 0.0 | ** | 0.0 |
| <i>Streptococcus pneumoniae</i> (invasive) | 11.0 | 24.1 | 5.5 | 12.2 | ** | ** | 0.0 | 0.0 | 11.6 | 5.5 | 30.6 | 12.5 | 4.3 | ** | 8.7 | 4.3 |
| Toxic Shock Syndrome | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <i>Vibrio</i> spp. (except toxogenic <i>V. cholerae</i>) | 0.7 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | ** | ** | 0.9 | ** | 0.0 | 0.0 | ** |
| Yersiniosis (except <i>Y. pestis</i>) | 1.0 | ** | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | ** | 1.7 | ** | 0.0 | ** | 0.0 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; Non-resident cases have been excluded. Only incident cases are reported. Cases are counted by date reported to public health. Case counts include both probable and confirmed cases unless otherwise indicated. E. coli O157:H7 and Shiga-toxin positive E. coli since October 2004. Haemophilus influenzae type B includes all invasive H. influenzae type B, not just meningitis, as of 1995. Meningococcal includes all invasive disease caused by *Neisseria meningitidis*, not just meningitis. Animal rabies cases are not included. Hepatitis E has been reported separately from Hepatitis non-A non-B beginning in 1998. Reported coxioidiomycosis cases were elevated from June 2009 through December 2012 and then declined in 2013 due to changes in reporting practices and laboratory testing from a major commercial laboratory. A change in the criteria for counting Lyme disease in 2013 may account for the increase in cases in that year. Rates calculated for Streptococcus Group B (invasive disease in infants <90 days old) represent the number of cases per 1000 live births; all other morbidities are per 100,000 Arizona residents in appropriate county. For additional statistics on these diseases, please see <http://www.azdhs.gov/preparedness/epidemiology-disease-control/index.php#data-stats>.

**TABLE 5F-3
REPORTED NEW HIV/AIDS CASES BY YEAR OF DIAGNOSIS AND COUNTY OF RESIDENCE IN ARIZONA,
1981-2010 AND 2011-2021**

| County | 1981-2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Apache | 65 | 6 | 10 | 7 | 9 | 10 | 8 | 6 | 8 | * | 7 | 9 |
| Cochise | 201 | 11 | 6 | 7 | * | 9 | 7 | * | 7 | * | * | 6 |
| Coconino | 180 | * | * | 12 | 13 | * | 10 | 18 | 10 | 12 | 7 | 8 |
| Gila | 47 | * | 0 | * | * | * | * | * | * | 0 | * | * |
| Graham | 49 | * | 0 | 0 | * | 0 | 0 | * | * | * | * | * |
| Greenlee | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| La Paz | 32 | * | 0 | * | * | 0 | 0 | * | * | * | * | 0 |
| Maricopa | 12,356 | 412 | 490 | 469 | 555 | 518 | 531 | 494 | 540 | 507 | 479 | 531 |
| Mohave | 255 | 11 | * | 12 | * | * | 7 | 7 | 8 | 7 | 9 | 12 |
| Navajo | 104 | 9 | 6 | 13 | 13 | 6 | 10 | 12 | * | 7 | * | * |
| Pima | 2,829 | 56 | 72 | 104 | 94 | 99 | 87 | 110 | 112 | 97 | 88 | 134 |
| Pinal | 588 | 35 | 21 | 43 | 34 | 34 | 44 | 40 | 40 | 76 | 37 | 65 |
| Santa Cruz | 43 | * | * | 0 | * | * | * | 6 | 7 | * | 8 | * |
| Yavapai | 215 | 6 | 7 | 8 | * | 7 | * | 7 | * | 15 | 9 | 13 |
| Yuma | 248 | 10 | 12 | 11 | 8 | 11 | 18 | 15 | 15 | 18 | 15 | 23 |
| Missing | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 |
| ARIZONA | 17,237 | 560† | 640† | 690† | 750† | 710† | 730† | 730† | 760† | 750† | 670† | 810† |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Due to reporting delays, all numbers are provisional (2021 volume as of 07/25/2023); State annual totals may include case reports of persons with no reported county of residence.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/AIDS Services.

5G

**MARRIAGES AND
MARRIAGE DISSOLUTIONS**

**TABLE 5G-1
MARRIAGES BY YEAR AND COUNTY OF OCCURRENCE^a, ARIZONA, 2011-2021**

| County | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARIZONA | 36,713 | 37,064 | 35,791 | 38,911 | 40,439 | 41,105 | 40,939 | 39,691 | 38,599 | 36,867 | 39,453 |
| Apache | 229 | 203 | 159 | 201 | 208 | 196 | 178 | 140 | 148 | 122 | 163 |
| Cochise | 859 | 709 | 736 | 751 | 798 | 746 | 630 | 688 | 527 | 583 | 650 |
| Coconino | 879 | 983 | 841 | 938 | 1,029 | 1,007 | 1,001 | 992 | 895 | 870 | 948 |
| Gila | 289 | 288 | 304 | 326 | 290 | 294 | 303 | 293 | 290 | 255 | 262 |
| Graham | 211 | 304 | 298 | 372 | 324 | 314 | 310 | 300 | 292 | 335 | 269 |
| Greenlee | 51 | 51 | 61 | 63 | 70 | 66 | 60 | 47 | 53 | 59 | 54 |
| La Paz | 117 | 120 | 112 | 135 | 111 | 129 | 113 | 94 | 107 | 116 | 119 |
| Maricopa | 22,748 | 23,552 | 22,519 | 24,411 | 25,454 | 26,294 | 26,629 | 25,705 | 25,006 | 24,228 | 25,469 |
| Mohave | 1,242 | 1,309 | 1,210 | 1,261 | 1,293 | 1,281 | 1,277 | 1,311 | 1,232 | 1,055 | 1,352 |
| Navajo | 464 | 492 | 492 | 504 | 617 | 414 | 489 | 355 | 429 | 375 | 514 |
| Pima | 5,591 | 5,291 | 5,419 | 5,956 | 6,003 | 6,000 | 5,655 | 5,491 | 5,372 | 4,669 | 4,787 |
| Pinal | 1,318 | 1,216 | 1,213 | 1,285 | 1,332 | 1,386 | 1,428 | 1,464 | 1,426 | 1,449 | 1,710 |
| Santa Cruz | 207 | 161 | 139 | 227 | 288 | 253 | 228 | 182 | 193 | 160 | 212 |
| Yavapai | 1,263 | 1,284 | 1,129 | 1,338 | 1,427 | 1,491 | 1,396 | 1,346 | 1,317 | 1,295 | 1,544 |
| Yuma | 1,245 | 1,101 | 1,159 | 1,143 | 1,195 | 1,234 | 1,242 | 1,283 | 1,312 | 1,296 | 1,400 |

Note: ^a Marriages recorded unless otherwise indicated.

**TABLE 5G-2
MARRIAGE RATES^a BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 2011-2021**

| County | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA | 5.7 | 5.7 | 5.4 | 5.8 | 6.0 | 6.0 | 5.9 | 5.6 | 5.4 | 5.1 | 5.4 |
| Apache | 3.2 | 2.8 | 2.2 | 2.8 | 2.9 | 2.7 | 2.4 | 1.9 | 2.1 | 1.8 | 2.5 |
| Cochise | 6.6 | 5.4 | 5.6 | 5.8 | 6.2 | 5.8 | 4.9 | 5.3 | 4.0 | 4.6 | 5.1 |
| Coconino | 6.6 | 7.3 | 6.2 | 6.7 | 7.3 | 7.1 | 6.9 | 6.8 | 6.1 | 6.0 | 6.4 |
| Gila | 5.4 | 5.4 | 5.7 | 6.0 | 5.3 | 5.4 | 5.5 | 5.3 | 5.3 | 4.8 | 4.9 |
| Graham | 5.6 | 8.1 | 7.9 | 9.7 | 8.4 | 8.2 | 8.1 | 7.9 | 7.6 | 8.7 | 6.9 |
| Greenlee | 6.1 | 5.9 | 5.6 | 6.0 | 6.6 | 6.3 | 5.5 | 4.5 | 5.1 | 6.2 | 5.6 |
| La Paz | 5.6 | 5.7 | 5.3 | 6.4 | 5.2 | 6.1 | 5.2 | 4.3 | 4.8 | 7.0 | 7.1 |
| Maricopa | 5.9 | 6.1 | 5.7 | 6.1 | 6.2 | 6.4 | 6.3 | 6.0 | 5.7 | 5.5 | 5.7 |
| Mohave | 6.2 | 6.4 | 5.9 | 6.2 | 6.3 | 6.2 | 6.1 | 6.2 | 5.7 | 4.9 | 6.2 |
| Navajo | 4.3 | 4.6 | 4.5 | 4.6 | 5.6 | 3.7 | 4.4 | 3.1 | 3.8 | 3.5 | 4.8 |
| Pima | 5.7 | 5.3 | 5.4 | 5.9 | 5.9 | 5.9 | 5.5 | 5.3 | 5.1 | 4.5 | 4.5 |
| Pinal | 3.4 | 3.1 | 3.1 | 3.2 | 3.3 | 3.4 | 3.3 | 3.3 | 3.1 | 3.4 | 3.9 |
| Santa Cruz | 4.3 | 3.3 | 2.8 | 4.6 | 5.7 | 5.0 | 4.4 | 3.5 | 3.6 | 3.3 | 4.4 |
| Yavapai | 6.0 | 6.1 | 5.3 | 6.2 | 6.6 | 6.8 | 6.2 | 5.9 | 5.7 | 5.5 | 6.4 |
| Yuma | 6.2 | 5.4 | 5.5 | 5.4 | 5.6 | 5.7 | 5.6 | 5.7 | 5.7 | 6.3 | 6.8 |

Note: ^a Per 1,000 population.

**TABLE 5G-3
MARRIAGES BY COUNTY OF OCCURRENCE² AND MONTH, ARIZONA, 2021**

| County | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------------|--------------------|--------------------|--------------------|-------|--------------------|-------|--------------------|--------------------|--------------------|-------|-------|--------------------|---------------------|
| ARIZONA | 2,970 [†] | 2,400 [†] | 3,560 [†] | 3,676 | 3,350 [†] | 3,308 | 2,310 [†] | 2,260 [†] | 2,580 [†] | 4,335 | 4,323 | 4,380 [†] | 39,450 [†] |
| Apache | 7 | 9 | 9 | 13 | 10 | 18 | 22 | 16 | 24 | 11 | 13 | 11 | 163 |
| Cochise | 40 | 37 | 47 | 58 | 52 | 64 | 38 | 59 | 42 | 71 | 75 | 67 | 650 |
| Coconino | 42 | 43 | 56 | 75 | 88 | 112 | 82 | 69 | 100 | 130 | 78 | 73 | 948 |
| Gila | 7 | 15 | 17 | 23 | 25 | 25 | 16 | 28 | 32 | 31 | 30 | 13 | 262 |
| Graham | 26 | 40 | 26 | 20 | 14 | 43 | 21 | 21 | 18 | 20 | 18 | * | 270 [†] |
| Greenlee | * | * | * | 6 | * | 0 | * | * | * | 8 | 10 | * | 50 [†] |
| La Paz | 10 | 7 | 11 | 18 | 10 | 9 | 8 | * | 6 | 15 | 13 | 10 | 120 [†] |
| Maricopa | 2,039 | 1,541 | 2,306 | 2,479 | 2,328 | 2,074 | 1,368 | 1,355 | 1,564 | 2,742 | 2,896 | 2,777 | 25,469 |
| Mohave | 77 | 69 | 105 | 144 | 165 | 138 | 93 | 74 | 94 | 160 | 135 | 98 | 1,352 |
| Navajo | 40 | 44 | 38 | 42 | 40 | 16 | 29 | 80 | 30 | 40 | 47 | 68 | 514 |
| Pima | 378 | 279 | 461 | 307 | 214 | 367 | 316 | 290 | 321 | 601 | 493 | 760 | 4,787 |
| Pinal | 122 | 96 | 171 | 199 | 132 | 127 | 98 | 83 | 108 | 171 | 199 | 204 | 1,710 |
| Santa Cruz | * | 15 | 17 | 12 | 18 | 20 | 16 | 16 | 19 | 27 | 21 | 26 | 210 [†] |
| Yavapai | 80 | 85 | 162 | 139 | 139 | 171 | 102 | 75 | 128 | 192 | 165 | 106 | 1,544 |
| Yuma | 96 | 120 | 124 | 141 | 112 | 124 | 92 | 92 | 90 | 116 | 130 | 163 | 1,400 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ² Marriages recorded unless otherwise indicated.

**TABLE 5G-4
DISSOLUTIONS^a OF MARRIAGE BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 2011-2021**

| County | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ARIZONA | 25,438 | 28,072 | 26,037 | 26,199 | 24,434 | 23,442 | 24,430 | 21,187 | 21,224 | 18,778 | 19,680 |
| Apache | 69 | 57 | 77 | 73 | 67 | 62 | 72 | 81 | 63 | 55 | 87 |
| Cochise | 589 | 580 | 419 | 379 | 464 | 416 | 283 | 409 | 385 | 303 | 362 |
| Cocconino | 392 | 419 | 382 | 362 | 365 | 365 | 362 | 338 | 361 | 335 | 329 |
| Gila | 159 | 172 | 133 | 165 | 119 | 157 | 123 | 127 | 119 | 131 | 148 |
| Graham | 134 | 185 | 156 | 133 | 162 | 151 | 157 | 125 | 125 | 148 | 118 |
| Greenlee | 39 | 43 | 45 | 51 | 48 | 36 | 32 | 29 | 33 | 44 | 29 |
| La Paz | 37 | 31 | 12 | 16 | 34 | 43 | 54 | 49 | 40 | 40 | 35 |
| Maricopa | 16,108 | 19,047 | 17,922 | 18,241 | 16,324 | 15,597 | 16,878 | 13,429 | 13,883 | 12,104 | 13,072 |
| Mohave | 653 | 616 | 409 | 394 | 579 | 502 | 428 | 409 | 415 | 571 | 651 |
| Navajo | 243 | 245 | 211 | 250 | 214 | 217 | 247 | 219 | 202 | 227 | 232 |
| Pima | 4,175 | 3,917 | 3,777 | 3,685 | 3,422 | 3,298 | 3,225 | 3,380 | 3,198 | 2,621 | 2,642 |
| Pinal | 1,102 | 848 | 617 | 909 | 906 | 856 | 829 | 923 | 973 | 836 | 624 |
| Santa Cruz | 110 | 84 | 97 | 98 | 147 | 151 | 121 | 123 | 149 | 117 | 161 |
| Yavapai | 901 | 1,027 | 786 | 685 | 750 | 756 | 794 | 796 | 798 | 660 | 562 |
| Yuma | 727 | 801 | 994 | 758 | 833 | 835 | 825 | 750 | 480 | 586 | 628 |

Note: ^a Divorces and annulments granted.

**TABLE 5G-5
DISSOLUTIONS OF MARRIAGE RATES^a BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 2011-2021**

| County | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|
| ARIZONA | 4.0 | 4.3 | 4.0 | 3.9 | 3.6 | 3.4 | 3.5 | 3.0 | 3.0 | 2.6 | 2.7 |
| Apache | 1.0 | 0.8 | 1.1 | 1.0 | 0.9 | 0.9 | 1.0 | 1.1 | 0.9 | 0.8 | 1.3 |
| Cochise | 4.5 | 4.4 | 3.2 | 2.9 | 3.6 | 3.2 | 2.2 | 3.1 | 2.9 | 2.4 | 2.9 |
| Coconino | 2.9 | 3.1 | 2.8 | 2.6 | 2.6 | 2.6 | 2.5 | 2.3 | 2.5 | 2.3 | 2.2 |
| Gila | 3.0 | 3.2 | 2.5 | 3.0 | 2.2 | 2.9 | 2.2 | 2.3 | 2.2 | 2.5 | 2.8 |
| Graham | 3.6 | 5.0 | 4.1 | 3.5 | 4.2 | 3.9 | 4.1 | 3.3 | 3.2 | 3.8 | 3.0 |
| Greenlee | 4.7 | 5.0 | 4.1 | 4.9 | 4.5 | 3.5 | 2.9 | 2.8 | 3.2 | 4.6 | 3.0 |
| La Paz | 1.8 | 1.5 | 0.6 | 0.8 | 1.6 | 2.0 | 2.5 | 2.2 | 1.8 | 2.4 | 2.1 |
| Maricopa | 4.2 | 4.9 | 4.5 | 4.6 | 4.0 | 3.8 | 4.0 | 3.1 | 3.2 | 2.7 | 2.9 |
| Mohave | 3.3 | 3.0 | 2.0 | 1.9 | 2.8 | 2.4 | 2.0 | 1.9 | 1.9 | 2.7 | 3.0 |
| Navajo | 2.3 | 2.3 | 1.9 | 2.3 | 2.0 | 2.0 | 2.2 | 1.9 | 1.8 | 2.1 | 2.2 |
| Pima | 4.2 | 4.0 | 3.8 | 3.7 | 3.4 | 3.3 | 3.1 | 3.3 | 3.1 | 2.5 | 2.5 |
| Pinal | 2.9 | 2.2 | 1.6 | 2.3 | 2.2 | 2.1 | 1.9 | 2.1 | 2.1 | 2.0 | 1.4 |
| Santa Cruz | 2.3 | 1.7 | 2.0 | 2.0 | 2.9 | 3.0 | 2.3 | 2.3 | 2.8 | 2.4 | 3.3 |
| Yavapai | 4.3 | 4.9 | 3.7 | 3.2 | 3.4 | 3.4 | 3.5 | 3.5 | 3.4 | 2.8 | 2.3 |
| Yuma | 3.6 | 3.9 | 4.7 | 3.6 | 3.9 | 3.8 | 3.7 | 3.3 | 2.1 | 2.9 | 3.0 |

Note: ^a Per 1,000 population.

**TABLE 5G-6
DISSOLUTIONS^a OF MARRIAGE COUNTY OF OCCURRENCE AND MONTH, ARIZONA, 2021**

| County | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| ARIZONA | 1,710† | 1,610† | 1,630† | 1,750† | 1,540† | 1,670† | 1,720† | 1,830† | 1,590† | 1,620† | 1,570† | 1,460† | 19,680† |
| Apache | 10 | 8 | * | 13 | 6 | * | * | 9 | * | 10 | * | 8 | 90† |
| Cochise | 23 | 42 | 29 | 41 | 29 | 27 | 27 | 27 | 36 | 28 | 25 | 28 | 362 |
| Coconino | 33 | 19 | 19 | 20 | 31 | 38 | 25 | 24 | 33 | 22 | 32 | 33 | 329 |
| Gila | 22 | 10 | 11 | 13 | 9 | 11 | 17 | 14 | 6 | 15 | 7 | 13 | 148 |
| Graham | 9 | * | 14 | 10 | 18 | 10 | 11 | 11 | 7 | 10 | 7 | 6 | 120† |
| Greenlee | * | * | * | * | 0 | 0 | * | * | * | * | * | * | 30† |
| La Paz | * | * | * | * | * | * | * | * | * | * | * | * | 40† |
| Maricopa | 1,213 | 1,135 | 1,158 | 1,094 | 1,053 | 1,099 | 1,124 | 1,175 | 1,010 | 1,101 | 1,026 | 884 | 13,072 |
| Mohave | 46 | 46 | 43 | 70 | 51 | 41 | 66 | 72 | 53 | 44 | 60 | 59 | 651 |
| Navajo | 13 | 15 | 32 | 21 | 14 | 17 | 15 | 35 | 24 | 18 | 26 | 17 | 232 |
| Pima | 183 | 247 | 142 | 297 | 147 | 205 | 244 | 248 | 278 | 209 | 200 | 242 | 2,642 |
| Pinal | 60 | 40 | 49 | 50 | 39 | 53 | 66 | 58 | 54 | 54 | 50 | 51 | 624 |
| Santa Cruz | * | 10 | 13 | 14 | 19 | 14 | 21 | 16 | 8 | 13 | 16 | 12 | 160† |
| Yavapai | 29 | 39 | 44 | 61 | 63 | 73 | 35 | 50 | 33 | 42 | 40 | 53 | 562 |
| Yuma | 52 | 44 | 60 | 42 | 60 | 71 | 57 | 84 | 43 | 50 | 65 | 44 | 628 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ‡ Divorces and annulments granted.

CHAPTER 6

INDICATORS FOR ASSESSING HEALTH STATUS AND MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE 2030 OBJECTIVES:

STATEWIDE TRENDS AND 2021 COUNTY PROFILES

6A. STATEWIDE TRENDS

6B. 2021 COUNTY PROFILES

6A

STATEWIDE TRENDS

**TABLE 6A
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: STATEWIDE TRENDS**

| Focus areas and selected objectives: (in parentheses are Healthy People 2030 (HP) objective numbers) | Baseline for AZ (2020) | ARIZONA RATES, RATIOS OR CASES BY YEAR: | | | | | | | | | | AZ TARGET / (U.S. for HP 2030) |
|------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------|------|------|------|------|------|------|------|------|------|--------------------------------|
| | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | |
| 6A-1. MATERNAL, INFANT, AND CHILD HEALTH | | | | | | | | | | | | |
| Reduce the rate of fetal deaths at 20 or more weeks of gestation (HP-MICH-01) | 6.2 | 6.7 | | | | | | | | | | 5.7 |
| Reduce fetal and infant deaths during perinatal period | 5.6 | 6.1 | | | | | | | | | | 5.9 |
| Reduce the rate of infant deaths (HP-MICH-02) | 5.3 | 5.5 | | | | | | | | | | 5.0 |
| Reduce neonatal deaths | 3.5 | 3.8 | | | | | | | | | | 4.1 |
| Reduce postneonatal deaths | 1.8 | 1.7 | | | | | | | | | | 2.0 |
| Reduce infant deaths due to birth defects | 1.1 | 1.2 | | | | | | | | | | 1.3 |
| Reduce deaths from sudden infant death syndrome (SIDS) | 0.2 | 0.2 | | | | | | | | | | 0.50 |
| Reduce the rate of death among children aged 1 to 4 years | 29.5 | 31.5 | | | | | | | | | | 25.7 |
| Reduce the rate of death among children aged 5 to 9 years | 11.4 | 11.8 | | | | | | | | | | 12.3 |
| Reduce the rate of death among children aged 10 to 14 years | 18.7 | 19.2 | | | | | | | | | | 15.2 |
| Reduce the rate of death among adolescents aged 15 to 19 years | 82.3 | 83.7 | | | | | | | | | | 55.7 |
| Reduce the rate of death among young adults aged 20 to 24 years | 141.9 | 150.2 | | | | | | | | | | 88.5 |
| Reduce maternal deaths | 50.8 | 48.8 | | | | | | | | | | 11.4 |
| Increase the proportion of pregnant women who receive prenatal care in the first trimester | 68.8% | 71.7% | | | | | | | | | | 77.9% |
| Reduce low birth weight (LBW) | 7.4% | 7.9% | | | | | | | | | | 7.8% |
| Reduce very low birth weight (VLBW) | 1.1% | 1.3% | | | | | | | | | | 1.4% |
| Reduce preterm births (HP-MICH-07) | 9.5% | 10.0% | | | | | | | | | | 9.4% |
| Increase abstinence from cigarette smoking among pregnant women (HP-MICH-10) | 95.5% | 95.9% | | | | | | | | | | 95.7% |

Notes: Fetal and perinatal death rates were revised in order to include only spontaneous fetal losses and exclude induced terminations of pregnancy. The fetal death rate is per 1,000 live births plus spontaneous fetal losses of 20 or more weeks of gestation. The perinatal death rate is per 1,000 live births plus spontaneous fetal losses of 28 or more weeks of gestation (Perinatal period = 28 weeks of gestation to 7 days after birth). Infant, neonatal, and postneonatal deaths are per 1,000 live births. Infant deaths due to birth defects, congenital birth defects, and SIDS are per 1,000 live births. All age-specific mortality rates are per 100,000 persons. The maternal mortality ratio is per 100,000 live births. All other proportions and ratios are per 100 live births. Preterm births = births prior to 37 completed weeks of gestation.

** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6.

TABLE 6A (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: STATEWIDE TRENDS

| Focus areas and selected objectives: (in parentheses are Healthy People 2030 (HP) objective numbers) | Baseline for AZ (2020) | ARIZONA RATES, RATIOS OR CASES BY YEAR: | | | | | | | | | | AZ TARGET / (U.S. for HP 2030) |
|---------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------|------|------|------|------|------|------|------|------|------|--------------------------------|
| | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | |
| 6A-2. SEXUALLY TRANSMITTED DISEASES | | | | | | | | | | | | |
| Reduce pregnancies among adolescent females aged 15 to 17 years ^a | 9.3 | 8.3 | | | | | | | | | | 36.2 |
| Reduce proportion of chlamydia infections among females aged 15 to 24 years attending family planning clinics | 6.9 | 8.6 | | | | | | | | | | NA |
| Reduce chlamydia rates among females aged 15 to 44 years ^b | 1694.3 | 1829.9 | | | | | | | | | | NA |
| Reduce gonorrhea rates among females aged 15 to 44 years ^b | 458.4 | 503.4 | | | | | | | | | | NA |
| Reduce gonorrhea rates among males aged 15 to 44 years ^b | 572.2 | 646.4 | | | | | | | | | | NA |
| Reduce sustained transmission of primary and secondary syphilis among females | 8.5 | 13.1 | | | | | | | | | | NA |
| Reduce sustained transmission of primary and secondary syphilis among males | 31.9 | 41.4 | | | | | | | | | | NA |
| Reduce congenital syphilis | 155.0 | 232.5 | | | | | | | | | | NA |
| 6A-3. VACCINE PREVENTABLE DISEASES | | | | | | | | | | | | |
| Reduce or eliminate congenital rubella syndrome | 0 | 0 | | | | | | | | | | 0 |
| Reduce Haemophilus influenzae type b among children under age 5 years | 0 | ** | | | | | | | | | | 0.27 |
| Reduce or eliminate measles | 0 | 0 | | | | | | | | | | 30 |
| Reduce or eliminate mumps | 10 | ** | | | | | | | | | | 500 |
| Reduce or eliminate rubella | 1 | 0 | | | | | | | | | | 10 |
| Reduce the rate of hepatitis A ^c (HP-IID-10) | 0.8 | 0.6 | | | | | | | | | | 0.4 |
| Reduce the rate of meningococcal disease ^c | 3 | ** | | | | | | | | | | 0.3 |
| Reduce tuberculosis cases ^c (HP-IID-17) | 1.9 | 1.8 | | | | | | | | | | 1.4 |

Notes: N/A indicates no target identified by the Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of Sexually Transmitted Infections Control; ^a The pregnancy rate is the number of pregnancies per 1,000 females aged 15 to 19 years; ^b The rates of chlamydia, gonorrhea, and syphilis are per 100,000 persons. The rate of congenital syphilis is per 100,000 live births. Source: The numerators are by report date. The denominators are by the date of birth. Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of Sexually Transmitted Infections Control; ^c The rates of hepatitis A, meningococcal disease, and tuberculosis are per 100,000 persons. Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of Infectious Disease Surveillance Epidemiology and Office of Infectious Disease Control.

TABLE 6A (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: STATEWIDE TRENDS

| Focus areas and selected objectives: (in parentheses are Healthy People 2030 (HP) objective numbers) | Baseline for AZ (2020) | ARIZONA RATES, RATIOS OR CASES BY YEAR: | | | | | | | | | | AZ TARGET / (U.S. for HP 2030) |
|------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------|------|------|------|------|------|------|------|------|------|--------------------------------|
| | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | |
| 6A-4. INJURY AND VIOLENCE | | | | | | | | | | | | |
| Reduce firearm-related deaths (HP-IVP-13) | 17.2 | 18.3 | | | | | | | | | | 10.7 |
| Reduce deaths caused by poisonings | 39.8 | 41.3 | | | | | | | | | | 13.1 |
| Reduce deaths caused by suffocation | 1.2 | 1.6 | | | | | | | | | | 1.7 |
| Reduce unintentional injury deaths (HP-IVP-03) | 71.5 | 77.8 | | | | | | | | | | 43.2 |
| Reduce deaths caused by motor vehicle crashes (HP-IVP-06) | 14.0 | 18.4 | | | | | | | | | | 10.1 |
| Reduce residential fire deaths | 0.5 | 0.5 | | | | | | | | | | 0.86 |
| Reduce fall-related deaths among older adults (HP-IVP-08) | 12.2 | 12.0 | | | | | | | | | | 63.4 |
| Reduce drownings | 1.3 | 1.6 | | | | | | | | | | 1.1 |
| Reduce homicides (HP-IVP-09) | 7.7 | 8.1 | | | | | | | | | | 5.5 |
| Reduce the suicide rate (HP-MHMD-01) | 18.2 | 19.4 | | | | | | | | | | 12.8 |
| Reduce the suicide rate among adolescents aged 15 to 19 years | 14.6 | 14.2 | | | | | | | | | | NA |
| 6A-5. CANCER | | | | | | | | | | | | |
| Reduce the overall cancer death rate (HP-C-01) | 134.7 | 131.8 | | | | | | | | | | 122.7 |
| Reduce the lung cancer death rate (HP-C-02) | 26.8 | 25.8 | | | | | | | | | | 25.1 |
| Reduce the female breast cancer death rate (HP-C-04) | 18.5 | 19.5 | | | | | | | | | | 15.3 |
| Reduce the death rate from cancer of the uterine cervix | 1.7 | 2.5 | | | | | | | | | | 2.2 |
| Reduce the colorectal cancer death rate (HP-C-06) | 12.7 | 12.4 | | | | | | | | | | 8.9 |
| Reduce the oropharyngeal cancer death rate | 2.3 | 2.3 | | | | | | | | | | 2.3 |
| Reduce the prostate cancer death rate (HP-C-08) | 18.5 | 17.2 | | | | | | | | | | 16.9 |
| Reduce the rate of melanoma cancer deaths | 2.3 | 2.3 | | | | | | | | | | 2.4 |

Notes: Firearm-related deaths, deaths caused by poisonings, and deaths caused by suffocation include accidents, homicides, and suicides. Residential fire deaths, deaths from falls, and drowning deaths include only accidents. All mortality rates are per 100,000 persons. All mortality rates that are not age-specific are age-adjusted to the 2000 U.S. standard. The age-adjusted rates for breast and cervical cancer are female specific; the age-adjusted rates for prostate cancer are male specific.

TABLE 6A (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: STATEWIDE TRENDS

| Focus areas and selected objectives: (in parentheses are Healthy People 2030 (HP) objective numbers) | Baseline for AZ (2020) | ARIZONA RATES, RATIOS OR CASES BY YEAR: | | | | | | | | | | AZ TARGET / (U.S. for HP 2030) |
|-----------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------|------|------|------|------|------|------|------|------|------|--------------------------------|
| | | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | |
| 6A-6. DIABETES | | | | | | | | | | | | |
| Reduce the diabetes-related death rate | 87.4 | 91.3 | | | | | | | | | | 65.8 |
| 6A-7. HEART DISEASE AND STROKE | | | | | | | | | | | | |
| Reduce coronary heart disease deaths (HP-HDS-02) | 109.4 | 108.1 | | | | | | | | | | 71.1 |
| Reduce stroke deaths (HP-HDS-03) | 34.6 | 34.4 | | | | | | | | | | 33.4 |
| 6A-8. RESPIRATORY DISEASES | | | | | | | | | | | | |
| Reduce asthma deaths among children and adults <35 years | 7.0 | 4.8 | | | | | | | | | | NA |
| Reduce asthma deaths among adults aged 35 to 64 years | 19.7 | 11.5 | | | | | | | | | | 6.0 |
| Reduce asthma deaths among adults aged 65 years and older | 36.4 | 31.9 | | | | | | | | | | 22.9 |
| Reduce deaths from chronic obstructive pulmonary disease (COPD) among adults aged 45 years and older (HP-RD-05) | 122.1 | 113.7 | | | | | | | | | | 107.2 |
| 6A-9. HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE | | | | | | | | | | | | |
| Reduce the number of new AIDS cases per 100,000 population | 9.7 | 11.1 | | | | | | | | | | 13.0 |
| Reduce deaths from HIV disease | 0.9 | 1.3 | | | | | | | | | | 3.3 |
| 6A-10. SUBSTANCE ABUSE | | | | | | | | | | | | |
| Reduce cirrhosis deaths (HP-SU-02) | 17.4 | 21.6 | | | | | | | | | | 10.9 |
| Reduce drug-induced deaths | 38.4 | 40.6 | | | | | | | | | | 11.3 |

Mortality rates for asthma are per 1,000,000 population. All other mortality rates are per 100,000 persons. Mortality rates for diabetes, coronary heart disease, stroke, chronic lower respiratory disease, HIV disease, cirrhosis and drug-induced deaths are age-adjusted to the 2000 U.S. standard.

The rates for prior years are revised annually and reflect reported new HIV/AIDS cases by year of diagnosis. **Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of HIV and HCV Care and Surveillance (OOHCS) HIV/AIDS Services.**

6B

2020 COUNTY PROFILES

**TABLE 6B
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: 2021 COUNTY PROFILES**

| Focus areas and selected objectives: (in parentheses are <i>Healthy People (HP)</i> 2030 objective numbers) | AZ TARGET / (U.S. for HP 2030) | RATES, RATIOS OR CASES IN 2021 | | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------|--------|---------|----------|-------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|
| | | Arizona | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
| 6B-1. MATERNAL, INFANT AND CHILD HEALTH | | | | | | | | | | | | | | | | | |
| Reduce the rate of fetal deaths at 20 or more weeks of gestation (HP-MICH-01) | 5.7 | 6.7 | ** | 6.4 | 7.6 | 13.1 | ** | 0.0 | ** | 6.9 | 6.6 | 6.6 | 6.2 | 11.7 | 8.6 | 3.1 | |
| Reduce fetal and infant deaths during perinatal period | 5.9 | 6.1 | ** | ** | 7.6 | ** | 0.0 | ** | ** | 6.1 | 7.7 | ** | 4.3 | ** | 7.5 | 4.8 | |
| Reduce the rate of infant deaths (HP-MICH-02) | 5.0 | 5.5 | ** | 5.6 | 4.6 | ** | 0.0 | ** | ** | 5.5 | 5.5 | 5.0 | 5.4 | ** | ** | 6.6 | |
| Reduce neonatal deaths | 4.1 | 3.8 | ** | ** | ** | ** | 0.0 | ** | ** | 3.9 | 3.9 | ** | 2.7 | ** | ** | ** | |
| Reduce postneonatal deaths | 2.0 | 1.7 | ** | ** | ** | ** | 0.0 | 0.0 | 0.0 | 1.6 | ** | ** | 1.5 | ** | 0.0 | ** | |
| Increase the proportion of pregnant women who receive prenatal care in the first trimester | 77.9% | 71.7% | 63.6% | 58.4% | 67.0% | 62.8% | 69.2% | 48.5% | 74.0% | 69.4% | 69.0% | 68.8% | 73.8% | 54.1% | 75.2% | 57.6% | |
| Reduce low birth weight (LBW) | 7.8% | 7.9% | 8.0% | 9.6% | 8.2% | 9.1% | 14.5% | 6.1% | 7.8% | 6.9% | 9.8% | 8.5% | 7.2% | 6.9% | 7.5% | 6.7% | |
| Reduce very low birth weight (VLBW) | 1.4% | 1.3% | 1.2% | 1.3% | 0.7% | 1.5% | ** | ** | 1.3% | 1.2% | 1.5% | 1.3% | 1.2% | ** | 0.9% | 1.3% | |
| Reduce preterm births (HP-MICH-07) | 9.4% | 10.0% | 10.9% | 10.3% | 10.2% | 14.6% | 19.7% | 10.3% | 10.1% | 8.8% | 11.5% | 9.7% | 9.5% | 7.9% | 8.8% | 9.6% | |
| Increase abstinence from cigarette smoking among pregnant women (HP-MICH-10) | 95.7% | 95.9% | 76.6% | 93.4% | 94.9% | 89.4% | 79.5% | 89.1% | 97.4% | 79.9% | 92.4% | 95.3% | 95.6% | 99.0% | 91.4% | 96.7% | |
| 6B-2. SEXUALLY TRANSMITTED DISEASES^c | | | | | | | | | | | | | | | | | |
| Reduce pregnancies among adolescent females aged 15 to 17 years ^a | 36.2 | 8.3 | 11.9 | 11.5 | 13.1 | 22.1 | 13.9 | ** | ** | 7.3 | 9.0 | 15.0 | 7.5 | 7.8 | 14.9 | 8.8 | 13.2 |
| Reduce gonorrhea rates among females aged 15-44 years ^b | N/A | 503.4 | 1000.7 | 219.6 | 263.8 | 552.6 | 224.2 | ** | 398.0 | 561.7 | 288.9 | 907.8 | 403.1 | 477.6 | 302.6 | 83.4 | 339.9 |
| Reduce the sustained transmission of primary and secondary syphilis among males ^b | N/A | 27.2 | 79.8 | 11.9 | 42.7 | 57.9 | ** | 0.0 | 53.5 | 31.7 | 3.7 | 65.0 | 18.0 | 10.5 | ** | 7.0 | 20.7 |

Notes: N/A indicates no target identified by the Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of Sexually Transmitted Infections Control.

