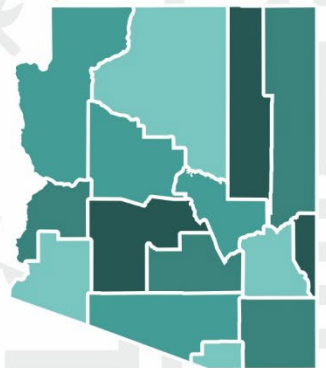




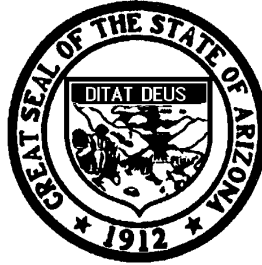
ARIZONA HEALTH STATUS AND VITAL STATISTICS

2023





~ Health and Wellness for all Arizonans ~



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State of Arizona

Debbie Johnston, Director
Arizona Department of Health Services

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ARIZONA

Health Status and Vital Statistics

2023

by

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December 2025



The vital events for the year 2023 analyzed in this report include birth, death, and fetal death certificates that were received on or before May 1, 2024. 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.

Acknowledgments

Publication of the *Arizona Health Status and Vital Statistics 2023* would not have been possible without the contributions of staff members throughout the Arizona Department of Health Services.

Special recognition must be given to Sarah Copeland, Hanna Maroofi, Laura Rust, Timothy Chan, Sasha Harb, Rick DeStephens, and Mercedes Seschillies-Sadow, with the ADHS Bureau of Infectious Disease and Services.

We would also like to thank Jim Chang, PhD., State Demographer and Thara Salamone with the Office of Economic Opportunity (OEO), whose help in developing the population denominators used to compute the rates of vital events cannot be overestimated.

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The tables and figures in this report are organized by section and the numbers assigned to them use the following section identifiers as prefixes:

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PREGNANCIES BY PREGNANCY OUTCOME		1B	5B	9A
NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH		1C	5C	
FETAL, PERINATAL, AND MATERNAL DEATHS		1D	5D	
TRENDS AND PATTERNS IN MORTALITY				
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LEADING CAUSES OF DEATH		2B	5E	
AGE-SPECIFIC MORTALITY		2C	5E	9B
PATTERNS OF PREMATURE MORTALITY		2D	5E	
REPORTABLE DISEASES				
NON-SEXUALLY TRANSMITTED		3A	5F	
SEXUALLY TRANSMITTED		3B	5F	
HIV DISEASE AND AIDS		3C	5F	
MARRIAGES AND MARRIAGE DISSOLUTIONS				
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DISSOLUTIONS OF MARRIAGE			5G	
HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS				
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HEART DISEASE AND STROKE		6A	6B	
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* All tabulations by county include totals for the state.

INTRODUCTION

ORGANIZATION OF THE REPORT

This publication by the Arizona Department of Health Services, **Arizona Health Status and Vital Statistics 2023**, 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 2023 report highlights both statewide trends as well as inequalities in health by subgroups including race/ethnicity, gender, and county. When possible, the data for 2023 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 2013 to 2023. 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 2013 to 2023. 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 2013 to 2023. 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 2023. 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 1970-2012 in Chapter 8.

Part III, **THE COMMUNITIES**, provides readers with selected community-level data by Community Statistical Areas on live births and deaths in Arizona in 2023 (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, Public Health Data Portal: data.azdhs.gov.

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 2023** 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 2023** report, as well as previously published reports for 2000-2022, are available online at: <http://pub.azdhs.gov/health-stats>.

FEATURES OF 2023 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 2023 Health Status report covered the tenth 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 2023 *Arizona Health Status and Vital Statistics* report is the twelfth 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 2023, there were 77,881 resident births, a decrease of 0.6 percent from the previous year's 78,355 births. Compared to 2022, the number of births decreased for White non-Hispanics (2.3 percent), Black or African Americans (1.5 percent), and American Indian or Alaska Natives (2.7 percent). There was an increase for Hispanic or Latinos (1.0 percent), and Asians or Pacific Islanders (4.4 percent).

SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS IN 2023

Among Arizona women who gave birth in 2023:

- 36,160 births (46.4 percent) were paid for by the Arizona Health Care Cost Containment System (AHCCCS).
- 35,407 (45.5 percent) of births were to unmarried mothers, which may signify absence of emotional, social, and financial resources.
- 25,328 (32.5 percent) of births were to women who experienced complications during labor and/or delivery.
- 20,308 (26.1 percent) of births occurred to women who received late or no prenatal care.
- 23,521 (30.2 percent) of births were to women who had a serious medical condition such as hypertension, diabetes, or sexually transmissible diseases.
- 3,473 (4.5 percent) of births were to teenagers 19 years old or younger.
- 1,645 (2.1 percent) of births were to women who smoked during pregnancy.

TEEN PREGNANCIES

In 2023, both the number of teen pregnancies among females 19 years or younger (4,637) and the teen pregnancy rate (9.7) were the lowest they have been since at least 1990 (the earliest information that could be found). From 2013 to 2023 the number of teen pregnancies decreased by 46.8 percent and the pregnancy rate decreased by 49.5 percent.

Teenage females received more abortions in 2023 (1,139) than in 2022 (1,092).

TOTAL MORTALITY

During 2023, 69,005 Arizona residents died, 4,856 less than in 2022. The 2023 age-adjusted mortality rate decreased from 784.3 per 100,000 residents in 2022 to 720.5 per 100,000 residents in 2023. The median age at death in 2023 was 76.0 years.

INFANT MORTALITY

In 2023, 430 infants died before reaching their first birthday, 195 fewer than the latest peak of 701 infant deaths in 2007. The 2023 infant mortality rate (IMR) of 5.5 represents a decrease from the rate of 6.2 infant deaths per 1,000 live births recorded in 2022.

Newborn weight at birth is one of the most important predictors of an infant's survival chances. In 2023, the mortality rate among babies weighing less than 500 grams at birth was 79.1 per 100 newborns. Together, infants with low birth weight (weighing less than 2,500 grams) accounted for 8.1 percent of births and 61.9 percent of all infant deaths.

CAUSE-SPECIFIC MORTALITY

In 2023, there were 526 deaths due to **homicides**, a decrease of 15.8 percent from 2022. **Drug-induced** fatalities decreased by 2.3 from 2,769 deaths in 2022 to 2,705 in 2023. Deaths caused by opioids have claimed the lives of 1,928 Arizonans in 2023, (0.1 percent) increase from 1,927 deaths in 2022. In 2023, 226 Arizonans died from **obesity** as the underlying (primary) cause of death, an 8.9 percent decrease from 2022. The number of completed **suicides** decreased from 1,594 in 2022 to 1,485 in 2023. Males accounted for 79.0 percent of suicides. The age-adjusted suicide rate decreased from 20.5 suicides per 100,000 in 2022 to 18.9 per 100,000 in 2023.

The number of deaths due to **diabetes** decreased from 2,418 deaths in 2022 to 2,330 in 2023. In 2023, in addition to the 2,330 deaths that had diabetes assigned as the underlying cause, another 4,939 deaths had diabetes assigned as a contributing factor. COVID-19 data collection began in mid-March 2020, and was the fourth leading underlying cause of death with 4,599 deaths in 2022, but in 2023, COVID-19 ranked lower as the 11th leading underlying cause of death with 954 deaths among Arizona residents. Men accounted for 55.3 percent of COVID-19 deaths. Elderly Arizonans (65+) years of age accounted for 87.2 percent of COVID-19 deaths.

HOSPITAL CARE

In 2023, there were 702,383 inpatient discharges, excluding newborn infants, from non-Federal short stay hospitals in Arizona. Among those admitted as inpatients, 1,358

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 43,054 hospitalizations while 26,476 inpatient discharges were recorded for **depression**. In 2023, 7,368 hospitalizations listed **COVID-19** as the first-listed diagnosis with 89.9 percent of discharges recording an age of 45 years and older.

EMERGENCY ROOM CARE

During 2023, about 2.5 million visits were made by Arizona residents to hospital emergency rooms (ER), representing approximately 33.7 visits per 100 persons. In 2023, **abdominal pain, chest pain, acute upper respiratory infection, superficial injuries, mental disorders, spinal disorders, and contusion with intact skin surface** were the leading diagnostic categories, accounting for approximately one-fourth (25.5 percent) of all the ER visits.

A total of 2,625 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 2013, 2018, and 2023 is presented on the following page.

**COMPARISON
OF SELECTED VITAL STATISTICS FOR ARIZONA RESIDENTS, 2013, 2018, and 2023**

	2013	2018	2023
POPULATION Total, all ages	6,581,054	7,076,199	7,525,113
Females aged 15-44	1,286,456	1,356,089	1,446,984
Elderly 65+	981,128	1,214,261	1,391,787
MARRIAGES	35,791	39,691	41,289
Marriage rate per 1,000 population	5.4	5.6	5.5
DIVORCES	26,037	21,187	15,164
Divorce rate per 1,000 population	4.0	3.0	2.0
PREGNANCIES Total, all ages	98,762	93,373	91,074
Teen* pregnancies	8,715	5,829	4,637
Teen* pregnancy rate per 1,000 females	19.2	12.6	9.7
BIRTHS Total, all ages	84,963	80,539	77,881
Birth rate per 1,000 population	12.9	11.4	10.3
Teen* births	7,222	4,659	3,473
Teen* birth rate per 1,000 females	15.9	10.1	7.3
Births to unmarried mothers	38,352	35,927	35,407
Births to unmarried mothers per 100 births	45.1	44.6	45.5
Low-birthweight (LBW) births	5,849	6,106	6,284
LBW ratio per 100 births	6.9	7.6	8.1
Multiple births	2,547	2,630	2,382
DEATHS Total deaths, all causes & ages	49,929	59,206	69,005
Death rate per 100,000 population	758.7	836.7	917.0
Infant deaths	447	447	430
Infant mortality rate per 1,000 births	5.3	5.6	5.5
SIDS (Sudden Infant Death Syndrome) deaths	14	14	10
Maternal deaths	9	33	25
Deaths from cardiovascular diseases	13,746	16,645	19,415
Deaths from breast cancer among females	827	805	906
Deaths from lung cancer	2,763	2,640	2,408
Deaths from Alzheimer's disease	2,384	3,011	2,642
Deaths from influenza and pneumonia	724	1,113	931
Deaths from morbid obesity	160	206	226
Deaths from diabetes	1,744	2,041	2,330
Suicides, total	1,116	1,432	1,485
Elderly suicides	224	335	383
Teen** suicides	32	81	62
Homicides, total	383	416	526
Teen** homicides	31	29	70
Deaths from HIV disease	90	79	77
Deaths from motor vehicle-related injuries	767	1,032	1,299
Firearm-related deaths	931	1,140	1,405
Drug-induced deaths	1,099	1,766	2,705
Accidental drowning deaths, all ages	72	92	120
Drowning among children 0-4 years old	19	21	19
Deaths from exposure to excessive natural heat	56	94	352
Deaths from exposure to excessive natural cold	28	15	33
ABORTIONS Total, all ages	13,254	12,362	12,705
Abortions to teens*	1,441	1,146	1,139
FETAL LOSSES Total, all ages	545	472	488
Among pregnant teens*	52	24	25

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, 2013-2023

- 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.

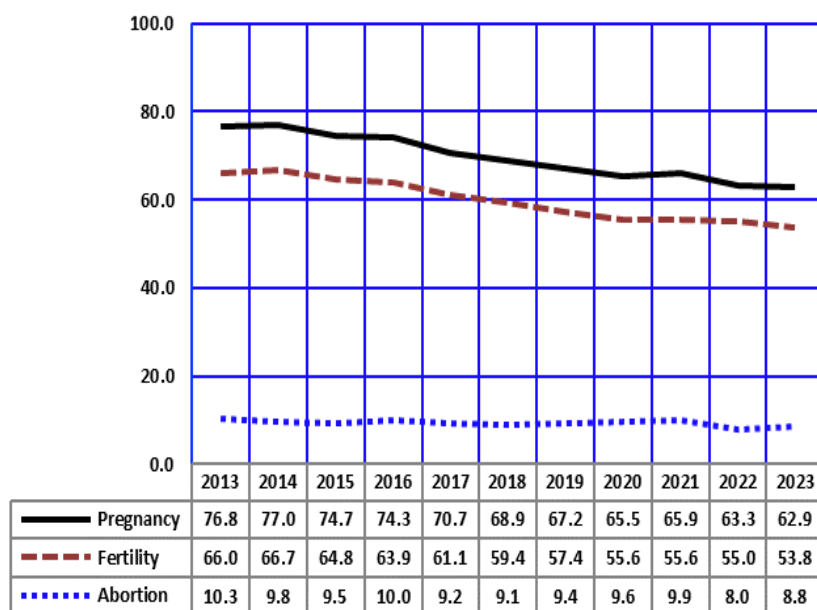
PREGNANCIES BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND AGE GROUP

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).

In Arizona there were 91,074 pregnancies in 2023 compared to 90,256 in 2022, 92,280 in 2021, and 98,762 in 2013. The number of resident live births decreased by 0.6 percent, from 78,355 in 2022 to 77,881 (**Table 1A-1**). The number of reported abortions increased by 11.4 percent, from 11,407 in 2022 to 12,705 in 2023. The number of reportable spontaneous fetal losses decreased 1.2 percent, from 494 in 2022 to 488 in 2023.

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, 2013-2023



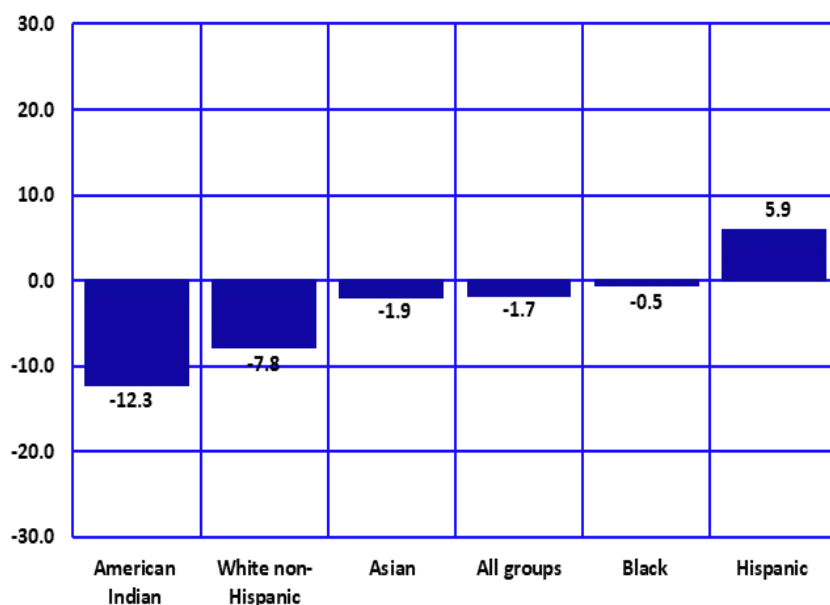
A rate is a measure of the frequency of some event (such as pregnancy, or live birth) in relation to a unit of population during a specified time period such as a year; events in the numerator of the year occur to individuals in the denominator. The pregnancy rate decreased from 63.3 pregnancies per 1,000 females of childbearing age in 2022 to 62.9 pregnancies per 1,000 females of childbearing age in 2023 (**Figure 1A-1, Table 1A-1**).

The fertility rate (the number of births per 1,000 women of childbearing age) also decreased from 55.0 in 2022 to 53.8 in 2023. In 2023, the fertility rate was 18.5 percent lower than the high rate recorded in 2013.

The abortion rate (the number of abortions per 1,000 women of childbearing age) increased 10.0 percent, from 8.0 per 1,000 women of childbearing age in 2022 to 8.8 in 2023.

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

Figure 1A-2
Percent Change from 2019 to 2023 in the Number of Pregnancies by Woman's Race/Ethnicity, Arizona



Overall, pregnancies in Arizona decreased 1.7 percent from 2019 to 2023. The changes in number of pregnancies varied by race/ethnicity.

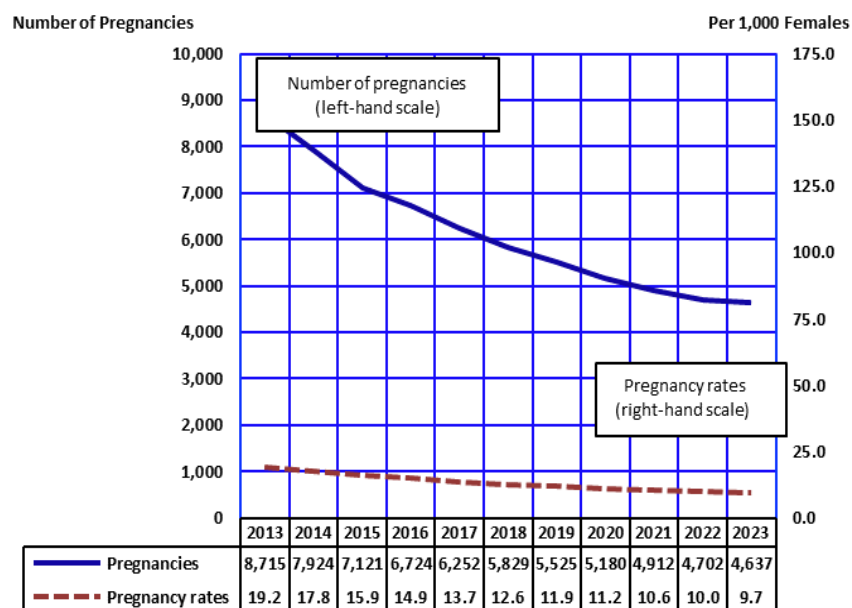
Between 2019 and 2023, while American Indian females (12.3 percent), White non-Hispanic (7.8 percent), Asian (1.9), and Black females (0.5 percent) experienced a decrease in number of pregnancies, Hispanic (5.9) witnessed an increase in their pregnancy counts (**Figure 1A-2, Table 1A-1**).

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 46.8 percent from 8,715 in 2013 to 4,637 in 2023 (**Figure 1A-3**). The teen pregnancy rate declined even more, by 49.5 percent, from 19.2 pregnancies per 1,000 females 10-19 years in 2013 to 9.7 per 1,000 females in 2023. The number of teenage pregnancies and the teen pregnancy rate of 2023 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, 2013-2023

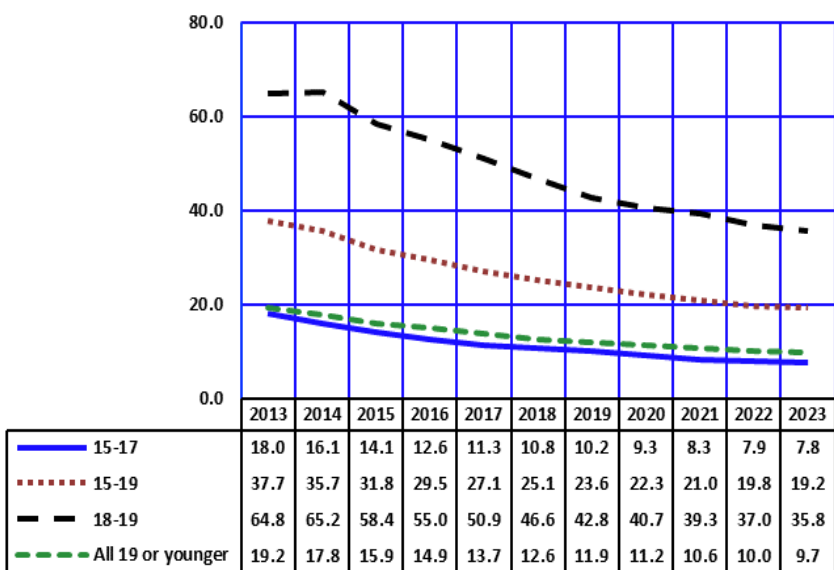


Note: ^a Pregnancy rate is the number of pregnancies per 1,000 females in specified age group.

The pregnancy rate for Arizona teenagers 15-19 years old in 2023 was 19.2 pregnancies per 1,000 females (**Figure 1A-4**, **Table 5A-2**), 3.0 percent lower than in 2022 and 49.1 percent lower than in 2013. The pregnancy rate for younger teenagers 15-17 years old declined by 56.7 percent (**Table 1A-3**) from 18.0/1,000 in 2013 to 7.8 /1,000 in 2023. The pregnancy rate for older teenagers 18-19 years old declined by 44.8 percent from 64.8/1,000 in 2013 to 35.8/1,000 in 2023 (**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.

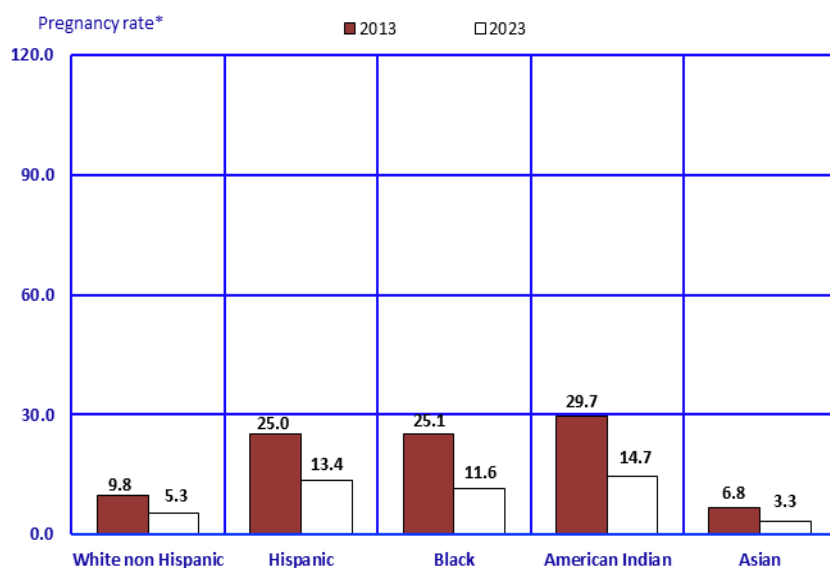
Figure 1A-4
Pregnancy Rates^a by Age Group and Year among Females
19 or Younger, Arizona, 2013-2023



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, 2013 and 2023



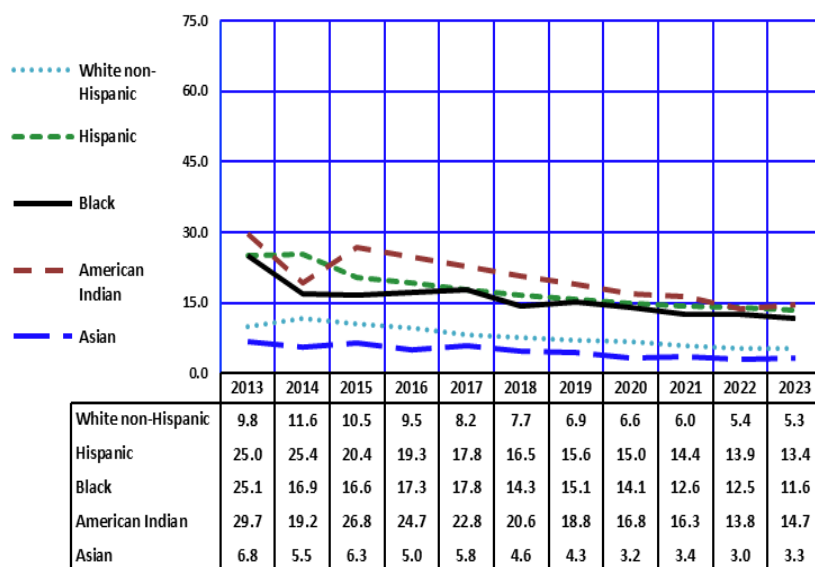
Note: ^a All rates per 1,000 females in specified age group.

Teen pregnancy rates differ by race/ethnicity.

Between 2013 and 2023, 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 Black females, who experienced a 53.8 percent drop from 2013 to 2023. The Asian and American Indian teenage pregnancy rate also decreased greatly, by 51.5 percent for Asians and 50.5 percent for American Indians from 2013 to 2023.

The changes in annual teen pregnancy rates from 2013 to 2023 are shown in detail below.

Figure 1A-6
Pregnancy Rates^a by Race/Ethnicity and Year among Females 19 or Younger, Arizona, 2013-2023



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

The teen pregnancy rates for all racial/ethnic groups were lower in 2023 than in 2013 (**Figure 1A-6**). Compared to 2013, the teen pregnancy rate declined substantially, to 51 percent when all racial/ethnic groups were combined (**Table 1A-5**).

From 2022 to 2023, teenage pregnancy rates decreased for White-non-Hispanic, Hispanic, and Black except for American Indian and Asians, who had an increase. The decline was greater among Black females (7.2 percent), Hispanic (3.6 percent), and White non-Hispanic (1.9 percent).

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, 2023

In 2023, 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 (60.6 percent) and live births (62.7 percent; **Figure 1A-7**). In contrast, White non-Hispanic females made up 41.1 percent of all females 10-19 years old in Arizona, but had a lower proportional contribution to teen pregnancies (22.2 percent) and live births (20.7 percent). Note: percentages are based on the number of pregnancies and births in **Table 1A-5**.

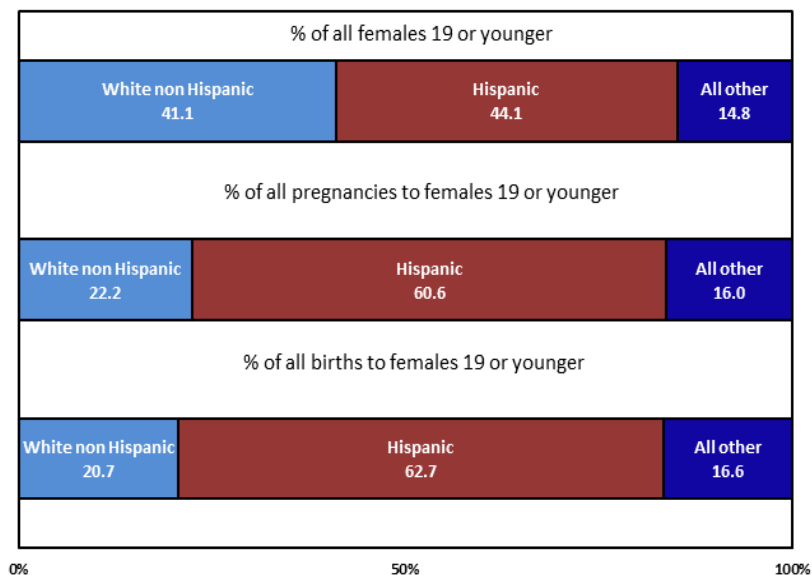
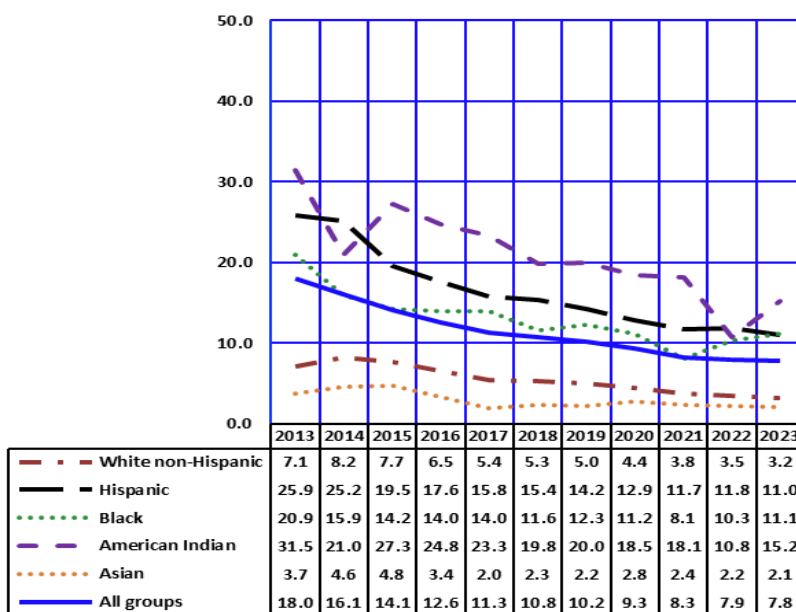


Figure 1A-8
Pregnancy Rates^a by Race/Ethnicity and Year among Females 15-17 Years: 2013-2023

The 2023 pregnancy rate among females 15-17 was the highest for American Indian females at 15.2 pregnancies per 1,000 females in the specified age group. The pregnancy rate among females 15-17 years in 2023 were lower than in 2022 for White non-Hispanic, Hispanic, and Asian females. Conversely, Black and American Indian females saw an increase from 2022 to 2023. Overall there is a significant declining trend seen since 2013 (**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, 2013-2023**

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	40,982	45,864	43,758	43,287	40,654	39,921	39,103	37,971	38,710	36,758	36,043	53.7
Births	38,220	40,097	38,180	37,762	35,685	34,909	34,118	33,101	33,851	32,792	32,036	47.7
Abortions	2,515	5,562	5,378	5,321	4,762	4,807	4,798	4,684	4,645	3,761	3,834	5.7
Fetal deaths	247	205	200	204	207	205	187	186	214	205	173	0.3
HISPANIC OR LATINO, total:	37,469	38,396	38,841	38,892	38,001	37,848	37,864	37,385	38,570	38,873	40,087	72.6
Births	33,075	33,715	34,264	33,874	33,191	32,995	32,575	31,859	32,288	33,584	33,909	61.4
Abortions	4,189	4,499	4,350	4,823	4,639	4,679	5,093	5,349	6,080	5,103	6,011	10.9
Fetal deaths	205	182	227	195	171	174	196	177	202	186	167	0.3
BLACK OR AFRICAN AMERICAN, total:	4,955	5,551	5,485	5,688	5,838	5,926	6,295	6,410	6,521	6,213	6,265	74.0
Births	4,726	4,522	4,361	4,388	4,595	4,655	4,865	4,766	4,795	4,847	4,776	56.4
Abortions	189	981	1,074	1,253	1,196	1,229	1,372	1,594	1,662	1,314	1,428	16.9
Fetal deaths	40	48	50	47	47	42	58	50	64	52	61	0.7
AMERICAN INDIAN OR ALASKA NATIVE, total:	5,577	5,483	5,355	5,406	5,254	5,060	4,843	4,500	4,331	4,319	4,249	62.8
Births	5,476	5,145	4,984	5,030	4,866	4,709	4,462	4,087	3,906	4,010	3,902	57.7
Abortions	61	291	331	340	348	315	344	372	399	276	316	4.7
Fetal deaths	40	47	40	36	40	36	37	41	26	33	31	0.5
ASIAN OR PACIFIC ISLANDER, total:	3,589	3,720	3,774	3,960 [†]	3,941	3,838	3,786	3,541	3,568	3,553	3,714	52.2
Births	3,466	3,169	3,235	3,350	3,327	3,271	3,163	2,968	3,017	3,122	3,258	45.8
Abortions	110	534	532	608	598	552	612	550	530	413	429	6.0
Fetal deaths	13	17	7	*	16	15	11	23	21	18	27	0.4
ALL RACIAL/ETHNIC GROUPS^d, total:	98,762	99,914	98,027	98,060	94,481	93,373	92,675	90,444	92,280	90,256	91,074	62.9
Births	84,963	86,648	85,024	84,404	81,664	80,539	79,183	76,781	77,857	78,355	77,881	53.8
Abortions	13,254	12,747	12,479	13,170	12,336	12,362	13,003	13,186	13,896	11,407	12,705	8.8
Fetal deaths	545	519	524	486	481	472	489	477	527	494	488	0.3
Pregnancy rate, total:	76.8	77.0	74.7	74.3	70.7	68.9	67.2	65.5	65.9	63.3	62.9	
Fertility rate^e	66.0	66.7	64.8	63.9	61.1	59.4	57.4	55.6	55.6	55.0	53.8	
Abortion rate	10.3	9.8	9.5	10.0	9.2	9.1	9.4	9.6	9.9	8.0	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; ^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, 2013-2023