Fetal and perinatal death rates were revised in order to include only spontaneous fetal losses and exclude induced terminations of pregnancy. The fetal death rate is per 1,000 live births plus spontaneous fetal losses of 20 or more weeks of gestation. The perinatal death rate is per 1,000 live births plus spontaneous fetal losses of 28 or more weeks of gestation (Perinatal period = 28 weeks of gestation to 7 days after birth). Infant, neonatal, and postneonatal deaths are per 1,000 live births. Source: **Arizona Department of Health Services, Vital Statistics Program.**

All other proportions and ratios are per 100 live births. Preterm births = births prior to 37 completed weeks of gestation;^a The pregnancy rates are per 1,000 females 15-17 years old; ^b The incidence rates of gonorrhea and primary and secondary syphilis are per 100,000 population.

The rates based on fewer than 10 cases are not statistically reliable. See Tables 5A-1, 5B-16, 5C-1, 5C-3, 5E-16, 5E-21, 5E-23, 5F-1 for the numerators.

** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6.

TABLE 6B (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: 2021 COUNTY PROFILES

| Focus areas and selected objectives: (in parentheses are <i>Healthy People (HP)</i> 2030 objective numbers) | AZ TARGET / (U.S. for HP 2030) | RATES, RATIOS OR CASES IN 2021 | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------|--------|---------|----------|-------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|
| | | Arizona | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Yuma | Pinal | Santa Cruz | Yavapai |
| 6B-3. VACCINE PREVENTABLE DISEASES | | | | | | | | | | | | | | | | |
| Reduce the rate of hepatitis A (HP-IID-10) | 0.4 | 0.6 | 0.0 | ** | 0.0 | ** | 0.0 | 0.0 | 0.4 | ** | ** | 0.0 | 0.0 | 1.6 | 0.0 | ** |
| Reduce the rate of meningococcal disease | 0.3 | ** | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | ** | ** | 0.0 | 0.0 | 0.0 |
| Reduce tuberculosis cases (HP-IID-17) | 1.4 | 1.8 | 0.0 | ** | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | ** | ** | 1.6 | 2.3 | ** | 0.0 | 8.7 |
| 6B-4. INJURY AND VIOLENCE | | | | | | | | | | | | | | | | |
| Reduce firearm-related deaths (HP-IVP-13) | 10.7 | 18.3 | 33.2 | 21.5 | 34.3 | 21.1 | 0.0 | 47.9 | 16.2 | 26.2 | 25.0 | 21.7 | 21.6 | ** | 20.7 | 14.1 |
| Reduce unintentional injury deaths (HP-IVP-03) | 43.2 | 77.8 | 226.3 | 63.4 | 92.8 | 110.9 | 81.7 | 119.4 | 72.2 | 80.0 | 168.8 | 83.0 | 64.9 | 57.0 | 79.8 | 71.7 |
| Reduce deaths caused by motor vehicle crashes (HP-IVP-06) | 10.1 | 18.4 | 92.2 | 17.1 | 21.8 | 43.4 | ** | 61.1 | 15.5 | 30.7 | 52.3 | 16.8 | 17.8 | 14.0 | 17.3 | 18.2 |
| Reduce fall-related deaths among older adults (HP-IVP-08) | 63.4 | 12.0 | 14.0 | 8.6 | 19.6 | 16.1 | ** | 0.0 | 13.0 | 10.5 | 20.5 | 11.8 | 7.9 | ** | 12.1 | 4.5 |
| Reduce homicides (HP-IVP-09) | 5.5 | 8.1 | 30.7 | 7.2 | ** | ** | 0.0 | ** | 7.7 | 7.9 | 13.4 | 10.5 | 8.7 | ** | ** | 6.0 |
| Reduce the suicide rate (HP-MHMD-01) | 12.8 | 19.4 | 65.1 | 29.2 | 44.8 | 21.1 | ** | 33.4 | 15.8 | 32.0 | 50.1 | 20.1 | 20.4 | ** | 30.9 | 18.2 |
| 6B-5. CANCER | | | | | | | | | | | | | | | | |
| Reduce the overall cancer death rate (HP-C-01) | 122.7 | 131.8 | 135.8 | 148.1 | 116.7 | 118.8 | 175.1 | 195.9 | 129.6 | 165.7 | 143.1 | 131.5 | 127.9 | 103.3 | 139.4 | 110.3 |
| Reduce the lung cancer death rate (HP-C-02) | 25.1 | 25.8 | 8.9 | 38.5 | 15.6 | 25.3 | ** | 52.3 | 25.5 | 37.1 | 20.6 | 24.2 | 26.2 | 14.1 | 27.1 | 24.5 |
| Reduce the female breast cancer death rate (HP-C-04) | 15.3 | 19.5 | 24.4 | 11.8 | 17.4 | 13.5 | ** | 39.3 | 20.2 | 27.1 | 22.1 | 17.7 | 14.7 | ** | 19.9 | 13.7 |
| Reduce the colorectal cancer death rate (HP-C-06) | 8.9 | 12.4 | 13.4 | 11.5 | 14.3 | ** | ** | ** | 12.0 | 16.7 | 11.5 | 12.2 | 11.0 | 18.6 | 14.9 | 10.8 |
| Reduce the prostate cancer death rate (HP-C-08) | 16.9 | 17.2 | 19.2 | 19.9 | 15.0 | 19.3 | ** | ** | 17.7 | 14.3 | 24.6 | 16.6 | 13.7 | 27.1 | 18.1 | 18.0 |

Notes: The rates of hepatitis A, meningococcal disease, and tuberculosis are per 100,000 persons. Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of Infectious Disease Surveillance Epidemiology and Office of Infectious Disease Control. All mortality rates are adjusted to the 2000 standard population and expressed per 100,000 population. The age-adjusted rates for breast and cervical cancer are female specific; the age-adjusted rates for prostate cancer are male specific.

**TABLE 6B (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: 2021 COUNTY PROFILES**

| Focus areas and selected objectives: (in parentheses are <i>Healthy People (HP)</i> 2030 objective numbers) | AZ TARGET / (U.S. for HP 2030) | RATES, RATIOS OR CASES IN 2021 | | | | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------|--------|---------|---------|-------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|
| | | Arizona | Apache | Cochise | Cocoino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
| 6B-6. DIABETES | | | | | | | | | | | | | | | | | |
| Reduce the diabetes-related death rate | 65.8 | 91.3 | 177.5 | 97.5 | 105.1 | 129.1 | 200.4 | 150.8 | 132.5 | 91.1 | 67.3 | 161.3 | 86.4 | 90.7 | 64.9 | 66.4 | 120.3 |
| 6B-7. HEART DISEASE AND STROKE | | | | | | | | | | | | | | | | | |
| Reduce coronary heart disease deaths (HP-HDS-02) | 71.1 | 108.1 | 118.2 | 117.9 | 69.1 | 165.7 | 133.2 | 82.8 | 169.5 | 104.0 | 165.4 | 136.5 | 100.2 | 108.0 | 79.2 | 112.4 | 113.4 |
| Reduce stroke deaths (HP-HDS-03) | 33.4 | 34.4 | 45.3 | 43.2 | 26.7 | 41.8 | 46.3 | ** | 30.3 | 33.6 | 38.8 | 57.3 | 36.1 | 29.4 | 35.9 | 30.8 | 32.6 |
| 6B-8. RESPIRATORY DISEASES | | | | | | | | | | | | | | | | | |
| Reduce deaths from chronic obstructive pulmonary disease (COPD) among adults aged 45 years and older (HP-RD-05) | 107.2 | 113.7 | 119.6 | 165.4 | 73.9 | 188.4 | 116.9 | ** | 258.6 | 99.2 | 222.9 | 201.7 | 107.8 | 115.3 | 63.5 | 174.6 | 85.8 |
| 6B-9. HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE | | | | | | | | | | | | | | | | | |
| Reduce the number of new AIDS cases per 100,000 population | 13.0 | 10.6 | ** | ** | 5.4 | ** | ** | 0.0 | 0.0 | 11.2 | 4.6 | ** | 12.4 | 14.8 | ** | 5.0 | 9.7 |
| Reduce deaths from HIV disease | 3.3 | 1.3 | ** | ** | ** | 0.0 | 0.0 | 0.0 | ** | 1.3 | ** | ** | 0.9 | 1.2 | 0.0 | 0.0 | ** |
| 6B-10. SUBSTANCE ABUSE | | | | | | | | | | | | | | | | | |
| Reduce cirrhosis deaths (HP-SU-02) | 10.9 | 21.6 | 114.1 | 23.1 | 50.5 | 99.7 | 24.8 | 0.0 | 94.6 | 15.9 | 37.6 | 99.1 | 22.5 | 20.0 | ** | 22.6 | 19.5 |
| Reduce drug-induced deaths | 11.3 | 40.6 | 48.0 | 36.2 | 32.9 | 63.1 | 43.8 | ** | 54.0 | 38.7 | 37.6 | 60.8 | 48.5 | 33.2 | 32.8 | 47.1 | 36.8 |

Notes: All mortality rates are age-adjusted to the 2000 U.S. standard and expressed per 100,000 population. The incidence rates of reported new HIV/ AIDS cases are based on numerators provided by the **Bureau of Infectious Disease and Services, Office of HIV and HCV Care & Surveillance** (see Table 5F-3).

The rates for new HIV/AIDS cases were calculated using the population table 10a1.

CHAPTER 7

HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY COUNTY OF RESIDENCE IN 2021

- 7A. DISCHARGES FROM SHORT-STAY HOSPITALS
BY FIRST-LISTED DIAGNOSIS**
- 7B. DISCHARGES FROM SHORT-STAY HOSPITALS
BY ALL-LISTED PROCEDURES**
- 7C. CHARACTERISTICS OF EMERGENCY
ROOM VISITS BY DISEASE CATEGORY AND
DIAGNOSIS GROUP**
- 7D. INJURY-RELATED INPATIENT DISCHARGES AND
EMERGENCY ROOM VISITS BY INTENT AND
MECHANISM OF INJURY BY COUNTY OF
RESIDENCE**

7A

DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS

**TABLE 7A-1
NUMBER OF DISCHARGES* BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| Category of first-listed diagnosis | County of residence | | | | | | | | | | | | | | | |
|--------------------------------------------------------------|---------------------|---------|----------|-------|--------|----------|--------|----------|--------|--------|--------|--------|------------|---------|--------|---------|
| | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
| Total | 678,607 | 13,007 | 9,342 | 6,841 | 2,610 | 588 | 2,216 | 394,145 | 20,931 | 12,010 | 96,770 | 43,595 | 3,779 | 24,967 | 17,270 | 25,907 |
| Infectious and parasitic diseases | 70,465 | 1,094 | 540 | 651 | 164 | 43 | 216 | 42,069 | 2,538 | 1,253 | 9,531 | 5,517 | 311 | 1,474 | 1,771 | 2,828 |
| Septicemia | 63,859 | 1,014 | 469 | 610 | 144 | 38 | 197 | 37,920 | 2,378 | 1,149 | 8,646 | 5,058 | 283 | 1,268 | 1,651 | 2,607 |
| Enterocolitis due to <i>Clostridium difficile</i> | 1,580† | * | 32 | 26 | 14 | * | 6 | 902 | 54 | 21 | 202 | 138 | 6 | 92 | 32 | 47 |
| Neoplasms | 21,629 | 117 | 398 | 251 | 228 | 67 | 78 | 12,503 | 595 | 303 | 3,120 | 1,427 | 124 | 803 | 537 | 1,061 |
| Malignant neoplasms | 18,069 | 90 | 334 | 193 | 59 | 12 | 74 | 10,467 | 511 | 252 | 2,589 | 1,204 | 99 | 658 | 454 | 878 |
| Large intestine | 2,490† | 18 | 55 | 28 | 19 | 13 | 8 | 1,399 | 83 | 42 | 364 | 158 | 16 | 117 | 71 | 99 |
| Prostate | 620† | * | 14 | 12 | 7 | 0 | * | 343 | 12 | * | 131 | 50 | * | 21 | 9 | 13 |
| Trachea bronchus and lung | 2,200† | * | 50 | 15 | 29 | * | 15 | 1,329 | 91 | 25 | 251 | 141 | 10 | 68 | 74 | 94 |
| Breast | 860† | * | 9 | 9 | 7 | * | 0 | 590 | 27 | * | 71 | 54 | * | 21 | 17 | 39 |
| Benign neoplasms | 2,750† | 19 | 46 | 41 | 31 | 6 | * | 1,585 | 59 | 36 | 398 | 188 | 18 | 113 | 69 | 139 |
| Endocrine nutritional metabolic and immunity diseases | 29,061 | 197 | 535 | 373 | 328 | 96 | 18 | 16,227 | 1,023 | 548 | 4,519 | 2,133 | 189 | 954 | 784 | 1,009 |
| Diabetes mellitus | 14,234 | 100 | 272 | 201 | 210 | 58 | 8 | 7,727 | 469 | 302 | 2,177 | 1,083 | 97 | 446 | 401 | 606 |
| Volume depletion | 1,290† | 7 | 20 | 12 | 8 | * | 0 | 760 | 68 | 17 | 217 | 68 | 7 | 37 | 9 | 53 |
| Morbid obesity | 3,790† | 10 | 68 | 18 | 28 | 19 | * | 2,285 | 31 | 30 | 709 | 334 | 30 | 62 | 131 | 30 |
| Diseases of the blood and blood forming organs | 5,690† | 21 | 85 | 59 | 33 | 10 | * | 3,547 | 177 | 71 | 736 | 365 | 32 | 177 | 177 | 174 |
| Mental disorders | 74,628 | 625 | 1,323 | 1,388 | 651 | 256 | 39 | 46,730 | 670 | 1,524 | 11,475 | 3,440 | 248 | 2,213 | 691 | 3,260 |
| Psychoses | 45,119 | 344 | 791 | 826 | 413 | 131 | 23 | 27,619 | 439 | 827 | 7,491 | 1,943 | 148 | 1,395 | 421 | 2,245 |
| Alcoholic psychoses | 6,190† | 83 | 80 | 152 | 79 | 29 | * | 3,272 | 127 | 168 | 1,381 | 267 | 19 | 185 | 53 | 283 |
| Drug psychoses | 950† | 6 | 20 | 16 | * | * | 0 | 406 | 11 | 12 | 283 | 35 | * | 44 | 11 | 99 |
| Schizophrenic disorders | 9,867 | 61 | 155 | 117 | 69 | 26 | 7 | 6,245 | 46 | 127 | 1,735 | 285 | 38 | 172 | 142 | 634 |
| Manic-depressive disorders | 41,564 | 326 | 706 | 627 | 368 | 167 | 20 | 27,932 | 310 | 848 | 5,060 | 2,195 | 128 | 1,185 | 348 | 1,300 |
| Neurotic disorders | 17,029 | 213 | 407 | 628 | 179 | 53 | 6 | 8,966 | 259 | 531 | 3,103 | 845 | 45 | 720 | 148 | 900 |
| Anxiety states | 810† | * | 33 | 40 | * | 0 | * | 497 | * | 22 | 82 | 50 | * | 35 | * | 32 |
| Depression | 25,532 | 282 | 443 | 465 | 220 | 101 | 12 | 17,089 | 202 | 637 | 2,974 | 1,349 | 71 | 745 | 243 | 670 |
| Drug dependence | 3,070† | 9 | 19 | 26 | 25 | 6 | * | 1,939 | 10 | 15 | 739 | 110 | 11 | 61 | 11 | 76 |
| Nondependent abuse of drugs | 310† | 7 | 8 | 14 | * | * | 0 | 127 | 6 | 36 | 46 | 10 | 0 | 35 | * | 18 |
| Alcohol dependence | 8,280† | 125 | 104 | 246 | 113 | 36 | * | 4,454 | 154 | 238 | 1,669 | 335 | 20 | 337 | 62 | 369 |
| Diseases of the nervous system | 16,535 | 98 | 343 | 258 | 136 | 48 | 8 | 9,124 | 421 | 234 | 2,743 | 986 | 75 | 615 | 667 | 735 |
| Diseases of the eye and adnexa | 580† | * | 21 | 8 | * | * | 0 | 295 | 11 | 9 | 130 | 34 | * | 12 | 22 | 31 |
| Diseases of the ear and mastoid process | 540† | 8 | * | * | * | * | 0 | 321 | 13 | 7 | 100 | 30 | * | 9 | 12 | 21 |
| Diseases of the circulatory system | 94,949 | 592 | 1,943 | 1,130 | 1,107 | 288 | 68 | 404 | 4,142 | 1,575 | 13,875 | 6,149 | 463 | 4,634 | 2,625 | 3,929 |
| Heart disease | 63,402 | 387 | 1,333 | 715 | 781 | 201 | 52 | 287 | 3,117 | 1,061 | 9,245 | 4,061 | 313 | 3,186 | 1,767 | 2,670 |
| Acute myocardial infarction | 11,883 | 99 | 303 | 127 | 204 | 62 | 22 | 62 | 5,870 | 732 | 224 | 1,629 | 828 | 74 | 595 | 666 |
| Coronary atherosclerosis | 4,830† | 31 | 119 | 33 | 66 | 17 | * | 23 | 2,435 | 242 | 75 | 824 | 20 | 269 | 131 | 196 |

**TABLE 7A-1 (continued)
NUMBER OF DISCHARGES* BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | County of residence | | | | | | | | | | | | | | | |
|----------------------------------------------|---------|---------------------|---------|---------|------|--------|----------|--------|----------|--------|--------|--------|-------|------------|---------|-------|---------|
| | | Apache | Cochise | Cocoino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
| Other ischemic heart disease | 350† | * | 7 | * | 6 | * | 0 | * | 174 | 22 | 9 | 48 | 18 | * | 19 | 7 | 26 |
| Cardiac dysrhythmias | 13,260† | 61 | 272 | 140 | 147 | 36 | * | 66 | 7,327 | 569 | 165 | 2,010 | 804 | 52 | 722 | 350 | 536 |
| Cardiac arrest | 290† | * | 6 | * | 8 | 0 | 0 | * | 170 | 9 | 6 | 34 | 16 | * | 13 | 10 | 11 |
| Congestive heart failure | 2,100† | 18 | 51 | 36 | 21 | 12 | * | 16 | 980 | 161 | 56 | 326 | 135 | 9 | 117 | 50 | 104 |
| Cerebrovascular diseases | 21,148 | 146 | 441 | 281 | 228 | 52 | 9 | 89 | 11,706 | 637 | 351 | 3,161 | 1,397 | 114 | 1,020 | 623 | 893 |
| Diseases of the respiratory system | 34,434 | 242 | 793 | 435 | 320 | 86 | 21 | 141 | 19,429 | 1,392 | 706 | 4,879 | 2,245 | 204 | 1,583 | 751 | 1,207 |
| Acute bronchitis and bronchiolitis | 1,890† | 13 | 33 | 36 | 11 | * | 0 | * | 1,002 | 61 | 120 | 272 | 156 | 18 | 112 | 18 | 33 |
| Pneumonia | 8,944 | 77 | 262 | 115 | 86 | 22 | 7 | 44 | 4,742 | 438 | 149 | 1,210 | 558 | 70 | 549 | 267 | 348 |
| Chronic bronchitis | 3,830† | 13 | 82 | 35 | 48 | * | * | 21 | 2,146 | 207 | 69 | 543 | 246 | 11 | 174 | 91 | 133 |
| Asthma | 1,890† | 11 | 38 | 26 | 15 | * | * | * | 1,120 | 33 | 41 | 361 | 113 | 17 | 51 | 22 | 35 |
| COVID-19 | 38,827 | 358 | 928 | 719 | 567 | 281 | 72 | 207 | 21,577 | 1,944 | 931 | 4,031 | 2,557 | 229 | 1,977 | 991 | 1,458 |
| Diseases of the digestive system | 58,620 | 549 | 1,207 | 977 | 666 | 225 | 43 | 206 | 32,218 | 2,026 | 1,258 | 8,658 | 3,920 | 400 | 2,416 | 1,480 | 2,371 |
| Appendicitis | 2,440† | 12 | 51 | 38 | 25 | 11 | * | 8 | 1,265 | 102 | 39 | 436 | 124 | 28 | 132 | 62 | 103 |
| Noninfectious enteritis and colitis | 4,660† | 20 | 91 | 47 | 25 | 14 | * | 10 | 2,828 | 155 | 49 | 624 | 291 | 34 | 180 | 111 | 183 |
| Diverticula of intestine | 4,952 | 19 | 89 | 50 | 51 | 16 | 6 | 18 | 2,916 | 177 | 65 | 697 | 335 | 30 | 221 | 109 | 153 |
| Cholelithiasis | 2,870† | 30 | 56 | 49 | 36 | 8 | * | 16 | 1,411 | 87 | 79 | 526 | 196 | 36 | 147 | 72 | 116 |
| Diseases of the genitourinary system | 24,645 | 138 | 498 | 273 | 243 | 74 | 17 | 81 | 13,744 | 940 | 337 | 3,711 | 1,656 | 188 | 990 | 703 | 1,052 |
| Calculus of kidney and ureter | 350† | * | * | 7 | * | * | 0 | 0 | 164 | 14 | * | 63 | 28 | * | 30 | 6 | 16 |
| Diseases of the skin and subcutaneous tissue | 10,899 | 73 | 168 | 167 | 105 | 27 | 6 | 45 | 6,396 | 270 | 210 | 1,572 | 636 | 43 | 406 | 257 | 518 |
| Cellulitis and abscess | 7,350† | 41 | 124 | 109 | 65 | 17 | * | 32 | 4,332 | 183 | 131 | 1,051 | 397 | 28 | 294 | 173 | 370 |
| Diseases of the musculoskeletal system | 26,169 | 173 | 612 | 452 | 335 | 151 | 37 | 100 | 14,970 | 856 | 373 | 3,675 | 1,646 | 137 | 1,332 | 405 | 915 |
| Osteoarthritis and allied disorders | 6,472 | 40 | 212 | 121 | 106 | 66 | 15 | 18 | 3,835 | 240 | 73 | 620 | 457 | 21 | 436 | 70 | 142 |
| Invertebral disc disorders | 2,160† | 9 | 34 | 35 | 18 | * | * | 8 | 1,301 | 106 | 24 | 291 | 106 | 12 | 125 | 31 | 54 |
| Congenital anomalies | 2,220† | 14 | 36 | 35 | 20 | * | 6 | * | 1,329 | 38 | 45 | 239 | 128 | 9 | 58 | 58 | 198 |
| Conditions originating in perinatal period | 1,941 | 22 | 45 | 40 | 29 | 28 | 8 | 7 | 1,107 | 106 | 63 | 208 | 151 | 25 | 50 | 32 | 20 |
| Symptoms signs and ill-defined conditions | 10,957 | 93 | 327 | 133 | 73 | 33 | 6 | 55 | 5,818 | 361 | 202 | 1,845 | 595 | 65 | 694 | 252 | 405 |
| Injury and poisoning | 67,084 | 559 | 1,255 | 866 | 759 | 251 | 47 | 180 | 37,670 | 1,600 | 1,201 | 10,181 | 4,251 | 452 | 2,501 | 1,809 | 3,502 |
| Fractures, all sites | 22,068 | 158 | 476 | 248 | 255 | 73 | 13 | 60 | 11,766 | 738 | 371 | 3,572 | 1,231 | 189 | 1,024 | 629 | 1,265 |
| Fracture of neck of femur | 7,630† | 35 | 176 | 55 | 82 | 24 | * | 21 | 4,004 | 382 | 103 | 1,267 | 436 | 48 | 387 | 205 | 400 |
| Poisonings | 4,920† | 36 | 89 | 73 | 40 | 19 | * | * | 2,856 | 111 | 99 | 785 | 252 | 22 | 165 | 89 | 274 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6* Excluding newborn infants.

**TABLE 7A-2
NUMBER OF DISCHARGES^a BY GENDER, AGE GROUP, RACE/ETHNICITY, MARITAL STATUS, PRIMARY PAYER, AND
COUNTY OF RESIDENCE, ARIZONA, 2021**

| Selected characteristics | Total | County of residence | | | | | | | | | | | | | | | |
|-----------------------------------------|---------|---------------------|---------|----------|-------|--------|----------|--------|----------|--------|--------|--------|--------|------------|---------|--------|---------|
| | | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
| Total | 678,607 | 4,629 | 13,007 | 9,342 | 6,841 | 2,610 | 590† | 2,216 | 394,145 | 20,931 | 12,010 | 96,770 | 43,595 | 3,779 | 24,967 | 17,270 | 25,907 |
| Gender | | | | | | | | | | | | | | | | | |
| Male | 315,085 | 2,529 | 6,037 | 4,633 | 3,447 | 1,087 | 244 | 1,154 | 178,119 | 10,674 | 5,998 | 44,256 | 20,112 | 1,728 | 12,279 | 7,767 | 15,021 |
| Female | 363,466 | 2,099 | 6,970 | 4,707 | 3,394 | 1,523 | 344 | 1,062 | 215,991 | 10,257 | 6,011 | 52,509 | 23,479 | 2,050 | 12,685 | 9,503 | 10,882 |
| Unknown | 60† | * | 0 | * | 0 | 0 | 0 | 0 | 35 | 0 | * | * | * | * | * | 0 | * |
| Age group | | | | | | | | | | | | | | | | | |
| Children <15 years | 26,382 | 196 | 452 | 461 | 267 | 146 | 27 | 51 | 16,530 | 531 | 637 | 3,294 | 1,996 | 165 | 725 | 499 | 405 |
| Adolescents 15-19 years | 19,587 | 126 | 338 | 319 | 175 | 114 | 18 | 45 | 12,164 | 249 | 417 | 2,595 | 1,379 | 144 | 448 | 538 | 518 |
| Young adults 20-44 years | 195,255 | 1,322 | 2,942 | 3,191 | 1,618 | 920 | 193 | 425 | 122,155 | 3,403 | 3,552 | 26,837 | 11,756 | 1,007 | 4,338 | 4,970 | 6,626 |
| Middle-aged adults 45-64 years | 168,957 | 1,323 | 3,225 | 2,480 | 1,809 | 623 | 164 | 582 | 97,487 | 5,518 | 3,257 | 24,101 | 10,795 | 850 | 5,532 | 3,785 | 7,426 |
| Elderly 65+ years | 268,396 | 1,662 | 6,050 | 2,891 | 2,972 | 807 | 186 | 1,113 | 145,790 | 11,230 | 4,146 | 39,942 | 17,669 | 1,613 | 13,923 | 7,478 | 10,924 |
| Unknown | 30† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | * | * | 0 | 0 | * | 0 | 8 |
| Race/ethnicity | | | | | | | | | | | | | | | | | |
| White non-Hispanic | 455,417 | 1,766 | 9,598 | 4,895 | 4,724 | 1,684 | 365 | 1,572 | 259,069 | 18,474 | 6,035 | 66,448 | 29,582 | 2,445 | 21,946 | 7,766 | 19,048 |
| Hispanic or Latino | 130,123 | 209 | 2,536 | 796 | 541 | 548 | 180 | 256 | 80,497 | 1,352 | 648 | 20,360 | 7,512 | 1,249 | 1,757 | 8,551 | 3,131 |
| Black or African American | 40,210† | 28 | 458 | 133 | 36 | 16 | * | 8 | 30,367 | 197 | 76 | 4,282 | 2,395 | 11 | 186 | 342 | 1,666 |
| American Indian or Alaska Native | 31,199 | 2,505 | 69 | 3,232 | 1,395 | 312 | 23 | 306 | 9,644 | 478 | 4,965 | 3,243 | 3,110 | 16 | 439 | 345 | 1,117 |
| Asian or Pacific Islander | 14,236 | 30 | 195 | 97 | 49 | 22 | 6 | 13 | 10,509 | 167 | 71 | 1,586 | 560 | 11 | 317 | 180 | 423 |
| Refused/Unknown | 7,426 | 91 | 151 | 189 | 96 | 28 | 9 | 61 | 4,059 | 263 | 215 | 851 | 436 | 47 | 322 | 86 | 522 |
| Patient's marital status | | | | | | | | | | | | | | | | | |
| Single | 280,544 | 2,357 | 4,592 | 4,312 | 2,718 | 1,053 | 197 | 945 | 167,361 | 6,535 | 5,752 | 42,245 | 16,350 | 1,488 | 7,897 | 5,921 | 10,821 |
| Married | 268,591 | 1,528 | 5,860 | 3,308 | 2,649 | 1,081 | 296 | 826 | 153,282 | 8,989 | 4,334 | 36,089 | 19,223 | 1,602 | 11,382 | 7,643 | 10,499 |
| Separated | 4,980† | 46 | 89 | 84 | 60 | 18 | * | 21 | 2,715 | 186 | 117 | 594 | 269 | 31 | 286 | 260 | 201 |
| Divorced | 52,572 | 202 | 962 | 847 | 637 | 195 | 43 | 172 | 30,928 | 1,972 | 694 | 7,345 | 3,380 | 275 | 2,103 | 1,187 | 1,630 |
| Widowed | 64,207 | 326 | 1,273 | 686 | 669 | 222 | 42 | 190 | 36,194 | 2,712 | 700 | 9,725 | 3,887 | 358 | 3,017 | 2,131 | 2,075 |
| Not applicable | 20† | 0 | 0 | 0 | * | 0 | 0 | 0 | 20 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 |
| Unknown | 7,692 | 170 | 231 | 105 | 106 | 41 | 9 | 62 | 3,645 | 537 | 413 | 772 | 485 | 25 | 282 | 128 | 681 |
| Primary payer | | | | | | | | | | | | | | | | | |
| Self-pay | 14,190† | 52 | 196 | 180 | 111 | 25 | * | 55 | 8,254 | 848 | 144 | 1,102 | 670 | 119 | 464 | 420 | 1,547 |
| Private insurance (indemnity, HMO, PPO) | 162,581 | 553 | 2,008 | 2,166 | 1,258 | 770 | 244 | 328 | 104,845 | 4,440 | 1,549 | 17,628 | 10,265 | 528 | 7,028 | 2,564 | 6,407 |
| AHCCCS/Medicaid | 194,085 | 1,958 | 3,274 | 3,213 | 2,205 | 833 | 119 | 616 | 114,393 | 3,854 | 5,034 | 29,477 | 12,023 | 1,265 | 4,805 | 5,364 | 5,652 |
| Medicare | 215,396 | 1,586 | 4,358 | 3,010 | 2,749 | 536 | 161 | 950 | 122,991 | 7,662 | 3,770 | 26,723 | 14,871 | 868 | 10,438 | 5,433 | 9,290 |
| Other | 92,356 | 480 | 3,171 | 773 | 518 | 446 | 62 | 267 | 43,662 | 4,127 | 1,513 | 21,840 | 5,766 | 999 | 2,232 | 3,489 | 3,011 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ‡ Excluding newborn infants.

7B

DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES

**TABLE 7B-1
NUMBER OF PROCEDURES BY CATEGORY AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| Procedures by category | Total | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|-----------------------------------------------------|-----------|--------|---------|----------|--------|--------|----------|--------|----------|--------|--------|---------|--------|------------|---------|--------|---------|
| All procedures | 1,218,175 | 9,281 | 22,122 | 17,048 | 14,393 | 7,168 | 1,785 | 4,408 | 697,366 | 40,779 | 21,880 | 171,952 | 79,756 | 7,876 | 42,290 | 32,213 | 47,858 |
| Operations on the central nervous system | 18,993 | 113 | 242 | 237 | 151 | 399 | 91 | 37 | 11,951 | 285 | 255 | 2,261 | 1,089 | 167 | 594 | 260 | 861 |
| Spinal tap | 7,280† | 38 | 64 | 92 | 52 | 13 | * | 11 | 4,827 | 109 | 96 | 913 | 525 | 29 | 167 | 97 | 244 |
| Operations on the peripheral nervous system | 6,864 | 39 | 140 | 78 | 85 | 22 | 10 | 27 | 3,967 | 214 | 89 | 943 | 430 | 41 | 289 | 121 | 369 |
| Operations on the heart and great vessels | 67,803 | 572 | 1,065 | 863 | 929 | 229 | 73 | 252 | 38,785 | 2,613 | 1,231 | 8,872 | 4,932 | 271 | 2,722 | 1,630 | 2,764 |
| Heart transplant | 60† | 0 | 0 | 0 | * | 0 | 0 | 0 | 36 | 0 | 0 | * | * | * | 0 | * | 8 |
| Coronary artery bypass graft | 3,406 | 26 | 67 | 34 | 42 | 12 | 6 | 28 | 1,710 | 169 | 41 | 529 | 266 | 12 | 180 | 136 | 148 |
| Cardiac catheterization | 18,605 | 151 | 362 | 196 | 301 | 70 | 30 | 104 | 9,415 | 1,128 | 360 | 2,685 | 1,253 | 111 | 936 | 533 | 970 |
| Insertion, replacement, removal, of pacemaker leads | 4,840† | 40 | 74 | 78 | 64 | 16 | * | 19 | 2,654 | 241 | 83 | 540 | 334 | 20 | 321 | 152 | 200 |
| Operations on the upper arteries | 17,263 | 167 | 381 | 221 | 216 | 68 | 18 | 92 | 9,188 | 456 | 334 | 2,910 | 1,101 | 132 | 638 | 531 | 810 |
| Operations on the lower arteries | 7,754 | 48 | 144 | 98 | 96 | 39 | 9 | 29 | 4,093 | 361 | 142 | 1,183 | 530 | 39 | 355 | 299 | 289 |
| Operations on the upper veins | 18,936 | 129 | 483 | 210 | 112 | 114 | 35 | 117 | 9,233 | 616 | 338 | 4,861 | 856 | 207 | 306 | 668 | 651 |
| Operations on the lower veins | 10,706 | 102 | 191 | 204 | 119 | 40 | 10 | 55 | 5,666 | 422 | 237 | 1,636 | 721 | 52 | 438 | 347 | 466 |
| Operations on the lymphatic and hemic systems | 8,340† | 36 | 164 | 96 | 77 | 22 | * | 30 | 5,040 | 212 | 118 | 1,116 | 536 | 44 | 262 | 197 | 383 |
| Operations on the eye | 510† | * | 8 | 9 | * | * | 0 | * | 243 | * | 19 | 99 | 32 | 7 | 10 | 21 | 41 |
| Operations on the ear, nose, sinus | 1,030† | 14 | 24 | 26 | 10 | * | * | * | 561 | 16 | 18 | 171 | 60 | 8 | 30 | 19 | 62 |
| Operations on the respiratory system | 36,553 | 276 | 648 | 380 | 394 | 118 | 42 | 127 | 21,549 | 1,230 | 657 | 4,855 | 2,353 | 190 | 997 | 919 | 1,818 |
| Bronchoscopy with or without biopsy | 3,220† | 24 | 54 | 22 | 27 | 6 | * | 12 | 1,942 | 132 | 56 | 335 | 159 | 24 | 66 | 130 | 230 |
| Operations on the mouth and throat | 3,200† | 24 | 67 | 85 | 38 | 12 | * | 7 | 1,741 | 81 | 52 | 564 | 230 | 6 | 87 | 48 | 156 |
| Operations on the gastrointestinal system | 54,127 | 411 | 1,051 | 735 | 622 | 233 | 64 | 180 | 30,776 | 1,603 | 1,009 | 7,884 | 3,606 | 340 | 1,998 | 1,575 | 2,040 |
| Implantation of gastric band | 0† | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 | 0 | 0 | 0 | * | 0 | 0 |
| Endoscopy of small intestine with or without biopsy | 13,757 | 135 | 217 | 202 | 146 | 42 | 9 | 56 | 7,831 | 497 | 266 | 1,761 | 946 | 66 | 448 | 566 | 569 |
| Endoscopy of large intestine with or without biopsy | 8,747 | 64 | 136 | 114 | 96 | 27 | 7 | 44 | 5,206 | 286 | 152 | 942 | 564 | 43 | 402 | 343 | 321 |
| Appendectomy, excluding incidental | 3,370† | 17 | 66 | 56 | 32 | 17 | * | 8 | 1,771 | 131 | 50 | 568 | 193 | 35 | 174 | 92 | 159 |
| Operations on the hepatobiliary system and pancreas | 14,057 | 161 | 226 | 200 | 149 | 64 | 16 | 52 | 7,666 | 364 | 308 | 2,107 | 937 | 117 | 530 | 458 | 702 |
| Cholecystectomy | 6,927 | 73 | 131 | 109 | 72 | 27 | 6 | 24 | 3,524 | 181 | 171 | 1,208 | 521 | 74 | 264 | 263 | 279 |
| Operations on the endocrine system | 970† | 12 | 17 | 14 | 9 | * | * | * | 522 | 30 | 21 | 154 | 66 | * | 35 | 24 | 53 |
| Operations on the skin and breast | 20,497 | 131 | 262 | 343 | 194 | 95 | 21 | 59 | 12,654 | 461 | 284 | 2,869 | 1,277 | 105 | 475 | 579 | 688 |
| Breast surgery | 860† | * | 9 | 9 | 7 | * | 0 | 0 | 590 | 27 | * | 71 | 54 | * | 21 | 17 | 39 |

**TABLE 7B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| Procedures by category | Total | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|--------------------------------------------------------------|--------|--------|---------|----------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|---------|
| Operations on the subcutaneous tissue and fascia | 26,743 | 224 | 356 | 370 | 371 | 114 | 25 | 97 | 15,810 | 780 | 537 | 3,435 | 1,853 | 131 | 847 | 618 | 1,175 |
| Operations on the musculoskeletal system | 66,751 | 412 | 1,349 | 871 | 745 | 343 | 76 | 183 | 39,119 | 1,927 | 1,024 | 9,611 | 4,156 | 426 | 2,503 | 1,359 | 2,647 |
| Open reduction of fracture with or without internal fixation | 8,021 | 76 | 164 | 134 | 75 | 28 | 6 | 24 | 4,171 | 249 | 168 | 1,264 | 505 | 83 | 321 | 236 | 517 |
| Total hip replacement | 3,346 | 22 | 101 | 69 | 61 | 18 | 7 | 8 | 1,890 | 113 | 38 | 422 | 221 | 12 | 215 | 45 | 104 |
| Total knee replacement | 4,165 | 33 | 123 | 71 | 67 | 56 | 10 | 7 | 2,416 | 166 | 58 | 409 | 325 | 10 | 271 | 46 | 97 |
| Operations on the urinary system | 16,966 | 110 | 277 | 172 | 155 | 145 | 38 | 65 | 8,668 | 1,103 | 223 | 2,229 | 1,150 | 96 | 1,134 | 405 | 996 |
| Kidney transplant | 180† | * | * | * | * | 0 | 0 | 0 | 79 | 0 | * | 29 | 8 | 0 | * | * | 48 |
| Operations on the male reproductive system | 6,550† | 14 | 130 | 47 | 44 | * | * | 6 | 4,231 | 98 | 27 | 635 | 1,018 | 20 | 70 | 41 | 167 |
| Prostatectomy | 1,120† | * | 32 | 13 | 11 | * | 0 | * | 572 | 43 | 11 | 219 | 85 | 7 | 52 | 14 | 58 |
| Operations on the female reproductive system | 15,836 | 50 | 276 | 202 | 85 | 125 | 33 | 23 | 9,760 | 350 | 261 | 2,226 | 1,054 | 101 | 375 | 670 | 245 |
| Oophorectomy and salpingo-oophorectomy | 2,540† | 10 | 43 | 54 | 28 | 9 | * | * | 1,438 | 83 | 40 | 375 | 225 | 30 | 79 | 42 | 73 |
| Hysterectomy | 2,100† | 9 | 42 | 31 | 21 | 6 | * | * | 1,225 | 48 | 28 | 311 | 182 | 23 | 70 | 44 | 53 |
| Obstetrical procedures | 75,167 | 220 | 1,202 | 1,034 | 473 | 467 | 112 | 158 | 48,502 | 1,569 | 980 | 9,834 | 4,731 | 528 | 1,616 | 2,894 | 847 |
| Episiotomy with or without forceps or vacuum extraction | 2,500† | * | 31 | 54 | 27 | 16 | * | 12 | 1,412 | 147 | 29 | 426 | 112 | 30 | 85 | 57 | 56 |
| Artificial rupture of membranes | 22,426 | 90 | 438 | 351 | 167 | 197 | 40 | 36 | 13,963 | 492 | 383 | 3,803 | 1,325 | 138 | 517 | 249 | 237 |
| Cesarean section | 21,782 | 55 | 296 | 258 | 105 | 104 | 29 | 55 | 14,158 | 461 | 249 | 2,896 | 1,423 | 184 | 472 | 799 | 238 |
| Other therapeutic procedures - Imaging | 54,707 | 458 | 998 | 913 | 971 | 249 | 62 | 275 | 27,948 | 2,685 | 1,178 | 8,300 | 3,975 | 372 | 2,292 | 1,580 | 2,451 |
| Computerized tomography (CT Scan) | 2,450† | 13 | 7 | 20 | 24 | * | * | 10 | 1,618 | 24 | 46 | 208 | 137 | 31 | 142 | 51 | 112 |
| Magnetic resonance imaging (MRI) | 1,180† | 16 | 10 | 26 | 7 | * | 0 | 11 | 807 | 20 | 23 | 60 | 64 | * | 53 | 25 | 48 |
| Other therapeutic procedures - Nuclear medicine | 120† | * | * | * | * | 0 | 0 | 0 | 64 | * | * | 22 | * | * | * | * | * |
| Other therapeutic procedures - Radiation therapy | 160† | 0 | 0 | * | * | * | 0 | 0 | 110 | * | * | 9 | 8 | * | * | * | 15 |
| Extracorporeal assistance and performance | 67,431 | 650 | 1,306 | 849 | 835 | 263 | 85 | 276 | 37,738 | 2,375 | 1,498 | 9,237 | 5,039 | 385 | 2,388 | 1,688 | 2,819 |
| Hemodialysis | 20,723 | 232 | 287 | 250 | 306 | 72 | 19 | 99 | 11,794 | 603 | 554 | 2,809 | 1,821 | 138 | 509 | 546 | 684 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 7B-2
EXPECTED SOURCE OF PAYMENT FOR INPATIENT PROCEDURES BY COUNTY OF RESIDENCE, ARIZONA, 2021**

| | Total | Number of procedures by payer | | | | |
|-------------------|-----------|-------------------------------|-----------------------------------------------|---------------------|----------|---------|
| | | Self-pay | Private insurance (indemnity, HMO, PPO) | AHCCCS/ Medicaid | Medicare | Other |
| Total | 1,218,175 | 25,954 | 322,789 | 326,794 | 370,954 | 171,684 |
| Apache | 9,281 | 89 | 1,182 | 3,627 | 3,569 | 814 |
| Cochise | 22,122 | 319 | 3,988 | 5,332 | 7,034 | 5,449 |
| Coconino | 17,048 | 321 | 4,535 | 5,763 | 5,466 | 963 |
| Gila | 14,393 | 142 | 2,945 | 4,654 | 5,552 | 1,100 |
| Graham | 7,168 | 48 | 2,448 | 2,069 | 1,322 | 1,281 |
| Greenlee | 1,785 | 7 | 781 | 314 | 460 | 223 |
| La Paz | 4,408 | 95 | 479 | 1,194 | 2,009 | 631 |
| Maricopa | 697,366 | 14,677 | 205,621 | 190,070 | 207,410 | 79,588 |
| Mohave | 40,779 | 1,609 | 8,739 | 7,575 | 14,970 | 7,886 |
| Navajo | 21,880 | 277 | 3,241 | 8,681 | 7,502 | 2,179 |
| Pima | 171,952 | 2,153 | 36,749 | 49,300 | 43,014 | 40,736 |
| Pinal | 79,756 | 1,170 | 19,870 | 20,466 | 26,534 | 11,716 |
| Santa Cruz | 7,876 | 376 | 1,113 | 2,677 | 1,759 | 1,951 |
| Yavapai | 42,290 | 791 | 11,753 | 7,359 | 17,737 | 4,650 |
| Yuma | 32,213 | 856 | 5,235 | 10,187 | 9,332 | 6,603 |
| Unknown | 47,858 | 3,024 | 14,110 | 7,526 | 17,284 | 5,914 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

7C

CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY AND DIAGNOSIS GROUP

**TABLE 7C-1
NUMBER OF EMERGENCY ROOM VISITS^a BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Marcopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|--------------------------------------------------------------|-----------|--------|---------|----------|--------|--------|----------|--------|-----------|--------|--------|---------|---------|------------|---------|--------|---------|
| Total, all visits | 2,261,639 | 18,799 | 55,465 | 32,990 | 26,540 | 16,888 | 2,146 | 7,832 | 1,294,784 | 93,839 | 34,240 | 297,446 | 133,017 | 16,808 | 77,315 | 50,044 | 103,486 |
| Infectious and parasitic diseases | 50,032 | 544 | 1,297 | 506 | 682 | 616 | 67 | 188 | 30,201 | 1,824 | 791 | 5,687 | 2,956 | 652 | 887 | 1,362 | 1,772 |
| Neoplasms | 6,410† | 25 | 174 | 81 | 73 | 12 | * | 51 | 3,523 | 477 | 109 | 716 | 413 | 41 | 287 | 125 | 301 |
| Endocrine nutritional metabolic and immunity diseases | 55,089 | 469 | 1,949 | 784 | 669 | 369 | 61 | 273 | 29,647 | 2,356 | 1,114 | 6,645 | 3,477 | 395 | 2,127 | 1,802 | 2,952 |
| Diabetes mellitus | 16,465 | 121 | 505 | 246 | 191 | 106 | 14 | 103 | 9,073 | 849 | 307 | 1,903 | 1,065 | 128 | 504 | 647 | 703 |
| Mental disorders | 74,509 | 1,309 | 1,772 | 2,854 | 948 | 467 | 41 | 179 | 36,947 | 3,158 | 2,636 | 9,654 | 4,020 | 536 | 2,711 | 1,488 | 5,789 |
| Psychoses | 49,095 | 1,080 | 939 | 2,442 | 640 | 296 | 25 | 88 | 23,121 | 1,793 | 2,135 | 6,656 | 2,548 | 258 | 1,915 | 833 | 4,326 |
| Alcoholic psychoses | 5,480† | 127 | 88 | 498 | 116 | 19 | * | 10 | 2,484 | 211 | 275 | 664 | 231 | 11 | 217 | 68 | 456 |
| Drug psychoses | 2,210† | 9 | 59 | 38 | 25 | 14 | 0 | * | 1,177 | 107 | 29 | 275 | 107 | 29 | 62 | 74 | 198 |
| Schizophrenic disorders | 790† | * | 21 | 19 | 8 | * | 0 | 0 | 320 | 43 | 11 | 156 | 38 | * | 33 | 16 | 114 |
| Manic-depressive disorders | 6,630† | 62 | 183 | 104 | 78 | 32 | * | 10 | 3,368 | 265 | 163 | 873 | 570 | 41 | 297 | 86 | 493 |
| Neurotic disorders | 62,718 | 1,244 | 1,443 | 2,657 | 777 | 398 | 28 | 163 | 31,398 | 2,480 | 2,424 | 7,973 | 3,357 | 452 | 2,117 | 1,280 | 4,527 |
| Anxiety states | 17,283 | 177 | 525 | 274 | 191 | 119 | 8 | 45 | 9,519 | 857 | 381 | 2,126 | 879 | 230 | 540 | 521 | 891 |
| Depression | 4,810† | 56 | 143 | 77 | 54 | 24 | * | 7 | 2,427 | 180 | 140 | 653 | 430 | 26 | 219 | 55 | 315 |
| Drug dependence | 2,720† | 10 | 67 | 36 | 36 | 10 | * | * | 1,480 | 88 | 46 | 444 | 98 | 27 | 137 | 48 | 185 |
| Nondependent abuse of drugs | 8,980† | 97 | 179 | 191 | 135 | 70 | * | 21 | 4,515 | 330 | 286 | 1,399 | 450 | 61 | 266 | 109 | 863 |
| Alcohol dependence | 6,610† | 187 | 127 | 474 | 107 | 28 | * | 13 | 2,942 | 218 | 395 | 964 | 269 | 19 | 301 | 117 | 441 |
| Diseases of the nervous system | 53,852 | 517 | 1,249 | 1,344 | 513 | 262 | 33 | 191 | 30,489 | 2,315 | 834 | 6,860 | 3,309 | 328 | 1,632 | 1,754 | 2,222 |
| Diseases of the eye and adnexa | 17,399 | 180 | 380 | 222 | 158 | 126 | 12 | 33 | 10,111 | 642 | 235 | 2,590 | 805 | 107 | 491 | 435 | 872 |
| Diseases of the ear and mastoid process | 32,281 | 340 | 760 | 315 | 340 | 302 | 27 | 120 | 19,788 | 1,354 | 366 | 3,969 | 1,739 | 173 | 795 | 571 | 1,322 |
| Diseases of the circulatory system | 82,268 | 579 | 2,572 | 868 | 1,206 | 527 | 82 | 481 | 43,955 | 4,231 | 1,425 | 10,170 | 5,323 | 600 | 3,849 | 2,408 | 3,992 |
| Diseases of the respiratory system | 170,475 | 2,048 | 4,640 | 1,936 | 2,214 | 1,780 | 180 | 694 | 103,533 | 7,141 | 2,399 | 19,357 | 9,963 | 1,088 | 4,539 | 2,955 | 6,008 |
| Acute bronchitis and bronchiolitis | 14,964 | 87 | 351 | 104 | 124 | 116 | 28 | 61 | 9,929 | 608 | 233 | 1,135 | 998 | 89 | 401 | 249 | 451 |
| Pneumonia | 19,085 | 152 | 522 | 181 | 211 | 184 | 22 | 92 | 11,162 | 819 | 298 | 2,042 | 1,438 | 155 | 561 | 414 | 832 |
| Chronic bronchitis | 8,906 | 65 | 381 | 90 | 255 | 116 | 12 | 96 | 3,898 | 933 | 172 | 979 | 692 | 41 | 488 | 255 | 433 |
| Asthma | 18,416 | 172 | 391 | 163 | 186 | 121 | 6 | 48 | 11,670 | 553 | 236 | 2,201 | 983 | 108 | 359 | 377 | 842 |
| COVID-19 | 103,616 | 900 | 2,413 | 1,181 | 1,460 | 1,098 | 136 | 353 | 62,997 | 4,418 | 1,780 | 9,695 | 6,819 | 640 | 4,993 | 1,093 | 3,640 |

**TABLE 7C-1 (continued)
NUMBER OF EMERGENCY ROOM VISITS^a BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| Category of first-listed diagnosis | Total | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Marcopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|------------------------------------------------------|---------|--------|---------|----------|-------|--------|----------|--------|---------|--------|--------|--------|--------|------------|---------|--------|---------|
| Diseases of the digestive system | 154,488 | 1,377 | 4,083 | 1,937 | 1,866 | 957 | 154 | 597 | 89,386 | 6,605 | 2,707 | 19,664 | 9,224 | 1,263 | 5,206 | 3,509 | 5,953 |
| Diseases of the genitourinary system | 135,691 | 1,036 | 3,328 | 1,509 | 1,534 | 874 | 149 | 453 | 79,652 | 5,458 | 1,737 | 17,059 | 8,439 | 1,040 | 4,305 | 3,325 | 5,793 |
| Diseases of the skin and subcutaneous tissue | 74,358 | 674 | 1,830 | 944 | 1,040 | 580 | 80 | 322 | 43,104 | 3,090 | 936 | 9,847 | 3,996 | 409 | 2,226 | 1,454 | 3,826 |
| Diseases of the musculoskeletal system | 151,752 | 1,370 | 3,907 | 1,932 | 1,991 | 1,306 | 172 | 541 | 82,723 | 7,321 | 2,064 | 22,849 | 8,308 | 1,066 | 5,902 | 3,266 | 7,034 |
| Symptoms signs and ill-defined conditions | 533,323 | 2,588 | 11,758 | 7,585 | 5,836 | 3,869 | 525 | 1,500 | 303,626 | 21,892 | 6,024 | 77,233 | 31,401 | 3,725 | 19,144 | 13,621 | 22,996 |
| Injury and poisoning | 450,908 | 3,820 | 10,828 | 7,390 | 4,940 | 3,236 | 325 | 1,451 | 258,413 | 16,089 | 7,293 | 57,328 | 26,696 | 3,460 | 15,646 | 9,386 | 24,607 |
| Fractures, all sites | 70,905 | 617 | 1,767 | 1,139 | 834 | 473 | 67 | 219 | 38,821 | 2,679 | 1,281 | 9,345 | 4,015 | 557 | 2,924 | 1,508 | 4,659 |
| Sprains | 42,274 | 523 | 1,136 | 621 | 567 | 259 | 34 | 151 | 25,557 | 1,653 | 753 | 4,079 | 2,731 | 415 | 1,183 | 611 | 2,001 |
| Intracranial | 14,517 | 133 | 298 | 309 | 137 | 97 | 14 | 37 | 8,137 | 417 | 331 | 2,012 | 800 | 109 | 569 | 265 | 852 |
| Open wounds | 95,659 | 894 | 2,214 | 1,839 | 991 | 727 | 50 | 309 | 53,325 | 3,528 | 1,415 | 13,498 | 5,126 | 748 | 3,509 | 1,836 | 5,650 |
| Superficial injuries | 80,939 | 677 | 2,114 | 1,311 | 879 | 563 | 46 | 384 | 46,429 | 3,249 | 1,288 | 10,101 | 4,864 | 546 | 2,560 | 1,644 | 4,284 |
| Contusions with intact skin surface | 55,391 | 490 | 1,402 | 891 | 590 | 339 | 25 | 281 | 32,176 | 2,242 | 901 | 6,507 | 3,509 | 355 | 1,879 | 1,054 | 2,750 |
| Foreign bodies | 10,734 | 71 | 293 | 176 | 109 | 124 | 6 | 24 | 5,980 | 359 | 158 | 1,532 | 719 | 99 | 351 | 277 | 456 |
| Burns and corrosions | 6,917 | 77 | 153 | 129 | 55 | 54 | 7 | 26 | 4,202 | 242 | 130 | 755 | 429 | 42 | 188 | 118 | 310 |
| Trauma complications and unspecified injuries | 26,178 | 115 | 682 | 409 | 256 | 267 | 26 | 28 | 15,609 | 636 | 197 | 3,246 | 1,749 | 144 | 1,151 | 492 | 1,171 |
| Poisonings | 13,171 | 79 | 211 | 216 | 139 | 97 | 11 | 19 | 7,678 | 344 | 208 | 1,698 | 851 | 106 | 454 | 343 | 717 |
| Surgical and medical complications | 15,664 | 90 | 323 | 232 | 197 | 89 | 14 | 42 | 8,761 | 784 | 317 | 1,971 | 1,030 | 118 | 626 | 507 | 563 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 7C-2
NUMBER OF EMERGENCY ROOM VISITS FOR THE LEADING DIAGNOSIS GROUPS^a AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| Leading diagnosis | Total | Apache | Cochise | Cocino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|-----------------------------------------------------------------|---------------------|--------|---------|--------|--------|--------|----------|--------|-----------|--------|--------|---------|---------|------------|---------|--------|---------|
| Total | 2,261,639 | 18,799 | 55,465 | 32,990 | 26,540 | 16,888 | 2,146 | 7,832 | 1,294,784 | 93,839 | 34,240 | 297,446 | 133,017 | 16,808 | 77,315 | 50,044 | 103,486 |
| Abdominal pain | 122,070 | 604 | 2,450 | 1,555 | 1,275 | 981 | 156 | 328 | 70,538 | 4,688 | 1,313 | 17,586 | 7,594 | 985 | 4,156 | 3,401 | 4,460 |
| Chest pain | 105,176 | 506 | 2,165 | 1,352 | 1,059 | 638 | 76 | 276 | 61,061 | 4,101 | 1,066 | 15,585 | 6,337 | 572 | 3,555 | 2,518 | 4,309 |
| COVID-19 | 103,616 | 900 | 2,413 | 1,181 | 1,460 | 1,098 | 136 | 353 | 62,997 | 4,418 | 1,780 | 9,695 | 6,819 | 640 | 4,993 | 1,093 | 3,640 |
| Superficial injuries | 80,939 | 677 | 2,114 | 1,311 | 879 | 563 | 46 | 384 | 46,429 | 3,249 | 1,288 | 10,101 | 4,864 | 546 | 2,560 | 1,644 | 4,284 |
| Mental disorders | 74,509 | 1,309 | 1,772 | 2,854 | 948 | 467 | 41 | 179 | 36,947 | 3,158 | 2,636 | 9,654 | 4,020 | 536 | 2,711 | 1,488 | 5,789 |
| Acute upper respiratory infection, excluding pharyngitis | 74,377 | 923 | 1,973 | 811 | 825 | 928 | 91 | 288 | 47,665 | 2,791 | 928 | 7,820 | 4,058 | 372 | 1,674 | 1,201 | 2,029 |
| Spinal disorders | 57,558 | 485 | 1,512 | 671 | 670 | 495 | 69 | 211 | 31,642 | 2,776 | 741 | 8,795 | 3,246 | 430 | 2,281 | 1,227 | 2,307 |
| Contusion with intact skin surface | 55,391 | 490 | 1,402 | 891 | 590 | 339 | 25 | 281 | 32,176 | 2,242 | 901 | 6,507 | 3,509 | 355 | 1,879 | 1,054 | 2,750 |
| Nausea, vomiting | 43,936 | 169 | 957 | 712 | 596 | 486 | 51 | 113 | 25,681 | 1,912 | 439 | 6,048 | 2,329 | 322 | 1,327 | 1,002 | 1,792 |
| Open wound, excluding head | 42,315 | 462 | 1,133 | 844 | 513 | 361 | 26 | 131 | 23,232 | 1,614 | 624 | 5,976 | 2,356 | 340 | 1,761 | 773 | 2,169 |
| Heart disease, excluding ischemic | 40,251 | 309 | 1,393 | 433 | 685 | 341 | 46 | 273 | 20,791 | 2,154 | 799 | 4,887 | 2,645 | 312 | 1,879 | 1,236 | 2,068 |
| Urinary tract infection, site not specified | 36,966 | 432 | 1,227 | 401 | 638 | 375 | 53 | 153 | 19,453 | 1,984 | 585 | 4,456 | 2,857 | 395 | 1,395 | 1,026 | 1,536 |
| Sprains and strains, excluding ankle and back | 32,952 | 418 | 777 | 444 | 459 | 195 | 19 | 110 | 20,284 | 1,203 | 610 | 3,116 | 2,170 | 281 | 859 | 530 | 1,477 |
| Cellulitis and abscess | 32,193 | 231 | 795 | 388 | 475 | 223 | 40 | 159 | 18,454 | 1,244 | 424 | 4,386 | 1,708 | 165 | 1,058 | 611 | 1,832 |
| Open wound of head | 31,593 | 152 | 764 | 504 | 314 | 296 | 26 | 40 | 18,704 | 796 | 287 | 4,033 | 2,005 | 212 | 1,292 | 619 | 1,549 |
| Rheumatism, excluding back | 21,215 | 184 | 520 | 268 | 298 | 146 | 23 | 94 | 11,892 | 1,007 | 292 | 3,014 | 1,151 | 147 | 609 | 486 | 1,084 |
| Gastroenteritis and colitis | 21,050 | 230 | 526 | 240 | 269 | 105 | 18 | 62 | 12,184 | 626 | 323 | 2,850 | 1,214 | 294 | 680 | 622 | 807 |
| Pneumonia | 19,085 | 152 | 522 | 181 | 211 | 184 | 22 | 92 | 11,162 | 819 | 298 | 2,042 | 1,438 | 155 | 561 | 414 | 832 |
| Asthma | 18,416 | 172 | 391 | 163 | 186 | 121 | 6 | 48 | 11,670 | 553 | 236 | 2,201 | 983 | 108 | 359 | 377 | 842 |
| Otitis media and eustachian tube disorders | 16,973 | 182 | 436 | 131 | 176 | 159 | 18 | 36 | 11,052 | 557 | 182 | 1,865 | 964 | 47 | 377 | 265 | 526 |
| Fever | 16,342 | 55 | 298 | 177 | 164 | 108 | 15 | 56 | 9,977 | 415 | 159 | 2,746 | 843 | 141 | 426 | 343 | 419 |
| Acute pharyngitis | 13,905 | 259 | 324 | 189 | 200 | 187 | 26 | 48 | 7,724 | 625 | 180 | 2,235 | 612 | 79 | 443 | 235 | 539 |
| Chronic and unspecified bronchitis | 12,373 | 97 | 563 | 135 | 318 | 126 | 14 | 113 | 5,646 | 1,066 | 241 | 1,561 | 899 | 72 | 627 | 334 | 561 |
| Migraine | 12,140 [†] | 139 | 393 | 117 | 123 | 59 | * | 23 | 7,423 | 373 | 178 | 1,544 | 825 | 96 | 234 | 262 | 344 |
| Sprains and strains of neck and back | 3,230 [†] | 17 | 55 | 25 | 17 | 7 | * | 11 | 2,040 | 172 | 14 | 314 | 217 | 32 | 88 | 47 | 165 |
| Unspecified viral and chlamydial infection | 180 [†] | * | * | * | * | * | 0 | 0 | 110 | 10 | * | 17 | * | * | 0 | 8 | 9 |
| Headache | 40 [†] | 0 | * | 0 | 0 | 0 | 0 | 0 | 13 | * | 0 | 17 | * | 0 | 0 | 0 | * |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Based on first-listed diagnosis.

7D

INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY BY COUNTY OF RESIDENCE

**TABLE 7D-1
INPATIENT DISCHARGES BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY COUNTY OF RESIDENCE,
ARIZONA, 2021**

| Intent/mechanism of injury | Apache | Cochise | Cocoino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|-------------------------------------------------------------------------|--------|---------|---------|------|--------|----------|--------|----------|--------|--------|-------|-------|------------|---------|-------|---------|
| UNINTENTIONAL INJURY | 60,637 | 1,254 | 922 | 625 | 194 | 35 | 174 | 33,057 | 1,822 | 1,157 | 9,461 | 3,526 | 412 | 2,715 | 1,620 | 3,156 |
| Falls | 239 | 820 | 466 | 379 | 97 | 19 | 99 | 19,742 | 1,314 | 600 | 6,161 | 2,135 | 273 | 1,888 | 989 | 1,550 |
| Transport accidents | 105 | 133 | 187 | 80 | 35 | 8 | 34 | 5,628 | 135 | 225 | 1,370 | 572 | 67 | 326 | 221 | 803 |
| Natural and environmental factors | 90 | 193 | 156 | 85 | 34 | * | 23 | 4,255 | 251 | 206 | 1,145 | 408 | 34 | 329 | 274 | 499 |
| Exposure to excessive natural heat | 750† | * | 0 | * | 0 | 0 | * | 418 | 39 | * | 75 | 43 | 0 | 7 | 33 | 118 |
| Fire and flames | 460† | 8 | 7 | 10 | 8 | 0 | * | 249 | 8 | 14 | 61 | 31 | * | 11 | 12 | 31 |
| Machinery | 170† | * | * | * | 0 | 0 | 0 | 106 | * | * | 13 | 14 | * | * | * | * |
| SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM | 3,780† | 56 | 79 | 115 | 23 | 31 | * | 2,064 | 61 | 119 | 610 | 238 | 20 | 124 | 58 | 173 |
| ASSAULT | 2,290† | 46 | 24 | 32 | 42 | 11 | 0 | 1,283 | 11 | 98 | 345 | 109 | 8 | 31 | 41 | 208 |
| INJURIES OF UNDETERMINED INTENT | 570† | 11 | 6 | * | 6 | 0 | * | 367 | 7 | 6 | 35 | 56 | * | 23 | 14 | 26 |
| COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT | 35,210 | 248 | 587 | 366 | 407 | 139 | 33 | 20,481 | 951 | 565 | 5,009 | 2,580 | 181 | 1,158 | 1,116 | 1,290 |
| Misadventures to patients | 360† | * | 17 | 9 | 9 | 0 | 0 | 154 | 24 | 10 | 63 | 19 | * | 12 | 22 | 12 |
| Surgical and medical procedures as the cause of adverse reaction | 30,623 | 212 | 470 | 290 | 359 | 129 | 26 | 18,065 | 757 | 491 | 4,394 | 2,183 | 165 | 959 | 894 | 1,151 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 7D-2
EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF EXTERNAL CAUSES AND COUNTY OF RESIDENCE,
ARIZONA, 2021**

| Intent/mechanism of injury | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma | Unknown |
|-------------------------------------------------------------------------|---------|---------|----------|-------|--------|----------|--------|----------|--------|--------|--------|--------|------------|---------|-------|---------|
| UNINTENTIONAL INJURIES | 438,878 | 10,734 | 6,843 | 4,755 | 3,641 | 393 | 1,472 | 248,971 | 16,681 | 6,968 | 57,159 | 24,773 | 3,755 | 15,737 | 9,723 | 23,686 |
| Falls | 155,052 | 4,139 | 2,578 | 1,906 | 1,148 | 143 | 554 | 84,112 | 6,718 | 2,642 | 20,795 | 9,095 | 1,374 | 7,046 | 3,430 | 8,148 |
| Transport accidents | 70,985 | 462 | 1,162 | 1,065 | 509 | 46 | 173 | 42,680 | 2,157 | 1,043 | 8,621 | 3,811 | 417 | 2,098 | 1,519 | 4,740 |
| Struck against or struck accidentally by objects or person | 49,315 | 450 | 1,311 | 729 | 666 | 37 | 165 | 28,432 | 1,828 | 706 | 6,376 | 2,762 | 371 | 1,470 | 1,120 | 2,489 |
| Overexertion | 33,795 | 356 | 1,222 | 494 | 525 | 51 | 126 | 19,509 | 1,384 | 434 | 3,654 | 2,049 | 242 | 1,212 | 551 | 1,661 |
| Cutting or piercing instruments or objects | 25,785 | 334 | 918 | 568 | 299 | 17 | 87 | 13,784 | 1,157 | 377 | 3,342 | 1,396 | 242 | 1,159 | 541 | 1,271 |
| Natural and environmental factors | 64,881 | 330 | 926 | 671 | 432 | 64 | 200 | 38,664 | 1,978 | 1,123 | 8,838 | 3,494 | 828 | 1,295 | 1,923 | 3,493 |
| Exposure to excessive natural heat | 2,000† | * | 14 | 12 | 16 | * | 31 | 1,044 | 146 | 17 | 157 | 127 | 10 | 40 | 144 | 234 |
| Fire and flames | 2,340† | 31 | 66 | 42 | 20 | * | 10 | 1,331 | 103 | 49 | 278 | 143 | 9 | 75 | 46 | 114 |
| Machinery | 2,159 | 28 | 54 | 37 | 47 | 0 | 7 | 1,099 | 86 | 30 | 313 | 140 | 19 | 132 | 68 | 84 |
| Pedal cycle, nontraffic and other | 5,880† | 33 | 115 | 146 | 52 | * | 15 | 3,304 | 133 | 62 | 782 | 303 | 41 | 229 | 83 | 540 |
| Motor vehicle, nontraffic | 740† | 7 | 14 | 29 | 6 | * | * | 392 | 11 | 6 | 112 | 44 | * | 25 | 9 | 59 |
| Firearm missile | 1,330† | 11 | 30 | 12 | 15 | 0 | * | 724 | 57 | 29 | 214 | 69 | 11 | 31 | 34 | 84 |
| Drowning/submersion | 140† | 0 | * | 0 | 0 | 0 | * | 80 | 6 | * | 11 | * | 0 | * | 10 | 18 |
| SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM | 7,656 | 55 | 139 | 199 | 57 | 8 | 16 | 4,448 | 213 | 161 | 854 | 549 | 44 | 281 | 187 | 375 |
| ASSAULT | 17,148 | 272 | 313 | 543 | 158 | 9 | 49 | 9,255 | 550 | 507 | 2,408 | 820 | 87 | 348 | 406 | 1,309 |
| INJURIES OF UNDETERMINED INTENT | 1,210† | 17 | 19 | 12 | 21 | * | 6 | 816 | 12 | 8 | 96 | 64 | 6 | 44 | 21 | 60 |
| COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT | 12,790 | 59 | 129 | 133 | 168 | 6 | 37 | 7,525 | 508 | 238 | 1,452 | 907 | 44 | 533 | 585 | 421 |
| Misadventures to patients | 110† | * | * | 0 | * | 0 | * | 63 | * | * | 7 | 12 | 0 | * | 8 | * |
| Surgical and medical procedures as the cause of adverse reaction | 9,439 | 50 | 75 | 81 | 131 | 38 | 27 | 5,450 | 458 | 199 | 1,079 | 593 | 33 | 423 | 481 | 315 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

CHAPTER 8

HISTORICAL SUMMARY OF SELECTED VITAL EVENTS BY YEAR AND COUNTY, ARIZONA, 1970-2010

- 8A. NUMBER OF BIRTHS AND BIRTH RATES BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1970-2010**
- 8B. NUMBER OF DEATHS AND DEATH RATES BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1970-2010**
- 8C. NUMBER OF INFANT DEATHS AND INFANT MORTALITY RATES BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1970-2010**
- 8D. NUMBER OF MARRIAGES AND MARRIAGE RATES BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2010**
- 8E. NUMBER OF DISSOLUTIONS OF MARRIAGE AND DISSOLUTION OF MARRIAGE RATES BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2010**

**TABLE 8A-1
NUMBER OF BIRTHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1970-2010**

| <u>Year</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^a</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Navajo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 37,591 | 1,369 | 1,352 | 1,407 | 693 | 371 | 232 | 19,695 | 465 | 1,484 | 6,735 | 1,555 | 297 | 543 | 1,393 | |
| 1971 | 38,521 | 1,371 | 1,542 | 1,415 | 719 | 363 | 304 | 19,693 | 465 | 1,472 | 7,096 | 1,650 | 320 | 565 | 1,526 | |
| 1972 | 37,501 | 1,448 | 1,525 | 1,361 | 624 | 383 | 227 | 19,005 | 443 | 1,411 | 7,062 | 1,603 | 325 | 649 | 1,435 | |
| 1973 | 38,025 | 1,345 | 1,544 | 1,439 | 648 | 363 | 281 | 19,513 | 478 | 1,454 | 6,897 | 1,638 | 380 | 590 | 1,455 | |
| 1974 | 39,906 | 1,395 | 1,486 | 1,453 | 709 | 388 | 278 | 20,585 | 518 | 1,494 | 7,329 | 1,759 | 353 | 625 | 1,534 | |
| 1975 | 39,543 | 1,434 | 1,505 | 1,477 | 666 | 424 | 297 | 19,987 | 545 | 1,631 | 7,264 | 1,712 | 361 | 631 | 1,609 | |
| 1976 | 40,028 | 1,585 | 1,394 | 1,502 | 644 | 429 | 269 | 20,179 | 591 | 1,665 | 7,363 | 1,636 | 390 | 732 | 1,649 | |
| 1977 | 41,827 | 1,543 | 1,517 | 1,525 | 682 | 481 | 301 | 21,232 | 646 | 1,722 | 7,700 | 1,644 | 401 | 798 | 1,635 | |
| 1978 | 43,058 | 1,625 | 1,564 | 1,620 | 652 | 423 | 257 | 22,386 | 644 | 1,713 | 7,659 | 1,699 | 440 | 782 | 1,604 | |
| 1979 | 46,549 | 1,529 | 1,506 | 1,635 | 709 | 479 | 263 | 25,000 | 723 | 1,791 | 8,138 | 1,655 | 461 | 892 | 1,768 | |
| 1980 | 50,049 | 1,627 | 1,570 | 1,824 | 705 | 512 | 272 | 26,769 | 871 | 1,899 | 8,931 | 1,840 | 499 | 937 | 1,793 | |
| 1981 | 51,620 | 1,681 | 1,646 | 1,733 | 760 | 509 | 299 | 27,800 | 886 | 1,816 | 9,130 | 1,899 | 519 | 998 | 1,944 | |
| 1982 | 52,628 | 1,845 | 1,555 | 1,768 | 810 | 468 | 256 | 28,598 | 886 | 1,883 | 9,155 | 1,945 | 491 | 1,067 | 1,901 | |
| 1983 | 52,919 | 1,787 | 1,565 | 1,808 | 683 | 435 | 185 | 28,758 | 926 | 1,911 | 9,585 | 1,869 | 457 | 1,032 | 1,682 | |
| 1984 | 55,109 | 1,817 | 1,618 | 1,813 | 672 | 446 | 195 | 30,711 | 988 | 1,864 | 9,678 | 1,849 | 512 | 999 | 1,752 | |
| 1985 | 59,344 | 1,853 | 1,559 | 1,946 | 642 | 406 | 161 | 33,780 | 968 | 1,895 | 10,278 | 2,049 | 523 | 1,088 | 1,962 | |
| 1986 | 60,822 | 1,757 | 1,524 | 1,828 | 625 | 395 | 106 | 35,334 | 1,065 | 1,896 | 10,423 | 2,053 | 504 | 1,129 | 1,968 | |
| 1987 | 63,320 | 1,852 | 1,606 | 2,006 | 569 | 445 | 124 | 36,624 | 1,177 | 1,981 | 10,924 | 2,126 | 547 | 1,171 | 1,970 | |
| 1988 | 65,544 | 1,892 | 1,638 | 1,966 | 659 | 418 | 111 | 38,108 | 1,225 | 1,957 | 11,217 | 2,094 | 665 | 1,285 | 2,095 | |
| 1989 | 67,128 | 1,781 | 1,730 | 2,040 | 651 | 448 | 104 | 39,179 | 1,353 | 1,993 | 11,257 | 2,097 | 700 | 1,244 | 2,334 | |
| 1990 | 68,814 | 1,800 | 1,738 | 1,965 | 749 | 424 | 105 | 40,414 | 1,488 | 1,972 | 11,412 | 2,133 | 784 | 1,220 | 2,448 | |
| 1991 | 68,040 | 1,737 | 1,623 | 1,951 | 640 | 442 | 154 | 39,907 | 1,558 | 1,873 | 11,307 | 2,117 | 775 | 1,227 | 2,545 | |
| 1992 | 68,675 | 1,618 | 1,742 | 1,876 | 697 | 437 | 136 | 40,077 | 1,513 | 1,844 | 11,522 | 2,051 | 907 | 1,294 | 2,792 | |
| 1993 | 69,037 | 1,608 | 1,661 | 1,842 | 662 | 449 | 160 | 40,392 | 1,752 | 1,849 | 11,301 | 2,066 | 810 | 1,330 | 2,934 | |
| 1994 | 70,896 | 1,469 | 1,702 | 1,732 | 673 | 417 | 150 | 42,313 | 1,863 | 1,790 | 11,370 | 2,041 | 768 | 1,377 | 3,009 | |
| 1995 | 72,386 | 1,332 | 1,755 | 1,762 | 684 | 397 | 157 | 44,020 | 1,841 | 1,653 | 11,202 | 2,029 | 788 | 1,532 | 3,042 | |
| 1996 | 75,094 | 1,282 | 1,726 | 1,857 | 671 | 471 | 164 | 46,529 | 1,816 | 1,702 | 11,288 | 2,110 | 797 | 1,576 | 2,952 | |
| 1997 | 75,563 | 1,327 | 1,650 | 1,802 | 665 | 491 | 166 | 47,127 | 1,763 | 1,656 | 11,372 | 2,150 | 778 | 1,546 | 2,861 | |
| 1998 | 77,940 | 1,289 | 1,633 | 1,755 | 711 | 488 | 141 | 49,324 | 1,678 | 1,769 | 11,455 | 2,231 | 773 | 1,693 | 2,815 | |
| 1999 | 80,505 | 1,104 | 1,668 | 1,804 | 672 | 476 | 141 | 51,503 | 1,745 | 1,751 | 11,866 | 2,401 | 754 | 1,627 | 2,841 | |
| 2000 | 84,985 | 1,290 | 1,737 | 1,858 | 676 | 459 | 108 | 54,470 | 1,783 | 1,682 | 12,512 | 2,607 | 798 | 1,758 | 3,007 | |
| 2001 | 85,213 | 1,074 | 1,637 | 1,873 | 649 | 443 | 95 | 55,624 | 1,819 | 1,573 | 12,140 | 2,555 | 759 | 1,744 | 3,000 | |
| 2002 | 87,379 | 1,113 | 1,711 | 1,867 | 696 | 487 | 97 | 56,614 | 1,983 | 1,634 | 12,461 | 2,705 | 762 | 1,918 | 3,071 | |
| 2003 | 90,783 | 1,250 | 1,756 | 1,920 | 692 | 434 | 87 | 59,000 | 2,135 | 1,716 | 12,799 | 2,919 | 792 | 1,850 | 3,187 | |
| 2004 | 93,396 | 1,336 | 1,810 | 2,027 | 668 | 451 | 102 | 60,535 | 2,191 | 1,789 | 13,030 | 3,068 | 808 | 1,997 | 3,318 | |
| 2005 | 95,798 | 1,283 | 1,769 | 2,070 | 649 | 452 | 99 | 62,232 | 2,237 | 1,903 | 12,976 | 3,641 | 781 | 2,115 | 3,292 | |
| 2006 | 102,042 | 1,189 | 1,808 | 2,062 | 667 | 540 | 110 | 66,160 | 2,468 | 1,877 | 13,929 | 4,467 | 753 | 2,380 | 3,354 | |
| 2007 | 102,687 | 1,149 | 1,860 | 2,132 | 694 | 582 | 138 | 65,931 | 2,439 | 2,012 | 13,798 | 5,285 | 766 | 2,411 | 3,252 | |
| 2008 | 99,215 | 1,211 | 1,781 | 1,985 | 697 | 644 | 131 | 62,667 | 2,301 | 1,944 | 13,503 | 5,731 | 796 | 2,216 | 3,362 | |
| 2009 | 92,616 | 1,242 | 1,846 | 1,894 | 704 | 645 | 130 | 57,663 | 2,220 | 1,893 | 12,840 | 5,309 | 761 | 2,061 | 3,234 | |
| 2010 | 87,053 | 1,099 | 1,781 | 1,775 | 670 | 530 | 105 | 54,236 | 2,022 | 1,737 | 12,169 | 4,990 | 693 | 1,817 | 3,229 | |

Notes: ^a Included in Yuma County prior to 1983; The number of births by county of residence for 2011-2021 are in Table 5B-3.