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	448	496	462	401	327	325	298	252	228	207	196	1.3
Births	373	352	344	291	225	217	218	167	157	149	131	0.8
Abortions	72	140	117	107	100	104	79	83	69	56	65	0.4
HISPANIC OR LATINO, total:	1,443	1,292	1,144	1,055	976	953	882	802	737	750	721	4.3
Births	1,291	1,138	1,000	909	837	812	733	672	587	591	576	3.4
Abortions	142	141	131	139	136	139	144	125	148	155	140	0.8
BLACK OR AFRICAN AMERICAN, total:	140	145	106	111	111	94	100	91	72	88	95	4.1
Births	128	107	78	84	76	61	77	57	46	64	64	2.8
Abortions	9	36	27	27	34	31	22	32	25	22	31	1.3
AMERICAN INDIAN OR ALASKA NATIVE, total:	260†	217	204	191	180†	147	147	128	132	80†	108	5.6
Births	251	205	184	178	171	141	130	116	115	76	100	5.2
Abortions	*	7	17	13	*	6	14	9	16	*	8	0.4
ASIAN OR PACIFIC ISLANDER, total:	20†	25	20†	20†	10†	10†	10†	10†	15	10†	10†	0.8
Births	13	14	17	12	7	10	7	11	7	7	7	0.5
Abortions	*	11	*	*	*	*	*	*	8	*	*	**
ALL RACIAL/ETHNIC GROUPS^d, total:	2,476	2,193	1,953	1,792	1,619	1,548	1,452	1,306	1,194	1,146	1,146	3.0
Births	2,056	1,816	1,623	1,474	1,316	1,241	1,165	1,023	912	887	878	2.3
Abortions	402	352	312	308	296	299	280	271	276	250	263	0.7
Pregnancy rate, total:	6.9	6.1	5.4	5.0	4.4	4.2	3.9	3.6	3.3	3.1	3.0	
Fertility rate^e	5.8	5.1	4.5	4.1	3.6	3.4	3.1	2.8	2.5	2.4	2.3	
Abortion rate	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.8	0.7	0.7	

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 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, 2013-2023

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	434	481	451	382	319	310	290	246	213	202	188	3.2
Births	365	344	339	283	224	213	214	166	147	148	127	2.2
Abortions	66	133	111	96	93	93	75	78	64	52	61	1.0
HISPANIC OR LATINO, total:	1,390	1,262	1,103	1,015	936	925	852	767	707	723	689	11.0
Births	1,244	1,115	972	877	816	795	711	650	566	570	556	8.9
Abortions	136	134	118	131	117	128	136	113	140	149	129	2.1
BLACK OR AFRICAN AMERICAN, total:	133	138	103	104	105	90	96	88	65	84	92	11.1
Births	122	102	77	81	71	60	73	56	43	60	62	7.5
Abortions	8	34	25	23	33	28	22	31	21	22	30	3.6
AMERICAN INDIAN OR ALASKA NATIVE, total:	250†	210†	193	178	170†	140†	136	123	124	80†	107	15.2
Births	243	196	177	167	163	134	124	112	108	69	99	14.1
Abortions	*	*	13	11	*	*	12	8	15	*	8	1.1
ASIAN OR PACIFIC ISLANDER, total:	10†	23	20†	20†	10†	10†	10†	10†	10†	10†	10†	2.1
Births	11	13	17	12	6	10	7	11	*	7	7	1.3
Abortions	*	10	*	*	*	*	*	*	7	*	*	**
ALL RACIAL/ETHNIC GROUPS^d, total:	2,385	2,125	1,887	1,707	1,554	1,491	1,401	1,256	1,131	1,101	1,101	7.8
Births	1,985	1,770	1,582	1,420	1,280	1,212	1,129	995	869	854	851	6.0
Abortions	382	330	287	277	267	271	265	251	257	238	246	1.7
Pregnancy rate, total:	18.0	16.1	14.1	12.6	11.3	10.8	10.2	9.3	8.3	7.9	7.8	
Fertility rate^e	15.0	13.4	11.8	10.5	9.3	8.8	8.2	7.4	6.4	6.1	6.0	
Abortion rate	2.9	2.5	2.1	2.0	1.9	2.0	1.9	1.9	1.9	1.7	1.7	

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, 2013-2023

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	1,602	1,759	1,562	1,433	1,248	1,170	1,043	1,000	915	842	835	20.2
Births	1,408	1,405	1,187	1,056	939	872	781	724	659	617	587	14.2
Abortions	185	348	371	369	300	292	256	276	249	218	243	5.9
HISPANIC OR LATINO, total:	3,175	3,078	2,764	2,668	2,537	2,377	2,308	2,234	2,190	2,126	2,091	49.5
Births	2,789	2,675	2,409	2,227	2,137	1,982	1,861	1,741	1,596	1,636	1,603	38.0
Abortions	367	390	336	425	390	389	437	486	582	479	478	11.3
BLACK OR AFRICAN AMERICAN, total:	397	345	294	320	339	278	305	293	280	268	241	41.0
Births	379	287	234	232	253	210	203	200	171	193	167	28.4
Abortions	14	54	58	86	83	65	98	92	102	70	72	12.3
AMERICAN INDIAN OR ALASKA NATIVE, total:	530 [†]	417	423	388	369	347	309	263	246	243	242	53.8
Births	524	397	385	362	348	322	280	226	227	218	212	47.2
Abortions	*	18	34	25	18	25	24	30	18	23	28	6.2
ASIAN OR PACIFIC ISLANDER, total:	70 [†]	67	72	61	79	62	62	41	43	40	47	12.6
Births	66	43	46	39	48	32	33	20	15	25	26	7.0
Abortions	*	24	25	22	31	30	28	20	28	15	21	5.6
ALL RACIAL/ETHNIC GROUPS^d, total:	6,239	5,731	5,168	4,932	4,633	4,281	4,073	3,874	3,718	3,556	3,491	35.8
Births	5,166	4,807	4,261	3,916	3,725	3,418	3,158	2,911	2,668	2,689	2,595	26.6
Abortions	1,039	897	877	989	883	847	889	947	1,023	842	876	9.0
Pregnancy rate, total:	64.8	65.2	58.4	55.0	50.9	46.6	42.8	40.7	39.3	37.0	35.8	
Fertility rate^e	53.6	54.7	48.2	43.7	41.0	37.2	33.2	30.6	28.2	28.0	26.6	
Abortion rate	10.8	10.2	9.9	11.0	9.7	9.2	9.3	9.9	10.8	8.8	9.0	

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 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, 2013-2023**

Race/ethnicity Pregnancy outcome	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023 Rates
WHITE^c NON-HISPANIC, total:	2,050	2,255	2,024	1,834	1,575	1,495	1,341	1,252	1,143	1,049	1,031	5.3
Births	1,781	1,757	1,531	1,347	1,164	1,089	999	891	816	766	718	3.7
Abortions	257	488	488	476	400	396	335	359	318	274	308	1.6
HISPANIC OR LATINO, total:	4,618	4,370	3,908	3,723	3,513	3,330	3,190	3,036	2,927	2,876	2,812	13.4
Births	4,080	3,813	3,409	3,136	2,974	2,794	2,594	2,413	2,183	2,227	2,179	10.4
Abortions	509	531	467	564	526	528	581	611	730	634	618	2.9
BLACK OR AFRICAN AMERICAN, total:	537	490	400	431	450	372	405	384	352	356	336	11.6
Births	507	394	312	316	329	271	280	257	217	257	231	8.0
Abortions	23	90	85	113	117	96	120	124	127	92	103	3.6
AMERICAN INDIAN OR ALASKA NATIVE, total:	787	634	627	579	546	495	453	391	378	325	350	14.7
Births	775	602	569	540	519	463	410	342	342	294	312	13.1
Abortions	8	25	51	38	23	31	38	39	34	28	36	1.5
ASIAN OR PACIFIC ISLANDER, total:	80†	92	92	77	89	74	73	55	58	52	58	3.3
Births	79	57	63	51	55	42	40	31	22	32	33	1.9
Abortions	*	35	28	26	34	32	32	23	36	20	25	1.4
ALL RACIAL/ETHNIC GROUPS^d, total:	8,715	7,924	7,121	6,724	6,252	5,829	5,525	5,180	4,912	4,702	4,637	9.7
Births	7,222	6,623	5,884	5,390	5,041	4,659	4,323	3,934	3,580	3,576	3,473	7.3
Abortions	1,441	1,249	1,189	1,297	1,179	1,146	1,169	1,218	1,299	1,092	1,139	2.4
Pregnancy rate, total:	19.2	17.8	15.9	14.9	13.7	12.6	11.9	11.2	10.6	10.0	9.7	
Fertility rate^e	15.9	14.9	13.1	12.0	11.1	10.1	9.3	8.5	7.8	7.6	7.3	
Abortion rate	3.2	2.8	2.7	2.9	2.6	2.5	2.5	2.6	2.8	2.3	2.4	

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, 2023
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	91,074	50†	1,100†	3,491	18,841	26,846	24,895	12,704	2,957	190†
	Births	77,881	27	851	2,595	14,878	23,138	22,326	11,373	2,527	164
	Abortions^b	12,705	17	246	876	3,879	3,582	2,439	1,248	394	24
	Fetal deaths	490†	*	*	20	84	126	130	83	36	*
White non Hispanic	Total pregnancies	36,043	10†	188	840†	5,681	10,660	11,208	6,012	1,346	100†
	Births	32,040†	*	127	587	4,640	9,521	10,381	5,513	1,171	90
	Abortions^b	3,830†	*	61	243	1,022	1,086	781	466	160	11
	Fetal deaths	170†	0	0	*	19	53	46	33	15	*
Hispanic or Latino	Total pregnancies	40,087	30†	690†	2,091	10,311	12,272	9,352	4,251	1,031	60†
	Births	33,909	20	556	1,603	8,153	10,545	8,334	3,766	881	51
	Abortions^b	6,011	11	129	478	2,122	1,689	979	461	136	6
	Fetal deaths	170†	*	*	10	36	38	39	24	14	*
Black or African American	Total pregnancies	6,270†	0†	92	240†	1,310	1,814	1,700	880	210†	10†
	Births	4,780†	*	62	167	925	1,372	1,313	744	183	8
	Abortions^b	1,430†	*	30	72	368	429	369	128	28	*
	Fetal deaths	60†	0	0	*	17	13	18	8	*	0
American Indian or Alaska Native	Total pregnancies	4,250†	0†	107	240†	1,055	1,099	1,068	570†	110†	0†
	Births	3,902	*	99	212	941	1,017	1,003	530	95	*
	Abortions^b	320†	0	8	28	108	74	57	30	11	0
	Fetal deaths	30†	0	0	*	6	8	8	*	*	0
Asian or Pacific Islander	Total pregnancies	3,714	0	10†	47	310	784	1,409	906	230†	10†
	Births	3,260†	0	7	26	219	683	1,295	820	197	11
	Abortions^b	429	0	*	21	91	93	105	78	34	*
	Fetal deaths	30†	0	0	0	0	8	9	8	*	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, 2023

Age	Population	PREGNANCIES BY OUTCOME			TOTAL PREGNANCIES	
		Live births	Abortions	Spontaneous fetal losses	Number	Rate
10	45,690	0	0	0	0	0.0
11	46,570	0	0	0	0	0.0
12	48,659	0	*	0	*	**
13	48,750	*	*	0	6	0.1
14	48,035	23	14	*	38	0.8
10-14	237,704	27	17	*	45	0.2
15	47,719	95	39	*	136	2.9
16	47,487	265	77	0	342	7.2
17	46,096	491	130	*	623	13.5
15-17	141,302	851	246	*	1,101	7.8
18	48,290	936	362	9	1,307	27.1
19	49,345	1,659	514	11	2,184	44.3
18-19	97,635	2,595	876	20	3,491	35.8
Total 10-19	476,641	3,470 [†]	1,140 [†]	30 [†]	4,640 [†]	9.7

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 Rates per 1,000 female population in specific group.



1B.

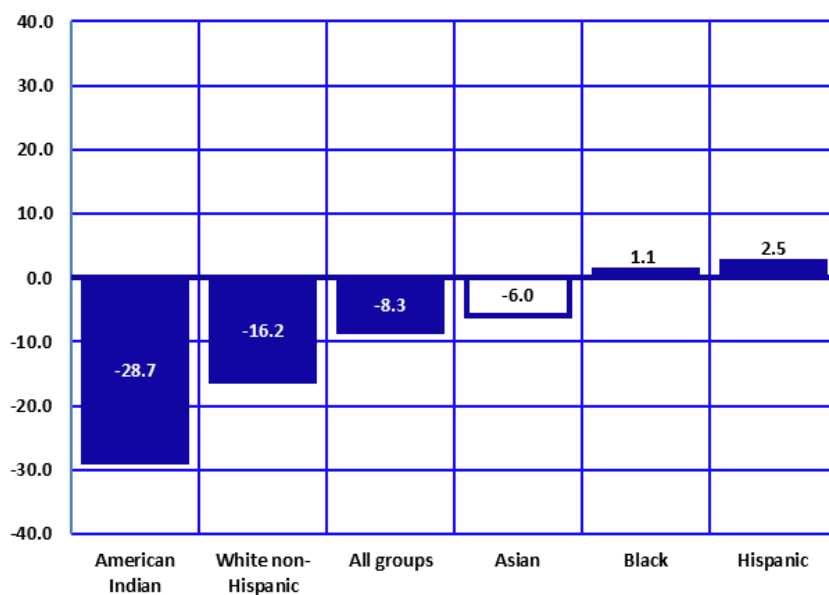
NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

From 2022 to 2023, the number of residents' births decreased by 0.6 percent from 78,355 (2022) to 77,881 (2023), representing a decrease of 474 births.

There were striking differences in how the number of births changed from 2013 to 2023 by mother's race/ethnicity. Compared to 2013, the number of births for all combined racial/ethnic groups was 8.3 percent lower in 2023. Taken separately, while the number of births rose by 1.1 percent for Black or African American mothers and 2.5 percent for Hispanic mothers between 2013 and 2023, the remaining racial/ethnic groups witnessed a decline in their birth counts, with American Indian women experiencing most of the decrease (28.7) during the period of time under consideration (**Figure 1B-1**).

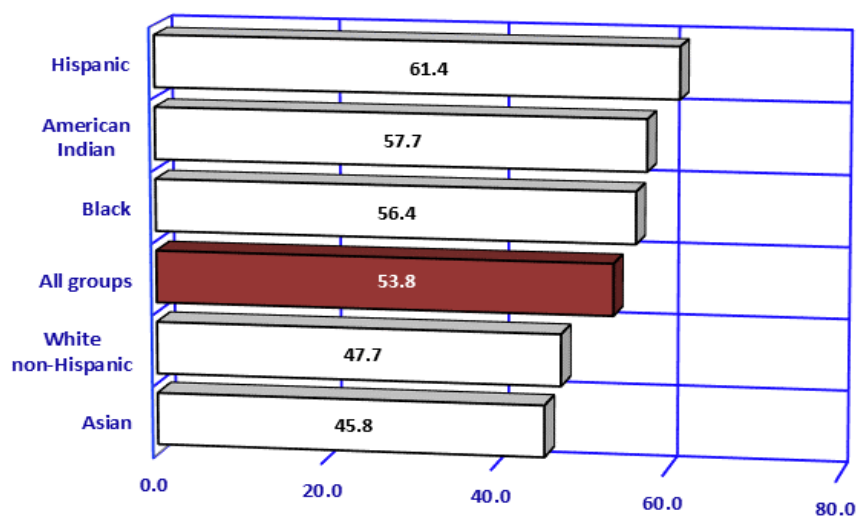
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-1
Percent Change from 2013 to 2023 in the Number of Resident Live Births by
Mother's Race/Ethnicity, Arizona



From 2013 to 2023, the number of resident live births declined by 8.3 percent (**Figure 1B-1**). Three of the five racial/ethnic groups experienced a decrease in the number of live births, with the exception of Blacks and Hispanics. The magnitude of the reduction in the number of births was the largest among American Indians (28.7 percent), White non-Hispanics (16.2 percent), and Asians (6.0 percent).

Figure 1B-2
General Fertility Rates^a by Race/Ethnicity among Females of all Ages,
Arizona, 2023



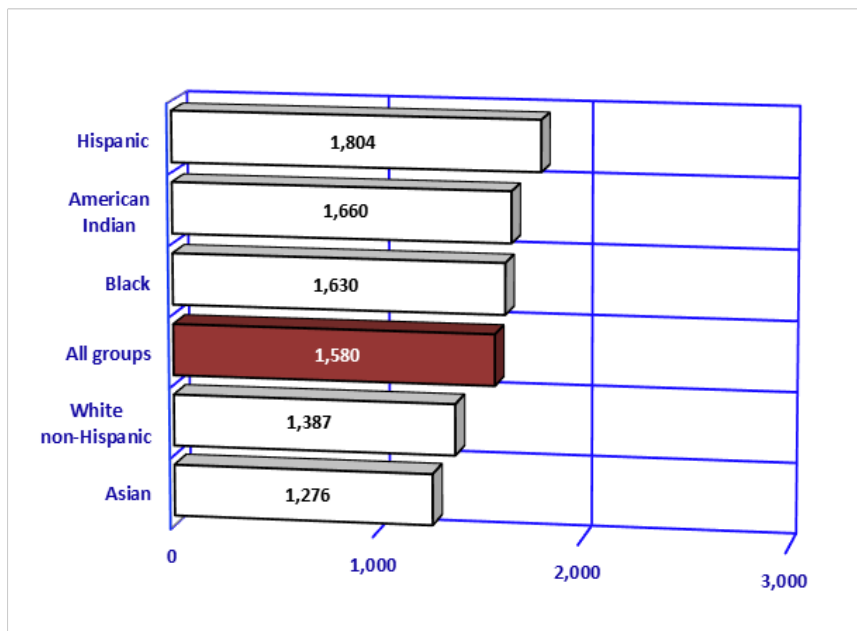
From among 1,446,984 women of childbearing age (15-44 years), 77,688 (99.8 percent) of 77,881 total births in 2023 were from mothers in this age group. The *general fertility rate* (the number of births per 1,000 women 15-44 years old GFR) was the highest for Hispanic females followed by American Indian 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.

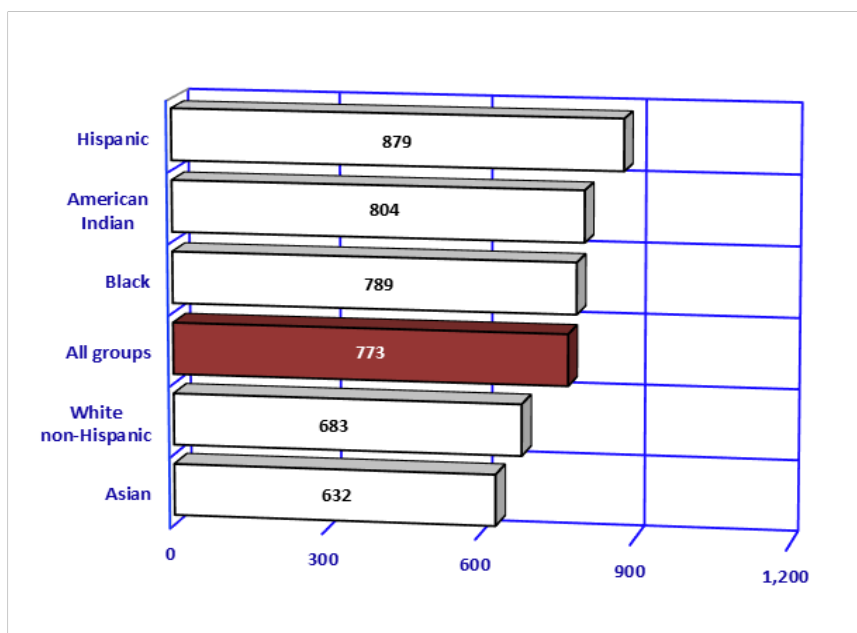
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-3
Total Fertility Rates^a by Race/Ethnicity, Arizona, 2023



Notes: ^a The sum of age group-specific birth rates multiplied by five (the number of years in the age group). The rate of 1,580 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 2023, they would have a total of 1,580 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, 2023



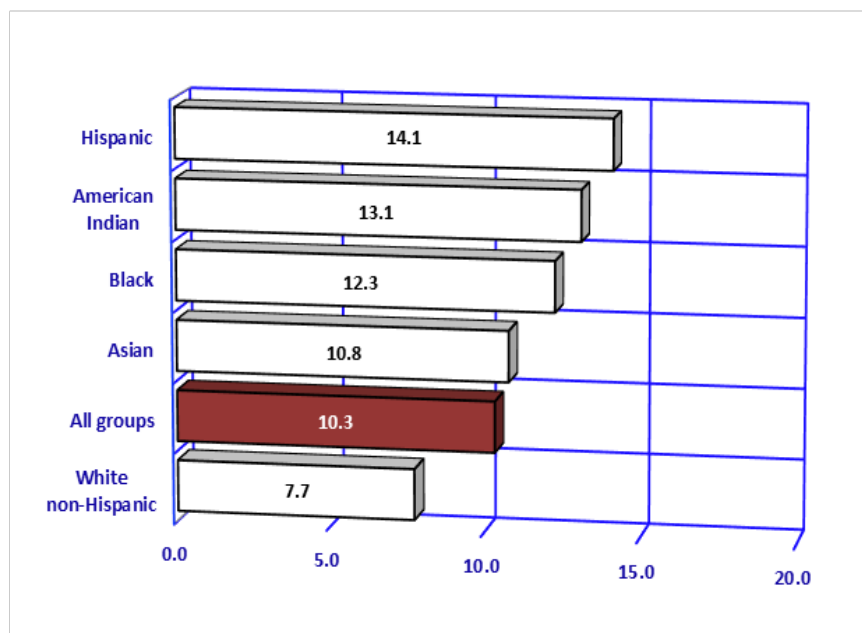
Notes: ^a The sum of birth rates by 5-year age groups multiplied by the proportion of births which were female. The gross reproduction rate represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years, and if none of the cohort was to die during their childbearing years.

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 1,981 births per 1,000 women of childbearing age in 2013, decreasing to 1,580 in 2023 (**Table 1B-1**). In 2023, The TFR for Hispanic women (1,804) was the highest of all racial/ethnic groups and was still 14.5 percent lower than the generation replacement rate. The rate for Asian women (1,276), the lowest of all groups, was 39.5 percent lower than the replacement rate.

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 2023, the gross reproduction rates in Arizona ranged from 632 for Asian women to 879 for Hispanic women (**Figure 1B-4**, **Table 1B-1**).

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

Figure 1B-5
Birth Rates^a by Race/Ethnicity, Arizona, 2023



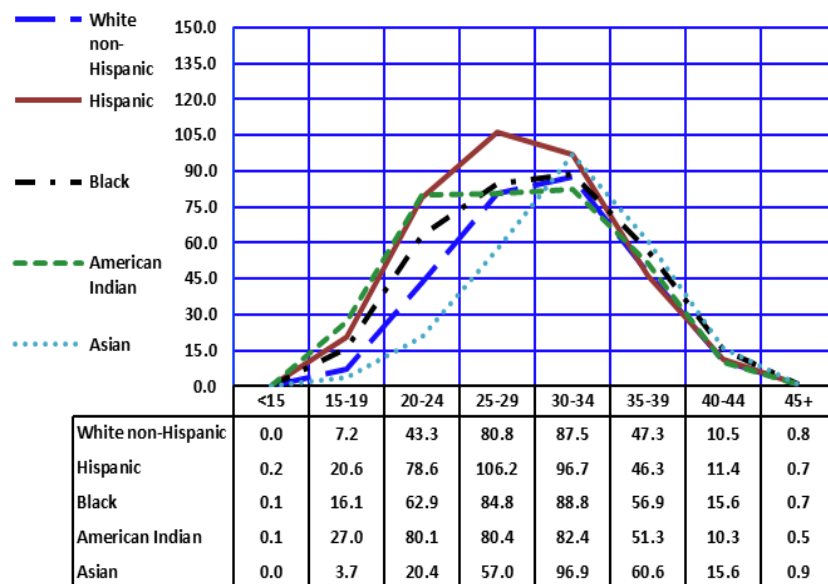
Note: ^a Number of births per 1,000 population in specified group.

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 10.6 in 2022 to 10.3 in 2023 (**Table 1B-1**).

In 2023, the crude birth rates by mother's race/ethnicity ranged from 7.7 births per 1,000 White non-Hispanics to 14.1 per 1,000 Hispanics (**Figure 1B-5**).

Figure 1B-6
Birth Rates^a by Mother's Age Group and Race/Ethnicity, Arizona, 2023



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

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 2023, 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 Asian, Hispanic, and Black, women and those between ages 35-39 were the highest among Asian and 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.

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Figure 1B-7
Percent of Births to Unmarried Mothers by Age Group, Arizona, 2023

Unmarried mothers have accounted for a large portion of births with more than 4 of every 10 births in Arizona (**Table 1B-2**). In 2023, 35,407 infants were born to unmarried mothers compared to 38,352 in 2013. 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.

In 2013, the proportion of births among unmarried women aged 20-24 years was 66.0 percent, while in 2023, approximately 72.0 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**).

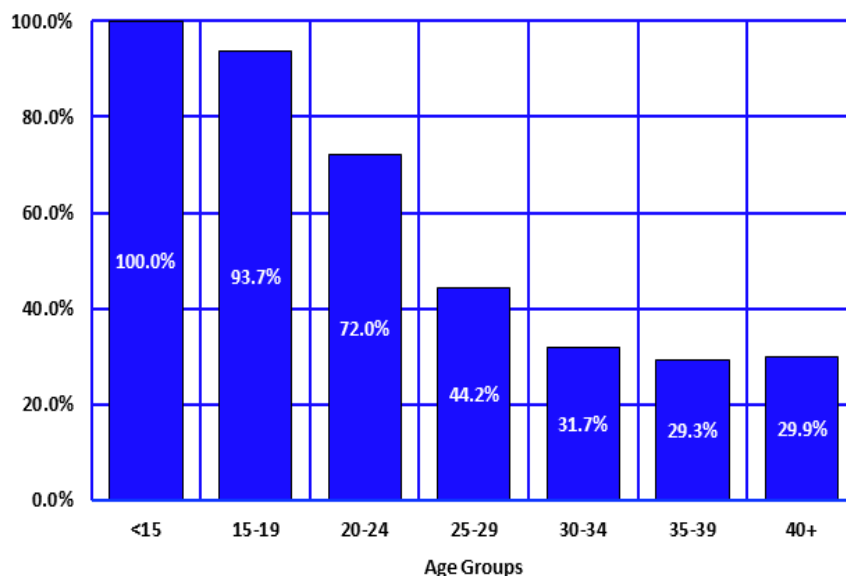
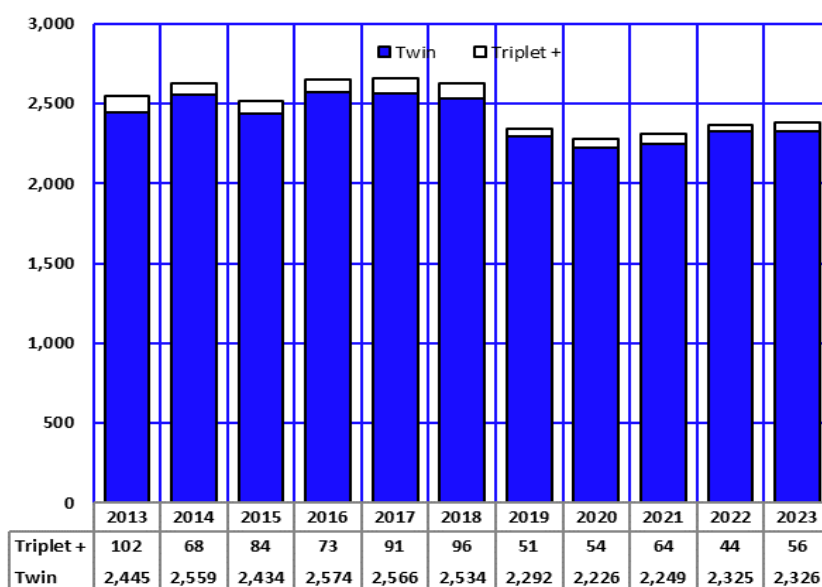


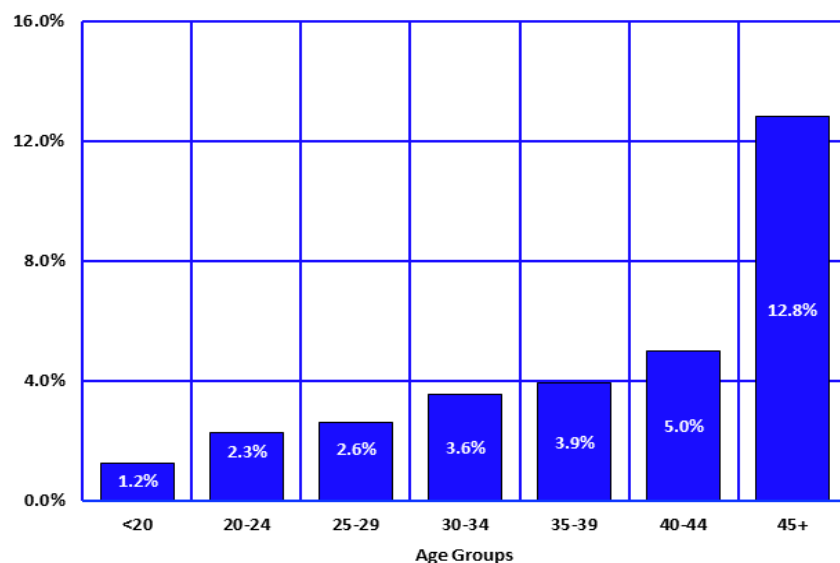
Figure 1B-8
Number of Births in Twin and Triplet+ Deliveries by Year, Arizona, 2013-2023

The number of multiple birth events in Arizona declined from 2,547 in 2013 to 2,382 in 2023 (**Figure 1B-8**). The number of babies born in twin deliveries decreased from 2,445 in 2013 to 2,326 in 2023 (**Figure 1B-8**). The number of triplets and higher order multiple birth events decreased by 45.1 percent from 102 in 2013 to 56 in 2023.



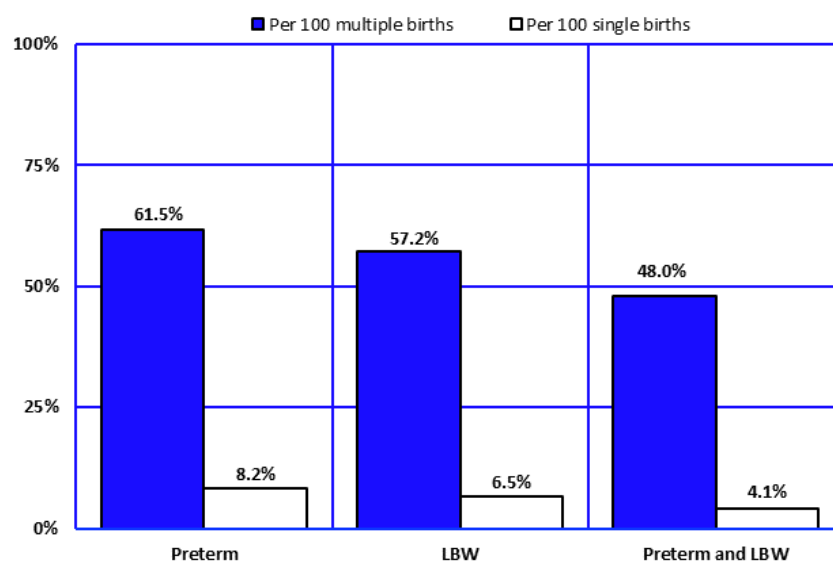
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-9
Multiple Births by Mother's Age Group, Arizona, 2023



In 2023, the proportion of multiple births gradually increased with maternal age among mothers below 40-44 years of age and then sharply increased among mothers age 45 years and older. Among women aged 45 years and older, 12.8 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, 5.1 percent in 2021 to 9.5 percent in 2022. 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, 2023



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 2023, infants born in multiple deliveries were 7.5 times more likely (61.5 vs. 8.2 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 61.5 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 2023, infants born at very low birth weight (<1,500 grams) accounted for 46.1 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.