**TABLE 8A-2
BIRTH RATES^a BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1970-2010**

| <u>Year</u> | <u>U.S.</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^b</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Navajo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 18.4 | 21.2 | 42.4 | 21.8 | 29.1 | 23.7 | 22.4 | 22.5 | 20.3 | 20.3 | 18.0 | 31.2 | 19.2 | 22.7 | 21.3 | 14.7 | 22.9 |
| 1971 | 17.2 | 20.6 | 39.1 | 23.4 | 27.0 | 23.7 | 21.2 | 27.6 | 19.4 | 19.4 | 16.5 | 28.9 | 19.0 | 22.5 | 23.1 | 14.2 | 24.0 |
| 1972 | 15.6 | 19.1 | 39.9 | 22.1 | 24.1 | 20.3 | 22.3 | 20.6 | 17.8 | 17.8 | 14.7 | 27.2 | 17.9 | 21.1 | 21.1 | 14.9 | 22.1 |
| 1973 | 14.9 | 18.3 | 34.6 | 21.3 | 23.9 | 20.3 | 19.7 | 24.6 | 17.3 | 17.3 | 14.3 | 27.1 | 16.6 | 20.3 | 23.2 | 12.6 | 21.9 |
| 1974 | 15.0 | 18.5 | 35.2 | 20.2 | 23.1 | 21.7 | 19.9 | 23.2 | 17.4 | 17.4 | 14.7 | 26.4 | 17.2 | 20.8 | 20.5 | 12.8 | 22.4 |
| 1975 | 14.6 | 17.8 | 35.0 | 20.3 | 22.6 | 20.5 | 21.0 | 25.0 | 16.4 | 16.4 | 14.6 | 28.1 | 16.5 | 19.5 | 20.9 | 12.9 | 22.9 |
| 1976 | 14.6 | 17.6 | 36.2 | 18.5 | 22.1 | 19.6 | 21.2 | 23.4 | 16.2 | 16.2 | 15.0 | 27.2 | 16.2 | 18.9 | 23.2 | 14.8 | 24.3 |
| 1977 | 15.1 | 17.8 | 34.6 | 19.8 | 22.6 | 20.4 | 23.5 | 26.9 | 16.5 | 16.5 | 15.3 | 27.6 | 16.6 | 18.3 | 22.0 | 14.0 | 21.8 |
| 1978 | 15.0 | 17.4 | 33.0 | 20.0 | 21.3 | 18.5 | 20.6 | 22.3 | 16.4 | 16.4 | 14.6 | 24.1 | 15.9 | 19.4 | 23.0 | 13.0 | 21.2 |
| 1979 | 15.6 | 17.7 | 31.1 | 18.3 | 20.1 | 19.8 | 22.0 | 22.3 | 17.2 | 17.2 | 14.7 | 24.3 | 15.6 | 18.1 | 23.5 | 14.5 | 22.6 |
| 1980 | 15.9 | 18.4 | 31.2 | 18.1 | 24.3 | 19.0 | 22.4 | 23.8 | 17.8 | 17.8 | 15.6 | 28.1 | 16.8 | 20.2 | 24.4 | 13.8 | 19.8 |
| 1981 | 15.8 | 18.4 | 32.0 | 18.5 | 21.6 | 20.2 | 21.9 | 24.7 | 17.9 | 17.9 | 15.6 | 26.2 | 16.6 | 20.3 | 24.5 | 14.3 | 21.3 |
| 1982 | 15.9 | 18.2 | 33.1 | 17.3 | 21.2 | 21.2 | 19.6 | 19.5 | 17.8 | 17.8 | 15.5 | 26.6 | 16.1 | 20.5 | 22.3 | 14.8 | 20.0 |
| 1983 | 15.5 | 18.0 | 31.4 | 17.2 | 22.2 | 17.5 | 18.0 | 15.4 | 17.3 | 17.6 | 15.5 | 26.5 | 16.5 | 19.3 | 20.6 | 14.0 | 20.1 |
| 1984 | 15.5 | 17.9 | 34.9 | 17.7 | 22.0 | 17.7 | 18.6 | 17.1 | 14.5 | 17.7 | 15.2 | 26.3 | 16.0 | 18.8 | 22.8 | 12.3 | 20.4 |
| 1985 | 15.8 | 18.6 | 32.9 | 16.2 | 22.6 | 16.8 | 17.4 | 18.5 | 16.3 | 18.8 | 13.3 | 26.2 | 16.5 | 20.5 | 19.3 | 12.4 | 21.8 |
| 1986 | 15.5 | 18.1 | 29.0 | 15.6 | 20.5 | 15.7 | 16.1 | 11.1 | 15.2 | 18.5 | 13.8 | 25.6 | 16.2 | 19.8 | 18.3 | 12.3 | 22.4 |
| 1987 | 15.7 | 18.3 | 29.7 | 16.0 | 21.8 | 14.2 | 18.0 | 12.9 | 14.0 | 18.4 | 14.8 | 26.2 | 15.6 | 19.8 | 18.7 | 12.3 | 22.0 |
| 1988 | 15.9 | 18.2 | 29.4 | 16.0 | 20.7 | 16.3 | 17.0 | 11.6 | 15.0 | 18.4 | 15.0 | 25.2 | 16.4 | 19.0 | 22.1 | 13.1 | 22.9 |
| 1989 | 16.2 | 18.0 | 26.8 | 16.5 | 20.9 | 15.9 | 17.9 | 11.0 | 15.0 | 18.2 | 16.2 | 25.1 | 15.8 | 18.5 | 22.6 | 12.3 | 25.0 |
| 1990 | 16.7 | 18.8 | 29.2 | 17.8 | 20.3 | 18.6 | 16.0 | 13.1 | 11.7 | 19.0 | 15.9 | 25.4 | 17.1 | 18.3 | 26.4 | 11.3 | 22.9 |
| 1991 | 16.3 | 18.1 | 27.8 | 16.3 | 19.7 | 15.8 | 16.3 | 19.9 | 13.1 | 18.3 | 15.8 | 23.8 | 16.6 | 17.8 | 25.0 | 11.0 | 23.0 |
| 1992 | 15.9 | 17.8 | 25.7 | 17.2 | 18.5 | 16.7 | 15.8 | 16.3 | 11.4 | 17.9 | 14.3 | 22.9 | 16.5 | 16.7 | 29.2 | 11.3 | 24.7 |
| 1993 | 15.5 | 17.5 | 25.1 | 16.2 | 17.8 | 15.7 | 15.9 | 18.9 | 14.7 | 17.7 | 16.0 | 22.6 | 15.8 | 16.6 | 25.5 | 11.3 | 19.3 |
| 1994 | 15.2 | 17.6 | 22.6 | 16.3 | 16.3 | 15.8 | 14.6 | 17.5 | 14.5 | 18.1 | 16.5 | 21.6 | 15.5 | 16.1 | 23.6 | 11.4 | 25.5 |
| 1995 | 14.9 | 17.3 | 20.8 | 16.0 | 16.1 | 15.4 | 12.7 | 18.5 | 11.6 | 18.2 | 14.6 | 20.0 | 15.0 | 14.9 | 23.8 | 12.0 | 24.7 |
| 1996 | 14.8 | 16.8 | 19.9 | 15.0 | 16.4 | 14.8 | 15.1 | 19.0 | 8.4 | 17.7 | 14.2 | 20.2 | 14.5 | 14.6 | 22.7 | 11.7 | 23.6 |
| 1997 | 14.2 | 16.4 | 20.3 | 14.1 | 15.5 | 14.4 | 15.2 | 19.0 | 10.7 | 17.3 | 13.3 | 19.4 | 14.2 | 14.5 | 21.7 | 11.1 | 22.3 |
| 1998 | 14.3 | 16.5 | 19.5 | 13.8 | 14.8 | 15.1 | 14.7 | 16.0 | 8.8 | 17.6 | 12.2 | 20.4 | 14.0 | 14.6 | 21.1 | 11.8 | 21.4 |
| 1999 | 14.2 | 16.3 | 16.5 | 13.4 | 14.7 | 13.4 | 13.3 | 15.3 | 7.0 | 17.7 | 11.7 | 18.7 | 14.0 | 14.5 | 19.3 | 10.4 | 20.3 |
| 2000 | 14.4 | 16.6 | 18.6 | 14.8 | 16.0 | 13.2 | 13.7 | 12.6 | 9.3 | 17.7 | 11.5 | 17.3 | 14.8 | 14.5 | 20.8 | 10.5 | 18.8 |
| 2001 | 14.1 | 16.1 | 15.7 | 13.7 | 15.9 | 12.6 | 13.3 | 11.4 | 9.4 | 17.4 | 11.2 | 15.7 | 14.1 | 13.5 | 19.2 | 9.9 | 18.2 |
| 2002 | 13.9 | 16.0 | 15.9 | 13.8 | 14.9 | 13.1 | 14.3 | 11.3 | 11.3 | 17.2 | 11.9 | 16.1 | 14.0 | 14.1 | 19.1 | 10.6 | 18.1 |
| 2003 | 14.1 | 16.1 | 17.7 | 13.9 | 14.9 | 12.9 | 12.6 | 10.1 | 10.4 | 17.4 | 12.5 | 16.5 | 14.1 | 14.5 | 19.4 | 9.9 | 18.2 |
| 2004 | 14.0 | 16.0 | 18.7 | 13.9 | 15.6 | 12.4 | 12.5 | 12.2 | 10.9 | 17.2 | 12.2 | 16.7 | 14.0 | 14.1 | 19.2 | 10.2 | 18.3 |
| 2005 | 14.0 | 15.8 | 17.4 | 13.4 | 15.9 | 11.9 | 12.7 | 11.9 | 11.6 | 17.1 | 11.9 | 17.3 | 13.6 | 14.8 | 17.7 | 10.3 | 17.4 |
| 2006 | 14.2 | 16.4 | 15.9 | 13.4 | 15.5 | 12.1 | 15.1 | 13.3 | 10.7 | 17.6 | 12.7 | 16.7 | 14.2 | 16.6 | 16.6 | 11.2 | 17.2 |
| 2007 | 14.3 | 16.0 | 15.2 | 13.5 | 15.8 | 12.4 | 16.0 | 16.7 | 10.6 | 17.0 | 12.1 | 17.4 | 13.7 | 18.0 | 16.5 | 11.0 | 16.1 |
| 2008 | 14.2 | 15.2 | 15.9 | 12.8 | 14.6 | 12.2 | 16.7 | 14.6 | 11.4 | 16.0 | 11.2 | 16.9 | 13.3 | 17.8 | 16.8 | 9.8 | 16.5 |
| 2009 | 13.5 | 14.0 | 16.2 | 13.0 | 13.7 | 11.9 | 16.2 | 15.0 | 8.0 | 14.5 | 10.9 | 16.4 | 12.6 | 16.2 | 16.0 | 9.1 | 15.8 |
| 2010 | 13.0 | 13.2 | 15.4 | 13.6 | 13.2 | 12.5 | 14.2 | 12.4 | 9.8 | 14.2 | 10.1 | 16.2 | 12.4 | 13.3 | 14.6 | 8.6 | 16.5 |

Notes: ^a Number of births per 1,000 population; ^b Included in Yuma County prior to 1983; The birth rates by county of residence for 2011-2021 are in Table 5B-2.

**TABLE 8B-1
NUMBER OF DEATHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1970-2010**

| <u>Year</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^a</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Navajo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 14,857 | 266 | 511 | 288 | 282 | 149 | 77 | 7,895 | 238 | 341 | 3,062 | 548 | 90 | 555 | 555 | 555 |
| 1971 | 15,671 | 312 | 476 | 297 | 332 | 153 | 72 | 8,218 | 279 | 405 | 3,265 | 625 | 97 | 573 | 573 | 567 |
| 1972 | 15,809 | 300 | 538 | 292 | 290 | 142 | 64 | 8,289 | 291 | 359 | 3,345 | 629 | 118 | 606 | 606 | 546 |
| 1973 | 16,844 | 377 | 499 | 310 | 303 | 166 | 81 | 8,939 | 353 | 383 | 3,459 | 661 | 134 | 627 | 627 | 552 |
| 1974 | 17,031 | 320 | 517 | 302 | 330 | 177 | 84 | 9,240 | 355 | 355 | 3,508 | 608 | 113 | 566 | 566 | 556 |
| 1975 | 16,964 | 316 | 512 | 278 | 284 | 174 | 74 | 9,147 | 406 | 355 | 3,511 | 579 | 120 | 647 | 647 | 561 |
| 1976 | 17,302 | 335 | 503 | 285 | 336 | 133 | 66 | 9,429 | 421 | 494 | 3,489 | 628 | 127 | 631 | 631 | 522 |
| 1977 | 17,993 | 325 | 545 | 320 | 334 | 157 | 61 | 9,972 | 435 | 379 | 3,479 | 638 | 123 | 668 | 668 | 557 |
| 1978 | 19,097 | 355 | 534 | 306 | 340 | 150 | 56 | 10,614 | 491 | 365 | 3,708 | 692 | 117 | 732 | 732 | 637 |
| 1979 | 19,648 | 314 | 595 | 319 | 377 | 174 | 60 | 10,919 | 442 | 437 | 3,832 | 708 | 135 | 724 | 724 | 612 |
| 1980 | 21,226 | 302 | 631 | 309 | 330 | 171 | 86 | 11,769 | 549 | 415 | 4,311 | 731 | 121 | 801 | 801 | 700 |
| 1981 | 21,318 | 302 | 628 | 308 | 337 | 184 | 52 | 11,923 | 548 | 415 | 4,253 | 745 | 125 | 813 | 813 | 685 |
| 1982 | 21,951 | 317 | 644 | 339 | 417 | 164 | 73 | 12,214 | 612 | 400 | 4,279 | 741 | 135 | 878 | 878 | 738 |
| 1983 | 22,482 | 294 | 712 | 320 | 385 | 194 | 61 | 140 | 12,433 | 593 | 406 | 782 | 131 | 961 | 961 | 574 |
| 1984 | 23,785 | 306 | 664 | 341 | 396 | 175 | 66 | 154 | 13,398 | 607 | 428 | 814 | 150 | 964 | 964 | 588 |
| 1985 | 24,577 | 330 | 687 | 379 | 381 | 169 | 47 | 136 | 13,661 | 753 | 460 | 875 | 148 | 1,057 | 1,057 | 719 |
| 1986 | 25,409 | 335 | 662 | 383 | 399 | 189 | 50 | 128 | 14,106 | 795 | 484 | 942 | 147 | 1,032 | 1,032 | 667 |
| 1987 | 26,670 | 343 | 764 | 392 | 408 | 193 | 67 | 151 | 14,746 | 877 | 462 | 922 | 159 | 1,213 | 1,213 | 678 |
| 1988 | 27,511 | 329 | 748 | 404 | 413 | 197 | 64 | 157 | 15,217 | 972 | 471 | 5,362 | 1,019 | 1,217 | 1,217 | 748 |
| 1989 | 27,838 | 344 | 748 | 386 | 426 | 216 | 49 | 144 | 15,495 | 995 | 506 | 5,324 | 1,066 | 1,254 | 1,254 | 713 |
| 1990 | 28,471 | 391 | 797 | 397 | 462 | 220 | 58 | 132 | 15,805 | 1,070 | 521 | 5,571 | 1,004 | 1,218 | 1,218 | 686 |
| 1991 | 29,173 | 389 | 801 | 413 | 491 | 228 | 64 | 169 | 16,048 | 1,112 | 465 | 5,738 | 1,051 | 1,293 | 1,293 | 730 |
| 1992 | 30,814 | 406 | 806 | 439 | 488 | 237 | 47 | 171 | 17,085 | 1,183 | 556 | 5,952 | 1,059 | 1,410 | 1,410 | 723 |
| 1993 | 33,295 | 397 | 885 | 465 | 537 | 217 | 78 | 142 | 18,310 | 1,330 | 628 | 6,398 | 1,088 | 1,491 | 1,491 | 846 |
| 1994 | 34,282 | 369 | 836 | 451 | 500 | 229 | 50 | 159 | 19,001 | 1,390 | 598 | 6,648 | 1,220 | 1,520 | 1,520 | 820 |
| 1995 | 35,428 | 380 | 919 | 526 | 586 | 259 | 65 | 186 | 19,340 | 1,464 | 580 | 6,689 | 1,323 | 1,693 | 1,693 | 888 |
| 1996 | 36,579 | 459 | 936 | 474 | 540 | 274 | 59 | 183 | 20,339 | 1,441 | 658 | 6,876 | 1,275 | 1,661 | 1,661 | 863 |
| 1997 | 37,151 | 390 | 977 | 464 | 580 | 234 | 59 | 170 | 20,327 | 1,639 | 658 | 6,995 | 1,345 | 1,804 | 1,804 | 913 |
| 1998 | 38,395 | 418 | 1,027 | 542 | 624 | 269 | 67 | 207 | 21,041 | 1,807 | 611 | 6,993 | 1,452 | 1,876 | 1,876 | 922 |
| 1999 | 39,673 | 436 | 1,005 | 486 | 636 | 290 | 67 | 165 | 22,348 | 1,752 | 682 | 7,229 | 1,426 | 1,899 | 1,899 | 928 |
| 2000 | 40,202 | 453 | 1,067 | 501 | 578 | 244 | 73 | 185 | 22,600 | 1,917 | 656 | 7,329 | 1,541 | 1,897 | 1,897 | 946 |
| 2001 | 40,851 | 479 | 1,087 | 548 | 637 | 256 | 45 | 171 | 22,790 | 1,915 | 677 | 7,460 | 1,513 | 1,927 | 1,927 | 1,004 |
| 2002 | 42,320 | 448 | 1,078 | 592 | 658 | 262 | 63 | 217 | 23,490 | 2,047 | 692 | 7,691 | 1,672 | 2,036 | 2,036 | 1,122 |
| 2003 | 42,830 | 509 | 1,126 | 620 | 638 | 265 | 55 | 183 | 23,549 | 2,151 | 813 | 7,719 | 1,684 | 2,149 | 2,149 | 1,133 |
| 2004 | 42,736 | 521 | 1,099 | 592 | 647 | 274 | 46 | 225 | 23,533 | 2,253 | 775 | 7,625 | 1,673 | 2,089 | 2,089 | 1,137 |
| 2005 | 45,115 | 499 | 1,116 | 632 | 690 | 282 | 62 | 181 | 24,902 | 2,345 | 802 | 7,948 | 1,886 | 2,263 | 2,263 | 1,246 |
| 2006 | 45,415 | 454 | 1,140 | 619 | 627 | 295 | 65 | 200 | 25,176 | 2,354 | 860 | 7,885 | 1,948 | 2,386 | 2,386 | 1,164 |
| 2007 | 44,640 | 522 | 1,093 | 621 | 666 | 282 | 63 | 204 | 24,417 | 2,153 | 888 | 7,899 | 2,033 | 2,342 | 2,342 | 1,180 |
| 2008 | 45,128 | 510 | 1,185 | 675 | 718 | 294 | 52 | 200 | 24,304 | 2,461 | 793 | 8,075 | 2,023 | 2,373 | 2,373 | 1,105 |
| 2009 | 45,065 | 530 | 1,122 | 676 | 646 | 271 | 50 | 227 | 24,349 | 2,260 | 825 | 8,065 | 1,994 | 2,303 | 2,303 | 1,306 |
| 2010 | 45,871 | 544 | 1,218 | 678 | 661 | 302 | 55 | 200 | 24,438 | 2,368 | 819 | 8,163 | 2,258 | 2,436 | 2,436 | 1,279 |

Notes: ^a Included in Yuma County prior to 1983; The number of deaths by county of residence for 2011-2021 are in Table 5E-1.

**TABLE 8B-2
DEATH RATES^a BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1970-2010**

| <u>Year</u> | <u>U.S.</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^b</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Navajo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 9.4 | 8.4 | 8.2 | 8.3 | 6.0 | 9.6 | 9.0 | 7.5 | 8.1 | 9.2 | 9.2 | 7.2 | 8.7 | 8.0 | 6.4 | 15.0 | 9.1 |
| 1971 | 9.3 | 8.4 | 8.9 | 7.2 | 5.7 | 10.9 | 8.9 | 6.5 | 8.1 | 9.9 | 8.1 | 8.0 | 8.8 | 8.5 | 6.6 | 14.4 | 8.9 |
| 1972 | 9.4 | 8.1 | 8.3 | 7.8 | 5.2 | 9.4 | 8.3 | 5.8 | 7.8 | 9.7 | 7.8 | 6.9 | 8.5 | 8.3 | 7.7 | 13.9 | 8.4 |
| 1973 | 9.4 | 8.1 | 9.7 | 6.9 | 5.2 | 9.5 | 9.0 | 7.1 | 7.9 | 10.5 | 7.9 | 7.1 | 8.3 | 8.2 | 8.2 | 13.4 | 8.3 |
| 1974 | 9.1 | 7.9 | 8.1 | 7.0 | 4.8 | 10.1 | 9.1 | 7.0 | 7.8 | 10.1 | 7.8 | 6.3 | 8.2 | 7.2 | 6.6 | 11.6 | 8.1 |
| 1975 | 8.8 | 7.6 | 7.7 | 6.9 | 4.3 | 8.7 | 8.6 | 6.2 | 7.5 | 10.9 | 7.5 | 6.1 | 8.0 | 6.6 | 6.9 | 13.2 | 8.0 |
| 1976 | 8.8 | 7.6 | 7.7 | 6.7 | 4.2 | 10.2 | 6.6 | 5.7 | 7.6 | 10.7 | 7.6 | 6.4 | 7.7 | 7.2 | 7.6 | 12.7 | 7.7 |
| 1977 | 8.6 | 7.7 | 7.3 | 7.1 | 4.7 | 10.0 | 7.7 | 5.4 | 7.7 | 10.3 | 7.7 | 6.1 | 7.5 | 7.1 | 6.8 | 11.7 | 7.4 |
| 1978 | 8.7 | 7.7 | 7.2 | 6.8 | 4.0 | 9.8 | 7.3 | 4.9 | 7.8 | 11.1 | 7.8 | 5.1 | 7.7 | 7.9 | 6.1 | 12.2 | 8.4 |
| 1979 | 8.5 | 7.5 | 6.4 | 7.2 | 3.9 | 10.5 | 8.0 | 5.1 | 7.5 | 9.0 | 7.5 | 5.9 | 7.4 | 7.7 | 6.9 | 11.7 | 7.8 |
| 1980 | 8.8 | 7.8 | 5.8 | 7.3 | 4.1 | 8.9 | 7.5 | 7.5 | 7.8 | 9.8 | 7.8 | 6.1 | 8.1 | 8.0 | 5.9 | 11.8 | 7.7 |
| 1981 | 8.6 | 7.6 | 5.8 | 7.1 | 3.8 | 8.9 | 7.9 | 4.3 | 7.7 | 9.7 | 7.7 | 6.0 | 7.7 | 8.0 | 5.9 | 11.7 | 7.5 |
| 1982 | 8.5 | 7.6 | 5.7 | 7.2 | 4.1 | 10.9 | 6.9 | 5.6 | 7.6 | 10.7 | 7.6 | 5.7 | 7.5 | 7.8 | 6.1 | 12.2 | 7.8 |
| 1983 | 8.6 | 7.7 | 5.2 | 7.8 | 3.9 | 9.9 | 7.6 | 5.1 | 7.6 | 9.9 | 7.6 | 5.6 | 7.7 | 8.1 | 5.9 | 13.1 | 7.1 |
| 1984 | 8.6 | 7.7 | 5.9 | 7.3 | 4.1 | 10.5 | 7.3 | 5.8 | 11.4 | 9.3 | 7.7 | 6.0 | 7.8 | 8.3 | 6.7 | 11.9 | 6.9 |
| 1985 | 8.7 | 7.7 | 5.9 | 7.1 | 4.4 | 10.0 | 7.2 | 5.4 | 9.4 | 10.4 | 7.6 | 6.4 | 7.8 | 7.8 | 5.5 | 12.0 | 8.0 |
| 1986 | 8.8 | 7.6 | 5.9 | 6.8 | 4.3 | 10.0 | 7.7 | 5.2 | 9.1 | 10.3 | 7.4 | 6.5 | 7.9 | 9.1 | 5.3 | 11.3 | 7.6 |
| 1987 | 8.8 | 7.7 | 5.5 | 7.6 | 4.3 | 10.0 | 7.4 | 6.9 | 10.1 | 11.1 | 7.4 | 6.1 | 8.0 | 8.6 | 5.5 | 12.8 | 7.6 |
| 1988 | 8.9 | 7.7 | 5.1 | 7.3 | 4.3 | 10.2 | 8.0 | 6.7 | 11.0 | 11.9 | 7.4 | 6.1 | 7.8 | 9.2 | 6.4 | 12.4 | 8.2 |
| 1989 | 8.7 | 7.5 | 5.2 | 7.2 | 4.0 | 10.4 | 8.6 | 5.2 | 9.7 | 11.9 | 7.2 | 6.4 | 7.5 | 9.4 | 5.6 | 12.4 | 7.6 |
| 1990 | 8.6 | 7.8 | 6.3 | 8.2 | 4.1 | 11.5 | 8.3 | 7.2 | 9.5 | 11.4 | 7.4 | 7.6 | 8.4 | 8.6 | 4.7 | 11.3 | 6.4 |
| 1991 | 8.6 | 7.8 | 6.2 | 8.1 | 4.2 | 12.1 | 8.4 | 8.3 | 12.1 | 11.2 | 7.4 | 6.0 | 8.4 | 8.8 | 5.8 | 11.6 | 6.6 |
| 1992 | 8.5 | 8.0 | 6.5 | 8.0 | 4.3 | 11.7 | 8.6 | 5.6 | 11.5 | 11.2 | 7.6 | 6.9 | 8.5 | 8.6 | 5.4 | 12.4 | 6.4 |
| 1993 | 8.8 | 8.4 | 6.2 | 8.6 | 4.5 | 12.7 | 7.7 | 9.2 | 9.4 | 12.6 | 8.0 | 7.7 | 8.9 | 8.7 | 6.3 | 12.7 | 7.3 |
| 1994 | 8.8 | 8.5 | 5.7 | 8.0 | 4.3 | 11.8 | 8.0 | 5.5 | 10.3 | 12.3 | 8.1 | 7.2 | 9.1 | 9.6 | 5.7 | 12.6 | 6.4 |
| 1995 | 8.8 | 8.5 | 5.9 | 8.4 | 4.8 | 13.2 | 8.3 | 7.6 | 11.3 | 11.6 | 8.0 | 7.0 | 9.0 | 9.7 | 5.7 | 13.3 | 7.2 |
| 1996 | 8.8 | 8.2 | 7.1 | 8.1 | 4.1 | 12.0 | 8.8 | 6.8 | 10.0 | 11.3 | 7.7 | 7.8 | 8.8 | 8.8 | 5.1 | 12.3 | 6.9 |
| 1997 | 8.5 | 8.1 | 6.0 | 8.4 | 4.0 | 12.6 | 7.3 | 6.8 | 9.1 | 12.4 | 7.6 | 7.7 | 8.8 | 9.0 | 5.9 | 12.9 | 7.1 |
| 1998 | 8.5 | 8.1 | 6.3 | 8.7 | 4.6 | 13.3 | 8.1 | 7.6 | 10.7 | 13.1 | 7.5 | 7.1 | 8.6 | 9.5 | 5.9 | 13.0 | 7.0 |
| 1999 | 8.6 | 8.1 | 6.5 | 8.1 | 4.0 | 12.7 | 8.1 | 7.3 | 8.6 | 11.7 | 7.7 | 7.3 | 8.5 | 8.6 | 5.0 | 12.2 | 6.6 |
| 2000 | 8.5 | 7.8 | 6.5 | 9.1 | 4.3 | 11.3 | 7.3 | 8.5 | 9.4 | 12.4 | 7.4 | 6.7 | 8.7 | 8.6 | 5.3 | 11.3 | 5.9 |
| 2001 | 8.5 | 7.7 | 7.0 | 9.1 | 4.6 | 12.4 | 7.7 | 5.4 | 8.7 | 11.8 | 7.1 | 6.8 | 8.6 | 8.0 | 5.1 | 11.0 | 6.1 |
| 2002 | 8.5 | 7.7 | 6.4 | 8.7 | 4.7 | 12.4 | 7.7 | 7.3 | 10.7 | 12.3 | 7.1 | 6.8 | 8.6 | 8.7 | 5.9 | 11.3 | 6.6 |
| 2003 | 8.4 | 7.6 | 7.2 | 9.0 | 4.8 | 12.0 | 7.7 | 6.4 | 8.8 | 12.6 | 7.0 | 7.8 | 8.5 | 8.4 | 5.3 | 11.5 | 6.5 |
| 2004 | 8.0 | 7.3 | 7.3 | 8.4 | 4.6 | 12.0 | 7.6 | 5.5 | 10.6 | 12.5 | 6.7 | 7.2 | 8.2 | 7.7 | 5.4 | 10.6 | 6.3 |
| 2005 | 8.3 | 7.5 | 6.8 | 8.5 | 4.8 | 12.7 | 8.0 | 7.5 | 8.5 | 12.5 | 6.8 | 7.3 | 8.3 | 7.6 | 5.8 | 11.0 | 6.6 |
| 2006 | 8.1 | 7.3 | 6.1 | 8.5 | 4.7 | 11.4 | 8.2 | 7.8 | 9.3 | 12.1 | 6.7 | 7.6 | 8.0 | 7.2 | 5.3 | 11.2 | 6.0 |
| 2007 | 8.0 | 6.9 | 6.9 | 7.9 | 4.6 | 11.9 | 7.8 | 7.6 | 9.4 | 10.7 | 6.3 | 7.7 | 7.9 | 6.9 | 5.7 | 10.6 | 5.9 |
| 2008 | 8.2 | 6.9 | 6.7 | 8.5 | 5.0 | 12.5 | 7.6 | 5.8 | 9.3 | 12.0 | 6.2 | 6.9 | 8.0 | 6.3 | 5.3 | 10.5 | 5.4 |
| 2009 | 8.3 | 6.8 | 6.9 | 7.9 | 4.9 | 10.9 | 6.8 | 5.8 | 10.4 | 11.1 | 6.1 | 7.1 | 7.9 | 6.1 | 6.0 | 10.1 | 6.4 |
| 2010 | 7.5 | 7.2 | 7.6 | 9.3 | 5.0 | 12.3 | 8.1 | 6.5 | 9.8 | 11.8 | 6.4 | 7.6 | 8.3 | 6.0 | 5.5 | 11.5 | 6.5 |

Notes: ^a Number of deaths per 1,000 population (unadjusted for differences in the age composition); ^b Included in Yuma County prior to 1983; The death rates by county of residence for 2011-2021 are in Table 5E-4.