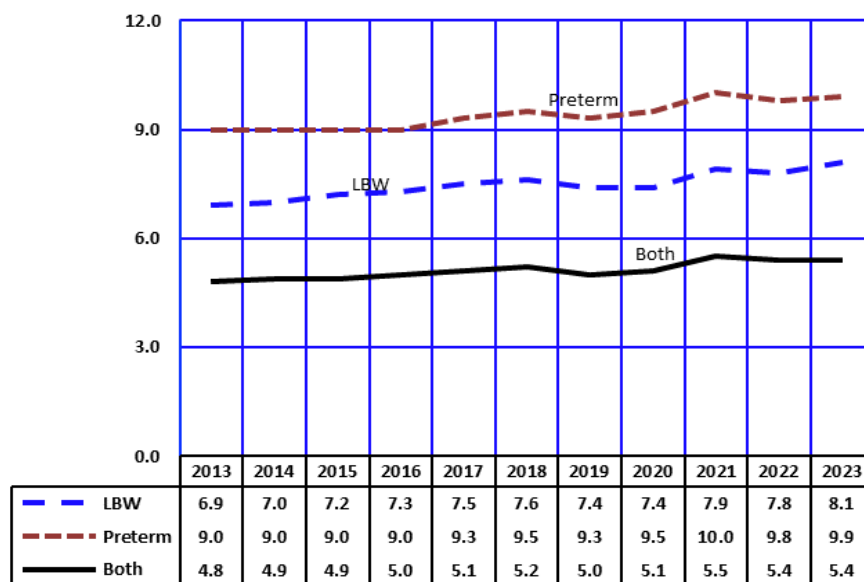
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-11
Preterm^a and Low Birthweight (LBW)^b Births by Year,
Arizona, 2013-2023

The proportion of preterm births reached 9.9 percent of all births in 2023, a slight increase from 9.8 percent in 2022.

The proportion of infants born prematurely and who were also low birth weight (LBW; at less than 2,500 grams) slightly decreased from 5.5/100 births in 2021 to 5.4/100 births in 2022 and 2023 (**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**).

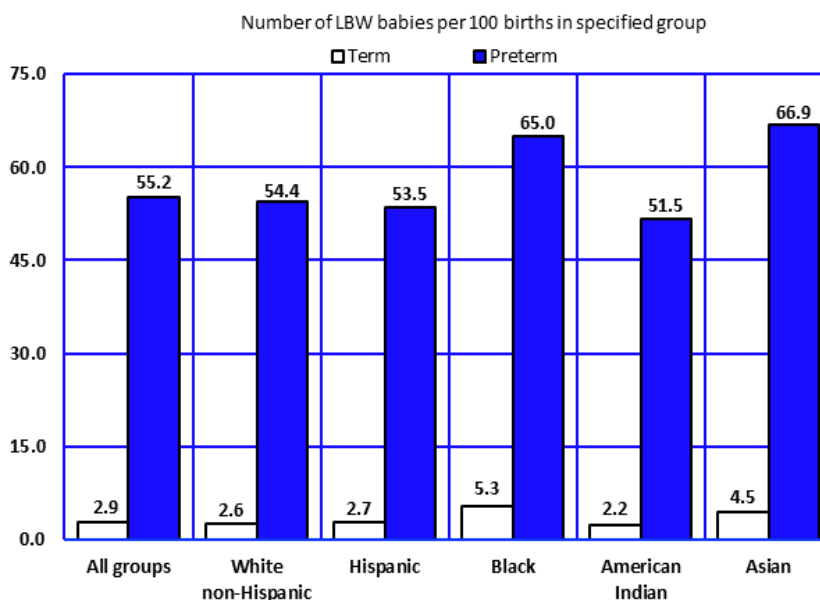


Notes: ^a Preterm: < 37 weeks of gestation; ^b Low birthweight (less than 2,500 grams or 5 pounds 8 ounces); In this report, the primary measure used to determine the gestational age is the clinical estimate of gestation as reported on the birth certificate.

Figure 1B-12
Low-Birthweight (LBW) Births by Length of Gestation and Mother's
Race/Ethnicity, Arizona, 2023

In 2023, 8.1 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 2013 (6.9 percent) (**Table 1B-2**). Preterm delivery is the strongest risk factor for LBW. Infants born at less than 37 completed weeks of gestation were 19.0 times (55.2 vs. 2.9 percent) more likely to be LBW than infants born at term (**Figure 1B-12**). Approximately, seven out of ten (67.5 percent) LBW babies born in 2023 were preterm (**Table 1B-3**).

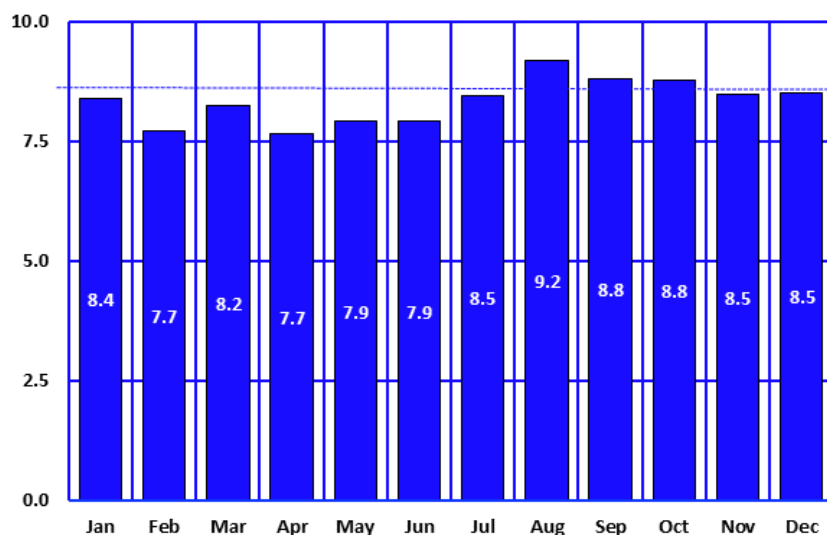
County-level data for LBW newborns are available in (**Tables 5B-16** – **5B-23**). Community level information is in (**Table 9A**).



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).

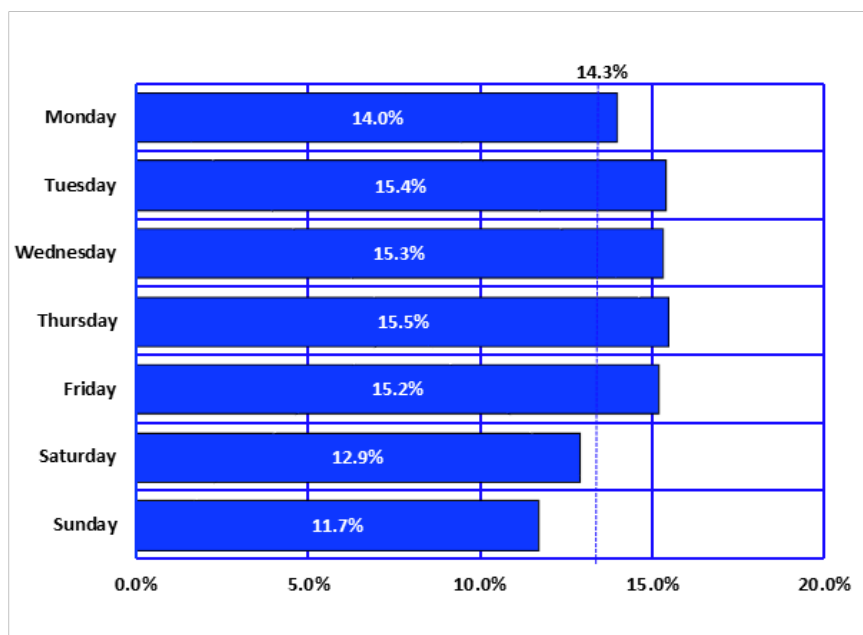
1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

Figure 1B-13
Percent of Resident Births by Month, Arizona, 2023



In 2023, monthly births in Arizona averaged around 8.3 percent. (**Figure 1B-13**). In 2023, the seasonal fluctuation of the frequency of births is marked by 2 raised peaks in August (9.2 percent), September and October (8.8 percent), compared to other months throughout the year.

Figure 1B-14
Percent of Resident Births by Day of the Week, Arizona, 2023



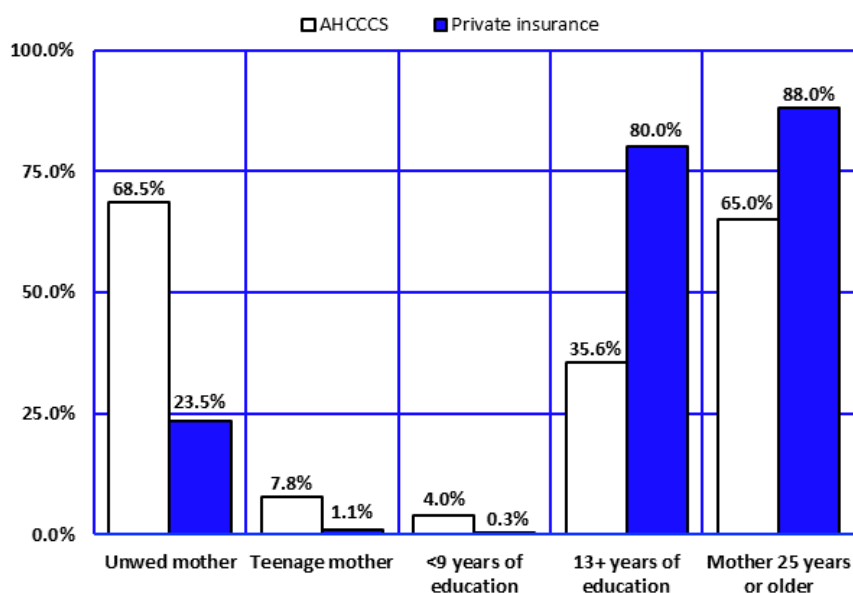
On average, 213 infants were born per day in 2023 to Arizona residents. The daily percent of resident live births in 2023 was substantially lower on weekends than on weekdays (**Figure 1B-14**). Many studies suggest that weekly, daily, and hourly variations observed in hospitals and clinics are not due 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 2023, only 8.7 percent of cesarean deliveries occurred on Sundays, compared to 15.7 percent on Mondays. The average rate of induction of labor was substantially lower on weekend days (12.7 percent) than it was on weekdays (14.9 percent).

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

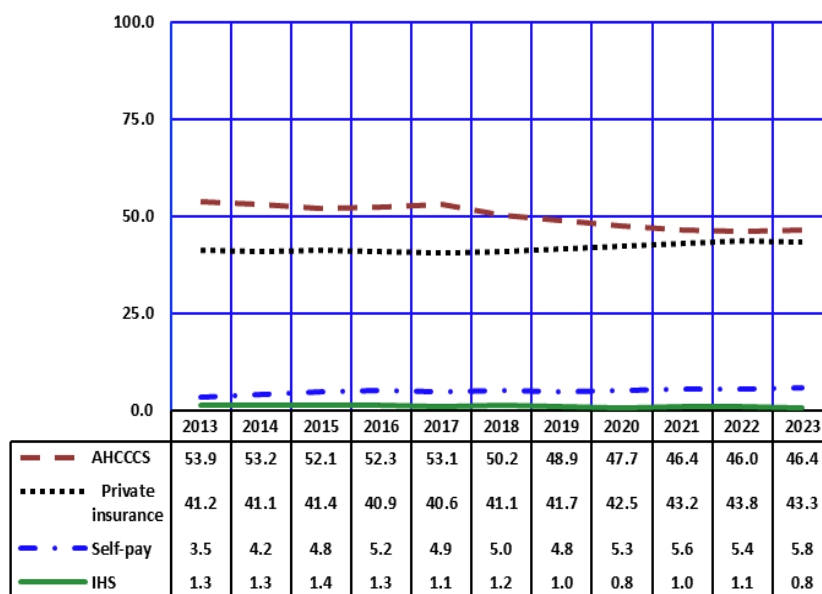
The number of years of maternal education was the only possible proxy of socioeconomic status (SES) on the birth certificate prior to 1989. Paying party for the delivery became another SES indicator in 1989. The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid Program) versus 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 (80.0 and 35.6 percent respectively, **Figure 1B-15**). Mothers recipient AHCCCS were more likely to be unmarried (68.5%) than their counterparts with PHI. Nine out of ten mothers with PHI were at least 25 years old compared to 7 out of 10 AHCCCS mothers.

Figure 1B-15
Comparison of Selected Sociodemographic Characteristics by the Payer for Delivery, Arizona, 2023



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

Figure 1B-16
Births by Payer and Year, Arizona, 2013-2023

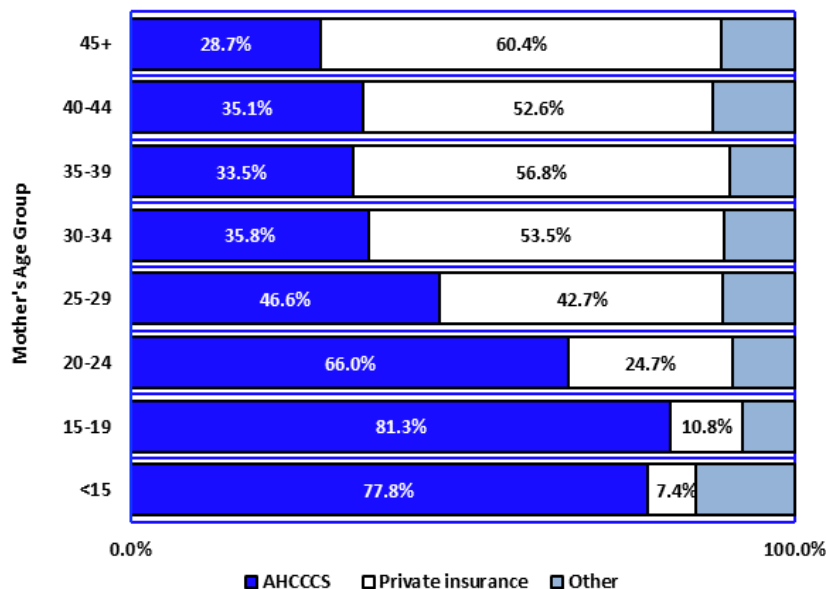


Since 2002, the share of resident births paid for by AHCCCS has exceeded the share paid by private health insurance (**Figure 1B-16**). In 2013, private insurance funded 41.2 percent of births and AHCCCS paid for 53.9 percent of births. The share of AHCCCS funded births varied little from 2013 to 2023. The share of private health insurance also remained stable during this time period. In 2023, the proportion of births paid by AHCCCS decreased 13.9 percent, while the percent of births paid by a private insurance increased 5.1 percent. In 2023, 5.8 percent of births were paid by mothers themselves and/or their families (i.e. self-pay). The Indian Health Service (IHS) paid for 0.8 percent of the births in 2023, a slight decrease from last year (**Table 1B-25 and Table 1B-27**).

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

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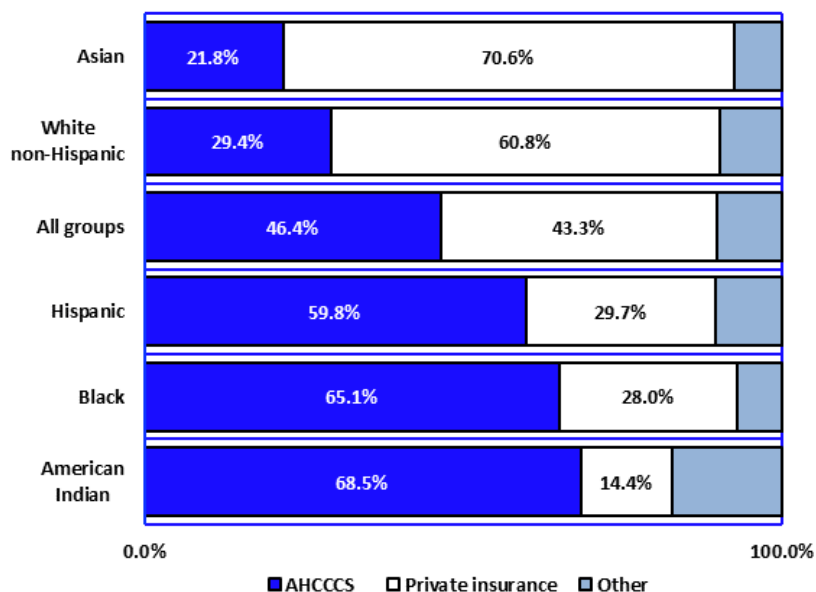
Figure 1B-17
Payer for Delivery by Mother's Age Group, Arizona, 2023



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

In 2023, 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 2023 (based on data in **Table 1B-28**).

Figure 1B-18
Payer for Delivery by Mother's Race/Ethnicity, Arizona, 2023



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

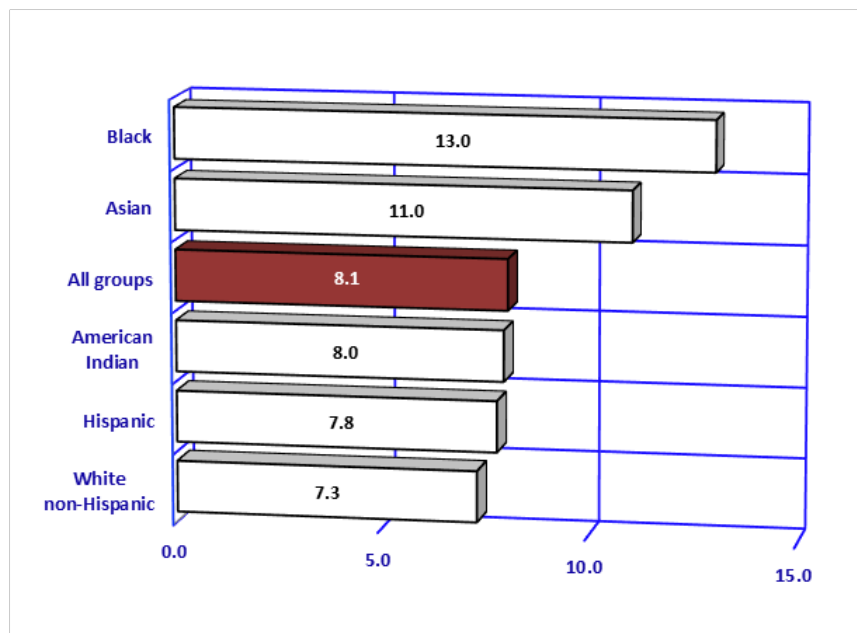
In 2023, private insurance was the largest payer for deliveries of Asian (70.6 percent) and White non-Hispanic infants (60.8 percent). In contrast, the Arizona Health Care Cost Containment System was the largest payer for deliveries of American Indian (68.5 percent), Black or African American (65.1 percent), and Hispanic or Latino infants (59.8 percent).

The Indian Health Service as a payer accounted for 14.8 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 56.0 percent of the 36,160 deliveries paid for by AHCCCS. About 26.0 percent of all AHCCCS births were to White non-Hispanic women (based on data in **Table 1B-27**).

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Figure 1B-19
Percent of Low Birthweight^a by Mother's Race/Ethnicity,
Arizona Residents, 2023

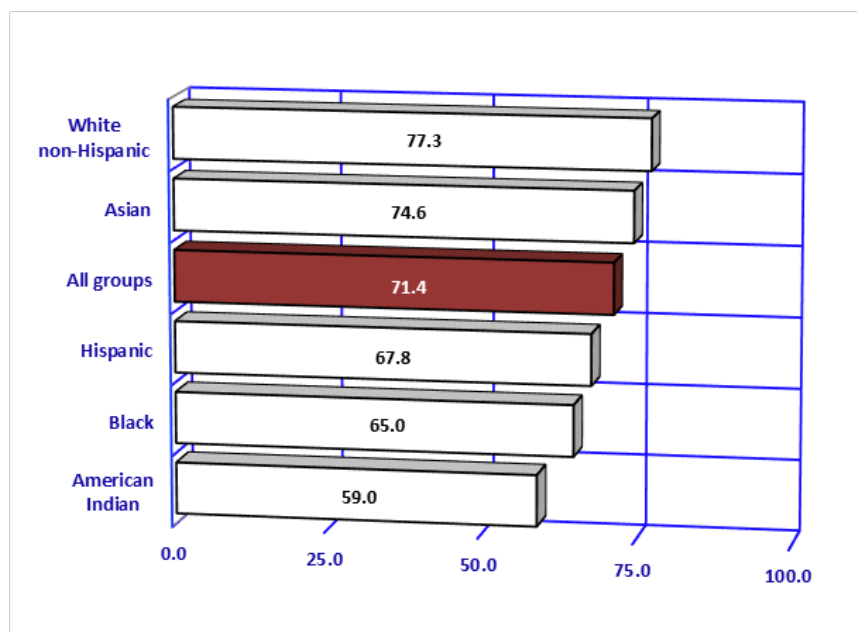


Note: ^a Low birthweight is less than 2,500 grams (less than 5 pounds 8 ounces).

The percent of Arizona mothers giving birth who received early prenatal care (i.e., in the first trimester) has decreased from 2013 (81.3 percent) to 2023 (71.4 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 2014-2023 may be attributable for the most part to differences in reporting. Starting in 2014, prenatal care beginning in the first trimester has been minimally increasing from a low of 66.0 percent in 2014 to a high of 71.7 in 2021.

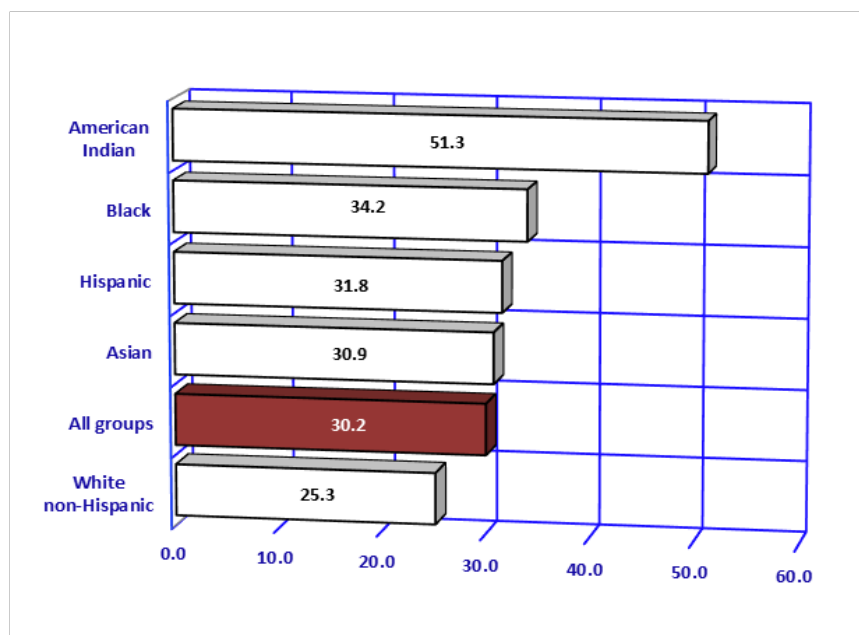
In Arizona, American Indian, Black or African American, and Hispanic or Latino mothers were least likely to begin prenatal care in the first trimester (**Figure 1B-20**). White non-Hispanic and Asian or Pacific Islander mothers were more likely to report timely entry to prenatal care than any other racial/ethnic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

Figure 1B-20
First Trimester Prenatal Care by Mother's Race/Ethnicity,
Arizona Residents, 2023



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

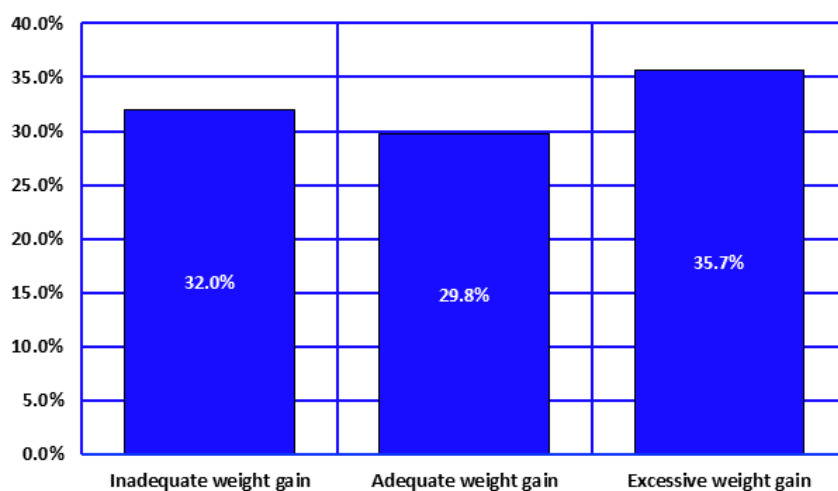
Figure 1B-21
Maternal Medical Risk Factors^a by Mother's Race/Ethnicity, Arizona, 2023



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 2023, with exception to White non-Hispanic 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, 2023



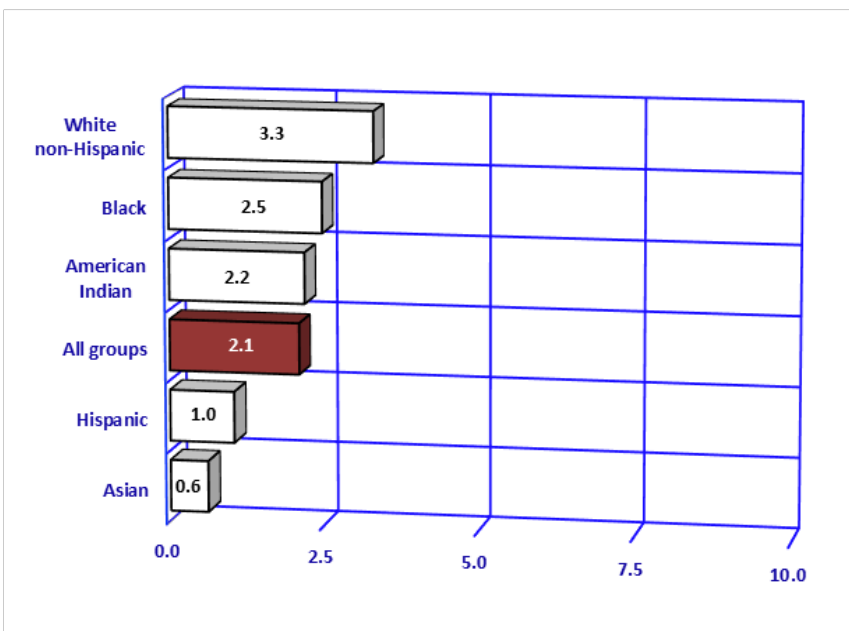
Maternal weight gain during pregnancy is a determinant of both fetal growth and birthweight. Insufficient or excessive weight gain during pregnancy can negatively influence outcomes of both mother and infant. Based on the [Maternal Infant Health](#) guidelines, women who are of normal weight (body mass 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 2023, 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, 2023

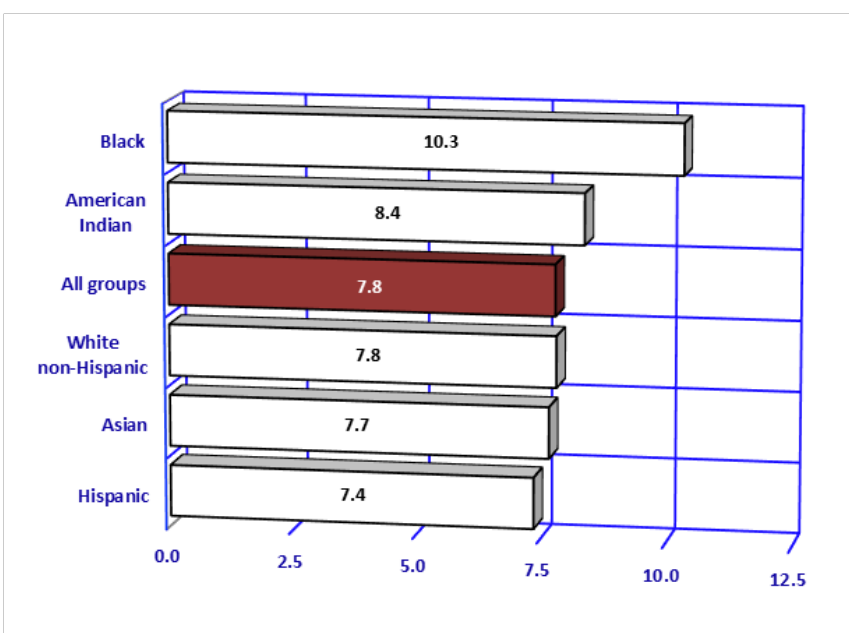
Cigarette smoking during pregnancy has been associated with reduced infant weight at birth, intrauterine growth retardation, and preterm births. Smoking during pregnancy was reported by 2.1 percent of women giving birth in 2023 (**Table 1B-25, Table 5B-30**), compared to 10.5 percent in 1989, when this 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, 2023

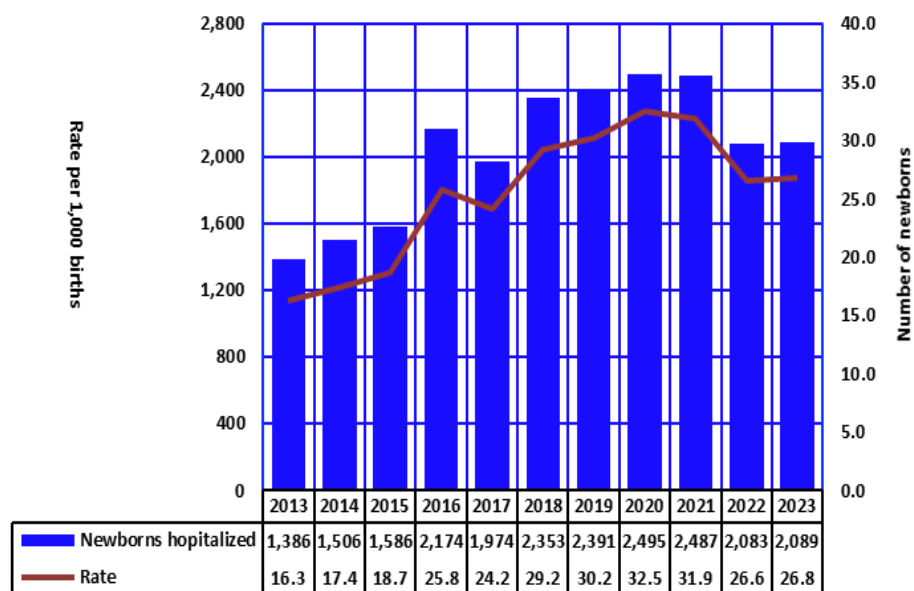
In 2023, 6,075 or 7.8 percent of newborns were admitted to newborn intensive care units (NICUs). The proportion of NICU admissions differed among racial/ethnic groups. Black or African American, and American Indian, newborns had the highest rates of NICU admissions compared to the other racial/ethnic groups (**Table 1B-25**). Prematurity, i.e., gestational age before 37 weeks lead to more NICU admissions (56.5 percent) than did LBW (47.6 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

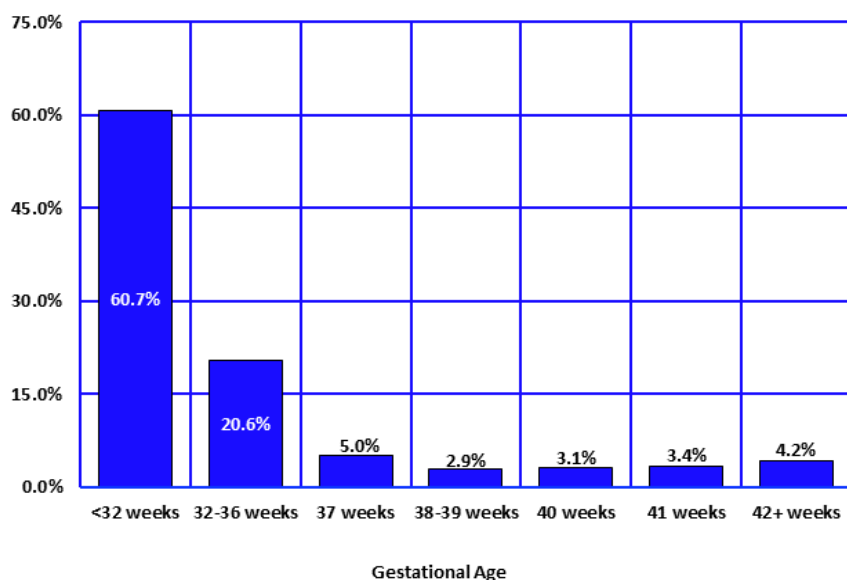
Figure 1B-25
Newborns Who Were Hospitalized after Birth because They Were Affected
by Maternal Use of Drugs during Pregnancy, Arizona, 2013-2023



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 16.3/1,000 in 2013 to 26.8/1,000 in 2023.