**TABLE 8C-1
NUMBER OF INFANT MORTALITY BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1970-2010**

| Year | Arizona | Apache | Cochise | Coconino | Gila | Graham | Greenlee | La Paz ^a | Maricopa | Mohave | Navajo | Pima | Pinal | Santa Cruz | Yavapai | Yuma |
|------|---------|--------|---------|----------|------|--------|----------|---------------------|----------|--------|--------|------|-------|------------|---------|------|
| 1970 | 670† | 36 | 19 | 39 | 11 | 9 | 9 | 305 | * | 43 | 120 | 36 | 36 | * | 8 | 27 |
| 1971 | 710† | 25 | 22 | 34 | 25 | * | 6 | 330 | 10 | 53 | 113 | 39 | 39 | * | 11 | 37 |
| 1972 | 630† | 34 | 26 | 35 | 17 | * | * | 282 | * | 30 | 117 | 35 | 35 | * | 16 | 19 |
| 1973 | 590† | 40 | 28 | 25 | 11 | * | * | 285 | * | 32 | 86 | 32 | 32 | 9 | 12 | 16 |
| 1974 | 590† | 30 | 24 | 35 | 14 | 7 | * | 316 | 7 | 37 | 79 | 22 | 22 | * | * | 15 |
| 1975 | 590† | 27 | 24 | 32 | 11 | 8 | 7 | 289 | 6 | 33 | 81 | 31 | 31 | * | 8 | 25 |
| 1976 | 610† | 26 | 27 | 28 | 17 | 9 | * | 285 | 11 | 40 | 95 | 31 | 31 | * | 9 | 29 |
| 1977 | 560† | 21 | 18 | 32 | 11 | 9 | * | 282 | 11 | 36 | 68 | 28 | 28 | * | 19 | 18 |
| 1978 | 560† | 29 | 21 | 22 | 9 | 7 | 0 | 307 | 11 | 27 | 72 | 20 | 20 | * | 12 | 23 |
| 1979 | 640† | 33 | 25 | 34 | 10 | * | * | 344 | 8 | 32 | 83 | 23 | 23 | * | 11 | 21 |
| 1980 | 620† | 23 | 19 | 20 | 12 | 8 | * | 358 | 18 | 27 | 72 | 17 | 17 | * | 11 | 26 |
| 1981 | 600† | 25 | 22 | 20 | * | 14 | * | 333 | 8 | 29 | 84 | 17 | 17 | * | 15 | 22 |
| 1982 | 490† | 21 | 14 | 16 | 13 | * | * | 265 | 11 | 18 | 76 | 19 | 19 | * | 10 | 16 |
| 1983 | 510† | 20 | 20 | 22 | * | * | 0 | 266 | 9 | 23 | 88 | 17 | 17 | * | 11 | 14 |
| 1984 | 530† | 25 | 23 | 16 | * | 7 | * | 272 | 8 | 18 | 96 | 27 | 27 | * | 11 | 12 |
| 1985 | 570† | 22 | 15 | 21 | * | * | * | 319 | 7 | 26 | 94 | 18 | 18 | * | 9 | 19 |
| 1986 | 570† | 16 | 8 | 18 | 8 | * | * | 340 | 11 | 12 | 94 | 27 | 27 | * | 13 | 12 |
| 1987 | 600† | 16 | 11 | 15 | * | * | 0 | 368 | 10 | 31 | 84 | 19 | 19 | 7 | 11 | 18 |
| 1988 | 630† | 10 | 14 | 22 | 7 | * | * | 382 | 15 | 21 | 104 | 15 | 15 | 7 | 13 | 16 |
| 1989 | 610† | 13 | 12 | 18 | * | * | 0 | 362 | 23 | 31 | 81 | 23 | 23 | 8 | 12 | 20 |
| 1990 | 600† | 15 | 13 | 22 | * | * | 0 | 359 | 17 | 23 | 93 | 17 | 17 | 8 | 8 | 17 |
| 1991 | 580† | 14 | 17 | 19 | 14 | * | 0 | 333 | 9 | 14 | 98 | 21 | 21 | * | 18 | 14 |
| 1992 | 570† | 19 | 10 | 14 | 7 | * | 0 | 342 | 16 | 23 | 89 | 17 | 17 | * | 9 | 14 |
| 1993 | 530† | 15 | 16 | 19 | * | * | * | 317 | 13 | 13 | 80 | 11 | 11 | * | 11 | 15 |
| 1994 | 560† | 13 | 15 | 14 | 6 | * | * | 333 | 13 | 13 | 88 | 22 | 22 | * | 10 | 14 |
| 1995 | 550† | 14 | 22 | 10 | * | * | * | 324 | 14 | 18 | 88 | 15 | 15 | * | 12 | 14 |
| 1996 | 580† | 7 | 13 | 17 | 6 | 8 | * | 361 | 20 | 17 | 74 | 12 | 12 | * | 13 | 17 |
| 1997 | 540† | 8 | 10 | 17 | 7 | * | 0 | 345 | 17 | 12 | 70 | 21 | 21 | * | 8 | 9 |
| 1998 | 590† | 10 | 13 | 17 | * | * | * | 358 | 19 | 21 | 75 | 22 | 22 | * | 18 | 21 |
| 1999 | 550† | 11 | 12 | * | 6 | * | * | 366 | 14 | 15 | 64 | 18 | 18 | * | 8 | 18 |
| 2000 | 570† | 16 | 11 | 16 | 6 | * | 0 | 356 | 16 | 11 | 76 | 25 | 25 | * | 12 | 16 |
| 2001 | 590† | 8 | 12 | 6 | * | * | * | 371 | 12 | 10 | 92 | 21 | 21 | * | 14 | 25 |
| 2002 | 550† | 6 | 13 | 13 | 8 | 6 | * | 361 | 9 | 7 | 90 | 16 | 16 | * | 9 | 8 |
| 2003 | 590† | 6 | 19 | 11 | 6 | * | 0 | 369 | 21 | 15 | 84 | 19 | 19 | * | 8 | 23 |
| 2004 | 620† | 12 | 13 | 14 | 6 | * | * | 396 | 16 | 12 | 99 | 20 | 20 | 7 | 6 | 17 |
| 2005 | 650† | 14 | 19 | 14 | 7 | * | * | 383 | 27 | 17 | 109 | 30 | 30 | * | 10 | 14 |
| 2006 | 640† | 6 | 17 | 10 | * | * | 0 | 406 | 18 | 9 | 100 | 29 | 29 | * | 19 | 18 |
| 2007 | 700† | 6 | 16 | 13 | 10 | 7 | 0 | 422 | 17 | 22 | 100 | 39 | 39 | * | 19 | 24 |
| 2008 | 630† | 13 | 11 | 11 | * | 6 | * | 382 | 8 | 17 | 97 | 33 | 33 | * | 9 | 26 |
| 2009 | 550† | 11 | 10 | 6 | * | * | 0 | 329 | 12 | 9 | 81 | 39 | 39 | * | 15 | 20 |
| 2010 | 520† | 7 | 15 | 15 | 7 | * | * | 312 | 11 | 9 | 74 | 20 | 20 | 11 | 10 | 20 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Included in Yuma County prior to 1983; The number of infant deaths by county of residence for 2011-2021 are in Table 5E-16.

**TABLE 8C-2
INFANT MORTALITY RATES^a BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1970-2010**

| <u>Year</u> | <u>U.S.</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^b</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Navajo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 19.8 | 17.8 | 26.3 | 14.1 | 27.7 | 15.9 | 24.3 | 38.8 | | 15.5 | ** | 29.0 | 17.3 | 23.2 | ** | 14.7 | 19.4 |
| 1971 | 19.2 | 18.4 | 18.2 | 14.3 | 24.0 | 34.8 | ** | 19.7 | | 16.8 | 21.5 | 36.9 | 15.9 | 23.6 | ** | 19.5 | 24.2 |
| 1972 | 18.5 | 16.7 | 23.5 | 17.0 | 25.7 | 27.2 | ** | ** | | 14.8 | ** | 21.3 | 16.6 | 21.8 | ** | 24.7 | 13.2 |
| 1973 | 17.7 | 15.4 | 29.7 | 18.1 | 17.4 | 17.0 | ** | ** | | 14.6 | ** | 22.0 | 12.5 | 19.5 | 23.7 | 20.3 | 11.0 |
| 1974 | 16.7 | 14.9 | 21.5 | 16.2 | 24.1 | 19.7 | 18.0 | ** | | 15.4 | 13.5 | 24.8 | 10.8 | 12.5 | ** | ** | 9.8 |
| 1975 | 16.1 | 14.8 | 18.8 | 15.9 | 21.6 | 16.5 | 18.8 | 23.5 | | 14.4 | 11.0 | 20.2 | 11.1 | 18.1 | ** | 12.6 | 15.5 |
| 1976 | 15.2 | 15.3 | 16.4 | 19.4 | 18.6 | 26.4 | 21.0 | ** | | 14.1 | 18.6 | 24.0 | 12.9 | 19.0 | ** | 12.3 | 17.6 |
| 1977 | 14.1 | 13.4 | 13.6 | 11.9 | 21.0 | 16.1 | 18.7 | ** | | 13.3 | 17.0 | 20.9 | 8.8 | 17.0 | ** | 23.8 | 11.0 |
| 1978 | 13.8 | 13.1 | 17.8 | 13.4 | 13.6 | 14.0 | 16.5 | 0.0 | | 13.7 | 17.1 | 15.8 | 9.4 | 11.8 | ** | 15.3 | 14.3 |
| 1979 | 13.1 | 13.6 | 21.6 | 16.6 | 20.8 | 14.1 | ** | ** | | 13.8 | 11.1 | 17.9 | 10.2 | 13.9 | ** | 12.3 | 11.9 |
| 1980 | 12.6 | 12.4 | 14.1 | 12.1 | 10.9 | 17.0 | 15.6 | ** | | 13.4 | 20.7 | 14.2 | 8.1 | 9.2 | ** | 11.8 | 14.6 |
| 1981 | 11.9 | 11.6 | 14.9 | 13.4 | 11.5 | ** | 27.5 | ** | | 12.0 | 9.0 | 16.0 | 9.2 | 9.0 | ** | 15.0 | 11.3 |
| 1982 | 11.5 | 9.3 | 11.4 | 9.0 | 9.0 | 16.0 | ** | ** | | 9.3 | 12.4 | 9.6 | 8.3 | 9.8 | ** | 9.4 | 8.4 |
| 1983 | 11.2 | 9.6 | 11.2 | 12.8 | 12.2 | ** | ** | 0.0 | 33.9 | 9.2 | 9.7 | 12.0 | 9.2 | 9.1 | ** | 10.7 | 8.3 |
| 1984 | 10.8 | 9.5 | 13.8 | 14.2 | 8.8 | ** | 15.7 | ** | | 8.9 | 8.1 | 9.7 | 9.9 | 14.6 | ** | 11.0 | 6.9 |
| 1985 | 10.6 | 9.6 | 11.9 | 9.6 | 10.8 | ** | ** | ** | 25.6 | 9.4 | 7.2 | 13.7 | 9.1 | 8.8 | ** | 8.3 | 9.7 |
| 1986 | 10.4 | 9.4 | 9.1 | 5.2 | 9.8 | 12.8 | ** | ** | 0.0 | 9.6 | 10.3 | 6.3 | 9.0 | 13.1 | ** | 11.5 | 6.1 |
| 1987 | 10.0 | 9.4 | 8.6 | 6.8 | 7.5 | ** | ** | 0.0 | ** | 10.0 | 8.5 | 15.6 | 7.7 | 8.9 | 12.8 | 9.4 | 9.1 |
| 1988 | 9.9 | 9.7 | 5.3 | 8.5 | 11.2 | 10.6 | ** | ** | ** | 10.0 | 12.2 | 10.7 | 9.3 | 7.2 | 12.0 | 10.1 | 7.6 |
| 1989 | 9.7 | 9.1 | 7.3 | 6.9 | 8.8 | ** | ** | 0.0 | ** | 9.2 | 17.0 | 15.6 | 7.2 | 11.0 | 11.4 | 9.6 | 8.6 |
| 1990 | 9.1 | 8.7 | 8.3 | 7.5 | 11.2 | ** | ** | 0.0 | ** | 8.9 | 11.4 | 11.7 | 8.1 | 8.0 | 10.2 | 6.6 | 6.9 |
| 1991 | 8.9 | 8.6 | 8.1 | 10.5 | 9.7 | 21.9 | ** | 0.0 | ** | 8.3 | 5.8 | 7.5 | 8.7 | 9.9 | ** | 14.7 | 5.5 |
| 1992 | 8.5 | 8.3 | 11.7 | 5.7 | 7.5 | 10.0 | ** | 0.0 | 0.0 | 8.5 | 10.6 | 12.5 | 7.7 | 8.3 | ** | 7.0 | 5.0 |
| 1993 | 8.3 | 7.7 | 9.3 | 9.6 | 10.3 | ** | ** | ** | ** | 7.8 | 7.4 | 7.0 | 7.1 | 5.3 | ** | 8.3 | 5.1 |
| 1994 | 7.9 | 7.9 | 8.8 | 8.8 | 8.1 | 8.9 | ** | ** | ** | 7.9 | 7.0 | 7.3 | 7.7 | 10.8 | ** | 7.3 | 4.7 |
| 1995 | 7.6 | 7.6 | 10.6 | 12.5 | 5.7 | ** | ** | ** | ** | 7.4 | 7.6 | 10.9 | 7.9 | 7.4 | ** | 7.8 | 4.6 |
| 1996 | 7.3 | 7.7 | 5.5 | 7.5 | 9.2 | 8.9 | 17.0 | ** | 0.0 | 7.8 | 11.0 | 10.0 | 6.6 | 5.7 | ** | 8.2 | 5.8 |
| 1997 | 7.2 | 7.2 | 6.0 | 6.1 | 9.4 | 10.5 | ** | 0.0 | ** | 7.3 | 9.6 | 7.2 | 6.2 | 9.8 | ** | 5.2 | 3.1 |
| 1998 | 7.2 | 7.6 | 7.8 | 8.0 | 9.7 | ** | ** | ** | ** | 7.3 | 11.3 | 11.9 | 6.5 | 9.9 | ** | 10.6 | 7.5 |
| 1999 | 7.1 | 6.8 | 10.0 | 7.2 | ** | 8.9 | ** | ** | ** | 7.1 | 8.0 | 8.6 | 5.4 | 7.5 | ** | 4.9 | 6.3 |
| 2000 | 6.9 | 6.7 | 12.4 | 6.3 | 8.6 | 8.9 | ** | 0.0 | ** | 6.5 | 9.0 | 6.5 | 6.1 | 9.6 | ** | 6.8 | 5.3 |
| 2001 | 6.8 | 6.9 | 7.4 | 7.3 | 3.2 | ** | ** | ** | ** | 6.7 | 6.6 | 6.4 | 7.6 | 8.2 | ** | 8.0 | 8.3 |
| 2002 | 7.0 | 6.3 | 5.4 | 7.6 | 7.0 | 11.5 | 12.3 | ** | ** | 6.4 | 4.5 | 4.3 | 7.2 | 5.9 | ** | 4.7 | 2.6 |
| 2003 | 6.8 | 6.5 | 4.8 | 10.8 | 5.7 | 8.7 | ** | 0.0 | ** | 6.3 | 9.8 | 8.7 | 6.6 | 6.5 | ** | 4.3 | 7.2 |
| 2004 | 6.8 | 6.7 | 9.0 | 7.2 | 6.9 | 9.0 | ** | ** | ** | 6.5 | 7.3 | 6.7 | 7.6 | 6.5 | ** | 3.0 | 5.1 |
| 2005 | 6.9 | 6.8 | 10.9 | 10.7 | 6.8 | 10.8 | ** | ** | ** | 6.2 | 12.1 | 8.9 | 8.4 | 8.2 | ** | 4.7 | 4.3 |
| 2006 | 6.9 | 6.3 | 5.0 | 9.4 | 4.8 | ** | ** | 0.0 | ** | 6.1 | 7.3 | 4.8 | 7.2 | 6.5 | ** | 8.0 | 5.4 |
| 2007 | 6.7 | 6.8 | 5.2 | 8.6 | 6.1 | 14.4 | 12.0 | 0.0 | ** | 6.4 | 7.0 | 10.9 | 7.2 | 7.4 | ** | 7.9 | 7.4 |
| 2008 | 6.5 | 6.3 | 10.7 | 6.2 | 5.5 | ** | 9.3 | ** | ** | 6.1 | 3.5 | 8.7 | 7.2 | 5.8 | ** | 4.1 | 7.7 |
| 2009 | 6.4 | 5.9 | 8.9 | 5.4 | 3.2 | ** | ** | 0.0 | ** | 5.7 | 5.4 | 4.8 | 6.3 | 7.3 | ** | 7.3 | 6.2 |
| 2010 | 6.2 | 6.0 | 6.4 | 8.4 | 8.5 | 10.4 | ** | ** | ** | 5.8 | 5.4 | 5.2 | 6.1 | 4.0 | 15.9 | 5.5 | 6.2 |

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; ^a Number of infant deaths per 1,000 live births; ^b Included in Yuma County prior to 1983; The infant mortality rates by county of residence for 2011-2021 are in Table 5E-17.

**TABLE 8D-1
NUMBER OF MARRIAGES BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2010**

| <u>Year</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^a</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Navajo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 19,069 | 103 | 681 | 561 | 391 | 208 | 103 | 10,193 | 121 | 328 | 3,933 | 746 | 364 | 382 | 955 | |
| 1971 | 20,865 | 127 | 729 | 567 | 401 | 216 | 123 | 10,630 | 176 | 360 | 4,364 | 884 | 375 | 363 | 1,117 | |
| 1972 | 23,318 | 159 | 789 | 615 | 421 | 251 | 111 | 12,404 | 200 | 396 | 4,929 | 961 | 365 | 445 | 1,272 | |
| 1973 | 26,180 | 139 | 840 | 753 | 523 | 237 | 137 | 13,330 | 209 | 428 | 4,856 | 1,073 | 402 | 457 | 2,896 | |
| 1974 | 27,038 | 125 | 834 | 711 | 503 | 216 | 116 | 13,314 | 232 | 420 | 5,175 | 914 | 383 | 477 | 3,615 | |
| 1975 | 26,558 | 146 | 874 | 645 | 469 | 292 | 150 | 13,022 | 223 | 420 | 5,252 | 791 | 316 | 465 | 3,493 | |
| 1976 | 26,534 | 133 | 889 | 590 | 451 | 270 | 114 | 13,241 | 282 | 455 | 5,116 | 907 | 313 | 471 | 3,302 | |
| 1977 | 26,955 | 105 | 998 | 645 | 437 | 306 | 107 | 14,011 | 243 | 458 | 5,113 | 846 | 305 | 530 | 2,851 | |
| 1978 | 27,725 | 160 | 854 | 561 | 451 | 259 | 108 | 14,865 | 321 | 566 | 5,296 | 824 | 345 | 497 | 2,618 | |
| 1979 | 29,603 | 138 | 969 | 683 | 497 | 269 | 123 | 15,596 | 377 | 546 | 5,957 | 917 | 324 | 522 | 2,685 | |
| 1980 | 30,223 | 165 | 1,072 | 775 | 512 | 317 | 85 | 16,134 | 408 | 581 | 5,728 | 947 | 311 | 610 | 2,579 | |
| 1981 | 31,906 | 196 | 1,008 | 946 | 551 | 331 | 103 | 17,176 | 481 | 511 | 6,152 | 925 | 286 | 745 | 2,495 | |
| 1982 | 31,408 | 227 | 946 | 878 | 437 | 276 | 90 | 17,551 | 457 | 519 | 6,096 | 861 | 316 | 658 | 2,096 | |
| 1983 | 30,809 | 169 | 995 | 554 | 417 | 270 | 68 | 17,431 | 491 | 496 | 6,046 | 857 | 289 | 726 | 1,897 | |
| 1984 | 33,311 | 192 | 961 | 624 | 411 | 261 | 63 | 19,408 | 531 | 517 | 6,282 | 920 | 325 | 743 | 1,975 | |
| 1985 | 35,723 | 181 | 992 | 656 | 403 | 284 | 53 | 18,600 | 698 | 548 | 5,692 | 923 | 350 | 889 | 2,010 | |
| 1986 | 36,025 | 217 | 981 | 855 | 418 | 327 | 53 | 21,340 | 788 | 504 | 6,325 | 847 | 356 | 889 | 1,932 | |
| 1987 | 36,207 | 195 | 878 | 940 | 419 | 275 | 59 | 21,003 | 1,056 | 486 | 6,677 | 895 | 311 | 879 | 1,989 | |
| 1988 | 35,661 | 192 | 887 | 976 | 378 | 277 | 56 | 20,610 | 1,456 | 591 | 6,088 | 872 | 329 | 789 | 1,974 | |
| 1989 | 35,738 | 265 | 829 | 958 | 420 | 292 | 36 | 20,518 | 1,764 | 536 | 6,095 | 738 | 356 | 762 | 2,028 | |
| 1990 | 36,842 | 279 | 846 | 982 | 439 | 282 | 46 | 20,957 | 2,122 | 576 | 6,128 | 837 | 355 | 786 | 2,872 | |
| 1991 | 36,682 | 245 | 590 | 946 | 414 | 264 | 68 | 21,038 | 2,604 | 478 | 6,188 | 725 | 293 | 793 | 1,855 | |
| 1992 | 37,102 | 229 | 917 | 1,026 | 489 | 335 | 59 | 19,458 | 3,399 | 512 | 6,415 | 794 | 327 | 882 | 2,062 | |
| 1993 | 39,650 | 275 | 1,015 | 985 | 392 | 278 | 61 | 19,909 | 5,367 | 659 | 6,294 | 919 | 315 | 960 | 2,035 | |
| 1994 | 39,173 | 278 | 1,018 | 1,053 | 486 | 317 | 63 | 19,861 | 4,602 | 690 | 6,522 | 921 | 346 | 1,034 | 1,902 | |
| 1995 | 40,030 | 277 | 1,020 | 1,014 | 422 | 322 | 62 | 21,021 | 4,659 | 540 | 6,383 | 986 | 278 | 966 | 1,948 | |
| 1996 | 39,611 | 266 | 1,017 | 1,064 | 460 | 329 | 75 | 18,800 | 3,878 | 640 | 6,777 | 1,097 | 312 | 1,067 | 1,790 | |
| 1997 | 41,426 | 274 | 1,024 | 1,089 | 428 | 384 | 64 | 22,032 | 3,402 | 643 | 7,612 | 1,114 | 343 | 1,073 | 1,771 | |
| 1998 | 37,806 | 280 | 1,004 | 964 | 414 | 257 | 71 | 20,636 | 3,279 | 580 | 6,097 | 1,140 | 258 | 1,052 | 1,600 | |
| 1999 | 41,174 | 290 | 1,013 | 946 | 413 | 244 | 58 | 24,223 | 3,186 | 605 | 6,312 | 1,080 | 340 | 734 | 1,580 | |
| 2000 | 39,624 | 284 | 1,063 | 1,095 | 417 | 333 | 46 | 22,910 | 2,312 | 505 | 6,360 | 1,082 | 296 | 1,097 | 1,654 | |
| 2001 | 39,978 | 282 | 1,010 | 994 | 388 | 254 | 58 | 23,032 | 2,013 | 554 | 6,508 | 1,134 | 311 | 1,604 | 1,669 | |
| 2002 | 36,668 | 228 | 987 | 1,003 | 379 | 244 | 42 | 20,864 | 1,924 | 390 | 6,173 | 1,017 | 244 | 1,454 | 1,544 | |
| 2003 | 35,908 | 281 | 920 | 1,009 | 377 | 329 | 41 | 151 | 20,976 | 1,835 | 5,604 | 861 | 285 | 1,357 | 1,457 | |
| 2004 | 37,882 | 282 | 949 | 1,060 | 327 | 273 | 89 | 163 | 22,731 | 1,687 | 410 | 5,831 | 263 | 1,344 | 1,511 | |
| 2005 | 38,308 | 303 | 991 | 1,070 | 360 | 272 | 39 | 144 | 23,361 | 1,619 | 5,210 | 1,089 | 313 | 1,567 | 1,542 | |
| 2006 | 38,983 | 317 | 971 | 1,002 | 339 | 291 | 32 | 174 | 23,379 | 1,676 | 5,786 | 1,279 | 296 | 1,466 | 1,456 | |
| 2007 | 39,495 | 325 | 967 | 1,026 | 358 | 331 | 25 | 147 | 23,964 | 1,524 | 5,705 | 1,365 | 324 | 1,463 | 1,454 | |
| 2008 | 38,030 | 252 | 836 | 985 | 344 | 314 | 60 | 174 | 23,183 | 1,364 | 5,620 | 1,381 | 253 | 1,341 | 1,432 | |
| 2009 | 35,338 | 239 | 963 | 994 | 286 | 313 | 46 | 76 | 21,347 | 1,186 | 5,392 | 1,277 | 201 | 1,144 | 1,351 | |
| 2010 | 38,076 | 219 | 956 | 915 | 317 | 286 | 33 | 135 | 23,127 | 1,304 | 5,972 | 1,373 | 314 | 1,237 | 1,309 | |

Notes: ^a Included in Yuma County prior to 1983; The number of marriages by county of occurrence for 2011-2021 are in Table 5G-1.

**TABLE 8D-2
MARRIAGE RATES^a BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2010**

| <u>Year</u> | <u>U.S.</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^b</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Navajo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 10.6 | 10.8 | 3.2 | 11.0 | 11.6 | 13.4 | 12.5 | 10.0 | 10.5 | 4.7 | 6.9 | 6.9 | 11.2 | 10.9 | 26.1 | 10.3 | 15.7 |
| 1971 | 10.6 | 11.2 | 3.6 | 11.0 | 10.8 | 13.2 | 12.6 | 11.2 | 10.9 | 6.3 | 7.1 | 7.1 | 11.7 | 12.1 | 25.5 | 9.1 | 17.6 |
| 1972 | 11.0 | 11.9 | 4.4 | 11.5 | 10.9 | 13.7 | 14.6 | 10.1 | 11.6 | 6.6 | 7.6 | 7.6 | 12.5 | 12.7 | 23.7 | 10.2 | 19.6 |
| 1973 | 10.9 | 12.6 | 3.6 | 11.6 | 12.5 | 13.2 | 12.9 | 12.0 | 11.8 | 6.2 | 8.0 | 8.0 | 11.7 | 13.3 | 24.5 | 9.8 | 43.5 |
| 1974 | 10.5 | 12.6 | 3.1 | 11.5 | 11.4 | 15.4 | 11.3 | 9.7 | 11.4 | 6.6 | 7.6 | 7.6 | 11.9 | 11.0 | 22.4 | 9.8 | 53.3 |
| 1975 | 10.0 | 11.9 | 3.6 | 11.8 | 9.9 | 14.4 | 14.5 | 12.6 | 10.7 | 6.0 | 7.2 | 7.2 | 11.9 | 9.0 | 18.3 | 9.5 | 49.7 |
| 1976 | 9.9 | 11.7 | 3.0 | 11.8 | 8.7 | 13.8 | 13.4 | 9.9 | 10.7 | 7.2 | 7.4 | 7.4 | 11.3 | 10.4 | 18.6 | 9.5 | 48.6 |
| 1977 | 9.9 | 11.5 | 2.4 | 13.0 | 9.6 | 13.1 | 15.0 | 9.6 | 10.9 | 5.8 | 7.4 | 7.4 | 11.0 | 9.4 | 16.8 | 9.3 | 38.1 |
| 1978 | 10.3 | 11.2 | 3.3 | 10.9 | 7.4 | 13.0 | 12.6 | 9.4 | 10.9 | 7.3 | 8.0 | 8.0 | 11.0 | 9.4 | 18.1 | 8.3 | 34.7 |
| 1979 | 10.4 | 11.3 | 2.8 | 11.8 | 8.4 | 13.9 | 12.3 | 10.4 | 10.7 | 7.7 | 7.4 | 7.4 | 11.4 | 10.0 | 16.5 | 8.5 | 34.4 |
| 1980 | 10.6 | 11.1 | 3.2 | 12.4 | 10.3 | 13.8 | 13.6 | 7.5 | 10.7 | 7.3 | 8.5 | 8.5 | 10.9 | 10.4 | 15.2 | 9.0 | 28.5 |
| 1981 | 10.8 | 11.4 | 3.7 | 11.3 | 11.8 | 14.6 | 14.3 | 8.5 | 11.1 | 8.5 | 7.4 | 7.4 | 11.2 | 9.9 | 13.5 | 10.7 | 27.3 |
| 1982 | 10.6 | 11.0 | 4.1 | 10.5 | 10.5 | 11.4 | 11.5 | 6.9 | 11.0 | 8.0 | 7.3 | 7.3 | 10.7 | 9.1 | 14.4 | 9.1 | 22.1 |
| 1983 | 10.5 | 10.5 | 3.0 | 10.9 | 6.8 | 10.7 | 11.2 | 5.7 | 10.7 | 8.2 | 6.9 | 6.9 | 10.4 | 8.9 | 13.0 | 9.9 | 23.5 |
| 1984 | 10.5 | 10.9 | 3.7 | 10.5 | 7.6 | 10.9 | 10.9 | 5.5 | 11.2 | 8.1 | 7.3 | 7.3 | 10.4 | 9.3 | 14.5 | 9.2 | 23.1 |
| 1985 | 10.2 | 11.2 | 3.2 | 10.3 | 7.6 | 10.6 | 12.2 | 6.1 | 12.9 | 9.6 | 7.6 | 7.6 | 9.1 | 9.2 | 12.9 | 10.1 | 22.3 |
| 1986 | 10.0 | 10.7 | 3.6 | 10.0 | 9.6 | 10.5 | 13.3 | 5.5 | 13.7 | 11.2 | 10.2 | 6.8 | 9.8 | 8.2 | 12.9 | 9.7 | 22.0 |
| 1987 | 9.9 | 10.4 | 3.1 | 8.8 | 10.2 | 10.4 | 11.1 | 6.1 | 10.2 | 10.6 | 13.3 | 6.4 | 10.1 | 8.4 | 10.7 | 9.2 | 22.2 |
| 1988 | 9.7 | 9.9 | 3.0 | 8.7 | 10.3 | 9.3 | 11.3 | 5.9 | 13.0 | 10.0 | 17.9 | 7.6 | 8.9 | 7.9 | 10.9 | 8.1 | 21.6 |
| 1989 | 9.7 | 9.6 | 4.0 | 7.9 | 9.8 | 10.2 | 11.6 | 3.8 | 9.7 | 9.5 | 21.1 | 6.7 | 8.6 | 6.5 | 11.5 | 7.5 | 21.7 |
| 1990 | 9.8 | 10.1 | 4.5 | 8.7 | 10.2 | 10.9 | 10.6 | 5.7 | 17.0 | 9.9 | 23.8 | 7.4 | 9.2 | 7.2 | 12.0 | 7.3 | 17.5 |
| 1991 | 9.4 | 9.7 | 3.9 | 5.9 | 9.5 | 10.2 | 9.8 | 8.8 | 12.9 | 9.6 | 26.3 | 6.1 | 9.1 | 6.1 | 9.5 | 7.1 | 16.7 |
| 1992 | 9.2 | 9.6 | 3.6 | 9.1 | 10.1 | 11.7 | 12.1 | 7.1 | 13.4 | 8.7 | 32.1 | 6.4 | 9.2 | 6.5 | 10.5 | 7.7 | 18.3 |
| 1993 | 9.2 | 10.1 | 4.3 | 9.9 | 9.5 | 9.3 | 9.9 | 7.2 | 12.4 | 8.7 | 49.1 | 8.1 | 8.8 | 7.4 | 9.9 | 8.2 | 17.6 |
| 1994 | 9.1 | 9.7 | 4.3 | 9.8 | 9.9 | 11.4 | 11.1 | 7.4 | 11.8 | 8.5 | 40.8 | 7.1 | 8.9 | 7.3 | 10.6 | 8.6 | 16.1 |
| 1995 | 9.1 | 9.6 | 4.3 | 9.3 | 9.2 | 9.5 | 10.3 | 7.3 | 8.0 | 8.7 | 36.9 | 6.5 | 8.5 | 7.2 | 8.4 | 7.6 | 15.8 |
| 1996 | 8.8 | 8.9 | 4.1 | 8.8 | 9.4 | 10.2 | 10.6 | 8.7 | 10.3 | 7.8 | 30.4 | 7.6 | 8.7 | 7.6 | 8.9 | 7.9 | 14.3 |
| 1997 | 8.9 | 9.0 | 4.2 | 8.8 | 9.4 | 9.3 | 11.9 | 7.3 | 9.2 | 8.1 | 25.7 | 7.5 | 9.5 | 7.5 | 9.6 | 7.7 | 13.8 |
| 1998 | 8.3 | 8.0 | 4.2 | 8.5 | 8.1 | 8.8 | 7.7 | 8.0 | 9.0 | 7.4 | 23.8 | 6.7 | 7.5 | 7.4 | 7.0 | 7.3 | 12.2 |
| 1999 | 8.3 | 8.4 | 4.3 | 8.1 | 7.7 | 8.2 | 6.8 | 6.3 | 7.8 | 8.3 | 21.3 | 6.5 | 7.5 | 6.5 | 8.7 | 4.7 | 11.3 |
| 2000 | 8.2 | 7.7 | 4.1 | 9.0 | 9.4 | 8.1 | 9.9 | 5.4 | 8.6 | 7.5 | 14.9 | 5.2 | 7.5 | 6.0 | 7.7 | 6.5 | 10.3 |
| 2001 | 8.2 | 7.5 | 4.1 | 8.5 | 8.4 | 7.5 | 7.6 | 7.0 | 8.5 | 7.2 | 12.4 | 5.5 | 7.5 | 6.0 | 7.9 | 9.1 | 10.1 |
| 2002 | 8.1 | 6.7 | 3.3 | 8.0 | 8.0 | 7.1 | 7.2 | 4.9 | 8.6 | 6.3 | 11.6 | 3.8 | 6.9 | 5.3 | 6.1 | 8.1 | 9.1 |
| 2003 | 7.9 | 6.4 | 4.0 | 7.3 | 7.8 | 7.0 | 9.5 | 4.8 | 7.3 | 6.2 | 10.7 | 4.1 | 6.2 | 4.3 | 7.0 | 7.3 | 8.3 |
| 2004 | 6.7 | 6.5 | 4.0 | 7.3 | 8.2 | 6.0 | 7.6 | 10.7 | 7.7 | 6.5 | 9.4 | 3.8 | 6.3 | 4.4 | 6.3 | 6.8 | 8.3 |
| 2005 | 6.6 | 6.3 | 4.1 | 7.5 | 8.2 | 6.6 | 7.7 | 4.7 | 6.8 | 6.4 | 8.6 | 3.9 | 5.4 | 4.4 | 7.1 | 7.6 | 8.1 |
| 2006 | 6.9 | 6.2 | 4.2 | 7.2 | 7.5 | 6.2 | 8.1 | 3.9 | 8.1 | 6.2 | 8.6 | 4.6 | 5.9 | 4.7 | 6.5 | 6.9 | 7.4 |
| 2007 | 7.4 | 6.1 | 4.3 | 7.0 | 7.6 | 6.4 | 9.1 | 3.0 | 6.7 | 6.2 | 7.6 | 4.5 | 5.7 | 4.7 | 7.0 | 6.6 | 7.2 |
| 2008 | 7.1 | 5.8 | 3.3 | 6.0 | 7.3 | 6.0 | 8.1 | 6.7 | 8.1 | 5.9 | 6.7 | 4.3 | 5.5 | 4.3 | 5.3 | 6.0 | 7.0 |
| 2009 | 6.8 | 5.4 | 3.1 | 6.8 | 7.2 | 4.8 | 7.9 | 5.3 | 3.5 | 5.4 | 5.8 | 4.5 | 5.3 | 3.9 | 4.2 | 5.0 | 6.6 |
| 2010 | 6.8 | 6.0 | 3.1 | 7.3 | 6.8 | 5.9 | 7.7 | 3.9 | 6.6 | 6.1 | 6.5 | 5.4 | 6.1 | 3.7 | 6.6 | 5.9 | 6.7 |

Notes: ^a Number of marriages per 1,000 resident population; ^b Included in Yuma County prior to 1983; The marriage rates by county of occurrence for 2011-2021 are in Table 5G-2.

**TABLE 8E-1
NUMBER OF DISSOLUTIONS OF MARRIAGE BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2010**

| <u>Year</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^a</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Najavo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 13,298 | 34 | 403 | 280 | 219 | 131 | 55 | 8,023 | 126 | 140 | 140 | 2,703 | 449 | 42 | 216 | 477 |
| 1971 | 14,397 | 37 | 420 | 322 | 242 | 109 | 65 | 8,798 | 134 | 136 | 136 | 3,156 | 340 | 54 | 209 | 375 |
| 1972 | 13,197 | 52 | 357 | 345 | 232 | 86 | 49 | 7,749 | 180 | 172 | 172 | 2,681 | 497 | 56 | 232 | 510 |
| 1973 | 14,036 | 34 | 353 | 377 | 176 | 110 | 58 | 8,219 | 234 | 184 | 184 | 3,188 | 385 | 64 | 260 | 434 |
| 1974 | 16,926 | 63 | 607 | 347 | 252 | 134 | 75 | 9,800 | 295 | 172 | 172 | 3,615 | 517 | 91 | 389 | 579 |
| 1975 | 17,577 | 35 | 657 | 380 | 315 | 192 | 84 | 9,826 | 342 | 224 | 224 | 3,772 | 531 | 73 | 351 | 795 |
| 1976 | 19,029 | 58 | 716 | 375 | 278 | 164 | 76 | 11,051 | 426 | 232 | 232 | 3,880 | 461 | 92 | 423 | 797 |
| 1977 | 16,578 | 50 | 575 | 409 | 217 | 134 | 55 | 9,415 | 337 | 219 | 219 | 3,245 | 441 | 97 | 576 | 808 |
| 1978 | 17,320 | 97 | 705 | 384 | 193 | 123 | 67 | 9,938 | 388 | 229 | 229 | 3,422 | 504 | 73 | 475 | 722 |
| 1979 | 19,982 | 101 | 708 | 433 | 243 | 164 | 51 | 11,730 | 443 | 273 | 273 | 3,834 | 643 | 113 | 466 | 780 |
| 1980 | 19,908 | 82 | 666 | 432 | 259 | 157 | 52 | 11,187 | 457 | 212 | 212 | 4,141 | 744 | 106 | 543 | 820 |
| 1981 | 20,819 | 85 | 628 | 489 | 281 | 193 | 53 | 11,871 | 494 | 234 | 234 | 4,336 | 696 | 76 | 550 | 833 |
| 1982 | 20,259 | 91 | 627 | 416 | 256 | 181 | 61 | 11,656 | 498 | 249 | 249 | 3,936 | 666 | 131 | 603 | 888 |
| 1983 | 19,875 | 83 | 634 | 378 | 253 | 146 | 52 | 11,338 | 531 | 246 | 246 | 3,811 | 672 | 116 | 645 | 876 |
| 1984 | 20,009 | 97 | 701 | 429 | 289 | 152 | 32 | 11,626 | 482 | 273 | 273 | 3,747 | 699 | 97 | 629 | 680 |
| 1985 | 21,157 | 110 | 669 | 578 | 239 | 203 | 35 | 12,626 | 563 | 258 | 258 | 3,911 | 622 | 84 | 523 | 659 |
| 1986 | 23,062 | 136 | 802 | 458 | 235 | 133 | 19 | 14,409 | 558 | 360 | 360 | 3,992 | 644 | 92 | 544 | 606 |
| 1987 | 23,760 | 88 | 713 | 520 | 233 | 167 | 39 | 15,185 | 519 | 236 | 236 | 4,086 | 618 | 108 | 619 | 564 |
| 1988 | 24,928 | 68 | 691 | 471 | 260 | 141 | 38 | 16,400 | 535 | 269 | 269 | 3,923 | 673 | 129 | 611 | 610 |
| 1989 | 23,153 | 81 | 750 | 635 | 222 | 139 | 33 | 14,309 | 616 | 206 | 206 | 3,858 | 678 | 127 | 720 | 731 |
| 1990 | 25,088 | 84 | 845 | 579 | 225 | 183 | 41 | 16,267 | 647 | 221 | 221 | 4,079 | 661 | 120 | 696 | 378 |
| 1991 | 24,988 | 79 | 725 | 468 | 231 | 157 | 41 | 15,793 | 787 | 277 | 277 | 4,180 | 673 | 120 | 758 | 636 |
| 1992 | 26,157 | 100 | 816 | 348 | 238 | 179 | 62 | 16,480 | 730 | 325 | 325 | 4,234 | 722 | 142 | 699 | 1,014 |
| 1993 | 24,198 | 70 | 838 | 441 | 330 | 174 | 62 | 14,406 | 893 | 290 | 290 | 4,080 | 731 | 149 | 968 | 715 |
| 1994 | 25,095 | 99 | 827 | 324 | 244 | 179 | 41 | 15,431 | 795 | 281 | 281 | 4,274 | 705 | 134 | 974 | 724 |
| 1995 | 27,604 | 74 | 928 | 257 | 249 | 145 | 62 | 17,992 | 728 | 292 | 292 | 4,107 | 779 | 126 | 953 | 871 |
| 1996 | 26,483 | 118 | 609 | 377 | 292 | 177 | 47 | 16,588 | 953 | 385 | 385 | 4,226 | 770 | 116 | 1,023 | 726 |
| 1997 | 26,363 | 127 | 763 | 360 | 267 | 164 | 37 | 16,380 | 899 | 361 | 361 | 4,156 | 790 | 139 | 1,081 | 777 |
| 1998 | 23,130 | 99 | 721 | 493 | 233 | 136 | 66 | 13,540 | 883 | 210 | 210 | 4,007 | 819 | 104 | 1,058 | 693 |
| 1999 | 22,080 | 71 | 726 | 492 | 277 | 161 | 54 | 13,216 | 790 | 265 | 265 | 3,952 | 699 | 124 | 481 | 710 |
| 2000 | 23,440 | 105 | 687 | 308 | 254 | 162 | 58 | 13,744 | 852 | 334 | 334 | 3,987 | 877 | 113 | 611 | 1,268 |
| 2001 | 24,064 | 125 | 624 | 334 | 218 | 136 | 53 | 15,278 | 881 | 366 | 366 | 4,038 | 714 | 117 | 611 | 506 |
| 2002 | 26,176 | 88 | 580 | 408 | 223 | 142 | 68 | 17,563 | 894 | 303 | 303 | 3,853 | 717 | 124 | 597 | 546 |
| 2003 | 24,269 | 82 | 584 | 342 | 199 | 139 | 46 | 15,371 | 850 | 253 | 253 | 3,965 | 708 | 141 | 788 | 739 |
| 2004 | 24,403 | 61 | 623 | 410 | 200 | 140 | 46 | 15,878 | 744 | 295 | 295 | 3,857 | 589 | 139 | 909 | 462 |
| 2005 | 24,910 | 81 | 639 | 366 | 212 | 208 | 40 | 15,805 | 876 | 345 | 345 | 3,911 | 632 | 130 | 999 | 588 |
| 2006 | 24,274 | 90 | 534 | 325 | 202 | 150 | 51 | 15,771 | 824 | 309 | 309 | 3,647 | 651 | 158 | 810 | 691 |
| 2007 | 24,515 | 70 | 490 | 268 | 184 | 152 | 50 | 15,859 | 851 | 310 | 310 | 3,854 | 822 | 135 | 742 | 643 |
| 2008 | 24,106 | 60 | 531 | 242 | 196 | 157 | 52 | 15,263 | 812 | 315 | 315 | 3,910 | 888 | 139 | 826 | 670 |
| 2009 | 23,140 | 45 | 566 | 260 | 188 | 167 | 54 | 14,088 | 715 | 303 | 303 | 3,949 | 1,051 | 118 | 903 | 724 |
| 2010 | 22,479 | 72 | 645 | 527 | 208 | 191 | 45 | 13,215 | 519 | 163 | 163 | 3,988 | 1,103 | 132 | 905 | 723 |

Notes: ^a Included in Yuma County prior to 1983; The number of dissolutions of marriage by county of occurrence for 2011-2021 are in Table 5G-4.