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

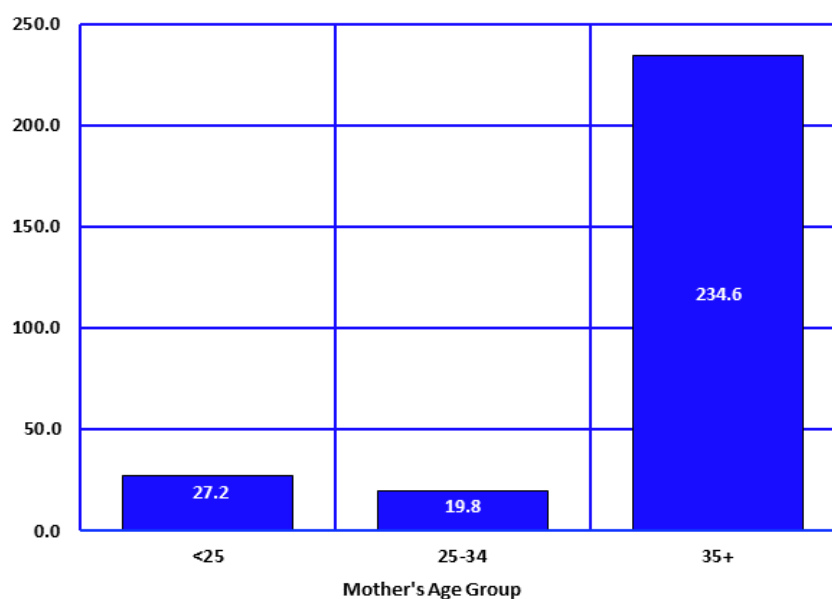
Figure 1B-26
Abnormal Conditions of the Newborn by Gestational Age, Arizona, 2023



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, 2023



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 2023 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 234.6 cases of Down's Syndrome per 100,000 births to women 35 years or older was 8.6 times greater than the incidence rate of 27.2 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, 2013-2023

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
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
2022	AZ	10.6	55.0	1,613	791	0.1	15.1	62.7	92.8	92.7	47.0	11.2	0.8
	U.S.	11.0	56.0	1,657	N/A	0.2	13.6	57.5	93.5	97.5	55.3	12.6	1.1
2023	AZ	10.3	53.8	1,580	773	0.1	14.4	60.0	89.7	91.1	48.5	11.4	0.7
	U.S.	10.7	54.5	1,621	N/A	0.2	13.1	57.7	91.0	94.3	54.3	12.5	1.1

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 2023 TFR of 1,580 can be interpreted at the individual level as the average number of children a female resident would have by age 50 ($1,580/1000 = 2$ live births) if she were subjected throughout her life to the age-specific birth rates observed in 2023.

^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 2013-2023.

^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, 2013-2023
(ALL RACE/ETHNIC GROUPS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	84,963	86,648	85,024	84,404	81,664	80,539	79,183	76,781	77,857	78,355	77,881
Age of mother											
≤19 years	8.5	7.6	6.9	6.4	6.2	5.8	5.5	5.1	4.6	4.6	4.5
≥30 years	37.2	38.8	39.3	40.2	40.9	42.0	42.6	43.9	44.9	45.8	46.7
Marital status											
Unmarried	45.1	44.7	45.3	44.8	44.4	44.6	45.0	45.0	45.2	44.9	45.5
Mother's education											
<9 years	3.8	3.7	3.5	3.2	3.1	3.0	2.8	2.5	2.3	2.3	2.5
Mother's race/ethnicity											
White ^b	45.0	46.3	44.9	44.7	43.7	43.3	43.1	43.1	43.5	41.9	41.1
Hispanic	38.9	38.9	40.3	40.1	40.6	41.0	41.1	41.5	41.5	42.9	43.5
Black	5.6	5.2	5.1	5.2	5.6	5.8	6.1	6.2	6.2	6.2	6.1
American Indian	6.4	5.9	5.9	6.0	6.0	5.8	5.6	5.3	5.0	5.1	5.0
Asian	4.1	3.7	3.8	4.0	4.1	4.1	4.0	3.9	3.9	4.0	4.2
Prenatal care begin											
1 st Trimester	81.3	66.0	67.9	68.9	68.3	68.8	68.9	68.8	71.7	71.5	71.4
3 rd Trimester	3.6	5.3	5.5	5.8	5.7	6.2	6.8	6.7	6.1	5.7	6.0
No Care	1.4	2.1	2.2	2.4	2.9	2.8	2.6	2.5	2.5	2.3	2.4
Prenatal visits											
1-4	3.8	4.4	4.4	4.6	4.6	5.0	5.6	5.4	4.8	4.7	4.7
≥5	94.7	92.1	92.2	91.5	90.8	90.9	89.9	90.2	91.7	91.5	91.9
≥9	81.2	77.6	77.0	76.0	75.6	74.5	72.4	72.0	74.8	74.6	75.3
≥13	34.8	30.7	30.4	29.9	31.2	31.0	29.2	29.2	30.4	30.0	30.7
Medical risk/											
Complications^c	55.5	34.5	39.0	40.7	42.7	44.2	46.9	49.1	50.2	50.3	52.0
Gestational age^d											
Preterm (<37 weeks)	9.0	9.0	9.0	9.0	9.3	9.5	9.3	9.5	10.0	9.8	9.9
Birth weight											
<2,500 grams	6.9	7.0	7.2	7.3	7.5	7.6	7.4	7.4	7.9	7.8	8.1
<1,500 grams	1.1	1.2	1.1	1.2	1.2	1.2	1.1	1.1	1.3	1.2	1.3
Child's sex											
Male	51.4	51.3	51.3	50.9	50.8	51.2	51.2	50.9	51.2	51.0	51.1
Female	48.6	48.7	48.7	49.1	49.2	48.8	48.8	49.1	48.8	49.0	48.9
Plurality											
Multiple births	3.0	3.0	3.0	3.1	3.3	3.3	3.0	3.0	3.0	3.0	3.1
Caesarean delivery	27.8	27.7	27.5	27.5	26.8	27.5	27.8	28.4	28.7	28.6	29.0
Place of delivery											
Hospital ^e	98.7	98.5	98.5	98.3	98.3	98.2	98.3	97.9	97.5	97.4	97.4
Attendant at birth											
Midwife ^f	7.4	10.2	11.8	12.8	13.5	13.1	13.9	13.6	13.1	13.4	13.7
Previous live births											
1 or more	63.6	64.0	64.3	64.8	64.4	64.2	63.9	63.1	63.0	62.1	61.5

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 corrections.

^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, 2013-2023
(ALL RACE/ETHNIC GROUPS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	5,849	6,069	6,093	6,186	6,109	6,106	5,829	5,650	6,140	6,113	6,284
Age of mother											
≤19 years	8.9	7.8	7.8	7.0	7.1	6.5	5.7	5.6	5.3	5.4	5.3
≥30 years	37.9	40.9	42.0	42.4	43.0	46.3	45.6	46.7	49.2	48.8	50.5
Marital status											
Unmarried	51.3	49.1	47.5	48.2	49.6	49.8	50.0	50.2	51.1	51.0	50.3
Mother's education											
<9 years	4.2	3.8	3.5	3.7	3.0	3.0	2.9	2.8	2.6	2.5	2.8
Mother's race/ethnicity											
White ^b	42.0	44.7	41.7	41.8	41.0	40.3	40.0	39.8	39.9	38.5	37.3
Hispanic	37.6	37.0	38.8	38.8	38.3	38.9	39.0	39.2	40.0	40.1	42.1
Black	8.9	8.8	8.8	8.5	9.4	9.4	10.2	10.8	10.6	10.3	9.9
American Indian	6.7	5.2	6.0	5.9	6.2	6.1	6.1	5.2	5.0	5.7	4.9
Asian	4.7	4.2	4.8	5.1	5.2	5.2	4.7	5.0	4.5	5.4	5.7
Prenatal care began											
1st Trimester	78.9	63.6	65.0	66.0	65.9	64.2	64.5	65.4	66.8	68.5	67.4
3rd Trimester	3.4	4.1	3.9	4.5	4.0	4.8	4.9	5.3	4.5	4.3	4.2
No Care	2.9	4.8	5.2	5.0	5.6	6.9	6.7	5.6	5.9	5.3	5.3
Prenatal visits											
1-4	8.2	8.6	9.4	9.5	9.4	10.2	11.4	11.5	10.0	10.1	9.9
≥5	88.5	84.8	83.1	82.6	82.3	79.6	78.9	80.0	82.2	82.3	83.0
≥9	66.4	60.4	58.1	57.4	56.1	52.1	51.9	51.7	53.5	53.8	54.7
≥13	27.7	22.1	20.2	20.1	21.3	20.1	19.1	18.4	19.8	19.1	19.6
Medical risks/ Complications^c	72.5	58.9	60.0	62.0	65.1	68.7	68.5	70.5	70.0	70.4	72.3
Gestational age^d											
Preterm (<37 weeks)	70.2	69.4	68.8	68.7	67.8	69.2	68.5	69.3	70.2	68.7	67.5
Birth weight											
<1,500 grams	15.8	16.8	16.0	16.3	15.8	16.1	15.5	15.6	16.0	15.3	15.7
<1,000 grams	7.4	8.4	7.4	8.0	7.7	7.8	7.2	7.8	7.7	7.2	7.6
Child's sex											
Male	49.3	47.7	47.4	48.0	46.9	47.2	48.0	47.9	46.8	47.1	46.8
Female	50.7	52.3	52.6	52.0	53.1	52.8	52.0	52.1	53.2	52.9	53.2
Plurality											
Multiple births	24.4	23.7	22.5	23.9	22.8	24.6	22.7	22.4	21.3	19.8	21.7
Caesarean delivery	47.6	47.4	48.6	48.4	47.0	49.1	50.1	50.1	51.8	49.8	51.6
Place of delivery											
Hospital ^e	99.7	99.7	99.5	99.4	99.3	99.6	99.4	99.3	99.5	99.2	99.1
Attendant at birth											
Midwife ^f	2.7	9.5	10.5	11.0	12.3	11.8	12.9	12.6	11.9	11.9	12.8
Previous live births											
1 or more	60.5	61.4	60.9	61.0	60.7	61.8	61.2	59.8	61.1	58.3	59.1

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 corrections.

^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, 2013-2023
(URBAN REGIONS)^b

Characteristic		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births		73,493	74,677	73,547	72,899	70,780	69,890	68,797	66,845	67,950	68,504	68,153
Age of mother	≤19 years	8.2	7.3	6.6	6.1	5.8	5.5	5.2	4.9	4.3	4.3	4.2
	≥30 years	38.4	40.0	40.6	41.2	42.0	43.1	43.5	44.8	45.9	46.6	47.6
Marital status	Unmarried	44.1	43.6	44.1	43.7	43.2	43.4	43.9	44.0	44.2	43.9	44.6
Mother's education	<9 years	4.0	3.9	3.7	3.5	3.2	3.1	3.0	2.6	2.5	2.4	2.6
Mother's race/ethnicity	White ^c	44.3	45.7	44.5	44.0	43.1	42.6	42.2	42.2	42.3	40.8	40.1
	Hispanic	41.3	41.3	42.5	42.5	43.0	43.2	43.4	43.7	43.7	44.9	45.5
	Black	6.2	5.9	5.8	5.9	6.3	6.5	6.9	6.9	6.9	6.9	6.9
	American Indian	3.7	3.1	3.1	3.2	3.1	3.2	3.1	3.0	2.8	3.0	3.0
Prenatal care began	Asian	4.5	4.0	4.2	4.4	4.5	4.4	4.4	4.2	4.2	4.3	4.6
	1st Trimester	82.1	66.6	68.3	69.4	68.7	69.5	69.9	69.4	72.5	72.1	72.0
	3rd Trimester	3.5	5.2	5.3	5.6	5.4	6.1	6.6	6.5	5.9	5.6	5.8
Prenatal visits	No care	1.3	2.1	2.1	2.3	2.8	2.6	2.3	2.3	2.4	2.2	2.3
	1-4	3.5	4.0	4.1	4.3	4.2	4.7	5.3	5.2	4.5	4.5	4.5
	≥5	95.1	92.4	92.6	91.9	91.2	91.5	90.5	90.7	92.3	91.7	92.3
	≥9	82.3	78.7	78.2	77.1	76.7	75.6	73.2	72.8	75.8	75.3	76.1
Medical risks/complications^d	≥13	35.3	31.1	31.0	30.1	31.7	31.7	29.8	29.8	31.2	30.6	31.4
		56.1	34.5	39.4	41.4	43.1	44.7	47.5	49.7	50.8	50.8	52.5
Gestational age^e	Preterm (<37 weeks)	9.1	9.1	9.0	9.0	9.2	9.5	9.3	9.4	10.0	9.8	9.9
Birth weight	<2,500 grams	6.8	7.0	7.1	7.2	7.4	7.6	7.3	7.3	7.8	7.7	8.1
	<1,500 grams	1.1	1.2	1.1	1.2	1.2	1.2	1.1	1.1	1.3	1.2	1.3
Child's sex	Male	51.4	51.3	51.3	51.0	50.7	51.1	51.3	50.8	51.1	51.0	51.1
	Female	48.6	48.7	48.7	49.0	49.3	48.9	48.7	49.2	48.9	49.0	48.9
Plurality	Multiple births	3.1	3.1	3.0	3.2	3.3	3.3	3.0	3.0	3.0	3.1	3.1
Caesarean delivery		28.1	28.1	27.9	27.7	27.2	27.7	28.0	28.8	29.0	29.0	29.4
Place of delivery	Hospital ^f	98.7	98.7	98.6	98.4	98.4	98.3	98.4	98.0	97.6	97.6	97.6
Attendant at birth	Midwife ^g	6.3	10.1	12.1	13.0	13.8	13.1	14.1	13.6	13.2	13.6	13.8
Previous live births	1 or more	63.4	63.7	64.0	64.6	64.0	63.9	63.6	62.7	62.5	61.7	61.1
Number of LBW births		5,013	5,232	5,199	5,270	5,224	5,277	5,030	4,886	5,326	5,291	5,535
Age of mother	≤19 years	8.8	7.3	7.4	6.3	6.9	6.1	5.8	5.4	5.2	5.1	5.3
	≥30 years	39.3	42.0	43.6	44.2	44.1	47.5	46.3	47.6	50.2	49.5	51.3
Marital status	Unmarried	50.8	48.3	49.5	47.1	48.4	48.1	49.0	49.1	50.3	50.1	50.2
Mother's education	<9 years	4.3	4.0	3.6	3.9	3.2	3.2	3.0	2.8	2.7	2.5	2.9
Mother's race/ethnicity	White ^c	40.9	43.3	40.4	41.1	40.2	39.9	38.9	38.5	38.4	37.2	35.9
	Hispanic	39.8	39.4	41.3	40.8	40.6	40.7	41.2	41.0	41.9	41.9	43.8
	Black	10.2	9.9	10.0	9.7	10.8	10.5	11.6	12.1	12.1	11.6	11.1
	American Indian	4.0	2.7	3.0	2.8	2.7	3.2	3.0	2.8	2.8	3.4	3.1
Prenatal care began	Asian	5.1	4.6	5.3	5.7	5.6	5.7	5.2	5.6	4.8	5.9	6.2
	1st Trimester	79.8	63.8	66.0	66.8	66.7	65.2	66.0	66.4	67.8	69.8	68.0
	3rd Trimester	3.3	4.1	3.8	4.3	3.8	4.7	4.8	5.1	4.3	4.1	4.0
Prenatal visits	No care	2.7	4.9	4.8	4.3	5.3	6.2	5.7	5.3	5.8	5.1	5.2
	1-4	7.8	8.4	8.9	8.6	8.7	9.7	11.0	11.6	9.6	9.9	9.6
	≥5	89.1	84.8	84.1	84.0	83.3	81.0	80.1	80.6	83.0	82.8	83.7
	≥9	67.7	60.8	59.6	58.6	57.7	53.7	52.7	52.4	54.2	54.9	55.2
Medical risks/complications^d	≥13	28.4	22.6	20.6	20.6	21.8	21.0	19.3	18.5	20.3	19.6	20.1
		73.7	59.0	60.0	61.7	65.3	68.3	68.6	70.2	70.0	70.8	72.3
Gestational age^e	Preterm (<37 weeks)	70.8	70.7	69.5	69.5	67.7	69.6	68.4	70.0	71.1	69.0	68.1
Birth weight	<1,500 grams	15.9	17.0	16.0	16.6	15.7	16.0	15.3	15.4	16.4	15.5	15.7
	<1,000 grams	7.6	8.6	7.7	8.2	7.9	7.7	7.3	7.7	7.9	7.4	7.6
Child's sex	Male	49.2	48.1	47.8	48.3	46.8	46.9	48.2	48.3	47.1	46.9	46.7
	Female	50.8	51.9	52.2	51.7	53.2	53.1	51.8	51.7	52.9	53.1	53.3
Plurality	Multiple births	25.2	24.3	23.4	24.6	23.9	25.4	23.0	22.7	21.6	20.2	22.1
Caesarean delivery		48.0	48.3	49.2	48.8	47.5	49.4	50.5	50.7	52.3	50.6	52.3
Place of delivery	Hospital ^f	99.8	99.8	99.7	99.6	99.5	99.8	99.4	99.4	99.5	99.3	99.2
Attendant at birth	Midwife ^g	2.2	9.5	10.6	11.0	12.3	11.9	13.2	12.4	11.9	12.3	12.8
Previous live births	1 or more	60.0	61.4	60.6	61.0	60.2	61.4	60.3	59.8	60.4	57.6	58.6

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 corrections.