**TABLE 8E-2
DISSOLUTIONS OF MARRIAGE RATES^a BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2010**

| <u>Year</u> | <u>U.S.</u> | <u>Arizona</u> | <u>Apache</u> | <u>Cochise</u> | <u>Coconino</u> | <u>Gila</u> | <u>Graham</u> | <u>Greenlee</u> | <u>La Paz^b</u> | <u>Maricopa</u> | <u>Mohave</u> | <u>Navajo</u> | <u>Pima</u> | <u>Pinal</u> | <u>Santa Cruz</u> | <u>Yavapai</u> | <u>Yuma</u> |
|-------------|-------------|----------------|---------------|----------------|-----------------|-------------|---------------|-----------------|---------------------------|-----------------|---------------|---------------|-------------|--------------|-------------------|----------------|-------------|
| 1970 | 3.5 | 7.5 | 1.1 | 6.5 | 5.8 | 7.5 | 7.9 | 5.3 | | 8.3 | 4.9 | 2.9 | 7.7 | 6.5 | 3.0 | 4.8 | 7.8 |
| 1971 | 3.7 | 7.7 | 1.1 | 6.4 | 6.1 | 8.0 | 6.4 | 5.9 | | 8.7 | 4.8 | 2.7 | 8.5 | 4.6 | 3.7 | 5.3 | 5.9 |
| 1972 | 4.0 | 6.7 | 1.4 | 5.2 | 6.1 | 7.6 | 5.0 | 4.5 | | 7.3 | 6.0 | 3.3 | 6.8 | 6.5 | 3.6 | 5.3 | 7.9 |
| 1973 | 4.4 | 6.8 | 0.9 | 4.9 | 5.6 | 5.5 | 6.0 | 5.1 | | 7.3 | 7.0 | 3.4 | 7.7 | 4.8 | 3.9 | 5.6 | 6.5 |
| 1974 | 4.6 | 7.9 | 1.6 | 8.4 | 5.6 | 7.7 | 7.0 | 6.3 | | 8.4 | 8.4 | 3.1 | 8.3 | 6.2 | 5.3 | 8.0 | 8.5 |
| 1975 | 4.8 | 7.9 | 0.9 | 8.8 | 5.8 | 9.7 | 9.5 | 7.1 | | 8.1 | 9.1 | 3.9 | 8.6 | 6.1 | 4.2 | 7.1 | 11.3 |
| 1976 | 5.0 | 8.5 | 1.3 | 9.5 | 5.5 | 8.5 | 8.1 | 6.6 | | 8.9 | 10.8 | 3.8 | 8.5 | 5.3 | 5.5 | 8.5 | 11.7 |
| 1977 | 5.0 | 7.1 | 1.1 | 7.5 | 6.1 | 6.5 | 6.5 | 4.9 | | 7.3 | 8.0 | 3.5 | 7.0 | 4.9 | 5.3 | 10.1 | 10.8 |
| 1978 | 5.1 | 7.0 | 2.0 | 9.0 | 5.1 | 5.6 | 6.0 | 5.8 | | 7.3 | 8.8 | 3.2 | 7.1 | 5.8 | 3.8 | 7.9 | 9.6 |
| 1979 | 5.3 | 7.6 | 2.1 | 8.6 | 5.3 | 6.8 | 7.5 | 4.3 | | 8.1 | 9.0 | 3.7 | 7.4 | 7.0 | 5.8 | 7.6 | 10.0 |
| 1980 | 5.2 | 7.3 | 1.6 | 7.7 | 5.8 | 7.0 | 6.9 | 4.6 | | 7.4 | 8.2 | 3.1 | 7.8 | 8.2 | 5.2 | 8.0 | 9.1 |
| 1981 | 5.3 | 7.4 | 1.6 | 7.1 | 6.1 | 7.5 | 8.3 | 4.4 | | 7.6 | 8.7 | 3.4 | 7.9 | 7.4 | 3.6 | 7.9 | 9.1 |
| 1982 | 5.0 | 7.0 | 1.6 | 7.0 | 5.0 | 6.7 | 7.6 | 4.7 | | 7.3 | 8.7 | 3.5 | 6.9 | 7.0 | 6.0 | 8.4 | 9.4 |
| 1983 | 5.0 | 6.8 | 1.5 | 7.0 | 4.6 | 6.5 | 6.0 | 4.3 | 7.2 | 6.9 | 8.9 | 3.4 | 6.6 | 7.0 | 5.2 | 8.8 | 10.9 |
| 1984 | 4.9 | 6.5 | 1.9 | 7.7 | 5.2 | 7.6 | 6.3 | 2.8 | 5.7 | 6.7 | 7.4 | 3.9 | 6.2 | 7.1 | 4.3 | 7.8 | 7.9 |
| 1985 | 5.0 | 6.6 | 1.9 | 6.9 | 6.7 | 6.3 | 8.7 | 4.0 | 5.3 | 7.0 | 7.8 | 3.6 | 6.3 | 6.2 | 3.1 | 5.9 | 7.3 |
| 1986 | 5.0 | 6.9 | 2.2 | 8.2 | 5.1 | 5.9 | 5.4 | 2.0 | 5.2 | 7.5 | 7.2 | 4.9 | 6.2 | 6.2 | 3.3 | 5.9 | 6.9 |
| 1987 | 4.8 | 6.8 | 1.4 | 7.1 | 5.7 | 5.8 | 6.8 | 4.0 | 4.5 | 7.6 | 6.5 | 3.1 | 6.2 | 5.8 | 3.7 | 6.5 | 6.3 |
| 1988 | 4.8 | 6.9 | 1.1 | 6.7 | 5.0 | 6.4 | 5.7 | 4.0 | 6.5 | 7.9 | 6.6 | 3.5 | 5.7 | 6.1 | 4.3 | 6.2 | 6.7 |
| 1989 | 4.7 | 6.2 | 1.2 | 7.2 | 6.5 | 5.4 | 5.5 | 3.5 | 3.3 | 6.6 | 7.4 | 2.6 | 5.4 | 6.0 | 4.1 | 7.1 | 7.8 |
| 1990 | 4.7 | 6.8 | 1.4 | 8.7 | 6.0 | 5.6 | 6.9 | 5.1 | 4.5 | 7.7 | 6.9 | 2.8 | 6.1 | 5.7 | 4.0 | 6.5 | 3.5 |
| 1991 | 4.7 | 6.6 | 1.3 | 7.3 | 4.7 | 5.7 | 5.8 | 5.3 | 4.5 | 7.2 | 8.0 | 3.5 | 6.1 | 5.7 | 3.9 | 6.8 | 5.7 |
| 1992 | 4.8 | 6.8 | 1.6 | 8.1 | 3.4 | 5.7 | 6.5 | 7.4 | 4.6 | 7.4 | 6.9 | 4.0 | 6.0 | 5.9 | 4.6 | 6.1 | 9.0 |
| 1993 | 4.7 | 6.1 | 1.1 | 8.2 | 4.3 | 7.8 | 6.2 | 7.3 | 3.4 | 6.3 | 8.2 | 3.6 | 5.7 | 5.9 | 4.7 | 8.2 | 6.2 |
| 1994 | 4.6 | 6.2 | 1.5 | 7.9 | 3.1 | 5.7 | 6.3 | 4.8 | 4.1 | 6.6 | 7.0 | 3.4 | 5.8 | 5.6 | 4.1 | 8.1 | 6.1 |
| 1995 | 4.5 | 6.5 | 1.2 | 8.4 | 2.3 | 5.6 | 4.6 | 7.3 | 2.5 | 7.4 | 5.8 | 3.5 | 5.5 | 5.7 | 3.8 | 7.5 | 7.1 |
| 1996 | 4.4 | 5.9 | 1.9 | 5.3 | 3.3 | 6.4 | 5.7 | 5.4 | 4.2 | 6.3 | 7.5 | 4.6 | 5.4 | 5.3 | 3.3 | 7.6 | 5.8 |
| 1997 | 4.3 | 5.7 | 2.0 | 6.5 | 3.1 | 5.8 | 5.1 | 4.2 | 3.3 | 6.0 | 6.8 | 4.2 | 5.2 | 5.3 | 3.9 | 7.8 | 5.6 |
| 1998 | 4.2 | 4.9 | 1.5 | 6.1 | 4.1 | 4.9 | 4.1 | 7.5 | 3.5 | 4.8 | 6.4 | 2.4 | 4.9 | 5.4 | 2.8 | 7.4 | 5.3 |
| 1999 | 4.2 | 4.5 | 1.1 | 5.8 | 4.0 | 5.5 | 4.5 | 5.9 | 3.2 | 4.5 | 5.3 | 2.8 | 4.7 | 4.2 | 3.2 | 3.1 | 5.1 |
| 2000 | 4.1 | 4.6 | 1.5 | 5.8 | 2.6 | 4.9 | 4.8 | 6.8 | 4.1 | 4.5 | 5.5 | 3.4 | 4.7 | 4.9 | 2.9 | 3.6 | 7.9 |
| 2001 | 4.2 | 4.5 | 1.8 | 5.2 | 2.8 | 4.2 | 4.1 | 6.4 | 3.2 | 4.8 | 5.4 | 3.7 | 4.7 | 3.8 | 3.0 | 3.5 | 3.1 |
| 2002 | 4.0 | 4.8 | 1.3 | 4.7 | 3.3 | 4.2 | 4.2 | 7.9 | 3.4 | 5.3 | 5.4 | 3.0 | 4.3 | 3.7 | 3.1 | 3.3 | 3.2 |
| 2003 | 4.0 | 4.3 | 1.2 | 4.6 | 2.7 | 3.7 | 4.0 | 5.4 | 3.0 | 4.5 | 5.0 | 2.4 | 4.4 | 3.5 | 3.4 | 4.2 | 4.2 |
| 2004 | 4.3 | 4.2 | 0.9 | 4.8 | 3.2 | 3.7 | 3.9 | 5.5 | 2.4 | 4.5 | 4.1 | 2.7 | 4.1 | 2.7 | 3.3 | 4.6 | 2.5 |
| 2005 | 4.2 | 4.1 | 1.1 | 4.8 | 2.8 | 3.9 | 5.9 | 4.8 | 3.7 | 4.3 | 4.7 | 3.1 | 4.1 | 2.6 | 3.0 | 4.9 | 3.1 |
| 2006 | 3.7 | 3.9 | 1.2 | 4.0 | 2.4 | 3.7 | 4.2 | 6.2 | 2.8 | 4.2 | 4.2 | 2.7 | 3.7 | 2.4 | 3.5 | 3.8 | 3.5 |
| 2007 | 3.6 | 3.8 | 0.9 | 3.6 | 2.0 | 3.3 | 4.2 | 6.1 | 3.9 | 4.1 | 4.2 | 2.7 | 3.8 | 2.8 | 2.9 | 3.4 | 3.2 |
| 2008 | 3.5 | 3.7 | 0.8 | 3.8 | 1.8 | 3.4 | 4.1 | 5.8 | 2.1 | 3.9 | 4.0 | 2.7 | 3.9 | 2.8 | 2.9 | 3.7 | 3.3 |
| 2009 | 3.4 | 3.6 | 0.6 | 4.0 | 1.9 | 3.2 | 4.2 | 6.2 | 0.4 | 3.6 | 3.5 | 2.6 | 3.9 | 3.2 | 2.5 | 4.0 | 3.5 |
| 2010 | 3.6 | 3.5 | 1.0 | 4.9 | 3.9 | 3.9 | 5.1 | 5.3 | 2.1 | 3.5 | 2.6 | 1.5 | 4.1 | 2.9 | 2.8 | 4.3 | 3.7 |

Notes: ^a Number of dissolutions of marriage (divorces and annulments) per 1,000 resident population; ^b Included in Yuma County prior to 1983; The dissolution of marriage rates by county of occurrence for 2011-2021 are in Table 5G-5.



Part III:

THE COMMUNITIES

CHAPTER 9

PRIMARY CARE AREAS

- 9A. SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY PRIMARY CARE AREA, ARIZONA, 2021**
- 9B. NUMBER OF DEATHS BY AGE GROUP AND PRIMARY CARE AREA, ARIZONA, 2021**
- 9C. NUMBER OF DEATHS FROM SELECTED CAUSES BY PRIMARY CARE AREA, ARIZONA, 2021**

9A

SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY PRIMARY CARE AREA, ARIZONA, 2021

**TABLE 9A
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY PRIMARY CARE AREA,
ARIZONA, 2021**

| | Total births | Mother 19 years old or younger | Prenatal care in the 1st trimester | No prenatal care | Public payer for birth ^a | LBW newborns (<2,500 grams at birth) | Unwed mother |
|------------------------------------------|--------------|--------------------------------|------------------------------------|------------------|-------------------------------------|--------------------------------------|--------------|
| TOTAL STATE | 77,857 | 3,580† | 55,860† | 1,940† | 36,920† | 6,140† | 35,170† |
| AHWATUKEE FOOTHILLS VILLAGE | 703 | * | 539 | * | 169 | 53 | 238 |
| AJO | 41 | * | 21 | * | 28 | * | 24 |
| ALHAMBRA VILLAGE | 2,039 | 143 | 1,287 | 56 | 1,426 | 186 | 1,179 |
| ANTHEM | 155 | * | 127 | * | 29 | 9 | 32 |
| APACHE JUNCTION | 422 | 30 | 293 | 12 | 218 | 52 | 234 |
| AVONDALE | 1,387 | 71 | 1,029 | 22 | 770 | 98 | 740 |
| BENSON | 131 | 8 | 84 | 6 | 62 | 19 | 46 |
| BISBEE | 154 | 11 | 79 | 18 | 96 | 15 | 78 |
| BLACK CANYON CITY | 94 | * | 70 | * | 56 | 15 | 43 |
| BUCKEYE | 1,588 | 63 | 1,203 | 33 | 677 | 114 | 646 |
| BULLHEAD CITY | 519 | 35 | 303 | 6 | 356 | 29 | 320 |
| CAMELBACK EAST VILLAGE | 1,717 | 52 | 1,263 | 22 | 688 | 135 | 677 |
| CASA GRANDE | 837 | 57 | 605 | 21 | 500 | 65 | 495 |
| CASAS ADOBES | 639 | 12 | 480 | 22 | 196 | 55 | 209 |
| CATALINA FOOTHILLS | 335 | * | 248 | 6 | 82 | 24 | 80 |
| CENTRAL CITY VILLAGE | 838 | 55 | 514 | 25 | 585 | 87 | 582 |
| CHANDLER CENTRAL | 1,442 | 39 | 1,106 | 12 | 455 | 124 | 541 |
| CHANDLER NORTH | 899 | 12 | 728 | 7 | 221 | 55 | 298 |
| CHANDLER SOUTH | 436 | 6 | 347 | * | 54 | 36 | 92 |
| CHINO VALLEY | 261 | 6 | 205 | * | 125 | 19 | 108 |
| COLORADO CITY | 143 | 10 | 94 | * | 53 | 8 | 72 |
| COLORADO RIVER INDIAN TRIBE | 46 | * | 12 | * | 38 | * | 34 |
| COOLIDGE | 289 | 31 | 202 | 7 | 185 | 24 | 176 |
| COTTONWOOD / SEDONA | 468 | 34 | 301 | 6 | 265 | 26 | 243 |
| DEER VALLEY VILLAGE | 2,090 | 51 | 1,668 | 28 | 851 | 169 | 798 |
| DESERT VIEW VILLAGE | 616 | * | 551 | * | 49 | 49 | 84 |
| DOUGLAS / PIRTLEVILLE | 271 | 20 | 125 | 26 | 191 | 24 | 167 |
| DREXEL HEIGHTS | 302 | 18 | 213 | 10 | 194 | 23 | 192 |
| EL MIRAGE / YOUNGTOWN | 586 | 24 | 452 | 18 | 327 | 40 | 311 |
| ELOY | 396 | 27 | 296 | 12 | 253 | 33 | 231 |
| ENCANTO VILLAGE | 714 | 27 | 483 | 6 | 352 | 52 | 372 |
| ESTRELLA VILLAGE & TOLLESON | 1,785 | 135 | 1,229 | 32 | 1,153 | 148 | 1,072 |
| FLAGSTAFF | 784 | 35 | 560 | 13 | 291 | 63 | 291 |
| FLORENCE | 371 | 12 | 275 | * | 167 | 27 | 166 |
| FLOWING WELLS | 167 | 14 | 111 | 11 | 116 | 12 | 107 |
| FORT MCDOWELL YAVAPAI NATION RESERVATION | 10 | * | * | * | 6 | * | 9 |
| FORTUNA FOOTHILLS | 271 | 14 | 179 | 8 | 118 | 13 | 94 |
| FOUNTAIN HILLS / RIO VERDE | 123 | 0 | 95 | * | 31 | 12 | 40 |
| GILA RIVER INDIAN COMMUNITY | 218 | 25 | 131 | 18 | 190 | 18 | 194 |
| GILBERT CENTRAL | 1,285 | 12 | 1,003 | * | 188 | 74 | 256 |
| GILBERT NORTH | 835 | 14 | 664 | * | 166 | 41 | 200 |
| GILBERT SOUTH | 799 | 8 | 628 | * | 103 | 44 | 143 |
| GLENDALE CENTRAL | 1,542 | 98 | 1,033 | 38 | 1,141 | 144 | 958 |
| GLENDALE NORTH | 1,328 | 45 | 1,039 | 21 | 609 | 89 | 583 |
| GLENDALE WEST | 734 | 21 | 578 | 6 | 249 | 62 | 269 |
| GLOBE | 170 | 16 | 121 | * | 113 | 19 | 107 |
| GOLD CANYON | 51 | * | 40 | * | 18 | * | 21 |
| GOLDEN VALLEY | 57 | * | 45 | 0 | 36 | 7 | 32 |
| GOODYEAR / LITCHFIELD PARK | 1,124 | 29 | 864 | 11 | 410 | 77 | 409 |
| GRAND CANYON VILLAGE | 113 | 8 | 66 | * | 68 | 10 | 50 |
| GREEN VALLEY | 47 | * | 27 | 6 | 28 | * | 24 |
| HOPi TRIBE | 83 | 13 | 48 | 6 | 68 | 8 | 72 |
| HUALAPAI TRIBE | 25 | * | 14 | * | 24 | * | 17 |
| KINGMAN | 618 | 38 | 477 | 13 | 396 | 47 | 332 |
| LAKE HAVASU CITY | 430 | 17 | 309 | * | 280 | 28 | 219 |
| LAVEEN VILLAGE | 946 | 42 | 683 | 14 | 497 | 83 | 481 |
| MARANA | 739 | 14 | 585 | 14 | 187 | 42 | 189 |
| MARICOPA | 768 | 42 | 577 | 6 | 311 | 55 | 345 |
| MARYVALE VILLAGE | 3,662 | 310 | 2,465 | 86 | 2,652 | 311 | 2,359 |
| MESA CENTRAL | 1,399 | 77 | 959 | 43 | 733 | 121 | 658 |
| MESA EAST | 784 | 21 | 567 | 11 | 268 | 47 | 273 |
| MESA GATEWAY | 1,580 | 46 | 1,194 | 26 | 396 | 129 | 459 |
| MESA NORTH | 1,083 | 24 | 830 | 12 | 354 | 72 | 360 |
| MESA WEST | 1,830 | 99 | 1,231 | 57 | 956 | 135 | 976 |
| MORENCI | 118 | 6 | 81 | * | 37 | 17 | 49 |

TABLE 9A (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY PRIMARY CARE AREA,
ARIZONA, 2021

| | Total births | Mother 19 years old or younger | Prenatal care in the 1st trimester | No prenatal care | Public payer for birth ^a | LBW newborns (<2,500 grams at birth) | Unwed mother |
|-------------------------------------------|--------------|--------------------------------|------------------------------------|------------------|-------------------------------------|--------------------------------------|--------------|
| NAVAJO NATION | 969 | 81 | 579 | 39 | 868 | 80 | 785 |
| NEW RIVER / CAVE CREEK | 103 | * | 82 | 0 | 23 | 9 | 27 |
| NOGALES | 257 | 24 | 120 | 27 | 183 | 16 | 164 |
| NORTH GATEWAY / RIO VISTA VILLAGE | 344 | * | 295 | 0 | 62 | 20 | 83 |
| NORTH MOUNTAIN VILLAGE | 2,132 | 101 | 1,539 | 46 | 1,240 | 191 | 1,174 |
| ORO VALLEY | 259 | * | 206 | * | 53 | 16 | 48 |
| PAGE | 154 | 13 | 103 | * | 85 | 13 | 85 |
| PARADISE VALLEY | 80 | 0 | 63 | 0 | * | * | 12 |
| PARADISE VALLEY VILLAGE | 1,847 | 57 | 1,492 | 23 | 570 | 136 | 543 |
| PARKER | 57 | * | 35 | * | 50 | * | 32 |
| PASCUA YAQUI TRIBE | 50 | 8 | 28 | * | 44 | 7 | 42 |
| PAYSON | 156 | 14 | 103 | * | 86 | 14 | 82 |
| PEORIA NORTH | 1,059 | 8 | 904 | 6 | 192 | 71 | 205 |
| PEORIA SOUTH | 967 | 43 | 751 | 12 | 467 | 74 | 455 |
| PICTURE ROCKS | 77 | * | 58 | * | 40 | * | 29 |
| PRESCOTT | 269 | 14 | 207 | * | 119 | 23 | 113 |
| PRESCOTT VALLEY | 573 | 22 | 460 | 8 | 271 | 40 | 229 |
| QUARTZSITE | 62 | 8 | 33 | * | 52 | * | 38 |
| QUEEN CREEK | 688 | 9 | 532 | * | 100 | 37 | 127 |
| RIO RICO | 250 | 18 | 154 | 18 | 141 | 19 | 127 |
| SADDLEBROOKE | 88 | * | 69 | * | 55 | 8 | 53 |
| SAFFORD | 204 | 16 | 152 | * | 102 | 12 | 106 |
| SAHUARITA | 359 | 8 | 266 | 17 | 93 | 28 | 101 |
| SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY | 89 | 11 | 48 | 11 | 66 | 8 | 74 |
| SAN CARLOS APACHE TRIBE | 187 | 25 | 81 | 15 | 170 | 10 | 151 |
| SAN LUIS | 649 | 46 | 273 | 77 | 465 | 40 | 310 |
| SAN TAN VALLEY | 1,467 | 35 | 1,104 | 7 | 422 | 72 | 443 |
| SAN XAVIER | 21 | * | 6 | 6 | 18 | 0 | 16 |
| SCOTTSDALE CENTRAL | 654 | * | 570 | * | 61 | 48 | 112 |
| SCOTTSDALE NORTH | 331 | * | 269 | * | 46 | 24 | 56 |
| SCOTTSDALE SOUTH | 585 | 8 | 456 | 10 | 172 | 39 | 185 |
| SHOW LOW | 290 | 20 | 230 | 6 | 167 | 32 | 125 |
| SIERRA VISTA | 577 | 27 | 374 | 23 | 212 | 53 | 191 |
| SNOWFLAKE / HEBER | 214 | 12 | 166 | * | 113 | 18 | 63 |
| SOMERTON | 279 | 22 | 148 | 24 | 203 | 25 | 143 |
| SOUTH MOUNTAIN VILLAGE / GUADALUPE | 1,880 | 133 | 1,249 | 49 | 1,213 | 187 | 1,145 |
| SPRINGERVILLE / EAGER | 194 | 9 | 130 | * | 109 | 17 | 77 |
| SUN CITY | 105 | * | 89 | * | 47 | 11 | 41 |
| SUN CITY WEST | 5 | 0 | * | 0 | * | 0 | * |
| SUN LAKES | 3 | 0 | * | 0 | 0 | 0 | * |
| SURPRISE NORTH / WICKENBURG | 435 | 11 | 335 | 14 | 159 | 25 | 145 |
| SURPRISE SOUTH | 1,204 | 34 | 918 | 29 | 442 | 86 | 439 |
| TANQUE VERDE | 83 | * | 70 | * | 24 | * | 28 |
| TEMPE NORTH | 1,048 | 43 | 744 | 33 | 462 | 93 | 518 |
| TEMPE SOUTH | 581 | 9 | 454 | 7 | 170 | 64 | 204 |
| THATCHER | 249 | 14 | 182 | * | 95 | 27 | 83 |
| TOHONO O'ODHAM NATION | 82 | 7 | 25 | 21 | 63 | 6 | 76 |
| TUCSON CENTRAL | 1,092 | 65 | 683 | 70 | 652 | 98 | 627 |
| TUCSON EAST | 1,094 | 45 | 747 | 49 | 539 | 98 | 500 |
| TUCSON ESTATES | 92 | 8 | 58 | * | 59 | 10 | 55 |
| TUCSON FOOTHILLS | 956 | 46 | 637 | 40 | 537 | 103 | 499 |
| TUCSON SOUTH | 2,157 | 163 | 1,379 | 137 | 1,510 | 186 | 1,352 |
| TUCSON SOUTH EAST | 553 | 10 | 418 | 16 | 115 | 51 | 120 |
| TUCSON WEST | 324 | 19 | 228 | 14 | 150 | 34 | 149 |
| VAIL | 226 | 8 | 169 | * | 58 | 13 | 52 |
| VALENCIA WEST | 287 | 9 | 207 | 10 | 143 | 26 | 134 |
| WHITE MOUNTAIN APACHE TRIBE | 190 | 20 | 105 | 6 | 182 | 18 | 145 |
| WILLCOX / BOWIE | 106 | 12 | 59 | * | 59 | 8 | 51 |
| WILLIAMSON | 76 | * | 63 | 0 | 30 | 7 | 32 |
| WINSLOW | 252 | 15 | 188 | 8 | 177 | 25 | 155 |
| YUMA | 1,699 | 101 | 1,069 | 86 | 929 | 119 | 788 |
| UNKNOWN | 100 | * | 50 | * | 70 | 12 | 65 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Includes both Arizona Health Care Cost Containment System (AHCCCS) the State's Medicaid program and Indian Health Services (IHS).

9B

NUMBER OF DEATHS BY AGE GROUP AND PRIMARY CARE AREA, ARIZONA, 2021

**TABLE 9B
NUMBER OF DEATHS BY AGE GROUP AND PRIMARY CARE AREA, ARIZONA, 2021**

| | Total | Age group | | | | | | |
|------------------------------------------|--------|------------|---------------|-------------------|--------------------|--------------------------|-------------|---------|
| | | Infants <1 | Children 1-14 | Adolescents 15-19 | Young adults 20-44 | Middle-aged adults 45-64 | Elderly 65+ | Unknown |
| TOTAL STATE | 81,482 | 430† | 250† | 400† | 6,320† | 16,060 | 58,019 | 10† |
| AHWATUKEE FOOTHILLS VILLAGE | 630† | * | * | * | 44 | 110 | 469 | 0 |
| AJO | 70† | * | 0 | 0 | * | 9 | 55 | 0 |
| ALHAMBRA VILLAGE | 1,500† | 13 | * | 15 | 177 | 425 | 869 | 0 |
| ANTHEM | 195 | 0 | 0 | 0 | 6 | 26 | 163 | 0 |
| APACHE JUNCTION | 980† | * | * | * | 44 | 203 | 730 | 0 |
| AVONDALE | 760† | * | 6 | 10 | 105 | 194 | 445 | 0 |
| BENSON | 240† | 0 | * | 0 | 10 | 43 | 185 | 0 |
| BISBEE | 370† | * | 0 | * | 17 | 73 | 276 | 0 |
| BLACK CANYON CITY | 270† | 0 | * | * | 9 | 56 | 203 | 0 |
| BUCKEYE | 1,000† | 10 | * | 7 | 104 | 229 | 644 | * |
| BULLHEAD CITY | 1,630† | * | 0 | * | 64 | 319 | 1,238 | 0 |
| CAMELBACK EAST VILLAGE | 1,250† | * | * | 7 | 135 | 293 | 808 | 0 |
| CASA GRANDE | 840† | * | * | * | 66 | 189 | 576 | 0 |
| CASAS ADOBES | 990† | * | * | * | 38 | 128 | 816 | 0 |
| CATALINA FOOTHILLS | 730† | 0 | 0 | * | 17 | 62 | 644 | 0 |
| CENTRAL CITY VILLAGE | 650† | 12 | * | 7 | 93 | 241 | 296 | 0 |
| CHANDLER CENTRAL | 800† | 7 | * | * | 87 | 180 | 517 | 0 |
| CHANDLER NORTH | 720† | 9 | 0 | * | 56 | 145 | 511 | 0 |
| CHANDLER SOUTH | 560† | * | * | * | 19 | 81 | 452 | 0 |
| CHINO VALLEY | 420† | 0 | * | 0 | 21 | 90 | 305 | 0 |
| COLORADO CITY | 80† | * | 0 | * | * | 15 | 56 | 0 |
| COLORADO RIVER INDIAN TRIBE | 69 | 0 | 0 | 0 | 6 | 20 | 43 | 0 |
| COOLIDGE | 210† | * | * | * | 15 | 50 | 139 | 0 |
| COTTONWOOD / SEDONA | 1,180† | * | * | * | 39 | 185 | 947 | 0 |
| DEER VALLEY VILLAGE | 1,650† | 9 | * | 7 | 141 | 366 | 1,120 | 0 |
| DESERT VIEW VILLAGE | 390† | * | * | * | 24 | 66 | 288 | 0 |
| DOUGLAS / PIRTLEVILLE | 220† | * | 0 | 0 | 13 | 40 | 164 | 0 |
| DREXEL HEIGHTS | 260† | 0 | 0 | * | 24 | 70 | 162 | 0 |
| EL MIRAGE / YOUNGTOWN | 410† | * | * | * | 48 | 85 | 269 | 0 |
| ELOY | 440† | 6 | 0 | * | 22 | 89 | 321 | 0 |
| ENCANTO VILLAGE | 590† | 6 | * | * | 66 | 165 | 343 | 0 |
| ESTRELLA VILLAGE / TOLLESON | 670† | 9 | * | 9 | 111 | 203 | 328 | 0 |
| FLAGSTAFF | 550† | * | * | * | 71 | 116 | 360 | 0 |
| FLORENCE | 390† | * | * | * | 23 | 82 | 285 | 0 |
| FLOWING WELLS | 270† | * | 0 | * | 18 | 62 | 186 | 0 |
| FORT MCDOWELL YAVAPAI NATION RESERVATION | 30† | * | 0 | 0 | 12 | 8 | 9 | 0 |
| FORTUNA FOOTHILLS | 580† | * | 0 | * | 17 | 90 | 468 | 0 |
| FOUNTAIN HILLS / RIO VERDE | 440† | * | 0 | 0 | 7 | 43 | 383 | 0 |
| GILA RIVER INDIAN COMMUNITY | 240† | 0 | * | * | 63 | 86 | 84 | 0 |
| GILBERT CENTRAL | 590† | * | 0 | * | 50 | 119 | 412 | 0 |
| GILBERT NORTH | 620† | * | * | * | 39 | 112 | 465 | 0 |
| GILBERT SOUTH | 540† | * | * | * | 38 | 74 | 412 | 0 |
| GLENDALE CENTRAL | 970† | * | 7 | 6 | 147 | 312 | 490 | 0 |
| GLENDALE NORTH | 1,540† | 14 | 7 | * | 86 | 288 | 1,144 | 0 |
| GLENDALE WEST | 400† | * | * | * | 50 | 82 | 262 | 0 |
| GLOBE | 301 | 0 | 0 | 0 | 26 | 64 | 211 | 0 |
| GOLD CANYON | 255 | 0 | 0 | 0 | 19 | 34 | 202 | 0 |
| GOLDEN VALLEY | 320† | 0 | * | 0 | 8 | 70 | 242 | 0 |
| GOODYEAR / LITCHFIELD PARK | 950† | * | * | 0 | 61 | 169 | 717 | 0 |
| GRAND CANYON VILLAGE | 110† | * | 0 | 0 | 11 | 25 | 72 | 0 |
| GREEN VALLEY | 670 | 0 | 0 | 0 | 8 | 48 | 614 | 0 |
| HOPI TRIBE | 170† | 0 | * | * | 41 | 50 | 72 | 0 |
| HUALAPAI TRIBE | 40† | 0 | * | * | 10 | 14 | 10 | 0 |
| KINGMAN | 1,410† | * | * | * | 58 | 295 | 1,047 | 0 |
| LAKE HAVASU CITY | 1,140† | * | * | * | 30 | 143 | 964 | 0 |
| LAVEEN VILLAGE | 480† | 8 | * | 7 | 90 | 129 | 242 | 0 |
| MARANA | 660† | * | * | * | 37 | 102 | 509 | 0 |
| MARICOPA | 590† | * | * | * | 59 | 134 | 389 | 0 |
| MARYVALE VILLAGE | 1,674 | 26 | 14 | 27 | 292 | 471 | 844 | 0 |
| MESA CENTRAL | 780† | 10 | * | 8 | 95 | 196 | 470 | 0 |
| MESA EAST | 1,360† | * | * | * | 64 | 186 | 1,104 | 0 |
| MESA GATEWAY | 1,520† | 6 | * | * | 89 | 243 | 1,177 | 0 |
| MESA NORTH | 1,300† | * | * | * | 77 | 215 | 999 | 0 |
| MESA WEST | 1,290† | 13 | * | 10 | 138 | 324 | 798 | 0 |
| MORENCI | 96 | 0 | 0 | 0 | 7 | 26 | 63 | 0 |

TABLE 9B (continued)
NUMBER OF DEATHS BY AGE GROUP AND PRIMARY CARE AREA, ARIZONA, 2021

| | Total | Age group | | | | | | Unknown |
|-------------------------------------------|--------|------------|---------------|-------------------|--------------------|--------------------------|-------------|---------|
| | | Infants <1 | Children 1-14 | Adolescents 15-19 | Young adults 20-44 | Middle-aged adults 45-64 | Elderly 65+ | |
| NAVAJO NATION | 1,580† | * | 10 | 14 | 357 | 469 | 721 | 0 |
| NEW RIVER / CAVE CREEK | 310† | 0 | * | 0 | 11 | 52 | 248 | 0 |
| NOGALES | 190† | * | * | 0 | 13 | 27 | 148 | 0 |
| NORTH GATEWAY / RIO VISTA VILLAGE | 230† | * | * | 0 | 11 | 46 | 166 | 0 |
| NORTH MOUNTAIN VILLAGE | 1,937 | 15 | 13 | 14 | 178 | 508 | 1,209 | 0 |
| ORO VALLEY | 660† | 0 | * | * | 10 | 46 | 604 | 0 |
| PAGE | 110† | * | 0 | 0 | 18 | 25 | 65 | 0 |
| PARADISE VALLEY | 130† | 0 | * | 0 | * | 6 | 118 | 0 |
| PARADISE VALLEY VILLAGE | 1,780† | 11 | * | * | 92 | 300 | 1,377 | 0 |
| PARKER | 50† | * | 0 | 0 | 7 | 14 | 29 | 0 |
| PASCUA YAQUI TRIBE | 50† | * | 0 | * | 13 | 16 | 19 | 0 |
| PAYSON | 600† | * | 0 | * | 25 | 88 | 481 | 0 |
| PEORIA NORTH | 1,200† | * | * | 9 | 51 | 148 | 988 | 0 |
| PEORIA SOUTH | 1,110† | * | * | * | 72 | 217 | 814 | 0 |
| PICTURE ROCKS | 170† | * | * | 0 | 9 | 34 | 121 | 0 |
| PRESCOTT | 1,000† | * | * | * | 38 | 104 | 853 | 0 |
| PRESCOTT VALLEY | 1,080† | * | * | * | 51 | 154 | 865 | 0 |
| QUARTZSITE | 300† | * | * | * | 14 | 64 | 217 | 0 |
| QUEEN CREEK | 360† | * | * | * | 27 | 70 | 259 | 0 |
| RIO RICO | 230† | 0 | * | * | 10 | 39 | 180 | 0 |
| SADDLEBROOKE | 360† | 0 | * | 0 | 14 | 30 | 311 | 0 |
| SAFFORD | 190† | 0 | 0 | * | 10 | 36 | 145 | 0 |
| SAHUARITA | 330 | 0 | 0 | 0 | 11 | 52 | 267 | 0 |
| SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY | 150† | 0 | * | * | 30 | 47 | 66 | 0 |
| SAN CARLOS APACHE TRIBE | 200† | * | 0 | * | 49 | 60 | 84 | 0 |
| SAN LUIS | 250† | 7 | * | * | 16 | 71 | 146 | 0 |
| SAN TAN VALLEY | 800† | 7 | * | 12 | 71 | 161 | 540 | 0 |
| SAN XAVIER | 50† | * | 0 | 0 | 11 | 15 | 26 | 0 |
| SCOTTSDALE CENTRAL | 1,070† | * | 0 | * | 31 | 110 | 927 | 0 |
| SCOTTSDALE NORTH | 780† | * | 0 | * | 18 | 83 | 676 | 0 |
| SCOTTSDALE SOUTH | 780† | * | * | * | 51 | 149 | 576 | 0 |
| SHOW LOW | 590† | * | * | 0 | 28 | 103 | 451 | 0 |
| SIERRA VISTA | 810† | * | * | * | 37 | 137 | 625 | 0 |
| SNOWFLAKE / HEBER | 330† | 0 | * | 0 | 23 | 69 | 240 | 0 |
| SOMERTON | 100† | * | 0 | * | 8 | 28 | 64 | 0 |
| SOUTH MOUNTAIN VILLAGE / GUADALUPE | 1,315 | 12 | 7 | 15 | 176 | 404 | 701 | 0 |
| SPRINGVILLE / EAGER | 350† | * | 0 | * | 23 | 81 | 241 | 0 |
| SUN CITY | 1,610† | 0 | 0 | * | 18 | 116 | 1,475 | 0 |
| SUN CITY WEST | 910† | 0 | 0 | 0 | * | 33 | 869 | 0 |
| SUN LAKES | 430† | 0 | 0 | 0 | * | 25 | 401 | 0 |
| SURPRISE NORTH / WICKENBURG | 490† | * | * | * | 34 | 92 | 361 | 0 |
| SURPRISE SOUTH | 1,595 | 6 | 8 | 0 | 71 | 216 | 1,294 | 0 |
| TANQUE VERDE | 200† | 0 | 0 | * | 8 | 32 | 161 | 0 |
| TEMPE NORTH | 820† | 7 | * | * | 99 | 187 | 513 | 0 |
| TEMPE SOUTH | 450† | * | * | * | 34 | 69 | 334 | 0 |
| THATCHER | 250† | * | * | 0 | 18 | 48 | 176 | 0 |
| TOHONO O'ODHAM NATION | 160† | 0 | * | * | 35 | 51 | 70 | 0 |
| TUCSON CENTRAL | 1,300† | * | * | 8 | 124 | 330 | 825 | 0 |
| TUCSON EAST | 1,440† | 7 | * | 9 | 79 | 287 | 1,051 | 0 |
| TUCSON ESTATES | 240† | 0 | 0 | * | 10 | 48 | 182 | 0 |
| TUCSON FOOTHILLS | 1,480† | * | * | * | 99 | 287 | 1,089 | 0 |
| TUCSON SOUTH | 1,787 | 17 | 6 | 15 | 220 | 434 | 1,094 | * |
| TUCSON SOUTH EAST | 510† | * | * | * | 37 | 74 | 389 | 0 |
| TUCSON WEST | 420† | * | * | 0 | 20 | 76 | 316 | 0 |
| VAIL | 190† | * | * | 0 | 15 | 37 | 133 | 0 |
| VALENCIA WEST | 190† | * | 0 | * | 19 | 45 | 120 | 0 |
| WHITE MOUNTAIN APACHE TRIBE | 180† | * | * | * | 47 | 61 | 69 | 0 |
| WILLCOX / BOWIE | 180† | * | * | * | 9 | 35 | 137 | 0 |
| WILLIAMSON | 220† | 0 | * | 0 | * | 36 | 183 | 0 |
| WINSLOW | 260† | * | * | 0 | 34 | 62 | 161 | 0 |
| YUMA | 1,285 | 9 | 6 | 10 | 98 | 288 | 874 | 0 |
| UNKNOWN | 360† | * | 0 | * | 95 | 166 | 86 | 10 |

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

9C

NUMBER OF DEATHS FROM SELECTED CAUSES BY PRIMARY CARE AREA, ARIZONA, 2021

**TABLE 9C
NUMBER OF DEATHS FROM SELECTED CAUSES BY PRIMARY CARE AREA, ARIZONA, 2021**

| | All causes | Cardio-vascular diseases | COVID-19 | Lung cancer | Breast cancer | Motor vehicle accident | Homicide | Suicide | Injury by firearms | Drug-induced deaths | Alcohol-induced deaths |
|------------------------------------------|------------|--------------------------|----------|-------------|---------------|------------------------|----------|---------|--------------------|---------------------|------------------------|
| TOTAL | 81,482 | 19,580+ | 12,690+ | 2,600+ | 970+ | 1,360+ | 560+ | 1,470+ | 1,360+ | 2,860+ | 1,890+ |
| AHWATUKEE FOOTHILLS VILLAGE | 630+ | 148 | 87 | 17 | 8 | 7 | * | 19 | 13 | 12 | 19 |
| AJO | 70+ | 19 | 12 | * | * | 0 | 0 | * | * | * | * |
| ALHAMBRA VILLAGE | 1,503 | 332 | 224 | 40 | 14 | 45 | 26 | 17 | 27 | 100 | 49 |
| ANTHEM | 200+ | 41 | 22 | 6 | * | * | 0 | * | 0 | * | * |
| APACHE JUNCTION | 980+ | 277 | 144 | 42 | * | 15 | * | 13 | 10 | 26 | 20 |
| AVONDALE | 762 | 164 | 177 | 24 | 6 | 12 | 13 | 12 | 20 | 44 | 8 |
| BENSON | 240+ | 44 | 38 | 9 | * | * | * | 6 | 6 | * | * |
| BISBEE | 370+ | 85 | 57 | 21 | * | 8 | * | 10 | * | 11 | * |
| BLACK CANYON CITY | 270+ | 69 | 54 | 12 | 6 | * | 0 | 7 | * | 8 | * |
| BUCKEYE | 999 | 179 | 217 | 37 | 11 | 25 | 7 | 16 | 14 | 40 | 23 |
| BULLHEAD CITY | 1,626 | 428 | 273 | 75 | 24 | 17 | 9 | 24 | 22 | 24 | 56 |
| CAMELBACK EAST VILLAGE | 1,250 | 299 | 145 | 34 | 24 | 34 | 13 | 32 | 30 | 74 | 34 |
| CASA GRANDE | 840+ | 215 | 139 | 30 | 7 | 12 | * | 16 | 18 | 18 | 9 |
| CASAS ADOBES | 990+ | 264 | 110 | 30 | 13 | 8 | * | 8 | 11 | 23 | 16 |
| CATALINA FOOTHILLS | 730+ | 183 | 73 | 10 | 12 | 8 | * | 17 | 12 | 16 | * |
| CENTRAL CITY VILLAGE | 650+ | 114 | 115 | 9 | * | 21 | 16 | 14 | 21 | 72 | 26 |
| CHANDLER CENTRAL | 800+ | 190 | 139 | 25 | 20 | 15 | * | 16 | 12 | 36 | 22 |
| CHANDLER NORTH | 723 | 163 | 109 | 20 | 17 | 7 | 6 | 18 | 14 | 21 | 19 |
| CHANDLER SOUTH | 560+ | 146 | 70 | 17 | 8 | * | * | 9 | 7 | 11 | 11 |
| CHINO VALLEY | 420+ | 98 | 75 | 19 | 7 | 10 | 0 | 9 | * | 10 | 12 |
| COLORADO CITY | 80+ | 15 | 13 | 6 | * | * | 0 | * | * | 0 | * |
| COLORADO RIVER INDIAN TRIBE | 70+ | 18 | 12 | * | 0 | * | * | * | * | * | * |
| COOLIDGE | 210+ | 38 | 47 | * | * | * | * | * | 7 | 7 | * |
| COTTONWOOD / SEDONA | 1,180+ | 300 | 136 | 53 | 20 | 12 | * | 17 | 14 | 16 | 34 |
| DEER VALLEY VILLAGE | 1,645 | 389 | 223 | 58 | 17 | 34 | 10 | 33 | 33 | 76 | 31 |
| DESERT VIEW VILLAGE | 390+ | 95 | 34 | 13 | 8 | * | 0 | 13 | 9 | 13 | 9 |
| DOUGLAS / PIRTEVILLE | 220+ | 66 | 36 | 7 | 0 | * | 0 | * | * | 6 | * |
| DREXEL HEIGHTS | 260+ | 50 | 47 | * | * | 6 | * | * | 6 | 15 | 7 |
| EL MIRAGE / YOUNGTOWN | 410+ | 91 | 79 | 17 | * | * | * | 6 | 7 | 19 | * |
| ELOY | 440+ | 116 | 81 | 15 | * | * | * | 6 | 8 | 13 | 6 |
| ENCANTO VILLAGE | 586 | 123 | 87 | 9 | 7 | 13 | 7 | 8 | 7 | 40 | 16 |
| ESTRELLA VILLAGE / TOLLESON | 670+ | 143 | 151 | 11 | * | 18 | 9 | 12 | 16 | 45 | 15 |
| FLAGSTAFF | 550+ | 116 | 62 | 16 | 8 | 13 | * | 15 | 7 | 18 | 38 |
| FLORENCE | 390+ | 106 | 82 | 16 | * | 8 | 0 | * | * | 9 | * |
| FLOWING WELLS | 270+ | 65 | 53 | 11 | * | * | * | * | * | 11 | 6 |
| FORT MCDOWELL YAVAPAI NATION RESERVATION | 30+ | * | 7 | 0 | 0 | * | * | 0 | * | * | * |
| FORTUNA FOOTHILLS | 580+ | 182 | 71 | 31 | * | 12 | * | 7 | * | 12 | 6 |
| FOUNTAIN HILLS / RIO VERDE | 440+ | 95 | 56 | 17 | 9 | * | 0 | 6 | * | * | * |
| GILA RIVER INDIAN COMMUNITY | 240+ | 30 | 60 | * | * | 10 | 14 | * | 12 | 14 | 18 |
| GILBERT CENTRAL | 590+ | 130 | 88 | 16 | 10 | 11 | * | 8 | 8 | 22 | 11 |
| GILBERT NORTH | 624 | 133 | 103 | 14 | 11 | 8 | 0 | 13 | 7 | 13 | 10 |
| GILBERT SOUTH | 540+ | 117 | 93 | 12 | 11 | 9 | * | 10 | 8 | 8 | 8 |
| GLENDALE CENTRAL | 967 | 184 | 212 | 24 | 10 | 31 | 15 | 19 | 26 | 67 | 19 |
| GLENDALE NORTH | 1,544 | 426 | 216 | 52 | 23 | 19 | 10 | 15 | 17 | 39 | 22 |
| GLENDALE WEST | 400+ | 80 | 86 | 11 | * | 8 | * | 11 | 10 | 17 | * |
| GLOBE | 300+ | 80 | 42 | 8 | * | * | * | 11 | 8 | 12 | 10 |
| GOLD CANYON | 260+ | 66 | 36 | 16 | * | * | * | 6 | * | * | 11 |
| GOLDEN VALLEY | 320+ | 73 | 62 | 14 | * | 8 | * | 7 | * | * | * |
| GOODYEAR / LITCHFIELD PARK | 953 | 225 | 190 | 35 | 17 | 9 | 6 | 10 | 13 | 21 | 16 |
| GRAND CANYON VILLAGE | 110+ | 21 | 19 | * | * | * | * | * | * | * | * |
| GREEN VALLEY | 670+ | 207 | 68 | 29 | * | * | 0 | 7 | 6 | * | 8 |
| HOPI TRIBE | 170+ | 18 | 45 | * | 0 | 12 | * | 6 | * | * | 15 |
| HUALAPAI TRIBE | 40+ | * | 10 | 0 | 0 | * | 0 | * | 0 | * | * |
| KINGMAN | 1,410+ | 354 | 249 | 48 | 14 | 21 | * | 28 | 26 | 29 | 32 |
| LAKE HAVASU CITY | 1,140+ | 343 | 159 | 41 | 18 | 9 | * | 15 | 11 | 10 | 20 |
| LAVEEN VILLAGE | 481 | 90 | 112 | 7 | 6 | 16 | 11 | 10 | 18 | 34 | 10 |
| MARANA | 660+ | 168 | 108 | 21 | 9 | * | * | 10 | 6 | 16 | 9 |
| MARICOPA | 590 | 127 | 119 | 21 | 8 | 11 | 6 | 14 | 14 | 15 | 8 |
| MARYVALE VILLAGE | 1,674 | 296 | 387 | 32 | 12 | 63 | 45 | 30 | 60 | 109 | 26 |
| MESA CENTRAL | 780+ | 183 | 145 | 23 | * | 7 | 8 | 18 | 19 | 45 | 11 |
| MESA EAST | 1,360+ | 338 | 188 | 52 | 21 | 10 | * | 23 | 16 | 35 | 19 |
| MESA GATEWAY | 1,521 | 427 | 211 | 49 | 23 | 17 | 9 | 27 | 22 | 39 | 30 |
| MESA NORTH | 1,300+ | 366 | 155 | 51 | 16 | 14 | * | 17 | 17 | 40 | 32 |
| MESA WEST | 1,285 | 294 | 203 | 47 | 22 | 21 | 8 | 25 | 23 | 68 | 49 |
| MORENCI | 100+ | 17 | 25 | * | 0 | * | 0 | * | 0 | * | * |

TABLE 9C (continued)
NUMBER OF DEATHS FROM SELECTED CAUSES BY PRIMARY CARE AREA, ARIZONA, 2021

| | All causes | Cardio-vascular diseases | COVID-19 | Lung cancer | Breast cancer | Motor vehicle accident | Homicide | Suicide | Injury by firearms | Drug-induced deaths | Alcohol-induced deaths |
|-------------------------------------------|------------|--------------------------|----------|-------------|---------------|------------------------|----------|---------|--------------------|---------------------|------------------------|
| NAVAJO NATION | 1,580+ | 168 | 342 | * | 11 | 77 | 25 | 62 | 28 | 54 | 185 |
| NEW RIVER / CAVE CREEK | 310+ | 76 | 41 | 14 | 7 | * | 0 | * | * | 10 | * |
| NOGALES | 190+ | 50 | 36 | * | * | * | 0 | * | * | 10 | * |
| NORTH GATEWAY / RIO VISTA VILLAGE | 230+ | 48 | 38 | 11 | 6 | 0 | * | * | * | * | * |
| NORTH MOUNTAIN VILLAGE | 1,937 | 485 | 308 | 70 | 22 | 33 | 19 | 34 | 36 | 110 | 49 |
| ORO VALLEY | 660+ | 164 | 64 | 24 | 6 | * | * | 11 | 8 | * | * |
| PAGE | 110+ | 19 | 10 | 6 | 0 | * | 0 | * | * | 8 | 12 |
| PARADISE VALLEY | 130+ | 36 | 12 | 7 | * | 0 | 0 | * | 0 | * | 0 |
| PARADISE VALLEY VILLAGE | 1,783 | 485 | 192 | 62 | 21 | 19 | 6 | 34 | 27 | 49 | 37 |
| PARKER | 50+ | 13 | 9 | * | * | 0 | 0 | * | * | * | * |
| PASCUA YAQUI TRIBE | 50+ | * | 9 | 0 | 0 | * | * | * | * | * | * |
| PAYSON | 600+ | 192 | 88 | 22 | * | 9 | 0 | 12 | 13 | 11 | 13 |
| PEORIA NORTH | 1,200+ | 307 | 169 | 37 | 12 | 15 | * | 18 | 12 | 23 | 19 |
| PEORIA SOUTH | 1,109 | 282 | 168 | 47 | 8 | 13 | 6 | 15 | 13 | 33 | 15 |
| PICTURE ROCKS | 170+ | 29 | 31 | * | * | * | 0 | * | * | * | * |
| PRESCOTT | 1,000+ | 251 | 125 | 32 | 11 | 7 | * | 15 | 7 | 27 | 28 |
| PRESCOTT VALLEY | 1,080+ | 259 | 178 | 30 | 6 | 10 | * | 26 | 24 | 24 | 17 |
| QUARTZSITE | 300+ | 81 | 45 | 20 | 6 | 8 | * | * | 6 | 6 | 8 |
| QUEEN CREEK | 360+ | 81 | 67 | 11 | * | * | * | * | * | 10 | 6 |
| RIO RICO | 230+ | 47 | 43 | * | * | * | * | * | * | * | * |
| SADDLEBROOKE | 360+ | 100 | 56 | * | 0 | * | * | 6 | * | 8 | * |
| SAFFORD | 190+ | 48 | 34 | * | * | 7 | 0 | * | * | 7 | * |
| SAHUARITA | 330+ | 86 | 50 | 12 | * | * | * | * | * | 7 | 6 |
| SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY | 150+ | 12 | 32 | * | * | 8 | * | * | * | 12 | 12 |
| SAN CARLOS APACHE TRIBE | 200+ | 30 | 29 | 0 | 0 | 14 | * | * | * | * | 28 |
| SAN LUIS | 250+ | 52 | 75 | * | * | * | * | * | * | * | * |
| SAN TAN VALLEY | 800+ | 185 | 133 | 29 | 15 | 14 | * | 22 | 18 | 27 | 11 |
| SAN XAVIER | 50+ | 8 | 11 | * | 0 | * | 0 | 0 | 0 | * | 6 |
| SCOTTSDALE CENTRAL | 1,070+ | 315 | 103 | 31 | 22 | 8 | * | 13 | 9 | 19 | 15 |
| SCOTTSDALE NORTH | 780+ | 193 | 94 | 23 | 17 | 6 | * | 9 | 6 | 7 | 8 |
| SCOTTSDALE SOUTH | 780+ | 205 | 78 | 32 | 16 | 10 | * | 15 | 12 | 29 | 19 |
| SHOW LOW | 590+ | 122 | 107 | 14 | 6 | 13 | * | 12 | 11 | 13 | 17 |
| SIERRA VISTA | 810+ | 198 | 140 | 44 | * | 8 | * | 17 | 16 | 19 | 11 |
| SNOWFLAKE / HEBER | 330+ | 88 | 79 | 13 | * | * | 0 | 8 | * | * | 9 |
| SOMERTON | 100+ | 19 | 31 | * | 0 | * | * | * | * | * | * |
| SOUTH MOUNTAIN VILLAGE / GUADALUPE | 1,315 | 290 | 294 | 26 | 10 | 41 | 23 | 25 | 33 | 81 | 23 |
| SPRINGERVILLE / EAGER | 350+ | 72 | 93 | * | * | 9 | 0 | 7 | * | 6 | 11 |
| SUN CITY | 1,610+ | 502 | 180 | 60 | 19 | * | * | 19 | 22 | 17 | 10 |
| SUN CITY WEST | 910+ | 289 | 105 | 34 | 14 | * | 0 | 8 | * | 0 | 6 |
| SUN LAKES | 430+ | 120 | 54 | 15 | * | * | 0 | 6 | * | 0 | * |
| SURPRISE NORTH / WICKENBURG | 490+ | 124 | 73 | 21 | 6 | 6 | * | 10 | 8 | 16 | * |
| SURPRISE SOUTH | 1,600+ | 416 | 230 | 55 | 12 | 9 | * | 19 | 13 | 32 | 18 |
| TANQUE VERDE | 200+ | 54 | 26 | 13 | * | * | 0 | 6 | * | * | * |
| TEMPE NORTH | 815 | 205 | 103 | 27 | 7 | 15 | 11 | 15 | 17 | 45 | 27 |
| TEMPE SOUTH | 450+ | 105 | 41 | 17 | 12 | 12 | * | 7 | * | 13 | 7 |
| THATCHER | 250+ | 53 | 47 | 6 | * | * | * | * | * | 9 | * |
| TOHONO O'ODHAM NATION | 161 | 18 | 24 | 0 | 0 | 9 | 0 | 6 | 0 | 8 | 14 |
| TUCSON CENTRAL | 1,295 | 297 | 157 | 35 | 19 | 21 | 7 | 35 | 30 | 108 | 29 |
| TUCSON EAST | 1,436 | 368 | 192 | 52 | 9 | 15 | 12 | 23 | 30 | 53 | 20 |
| TUCSON ESTATES | 240+ | 65 | 33 | 10 | * | 6 | * | * | 6 | * | * |
| TUCSON FOOTHILLS | 1,483 | 361 | 142 | 50 | 17 | 18 | 9 | 26 | 19 | 53 | 36 |
| TUCSON SOUTH | 1,787 | 340 | 335 | 49 | 21 | 42 | 41 | 26 | 46 | 118 | 32 |
| TUCSON SOUTH EAST | 510+ | 139 | 76 | 16 | 6 | * | * | 10 | 11 | 11 | * |
| TUCSON WEST | 420+ | 99 | 62 | 8 | 9 | 6 | * | * | 7 | 12 | * |
| VAIL | 190+ | 41 | 25 | 10 | 0 | 6 | * | 10 | 10 | 6 | * |
| VALENCIA WEST | 190+ | 36 | 37 | * | * | * | 0 | * | * | 10 | 8 |
| WHITE MOUNTAIN APACHE TRIBE | 180+ | 25 | 20 | 0 | * | 6 | * | 8 | * | 7 | 37 |
| WILLCOX / BOWIE | 180+ | 51 | 36 | * | * | * | * | * | * | * | * |
| WILLIAMSON | 220+ | 52 | 33 | 7 | * | * | 0 | 7 | 6 | * | * |
| WINSLOW | 260+ | 65 | 48 | 7 | * | * | 0 | * | 0 | 12 | 21 |
| YUMA | 1,285 | 332 | 222 | 33 | 13 | 20 | 8 | 24 | 17 | 50 | 25 |
| UNKNOWN | 360+ | 60 | 30 | 7 | * | 26 | 8 | * | 8 | 82 | 17 |

Note: * Cell suppressed due to non-zero count less than 6.

CHAPTER 10

POPULATION DENOMINATORS, ARIZONA, 2021

- 10A. POPULATION OF INFANTS, CHILDREN (1-14 YEARS), ADOLESCENTS (15-19 YEARS), YOUNG ADULTS (20-44 YEARS), MIDDLE-AGED ADULTS (45-64 YEARS), AND ELDERLY (65+)**

- 10B. POPULATION BY TEN-YEAR AGE GROUPS (<1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, 85+)**

- 10C. POPULATION BY AGE GROUP, GENDER, AND RACE/ETHNICITY**

**TABLE 10A-1
POPULATION OF INFANTS, CHILDREN (1-14 YEARS), ADOLESCENTS (15-19 YEARS),
YOUNG ADULTS (20-44 YEARS), MIDDLE-AGED ADULTS (45-64 YEARS), AND
ELDERLY (65+) BY GENDER, AND COUNTY OF RESIDENCE, ARIZONA, 2021**

| | | <1 | 1-14 | 15-19 | 20-44 | 45-64 | 65+ | Total |
|-------------------|---------------|--------|-----------|---------|-----------|-----------|-----------|-----------|
| Arizona | Total | 79,903 | 1,256,232 | 473,400 | 2,405,004 | 1,723,031 | 1,347,800 | 7,285,370 |
| | Male | 40,813 | 640,737 | 242,010 | 1,235,396 | 838,520 | 619,891 | 3,617,367 |
| | Female | 39,090 | 615,495 | 231,390 | 1,169,608 | 884,511 | 727,909 | 3,668,003 |
| Apache | Total | 821 | 13,604 | 4,982 | 20,240 | 15,830 | 10,934 | 66,411 |
| | Male | 423 | 6,822 | 2,458 | 10,473 | 7,627 | 4,952 | 32,755 |
| | Female | 398 | 6,782 | 2,524 | 9,767 | 8,203 | 5,982 | 33,656 |
| Cochise | Total | 1,299 | 20,780 | 7,750 | 37,378 | 29,200 | 30,056 | 126,463 |
| | Male | 665 | 10,418 | 4,131 | 20,502 | 14,180 | 14,342 | 64,238 |
| | Female | 634 | 10,362 | 3,619 | 16,876 | 15,020 | 15,714 | 62,225 |
| Coconino | Total | 1,490 | 22,837 | 14,236 | 57,437 | 31,005 | 20,429 | 147,434 |
| | Male | 763 | 11,673 | 6,640 | 28,637 | 15,209 | 9,704 | 72,626 |
| | Female | 727 | 11,164 | 7,596 | 28,800 | 15,796 | 10,725 | 74,808 |
| Gila | Total | 474 | 8,197 | 2,628 | 12,504 | 13,596 | 16,126 | 53,525 |
| | Male | 242 | 4,233 | 1,356 | 6,357 | 6,557 | 7,870 | 26,615 |
| | Female | 232 | 3,964 | 1,272 | 6,147 | 7,039 | 8,256 | 26,910 |
| Graham | Total | 511 | 8,122 | 2,898 | 13,804 | 8,118 | 5,572 | 39,025 |
| | Male | 261 | 4,202 | 1,512 | 8,052 | 4,304 | 2,562 | 20,893 |
| | Female | 250 | 3,920 | 1,386 | 5,752 | 3,814 | 3,010 | 18,132 |
| Greenlee | Total | 127 | 2,069 | 600 | 3,394 | 2,079 | 1,324 | 9,593 |
| | Male | 65 | 1,034 | 320 | 1,817 | 1,112 | 635 | 4,983 |
| | Female | 62 | 1,035 | 280 | 1,577 | 967 | 689 | 4,610 |
| La Paz | Total | 148 | 2,044 | 706 | 3,481 | 3,427 | 7,014 | 16,820 |
| | Male | 78 | 1,035 | 387 | 1,790 | 1,646 | 3,667 | 8,603 |
| | Female | 70 | 1,009 | 319 | 1,691 | 1,781 | 3,347 | 8,217 |
| Maricopa | Total | 51,894 | 808,504 | 298,582 | 1,550,158 | 1,079,891 | 718,390 | 4,507,419 |
| | Male | 26,495 | 412,611 | 152,659 | 785,630 | 526,831 | 323,788 | 2,228,014 |
| | Female | 25,399 | 395,893 | 145,923 | 764,528 | 553,060 | 394,602 | 2,279,405 |
| Mohave | Total | 1,766 | 27,386 | 9,745 | 51,094 | 57,277 | 69,259 | 216,527 |
| | Male | 904 | 13,998 | 5,074 | 27,036 | 27,874 | 34,264 | 109,150 |
| | Female | 862 | 13,388 | 4,671 | 24,058 | 29,403 | 34,995 | 107,377 |
| Navajo | Total | 1,294 | 21,543 | 7,377 | 30,935 | 25,557 | 21,042 | 107,748 |
| | Male | 661 | 10,953 | 3,839 | 16,297 | 12,393 | 9,973 | 54,116 |
| | Female | 633 | 10,590 | 3,538 | 14,638 | 13,164 | 11,069 | 53,632 |
| Pima | Total | 10,590 | 166,764 | 68,475 | 350,451 | 241,298 | 220,740 | 1,058,318 |
| | Male | 5,404 | 85,242 | 34,560 | 179,199 | 115,729 | 100,167 | 520,301 |
| | Female | 5,186 | 81,522 | 33,915 | 171,252 | 125,569 | 120,573 | 538,017 |
| Pinal | Total | 4,241 | 75,321 | 26,088 | 138,401 | 100,267 | 94,810 | 439,128 |
| | Male | 2,165 | 38,051 | 13,680 | 77,108 | 50,559 | 45,303 | 226,866 |
| | Female | 2,076 | 37,270 | 12,408 | 61,293 | 49,708 | 49,507 | 212,262 |
| Santa Cruz | Total | 633 | 9,918 | 3,571 | 13,860 | 11,214 | 9,272 | 48,468 |
| | Male | 326 | 5,069 | 1,755 | 6,754 | 5,204 | 4,245 | 23,353 |
| | Female | 307 | 4,849 | 1,816 | 7,106 | 6,010 | 5,027 | 25,115 |
| Yavapai | Total | 1,792 | 29,083 | 11,368 | 53,452 | 64,222 | 81,256 | 241,173 |
| | Male | 916 | 14,935 | 6,102 | 27,540 | 29,891 | 38,471 | 117,855 |
| | Female | 876 | 14,148 | 5,266 | 25,912 | 34,331 | 42,785 | 123,318 |
| Yuma | Total | 2,823 | 40,060 | 14,394 | 68,415 | 40,050 | 41,576 | 207,318 |
| | Male | 1,445 | 20,461 | 7,537 | 38,204 | 19,404 | 19,948 | 106,999 |
| | Female | 1,378 | 19,599 | 6,857 | 30,211 | 20,646 | 21,628 | 100,319 |

Note: Population denominator tables can be found:

<http://pub.azdhs.gov/health-stats>

**TABLE 10A-2
POPULATION OF INFANTS, CHILDREN (1-14 YEARS), ADOLESCENTS (15-19 YEARS), YOUNG ADULTS (20-44 YEARS),
MIDDLE-AGED ADULTS (45-64 YEARS), AND ELDERLY (65+) BY GENDER IN URBAN AND RURAL AREAS^a,
ARIZONA, 2021**

| | <1 | 1-14 | 15-19 | 20-44 | 45-64 | 65+ | Total |
|----------------|---------------|--------|-----------|---------|-----------|-----------|-----------|
| Arizona | Total | 79,903 | 1,256,232 | 473,400 | 2,405,004 | 1,723,031 | 7,285,370 |
| | Male | 40,813 | 640,737 | 242,010 | 1,235,396 | 838,520 | 3,617,367 |
| | Female | 39,090 | 615,495 | 231,390 | 1,169,608 | 884,511 | 3,668,003 |
| Urban | Total | 69,548 | 1,090,649 | 407,539 | 2,107,425 | 1,461,506 | 6,212,183 |
| | Male | 35,509 | 556,365 | 208,436 | 1,080,141 | 712,523 | 3,082,180 |
| | Female | 34,039 | 534,284 | 199,103 | 1,027,284 | 748,983 | 3,130,003 |
| Rural | Total | 10,355 | 165,583 | 65,861 | 297,579 | 261,525 | 1,073,187 |
| | Male | 5,304 | 84,372 | 33,574 | 155,255 | 125,997 | 535,187 |
| | Female | 5,051 | 81,211 | 32,287 | 142,324 | 135,528 | 538,000 |

Notes: ^a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; Population denominator tables can be found: <http://pub.azdhs.gov/health-stats>

**TABLE 10B-1
POPULATION BY TEN-YEAR AGE GROUPS, GENDER, AND COUNTY OF RESIDENCE,
ARIZONA, 2021**

| | | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85+ | Total |
|-------------------|---------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| Arizona | Total | 79,903 | 336,912 | 919,320 | 969,553 | ##### | 896,852 | 844,036 | 878,995 | 772,220 | 426,299 | 149,281 | 7,285,370 |
| | Male | 40,813 | 172,082 | 468,655 | 497,717 | 524,997 | 454,692 | 418,036 | 420,484 | 359,216 | 198,017 | 62,658 | 3,617,367 |
| | Female | 39,090 | 164,830 | 450,665 | 471,836 | 487,002 | 442,160 | 426,000 | 458,511 | 413,004 | 228,282 | 86,623 | 3,668,003 |
| Apache | Total | 821 | 3,420 | 10,184 | 9,024 | 8,823 | 7,375 | 7,152 | 8,678 | 6,481 | 3,399 | 1,054 | 66,411 |
| | Male | 423 | 1,733 | 5,089 | 4,478 | 4,613 | 3,840 | 3,504 | 4,123 | 3,038 | 1,509 | 405 | 32,755 |
| | Female | 398 | 1,687 | 5,095 | 4,546 | 4,210 | 3,535 | 3,648 | 4,555 | 3,443 | 1,890 | 649 | 33,656 |
| Cochise | Total | 1,299 | 5,621 | 15,159 | 14,993 | 15,850 | 14,285 | 12,732 | 16,468 | 17,068 | 9,841 | 3,147 | 126,463 |
| | Male | 665 | 2,790 | 7,628 | 8,244 | 8,731 | 7,658 | 6,412 | 7,768 | 8,211 | 4,746 | 1,385 | 64,238 |
| | Female | 634 | 2,831 | 7,531 | 6,749 | 7,119 | 6,627 | 6,320 | 8,700 | 8,857 | 5,095 | 1,762 | 62,225 |
| Coconino | Total | 1,490 | 6,028 | 16,809 | 34,292 | 20,866 | 16,515 | 14,466 | 16,539 | 13,195 | 5,445 | 1,789 | 147,434 |
| | Male | 763 | 3,058 | 8,615 | 16,014 | 10,860 | 8,403 | 7,292 | 7,917 | 6,507 | 2,475 | 722 | 72,626 |
| | Female | 727 | 2,970 | 8,194 | 18,278 | 10,006 | 8,112 | 7,174 | 8,622 | 6,688 | 2,970 | 1,067 | 74,808 |
| Gila | Total | 474 | 2,123 | 6,074 | 4,960 | 5,367 | 4,805 | 5,192 | 8,404 | 9,310 | 5,197 | 1,619 | 53,525 |
| | Male | 242 | 1,079 | 3,154 | 2,558 | 2,696 | 2,459 | 2,567 | 3,990 | 4,600 | 2,565 | 705 | 26,615 |
| | Female | 232 | 1,044 | 2,920 | 2,402 | 2,671 | 2,346 | 2,625 | 4,414 | 4,710 | 2,632 | 914 | 26,910 |
| Graham | Total | 511 | 2,203 | 5,919 | 5,706 | 5,821 | 5,175 | 4,161 | 3,957 | 3,251 | 1,690 | 631 | 39,025 |
| | Male | 261 | 1,134 | 3,068 | 3,118 | 3,420 | 3,026 | 2,303 | 2,001 | 1,538 | 760 | 264 | 20,893 |
| | Female | 250 | 1,069 | 2,851 | 2,588 | 2,401 | 2,149 | 1,858 | 1,956 | 1,713 | 930 | 367 | 18,132 |
| Greenlee | Total | 127 | 597 | 1,472 | 1,217 | 1,428 | 1,349 | 1,053 | 1,026 | 763 | 367 | 194 | 9,593 |
| | Male | 65 | 288 | 746 | 657 | 744 | 736 | 551 | 561 | 413 | 169 | 53 | 4,983 |
| | Female | 62 | 309 | 726 | 560 | 684 | 613 | 502 | 465 | 350 | 198 | 141 | 4,610 |
| La Paz | Total | 148 | 559 | 1,485 | 1,350 | 1,442 | 1,395 | 1,370 | 2,057 | 3,079 | 2,969 | 966 | 16,820 |
| | Male | 78 | 267 | 768 | 749 | 708 | 720 | 666 | 980 | 1,518 | 1,597 | 552 | 8,603 |
| | Female | 70 | 292 | 717 | 601 | 734 | 675 | 704 | 1,077 | 1,561 | 1,372 | 414 | 8,217 |
| Maricopa | Total | 51,894 | 217,013 | 591,491 | 596,837 | 664,002 | 587,901 | 553,850 | 526,041 | 413,106 | 222,887 | 82,397 | 4,507,419 |
| | Male | 26,495 | 110,989 | 301,622 | 304,661 | 338,835 | 294,793 | 273,412 | 253,419 | 189,724 | 100,782 | 33,282 | 2,228,014 |
| | Female | 25,399 | 106,024 | 289,869 | 292,176 | 325,167 | 293,108 | 280,438 | 272,622 | 223,382 | 122,105 | 49,115 | 2,279,405 |
| Mohave | Total | 1,766 | 7,342 | 20,044 | 18,968 | 22,274 | 19,597 | 22,073 | 35,204 | 39,207 | 23,324 | 6,728 | 216,527 |
| | Male | 904 | 3,806 | 10,192 | 9,985 | 11,951 | 10,174 | 10,949 | 16,925 | 19,205 | 11,913 | 3,146 | 109,150 |
| | Female | 862 | 3,536 | 9,852 | 8,983 | 10,323 | 9,423 | 11,124 | 18,279 | 20,002 | 11,411 | 3,582 | 107,377 |
| Navajo | Total | 1,294 | 5,574 | 15,969 | 13,434 | 13,231 | 11,647 | 11,232 | 14,325 | 12,850 | 6,392 | 1,800 | 107,748 |
| | Male | 661 | 2,841 | 8,112 | 7,076 | 7,036 | 6,024 | 5,656 | 6,737 | 6,147 | 3,086 | 740 | 54,116 |
| | Female | 633 | 2,733 | 7,857 | 6,358 | 6,195 | 5,623 | 5,576 | 7,588 | 6,703 | 3,306 | 1,060 | 53,632 |
| Pima | Total | 10,590 | 45,069 | 121,695 | 158,914 | 138,582 | 121,430 | 112,458 | 128,840 | 124,582 | 69,748 | 26,410 | 1,058,318 |
| | Male | 5,404 | 23,045 | 62,197 | 80,284 | 72,576 | 60,899 | 55,037 | 60,692 | 57,607 | 31,629 | 10,931 | 520,301 |
| | Female | 5,186 | 22,024 | 59,498 | 78,630 | 66,006 | 60,531 | 57,421 | 68,148 | 66,975 | 38,119 | 15,479 | 538,017 |
| Pinal | Total | 4,241 | 19,424 | 55,897 | 50,538 | 57,673 | 56,278 | 48,782 | 51,485 | 55,594 | 31,008 | 8,208 | 439,128 |
| | Male | 2,165 | 9,730 | 28,321 | 27,469 | 32,700 | 30,619 | 25,802 | 24,757 | 25,932 | 15,479 | 3,892 | 226,866 |
| | Female | 2,076 | 9,694 | 27,576 | 23,069 | 24,973 | 25,659 | 22,980 | 26,728 | 29,662 | 15,529 | 4,316 | 212,262 |
| Santa Cruz | Total | 633 | 2,717 | 7,201 | 6,576 | 5,609 | 5,246 | 5,452 | 5,762 | 5,336 | 2,976 | 960 | 48,468 |
| | Male | 326 | 1,414 | 3,655 | 3,311 | 2,757 | 2,441 | 2,539 | 2,665 | 2,450 | 1,403 | 392 | 23,353 |
| | Female | 307 | 1,303 | 3,546 | 3,265 | 2,852 | 2,805 | 2,913 | 3,097 | 2,886 | 1,573 | 568 | 25,115 |
| Yavapai | Total | 1,792 | 7,592 | 21,491 | 21,837 | 21,924 | 21,059 | 24,021 | 40,201 | 48,286 | 25,191 | 7,779 | 241,173 |
| | Male | 916 | 4,006 | 10,929 | 11,691 | 11,248 | 10,703 | 11,557 | 18,334 | 22,770 | 12,276 | 3,425 | 117,855 |
| | Female | 876 | 3,586 | 10,562 | 10,146 | 10,676 | 10,356 | 12,464 | 21,867 | 25,516 | 12,915 | 4,354 | 123,318 |
| Yuma | Total | 2,823 | 11,630 | 28,430 | 30,907 | 29,107 | 22,795 | 20,042 | 20,008 | 20,112 | 15,865 | 5,599 | 207,318 |
| | Male | 1,445 | 5,902 | 14,559 | 17,422 | 16,122 | 12,197 | 9,789 | 9,615 | 9,556 | 7,628 | 2,764 | 106,999 |
| | Female | 1,378 | 5,728 | 13,871 | 13,485 | 12,985 | 10,598 | 10,253 | 10,393 | 10,556 | 8,237 | 2,835 | 100,319 |

Note: Population denominator tables can be found:

<http://pub.azdhs.gov/health-stats>

**TABLE 10B-2
POPULATION BY TEN-YEAR AGE GROUPS, AND GENDER IN URBAN AND RURAL AREAS^a, ARIZONA, 2021**

| | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85+ | Total |
|----------------|---------------|--------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|-----------|
| Arizona | Total | 79,903 | 336,912 | 919,320 | 969,553 | 1,011,999 | 896,852 | 844,036 | 772,220 | 426,299 | 149,281 | 7,285,370 |
| | Male | 40,813 | 172,082 | 468,655 | 497,717 | 524,997 | 454,692 | 418,036 | 359,216 | 198,017 | 62,658 | 3,617,367 |
| | Female | 39,090 | 164,830 | 450,665 | 471,836 | 487,002 | 442,160 | 426,000 | 413,004 | 228,282 | 86,623 | 3,668,003 |
| Urban | Total | 69,548 | 293,136 | 797,513 | 837,196 | 889,364 | 788,404 | 735,132 | 613,394 | 339,508 | 122,614 | 6,212,183 |
| | Male | 35,509 | 149,666 | 406,699 | 429,836 | 460,233 | 398,508 | 364,040 | 282,819 | 155,518 | 50,869 | 3,082,180 |
| | Female | 34,039 | 143,470 | 390,814 | 407,360 | 429,131 | 389,896 | 371,092 | 330,575 | 183,990 | 71,745 | 3,130,003 |
| Rural | Total | 10,355 | 43,776 | 121,807 | 132,357 | 122,635 | 108,448 | 108,904 | 158,826 | 86,791 | 26,667 | 1,073,187 |
| | Male | 5,304 | 22,416 | 61,956 | 67,881 | 64,764 | 56,184 | 53,996 | 76,397 | 42,499 | 11,789 | 535,187 |
| | Female | 5,051 | 21,360 | 59,851 | 64,476 | 57,871 | 52,264 | 54,908 | 82,429 | 44,292 | 14,878 | 538,000 |

Notes: ^a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; Population denominator tables can be found: <http://pub.azdhs.gov/health-stats>

**TABLE 10C-1
POPULATION BY TEN-YEAR AGE GROUPS, GENDER, AND RACE/ETHNICITY, ARIZONA, 2021**

| | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85+ | Total |
|-----------------------------------------|---------------|--------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|-----------|
| All groups | Total | 79,903 | 336,912 | 919,320 | 969,553 | 1,011,999 | 896,852 | 844,036 | 772,220 | 426,299 | 149,281 | 7,285,370 |
| | Male | 40,813 | 172,082 | 468,655 | 497,717 | 524,997 | 454,692 | 418,036 | 359,216 | 198,017 | 62,658 | 3,617,367 |
| | Female | 39,090 | 164,830 | 450,665 | 471,836 | 487,002 | 442,160 | 426,000 | 413,004 | 228,282 | 86,623 | 3,668,003 |
| White non-Hispanic | Total | 31,390 | 130,006 | 371,085 | 413,482 | 473,159 | 448,684 | 472,987 | 596,855 | 349,008 | 123,602 | 4,004,058 |
| | Male | 16,067 | 66,669 | 189,305 | 213,119 | 244,380 | 228,113 | 237,099 | 284,845 | 165,157 | 53,010 | 1,977,773 |
| | Female | 15,323 | 63,337 | 181,780 | 200,363 | 228,779 | 220,571 | 235,888 | 316,846 | 183,851 | 70,592 | 2,026,285 |
| Hispanic or Latino | Total | 36,560 | 156,968 | 407,602 | 411,565 | 375,096 | 311,865 | 257,142 | 188,721 | 111,578 | 49,319 | 2,323,013 |
| | Male | 18,652 | 80,156 | 208,118 | 209,776 | 195,519 | 158,611 | 126,038 | 90,694 | 51,507 | 21,290 | 1,166,665 |
| | Female | 17,908 | 76,812 | 199,484 | 201,789 | 179,577 | 153,254 | 131,104 | 98,027 | 60,071 | 28,029 | 1,156,348 |
| Black or African American | Total | 5,107 | 22,076 | 59,592 | 58,929 | 65,415 | 50,635 | 42,218 | 36,768 | 22,988 | 9,396 | 376,013 |
| | Male | 2,592 | 10,996 | 30,520 | 30,989 | 35,486 | 26,657 | 21,665 | 18,636 | 10,870 | 4,137 | 193,610 |
| | Female | 2,515 | 11,080 | 29,072 | 27,940 | 29,929 | 23,978 | 20,553 | 18,132 | 12,118 | 5,259 | 182,403 |
| American Indian or Alaska Native | Total | 3,564 | 14,896 | 46,863 | 45,828 | 48,922 | 36,932 | 31,618 | 30,461 | 19,428 | 8,894 | 290,218 |
| | Male | 1,812 | 7,567 | 23,664 | 23,135 | 24,728 | 17,856 | 14,893 | 13,662 | 8,528 | 3,494 | 140,361 |
| | Female | 1,752 | 7,329 | 23,199 | 22,693 | 24,194 | 19,076 | 16,725 | 16,799 | 10,900 | 5,400 | 149,857 |
| Asian or Pacific Islander | Total | 3,282 | 12,966 | 34,178 | 39,749 | 49,407 | 48,736 | 40,071 | 29,245 | 21,371 | 9,682 | 292,068 |
| | Male | 1,690 | 6,694 | 17,048 | 20,698 | 24,884 | 23,455 | 18,341 | 12,647 | 8,302 | 3,939 | 138,958 |
| | Female | 1,592 | 6,272 | 17,130 | 19,051 | 24,523 | 25,281 | 21,730 | 16,598 | 13,069 | 5,743 | 153,110 |

Note: Population denominator tables can be found: <http://pub.azdhs.gov/health-stats>

Technical Notes



Sources of Data

Definitions

↙ URBAN AND RURAL AREAS

↙ RACE/ETHNICITY

↙ RATES

↙ TERMS RELATED TO REPRODUCTIVE HEALTH

↙ MEDICAL TERMS USED ON THE BIRTH CERTIFICATE

√ OBSTETRIC PROCEDURES

√ MEDICAL RISK FACTORS FOR THIS PREGNANCY

√ COMPLICATIONS OF LABOR AND/OR DELIVERY

√ ABNORMAL CONDITIONS OF THE NEWBORN

√ CONGENITAL ANOMALIES OF CHILD

↙ DIAGNOSIS AND PROCEDURE CODES USED TO ANALYZE THE HOSPITAL DISCHARGE DATA

↙ TERMS RELATED TO MORTALITY

SOURCES OF DATA

Information on births, deaths, and fetal deaths is compiled from the original documents filed with the Arizona Department of Health Services' Bureau of Vital Records and from transcripts of original birth and death certificates filed in other states but affecting Arizona residents (copies of certificates for births, deaths, and fetal deaths occurring to Arizona residents outside the United States are not sent to Arizona).

Information on induced terminations of pregnancy (abortions) performed on Arizona women is compiled from reports sent to the Arizona Department of Health Services by facilities within but only rarely outside the state.

Pregnancies are the sum of live births, spontaneous terminations of pregnancy (fetal deaths or stillbirths), and abortions.

Arizona has no central registry for marriage and divorce records. Statistics are limited to counts of marriages and divorces reported monthly by the Clerk of the Superior Court in each county in which the marriage or divorce occurred. These reports contain no demographic data on the people marrying or divorcing.

Data on morbidity, levels of disease and disability in the population, are obtained for certain infectious diseases that must be reported by law. The ADHS Bureau of Infectious Disease and Services conduct surveillance and monitoring of these reportable diseases and provided data for the morbidity sections in this report.

All State-licensed nonfederal hospitals in Arizona are required to submit uniform patient reports to the Arizona Department of Health Services every six months. Beginning in 2010 the psychiatric hospitals also are subject to reporting requirements. The Section of Cost Reporting and Discharge Data Review in the Business Intelligence Office collect the information about both hospital inpatient discharges and emergency room visits.

Population denominators for Arizona residents, used to calculate rates for 1980, 1990, 2000 and 2010, are census enumerations from the U.S. Census Bureau. Regarding the 2020 data year, per compliance with [Arizona Executive Order 2011-04](#), population denominators from the Arizona Commerce Authority, Office of Economic Opportunity, were used in this report. This marks a change from previous decadal census enumerations. Population denominators for the intercensal years utilize the best available data sources. They are described in detail at <http://pub.azdhs.gov/health-stats>.

Our website at <http://pub.azdhs.gov/health-stats> provides additional reports and studies, as well as links to other sources of information on topics such as morbidity from certain diseases or population composition.

DEFINITIONS

Urban and Rural Areas

For the purpose of this report, the following are Arizona's **urban areas**: Phoenix-Scottsdale-Mesa Metropolitan Statistical Area (Maricopa and Pinal Counties), Tucson Metropolitan Statistical Area (Pima County), and Yuma Metropolitan Statistical Area (Yuma County). The remaining counties (Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Mohave, Navajo, Santa Cruz, and Yavapai) comprise Arizona's **rural areas**.

Race/Ethnicity

Racial/ethnic designations used in this report are White non-Hispanic, Hispanic or Latino, Black or African-American, American Indian or Alaska Native (including Aleut and Eskimo), and Asian or Pacific Islander (including Hawaiian). In some of the trend tables the designation "Other" includes Asian and Pacific Islanders for years prior to 2012. Non-White Hispanics are included in their appropriate race groups.

The American Indian figures include those living both on and off the reservation.

The race/ethnicity of mother, father, or decedent is as stated on the certificate.

This year's report continues with the method of combining, or bridging, race/ethnicity for individuals identified as both Hispanic and one other race introduced in the 2012 report. This method allows us to match the categories of race/ethnicity used by the Arizona Department of Administration to create the population projections used as denominators in this report, as well as to create more meaningful racial/ethnic categories by placing individuals identified with both race and ethnicity into the group representing a smaller proportion of Arizona's population. Prior to 2012, individuals who identified as both Hispanic and any other race were identified as Hispanic. Individuals identified as Hispanic plus another race are now included in the racial/ethnic category with the lowest population in the state. This approach to bridging is defined as the smallest group deterministic whole method. In this method, individuals identified as both White and Hispanic are classified as Hispanic, where individuals identified as Hispanic and any other race (Black or African American, American Indian or Alaska Native, and Asian or Pacific Islander) are categorized by their racial identification. Race/ethnicity was bridged in the birth, death, and fetal death data, but was left un-bridged in the abortion and HDD data to allow comparison with other reports using differing racial/ethnic categorization.

Rates

Rate is a measure of the frequency of some event 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. Rates express the likelihood (or risk) of the event in the specified population during a particular time and are generally expressed as units of population in the denominator (per 1,000, 10,000, 100,000 and so forth).

Many rates shown in this report are based on a small population, a small number of events, or both. Rates based on small numbers are unreliable and thus should be viewed with caution. Rates for many counties or Arizona's ethnic minorities also vary considerably from year to year due to small populations and/or few events. Finally, the difference in methods used to calculate population denominators can lead to variation in rates that do not accurately reflect changes in the number of events occurring in the population. We recommend analyzing the underlying counts for each event before interpreting variation in rates between years.

Terms Related to Reproductive Health

Abortion Rate - Number of reported abortions to females of all ages during a calendar year per 1,000 females of childbearing age (15-44 years).

Abortion Ratio - Number of abortions reported during a period per 1,000 live births occurring during the same period.

Birth or Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.

Birth rate - Number of live births during a calendar year per 1,000 population.

Birth weight - The weight of a neonate determined immediately after delivery or as soon thereafter as possible.

Fetal death - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy and which is not an induced termination of pregnancy. The death is indicated by the fact that, after such expulsion or extraction, the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.

Fetal death rate - Number of fetal deaths at 20 or more weeks of gestation per 1,000 live births + fetal deaths.

Fertility rate (general) - Total number of live births to women of all ages during a calendar year per 1,000 women of childbearing age (15-44 years old).

Fertility rate (total) - The sum of age-specific birth rates of women at each age group 10-14 through 45-49. Since five-year age groups are used, the sum is multiplied by five.

Infant death - Any death at any time from birth up to, but not including, the first year of age (364 days, 23 hours, 59 minutes from the moment of birth).

Infant mortality rate - Number of infant deaths per 1,000 live births.

Low-birthweight - Any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).

Maternal mortality rate - Number of deaths attributed to maternal conditions (i.e. related to or aggravated by pregnancy or its management) per 100,000 live births.

Neonatal death - Death of a live born neonate before the neonate becomes 28 days old (up to and including 27 days, 23 hours, 59 minutes from the moment of birth).

Neonatal mortality rate - Number of neonatal deaths per 1,000 live births.

Perinatal mortality rate - The sum of infant deaths of less than 7 days and fetal deaths with a stated or presumed period of gestation of 28 weeks or more per 1,000 live births + fetal deaths of 28 or more weeks of gestation.

Postneonatal death - Any death of a live born infant at least 28 days of age but less than one year of age.

Postneonatal mortality rate - Number of postneonatal deaths per 1,000 live births.

Post term - Any neonate whose birth occurs from the beginning of the first day (295th day) of the 43rd week following onset of the last menstrual period.

Pregnancy rate - The sum of live births, fetal deaths, and induced terminations of pregnancy per 1,000 women of childbearing age (15-44 years old).

Preterm - Any neonate whose birth occurs through the end of the last day of the 37th week (259th day), following onset of the last menstrual period.

Term - Any neonate whose birth occurs from the beginning of the first day (260th day) of the 38th week, through the end of the last of the 42nd week (294th day), following onset of the last menstrual period.

Very Low-Birthweight - Any neonate whose weight at birth is 1,500 grams or less (less than 3 pounds 5 ounces).

Medical Terms Used on the Birth Certificate

Obstetric procedures

Induction of labor - Artificially starting labor. Initiation of uterine contractions by medical and/or surgical means for the purpose of delivery before the spontaneous onset of labor.

Augmentation of labor - Speeding up the course of labor in progress. Stimulation of uterine contractions by drug or manipulative technique with the intent to reduce the time to delivery.

Cervical cerclage - Circumferential banding or suture of the cervix to prevent or treat passive dilation.

Tocolysis - Administration of any agent with the intent to inhibit pre-term uterine contractions to extend the length of the pregnancy.

External cephalic version successful - Attempted conversion of a fetus from a non-vertex presentation to a vertex presentation by external manipulation.

External cephalic version failed - Attempted conversion of a fetus from a non-vertex presentation to a vertex presentation by external manipulation.

Births with medical risk factors

Pre-existing diabetes - Metabolic disorder characterized by excessive discharge of urine and persistent thirst diagnosed prior to onset of pregnancy.

Gestational diabetes - The occurrence of diabetes during pregnancy.

Pre-existing hypertension - Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation.

Gestational hypertension - An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation.

Eclampsia - The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.

Previous preterm - Previous birth of an infant prior to term, before 37 completed weeks of gestation.

Other previous poor pregnancy outcome - History of pregnancies continuing into the 20th week of gestation and resulting in perinatal death, small-for-gestational age or intrauterine growth restricted birth.

Gonorrhea - A highly contagious sexually transmissible disease that is caused by the bacterium *Neisseria gonorrhoea*.

Syphilis - A sexually transmitted infection that can cause serious health problems if it is not treated. Syphilis is divided into stages (primary, secondary, latent, and tertiary), and there are different signs and symptoms associated with each stage.

Chlamydia - A wide-spread sexually transmissible disease caused by the bacterium *Chlamydia trachomatis*. Chlamydia during pregnancy can increase the risk of stillbirth or premature birth.

Hepatitis B - A potentially serious form of liver inflammation due to infection by the hepatitis B virus.

Hepatitis C - Type of liver inflammation that causes primarily a long-lasting disease.

Birth with complications of labor and/or delivery

Premature rupture of membranes (more than 12 hours) - Rupture of membranes at any time during pregnancy and 12 hours or more before the onset of labor.

Precipitous labor - Extremely rapid labor and delivery lasting less than 3 hours.

Prolonged labor - Abnormally slow progress of labor lasting for 20 hours or more.

Breech presentation - At birth, presentation of the fetus in which the buttocks or feet appear first as opposed to head.

Chorioamnionitis - Acute inflammation of the membranes and chorion of the placenta, typically due to ascending infectious organisms in the setting of membrane rupture. Clinical signs of chorioamnionitis include fundal tenderness, maternal tachycardia (>100/min), fetal tachycardia (>160/min) and purulent or foul amniotic fluid.

Meconium staining of the amniotic fluid - Fetal defecation of meconium while in utero resulting in amniotic fluid with a greenish discoloration. Moderate to heavy amounts of meconium in the amniotic fluid noted during labor and/or delivery indicate fetal distress.

Fetal intolerance - Fetal intolerance of fetus to labor such that one or more of the following actions, that is, in utero resuscitation measures, further fetal assessment, or operative delivery are taken to relieve fetal distress. In utero resuscitative measures include any of the following: maternal position change, oxygen administration to the mother, intravenous fluid administered to the mother, amnioinfusion, support of maternal blood pressure, and administration of uterine relaxing agents.

Maternal transfusion - Infusion of blood or blood components occurring 24 hours prior delivery or within 24 hours of delivery.

Third or fourth degree perineal laceration - Serious types of perineal injury that can be sustained during childbirth. A third-degree perineal laceration is a severe tear in the vaginal tissue, perineal skin, and perineal muscles that extends into the anal sphincter. A fourth-degree laceration is the most severe type of perineal injury; the tear goes completely into the anal sphincter through the rectal mucosa.

Ruptured uterus - Tearing of the uterus wall during labor and delivery.

Unplanned hysterectomy - Surgical removal of the uterus that was not planned prior to admission for delivery.

Admission to intensive care unit - Any admission, planned or unplanned, of the mother to a facility/unit designated as providing intensive care.

Unplanned surgery following delivery - Any unplanned operative procedure, excluding postpartum tubal ligations, prior to the admission for delivery.

Abnormal conditions of the newborn

Assisted ventilation immediately after delivery - A mechanical method of assisting respiration for newborns with respiratory failure, required immediately following delivery.

Assisted ventilation for more than 6 hours - Newborn placed on assisted ventilation for more than 6 hours.

Surfactant replacement therapy - Procedure to directly provide surfactant before the lungs are capable of producing it naturally, to make lung expansion and

breathing easier. This treatment is administered immediately after birth for extremely premature babies

or later once respiratory problems have manifested themselves to prevent respiratory distress syndrome.

Suspected neonatal sepsis - Neonates presenting signs of sepsis-an invasive infection, commonly bacterial-occurring during the neonatal period. Treatment is with antibacterial drug given systemically (intravenous or intramuscular).

Seizure or serious neurologic dysfunction - A seizure of any etiology; neurologic impairment such as obtundation, stupor, or coma.

Significant birth injury - Impairment of the infant's body function or structure due to adverse influences that occurred at birth. Injuries include skeletal fracture(s), peripheral nerve injury and/or soft tissue/solid organ hemorrhage which requires intervention. Skeletal fracture includes any bony fracture or weakness or loss of sensation, but excludes fractured clavicles and transient facial nerve palsy. Soft tissue hemorrhage includes sub-galeal (progressive extravasation within the scalp) hemorrhage, giant cephalohematoma, extensive truncal, facial and /or extremity ecchymossi accompanied by evidence of anemia and/or hypovolemia and or hypotension. Solid organ hemorrhage includes subcapsular hematoma of the liver, fractures of the spleen, or adrenal hematoma.

Congenital anomalies of the newborn

Anencephalus - Absence of the cerebral hemispheres.

Spina bifida/meningocele - Developmental anomaly characterized by defective closure of the bony encasement of the spinal cord, through which the cord and meninges may or may not protrude.

Cyanotic congenital heart disease - Congenital anomalies of heart.

Congenital diaphragmatic hernia - Defect in the diaphragm, characterized by an abnormal opening that allows abdominal organs to move into the chest, usually resulting in respiratory distress.

Omphalocele/Gastroschisis - An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.

Limb reduction defect - Complete or partial absence of any part of a limb or limbs, excluding congenital amputation and dwarfing syndromes).

Cleft lip/palate - Cleft lip is a fissure or elongated opening of the lip; cleft palate is a fissure in the roof of the mouth. These are failures of embryonic development.

Down's syndrome - The most common chromosomal defect with most cases resulting from an extra chromosome (Trisomy 21).

Suspected chromosomal disorder - Any group of congenital malformations resulting from or compatible with known syndromes caused by noticeable defects in chromosome structure.

Hypospadias - Congenital anomaly of the male genitalia characterized by an incomplete closure of the urethra.

Diagnosis and Procedure Codes Used to Analyze the Hospital Discharge Data

Diagnostic groupings and code numbers used in Chapter 4 and Chapter 7 are based on the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) and on the International Classification of Diseases, 10th Revision, Clinical

Modification/Procedure Coding Systems (ICD-10-CM/PCS) implemented on October 1st, 2015.

The tabulations of the hospital inpatient data by first-listed diagnosis utilize the diagnostic categories available at:

<http://pub.azdhs.gov/health-stats/hip/cat/icd9-10primary.xlsx>.

The ICD-9-CM and ICD-10-CM diagnostic categories used to identify specific mental disorders are available online at:

https://pub.azdhs.gov/health-stats/hip/cat/icd9-10_HDD.xlsx

ICD-10-CM/PCS is very different from ICD-9-CM, both in content and structure of the codes used to describe the severity and complexity of various diseases/injuries and inpatient procedures. The transition to ICD-10-CM/PCS has some impact on comparability of hospital discharge data and continuity of statistical trends.

Any comparison of hospital discharge events between 2015 and previous years should take into account the differences between the classification systems.

Terms Related to Mortality

The most common, and perhaps the most valuable, measure of the likelihood (or risk) of death in the specified population during a particular time is the **crude death rate**. It is computed as the number of deaths per 1,000 or 100,000 population.

Age-adjusted mortality rates - Because mortality from most causes of death occurs predominately among the elderly, a population group with a larger proportion of older persons would have a higher mortality rate. The "age-adjustment" removes the effect of the age differences among sub-populations (or in the same population over time) by placing them all in a population with a standard age distribution. All age-adjusted mortality rates in this report were computed by the direct method, that is, by weighting the age-specific rates for a given year by the age distribution of a standard population. The weighted age-specific rates are then added to produce the summary rate for all ages combined. Beginning with the 2000 data year, a new population standard for the age adjustment of mortality rates has replaced the standard based on the 1940 population and used since 1943. The new standard uses the age composition of the 2000 U.S. projected population. The standard is expressed in terms of a "standard million": the relative distribution of the 2000 population of the United States totaling 1 million in 10-year age groups:

| Age group | 2021 population | 2021 deaths | Age-specific rates in 2021 | 2000 standard | Age-adjusted rate for 2021 |
|-----------|-----------------|-------------|----------------------------|---------------|----------------------------|
| A | B | C | D | E | F |
| | | | (C/B)*100000 | | D*E |
| <1 | 79,903 | 430 | 538.2 | .013818 | 7.4 |
| 1-4 | 336,912 | 106 | 31.5 | .055317 | 1.7 |
| 5-14 | 919,320 | 143 | 15.6 | .145565 | 2.3 |
| 15-24 | 969,553 | 1,141 | 117.7 | .138646 | 16.3 |
| 25-34 | 1,011,999 | 2,334 | 230.6 | .135573 | 31.3 |
| 35-44 | 896,852 | 3,237 | 360.9 | .162613 | 58.7 |
| 45-54 | 844,036 | 5,289 | 626.6 | .134834 | 84.5 |
| 55-64 | 878,995 | 10,771 | 1225.4 | .087247 | 106.9 |
| 65-74 | 772,220 | 17,385 | 2251.3 | .066037 | 148.7 |
| 75-84 | 426,299 | 20,707 | 4857.4 | .044842 | 217.8 |
| 85+ | 149,281 | 19,927 | 13348.7 | .015508 | 207.0 |
| | 7,285,370 | 81,482 | | TOTAL | Σ = 882.6 |

The age-adjusted mortality rates should be viewed as relative indexes rather than as actual measures of mortality risk. It is also important to note that age-adjusted rates can only be compared to other age-adjusted rates that use the same population standard.

In this report, all age-adjusted mortality rates are based on the 2000 standard, and they CANNOT BE compared to rates using the 1940 standard population.

Age-specific mortality - Number of deaths in a specific age group during a calendar year.

Alcohol-induced deaths - This category was expanded in 2003. Causes of death attributable to alcohol mortality include mental and behavioral disorders due to alcohol use, degeneration of nervous system due to alcohol use, alcoholic polyneuropathy, alcoholic cardiomyopathy, alcoholic gastritis, alcoholic liver disease, finding of alcohol in blood, accidental poisoning by and exposure to alcohol, intentional self-poisoning by alcohol, poisoning by alcohol, undetermined intent.

Cause of death - For the purpose of national mortality statistics, every death is attributed to one underlying condition, based on information reported on the death certificate and utilizing the international rules for selecting the underlying cause of death from the reported conditions.

Cause-specific mortality - Number of deaths from a specified cause during a calendar year.

Classification of causes of death - The cause of death used in this report is the underlying cause classified according to the *International Classification of Diseases (ICD)*. Beginning with the 2000 data year in Arizona (1999 nationally), a new revision of the International Classification of Diseases was implemented. The Tenth Revision (ICD-10) has replaced the Ninth Revision (ICD-9), which was in effect since 1979.

Comparability ratios - Comparability ratios are measures of comparison between ICD-9 and ICD-10. Any comparison of causes of mortality in Arizona before and after the implementation of ICD-10 needs to take into account the changes in statistical trends that can be attributed to changes in the classification system alone. Comparability ratio of 1.0 indicates that the same number of deaths would be assigned to a cause-of-death when ICD-9 or ICD-10 was used. Comparability-modified number of deaths and mortality rates are shown for the four causes of death for which the discontinuity in trend is substantial (influenza and pneumonia, Alzheimer's disease, nephritis, or septicemia).

Drug-induced deaths - This category was expanded in 2003. Causes of death attributable to drug-related mortality include mental and behavioral disorders due to psychoactive substance use, accidental poisoning by and exposure to drugs, suicide by drugs, homicide by drugs and poisoning by drugs, undetermined intent.

Opioid-induced deaths - This sub-category was included in 2016. Opioids include drugs such as morphine, heroin, oxycodone, tramadol, and methadone.

Firearm mortality - Causes of death attributable to firearm mortality include accidental discharge of firearms, suicide by firearms, homicide by firearms, legal intervention involving discharge of firearms, terrorism involving firearms and discharge of firearms, undetermined intent.

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Reported cases 3A-1, 5F-1, 5F-2

Typhoid fever 3A-1, 3A-2, 5F-1, 5F-2

U

Ulcer, peptic, deaths from 2B-6, 2C-27, 2C-28, 5E-12

Ultrasound, (inpatient procedure), 4B-1, 4B-2,
4B-3, 4B-4, 7B-1

Urban areas 1B-5, 1B-7, 1B-25, 2B-5,
2C-1, 2C-8, 2C-12, 2C-16, 2C-20, 2C-24, 2D-3, 2D-4,

V

Vaginal, (see also Method of delivery) 1B-25, 1B-27,
1B-31, 1B-32, 1B-33, 5B-26

Vacuum, (see also Method of delivery) 1B-25, 1B-27,
1B-31, 1B-32, 1B-33, 5B-26

Valley Fever (Coccidioidomycosis, see also Diseases, Reportable) 3A-1, 3A-2, 5F-1, 5F-2

Vancomycin resistant Enterococcus spp. 3A-1,
Varicella (see Chickenpox)

Very low-birthweight 1B-2, 1B-3, 1B-4, 1B-5,
1B-6, 1B-7, 1B-8, 1B-9, 1B-10, 1B-11, 1B-12,
1B-13, 1B-14, 1B-15, 1B-25, 1B-27, 1B-31

Vibrio spp. 3A-1, 5F-1, 5F-2

Viral hepatitis, deaths from 2B-6, 2C-27, 2C-28, 5E-12

Volume depletion, inpatient discharges with 4A-1,
4A-2, 4A-3, 4A-5, 7A-1

W

White, non-Hispanic residents 1A-1, 1A-2, 1A-3,
1A-4, 1A-5, 1A-6, 1B-2, 1B-3, 1B-4, 1B-5, 1B-6,
1B-7, 1B-20, 1B-22, 1B-25, 1B-26, 1B-27,
1B-27, 1B-29, 1B-30, 1B-31, 1B-32, 1B-33, 1B-34,
1C-4, 1C-5, 1D-1, 1D-2, 1D-4, 2A-1, 2B-3,
2B-4, 2C-4, 2C-11, 2C-15, 2C-19, 2C-23,
2D-1, 2D-2, 2D-3, 2D-4, 3B-5, 3C-3, 5B-7, 5B-8,
5B-10, 5B-15, 5B-18, 5B-22, 5C-5, 5E-6,
5E-18

Whooping cough (see also Pertussis)

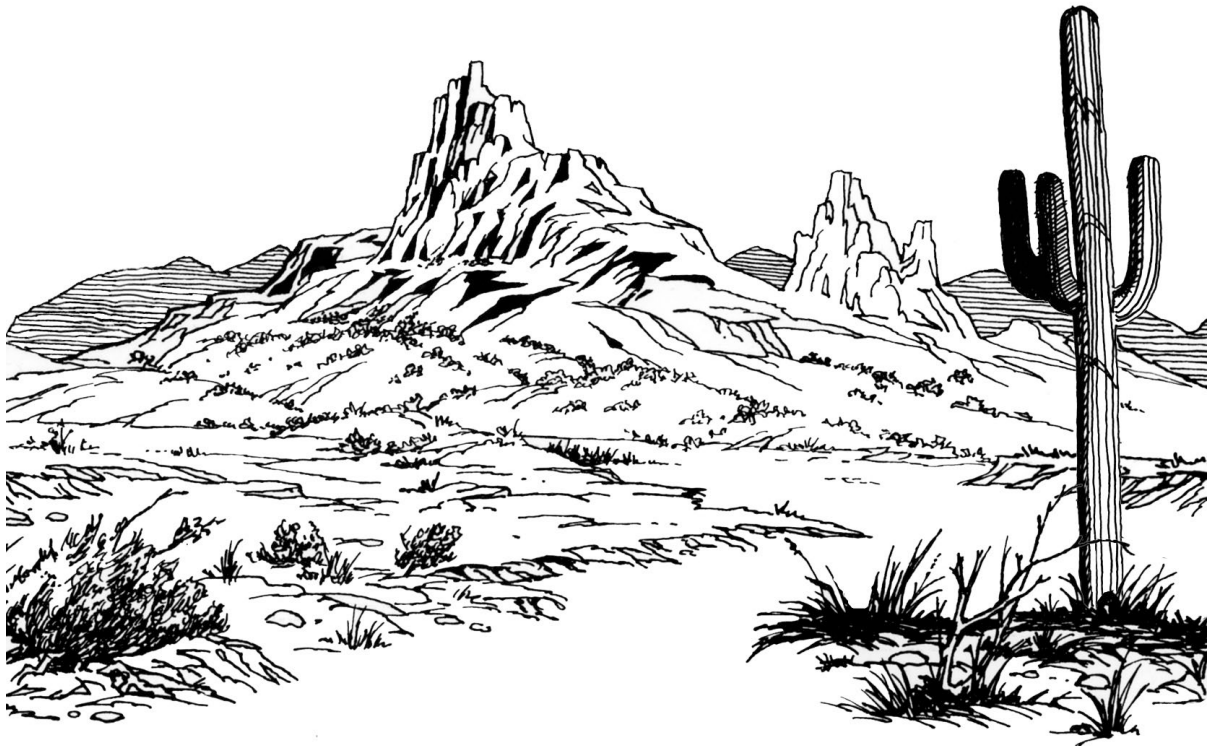
Reported cases 3A-1, 5F-1, 5F-2

Deaths from 2B-6, 2C-27, 2C-28, 3A-2, 5E-12

Y

Yersiniosis (except Y. pestis) 3A-1, 5F-1, 5F-2

Our Web site at <http://pub.azdhs.gov/health-stats> provides access to a wide range of statistical information about the 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 Advance Vital Statistics by County of Residence, Injury Mortality among Arizona Residents (all injury, accidents, suicides, homicides, legal intervention, undetermined, firearm-related fatalities, drug-related deaths, drowning deaths, falls among Arizonans 65 years or older), Hospital Inpatient and Emergency Room Statistics (first-listed diagnosis, procedures, alcohol abuse, asthma, diabetes, substance abuse, falls, influenza and pneumonia, injury, and mental disorders), Abortions in Arizona, Community Vital Statistics, Teenage Pregnancy, Differences in Health Status Among Racial/Ethnic Groups, Health Status Profile of American Indians in Arizona, Mortality from Alzheimer's Disease, Heart Disease vs. Cancer: An Epidemiologic Transition in Mortality Risks, and Deaths from Exposure to Excessive Natural Heat Occurring in Arizona.



ARIZONA DEPARTMENT OF HEALTH SERVICES
Business Intelligence Office
Vital Statistics Program