^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, 2013-2023
(RURAL REGIONS)^b

Characteristic		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births		11,470	11,955	11,467	11,502	10,873	10,640	10,368	9,881	9,810	9,798	9,708
Age of mother	≤19 years	10.6	9.8	9.0	8.5	8.3	7.5	6.9	6.7	6.5	6.2	6.2
	≥30 years	29.4	31.3	30.9	33.4	33.9	34.7	36.2	37.6	38.1	40.1	40.4
Marital status	Unmarried	52.0	51.7	53.0	51.8	52.8	52.3	52.2	51.6	52.5	51.9	51.6
Mother's education	<9 years	2.4	2.3	1.9	1.8	1.9	1.9	1.7	1.8	1.5	1.9	1.8
Mother's race/ethnicity	White ^c	49.1	49.8	47.7	49.3	47.5	47.9	48.7	49.3	51.2	49.0	48.6
	Hispanic	24.0	24.2	26.4	25.3	25.1	26.3	26.3	26.9	26.1	28.4	29.7
	Black	1.3	0.9	0.9	1.0	1.1	1.0	1.0	1.2	1.2	1.1	0.8
	American Indian	24.0	23.5	23.6	23.2	24.7	23.2	22.6	20.9	20.2	19.9	19.3
Prenatal care began	Asian	1.7	1.5	1.4	1.2	1.6	1.6	1.4	1.7	1.4	1.5	1.6
	1st Trimester	76.3	62.5	64.8	65.4	65.4	64.0	62.4	64.3	66.7	67.1	67.4
	3rd Trimester	4.1	6.3	6.7	7.3	7.3	7.1	8.0	7.6	7.1	6.6	6.9
Prenatal visits	No care	2.2	1.9	3.0	3.0	3.1	4.1	4.1	3.3	3.1	3.1	2.7
	1-4	5.6	6.6	6.2	7.0	7.4	7.0	7.3	6.9	6.7	5.6	6.4
	≥5	92.0	90.5	89.9	89.1	88.5	86.9	85.9	86.8	88.3	90.1	89.8
	≥9	73.8	71.1	69.5	69.1	68.4	67.3	66.6	66.4	68.3	69.5	69.7
Medical risks/complications^d	≥13	31.7	28.3	26.7	28.4	28.2	26.4	25.0	25.4	25.4	25.7	25.2
		51.8	34.1	36.7	37.8	39.8	41.3	43.1	45.2	46.2	47.4	48.8
Gestational age^e	Preterm (<37 weeks)	8.7	8.3	8.9	9.1	9.6	9.3	9.4	9.5	10.1	9.7	9.5
Birth weight	<2,500 grams	7.3	7.0	7.8	8.0	8.1	7.8	7.7	7.7	8.2	8.3	7.7
	<1,500 grams	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.1	1.2	1.2
Child's sex	Male	51.3	51.1	51.0	50.3	51.6	51.9	50.7	51.4	51.5	50.7	50.4
	Female	48.7	48.9	49.0	49.7	48.4	48.1	49.3	48.6	48.5	49.3	49.6
Plurality	Multiple births	2.4	2.5	2.6	2.9	2.9	2.7	2.7	2.8	2.7	2.6	2.5
Caesarean delivery		25.8	25.2	25.0	26.2	24.6	26.1	25.8	25.7	26.0	26.0	26.3
Place of delivery	Hospital ^f	98.2	97.7	97.6	97.3	97.1	97.4	97.6	97.1	96.7	96.2	96.2
Attendant at birth	Midwife ^g	14.2	10.7	10.2	11.3	11.2	13.1	12.8	13.9	13.0	12.1	12.8
Previous live births	1 or more	64.8	66.0	65.8	66.3	67.1	66.5	65.8	65.3	65.7	65.1	63.8
Number of LBW births		836	835	891	916	884	827	799	758	803	816	744
Age of mother	≤19 years	9.7	11.3	10.3	10.6	8.6	9.1	5.0	7.1	6.0	7.8	4.8
	≥30 years	29.9	34.5	32.8	32.3	36.5	38.8	40.7	40.6	42.8	44.6	45.0
Marital status	Unmarried	54.2	53.9	57.1	54.3	56.3	60.5	55.9	57.9	56.8	56.6	51.2
Mother's education	<9 years	3.0	2.3	2.5	2.3	1.9	1.6	2.3	3.0	1.7	2.3	2.2
Mother's race/ethnicity	White ^c	49.2	53.5	49.2	46.0	45.7	43.0	46.7	48.0	49.1	47.2	47.7
	Hispanic	24.4	22.0	24.2	27.4	24.5	27.7	25.3	27.7	27.4	28.3	29.8
	Black	1.4	2.2	1.5	1.6	0.9	2.2	1.6	2.0	1.4	1.7	1.2
	American Indian	22.8	20.7	23.2	23.5	26.6	24.8	25.2	21.0	19.7	20.7	18.7
Prenatal care began	Asian	2.2	1.6	1.9	1.5	2.3	2.3	1.3	1.3	2.5	2.1	2.6
	1st Trimester	74.0	62.5	59.5	61.6	61.4	58.2	55.3	59.4	61.0	60.3	63.0
	3rd Trimester	4.2	4.0	5.1	5.6	5.0	5.3	5.1	6.5	5.5	5.6	5.2
Prenatal visits	No care	4.1	4.0	7.3	8.7	7.2	11.2	12.4	7.4	6.2	6.4	5.6
	1-4	10.3	9.7	12.2	14.3	13.1	13.3	13.5	10.6	13.0	11.0	12.1
	≥5	84.7	84.9	77.6	74.7	77.0	70.9	71.1	76.8	77.5	79.8	78.5
	≥9	58.9	58.2	49.5	50.0	46.9	41.5	46.4	48.2	49.1	46.9	51.5
Medical risks/complications^d	≥13	23.3	19.2	17.8	17.6	18.8	14.1	17.8	17.4	17.1	15.6	16.1
		65.4	58.0	59.9	63.9	63.6	70.9	68.0	72.2	70.4	68.3	72.2
Gestational age^e	Preterm (<37 weeks)	66.6	61.0	65.2	63.6	67.9	66.5	68.8	64.2	64.4	66.1	63.7
Birth weight	<1,500 grams	15.7	15.3	10.0	14.7	16.4	17.0	16.3	16.5	13.6	14.2	15.3
	<1,000 grams	6.3	7.1	5.7	6.7	6.7	8.6	6.6	8.2	6.1	5.5	7.1
Child's sex	Male	50.0	45.0	44.6	46.4	47.9	49.0	47.1	45.6	45.2	48.8	47.0
	Female	50.0	55.0	55.4	53.6	52.1	51.0	52.9	54.4	54.8	51.2	53.0
Plurality	Multiple births	19.5	20.2	17.5	19.8	16.5	19.2	20.9	20.3	19.2	17.6	18.3
Caesarean delivery		45.5	42.3	45.2	46.0	44.3	47.2	47.6	46.0	48.4	44.7	46.8
Place of delivery	Hospital ^f	99.2	99.0	98.4	98.1	98.0	98.8	99.5	98.8	99.1	98.4	98.3
Attendant at birth	Midwife ^g	5.7	9.2	9.7	10.7	11.9	11.4	10.6	13.9	12.0	8.9	12.5
Previous live births	1 or more	63.3	61.1	62.3	61.0	63.7	64.1	66.8	59.9	65.5	62.7	63.0

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 corrections.

^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, 2013-2023
(WHITE NON-HISPANIC MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	38,220	40,097	38,180	37,762	35,685	34,909	34,118	33,101	33,851	32,792	32,036
Age of mother											
≤19 Years	4.7	4.4	4.0	3.6	3.3	3.1	2.9	2.7	2.4	2.3	2.2
≥30 Years	43.2	45.1	45.6	47.0	48.0	49.2	49.3	51.1	52.2	52.7	53.5
Marital status											
Unmarried	30.3	31.1	31.5	31.3	30.7	31.1	31.3	31.1	30.5	30.2	30.5
Mother's education											
<9 years	0.8	0.7	0.8	0.6	0.8	0.7	0.7	0.7	0.7	0.8	0.8
Prenatal care began											
1st Trimester	87.4	71.7	73.2	74.7	74.6	75.7	75.8	75.1	77.3	76.9	77.3
3rd Trimester	2.0	3.5	3.7	3.9	4.2	4.3	4.8	4.7	4.5	4.1	4.4
No Care	0.7	1.1	1.3	1.4	1.6	1.6	1.5	1.5	1.7	1.7	1.6
Prenatal visits											
1-4	2.1	2.6	2.7	2.8	3.1	3.2	3.7	3.6	3.2	3.1	2.9
≥5	97.1	94.8	94.5	94.0	93.8	94.0	92.6	92.6	94.0	93.8	94.5
≥9	87.2	83.7	83.2	82.2	82.0	81.5	78.8	77.8	80.3	80.1	80.9
≥13	41.9	36.6	36.2	35.5	37.3	36.8	33.1	32.5	33.2	33.2	34.7
Medical risks/ Complications^b	55.1	32.8	35.4	37.9	39.7	40.3	43.3	45.4	46.4	46.9	49.2
Gestational Age^c											
Preterm (<37 weeks)	8.4	8.6	8.6	8.5	8.6	8.9	8.7	8.9	9.5	9.2	9.1
Birth weight											
<2,500 grams	6.4	6.8	6.6	6.8	7.0	7.1	6.8	6.8	7.2	7.2	7.3
<1,500 grams	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.0	1.1	1.0	1.1
Child's sex											
Male	51.3	51.3	51.6	50.9	50.7	51.5	51.7	50.6	51.5	50.9	50.8
Female	48.7	48.7	48.4	49.1	49.3	48.5	48.3	49.4	48.5	49.1	49.2
Plurality											
Multiple births	3.6	3.7	3.4	3.8	3.9	3.7	3.5	3.4	3.3	3.4	3.2
Caesarean delivery	28.4	28.8	28.1	28.0	27.2	27.4	27.8	28.3	28.5	28.2	28.2
Place of delivery											
Hospital ^d	97.6	97.4	97.2	96.9	96.9	96.8	97.0	96.4	95.8	95.5	95.3
Attendant at birth											
Midwife ^e	6.5	12.6	14.1	15.1	15.6	15.4	16.4	16.1	15.9	16.1	16.1
Previous live births											
1 or more	60.5	60.9	61.5	62.2	61.7	62.0	61.3	60.6	61.1	59.3	59.1

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 corrections.

^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, 2013-2023
(WHITE NON-HISPANIC MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	2,459	2,715	2,538	2,585	2,507	2,463	2,331	2,248	2,449	2,355	2,345
Age of mother											
≤19 years	5.2	4.8	5.5	4.3	4.4	3.7	3.3	2.9	3.2	3.7	3.0
≥30 years	42.5	47.5	47.8	49.5	49.9	54.1	50.6	52.7	55.0	53.6	54.8
Marital status											
Unmarried	36.9	37.9	39.9	35.8	37.5	37.0	39.3	37.6	37.8	38.2	37.4
Mother's education											
<9 years	1.6	1.1	0.9	0.8	0.7	1.0	0.9	1.0	1.3	0.8	1.2
Prenatal care began											
1st Trimester	83.9	69.4	71.1	70.9	71.5	70.8	69.5	71.6	70.7	73.4	72.2
3rd Trimester	2.2	3.2	3.0	3.8	3.7	3.8	3.9	4.3	3.3	3.4	3.6
No Care	1.6	3.4	3.9	3.6	3.8	5.0	4.4	4.4	5.5	4.4	4.2
Prenatal visits											
1-4	5.6	6.0	7.8	7.0	8.0	8.7	8.6	9.1	8.1	8.1	7.5
≥5	92.4	88.7	85.3	86.0	85.5	82.8	83.0	82.9	84.2	85.3	86.5
≥9	70.6	67.4	64.3	63.5	61.1	57.3	56.6	55.9	57.0	57.8	59.0
≥13	33.0	28.4	24.0	25.3	25.5	24.8	21.4	20.3	21.1	20.8	21.4
Medical risks/ Complications^b	75.2	60.4	58.6	62.3	64.5	67.5	64.8	69.1	68.1	67.8	69.5
Gestational age^c											
Preterm (<37 weeks)	70.7	68.7	70.0	69.4	66.5	70.8	67.8	70.2	71.6	69.9	67.3
Birth weight											
<1,500 grams	15.3	16.4	8.8	15.6	13.6	15.1	14.2	14.9	14.5	14.4	15.1
<1,000 grams	6.9	7.3	6.3	7.0	6.1	7.2	5.8	7.1	6.3	6.0	7.1
Child's sex											
Male	49.3	47.0	46.7	45.9	45.8	46.7	48.8	45.4	46.6	45.7	44.4
Female	50.7	53.0	53.3	54.1	54.2	53.3	51.2	54.6	53.4	54.3	55.6
Plurality											
Multiple births	29.7	30.3	27.2	30.6	27.3	30.1	27.5	27.4	24.5	24.5	24.2
Caesarean delivery	49.5	52.2	52.2	52.3	49.3	51.1	51.6	53.5	53.4	51.8	53.5
Place of delivery											
Hospital ^d	99.6	99.5	99.3	99.2	99.0	99.4	99.3	99.0	99.3	99.2	98.7
Attendant at birth											
Midwife ^e	1.7	11.4	11.9	12.8	13.3	14.0	14.5	16.1	14.8	13.9	15.1
Previous live births											
1 or more	56.8	58.8	56.5	59.1	57.1	59.9	57.4	57.3	58.4	54.8	57.4

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 corrections.

^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, 2013-2023
(HISPANIC OR LATINO MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	33,075	33,715	34,264	33,874	33,191	32,995	32,575	31,859	32,288	33,584	33,909
Age of mother											
≤19 years	12.3	11.3	9.9	9.3	9.0	8.5	8.0	7.6	6.8	6.6	6.4
≥30 years	30.6	31.9	32.3	32.5	33.3	33.6	34.5	35.7	36.1	37.4	38.4
Marital status											
Unmarried	57.1	56.1	56.2	55.8	55.1	54.7	55.0	55.0	56.2	55.5	56.2
Mother's education											
<9 years	7.6	7.5	6.7	6.2	5.5	5.3	5.0	4.5	4.0	3.8	4.1
Prenatal care began											
1st Trimester	76.2	60.5	63.6	63.9	63.4	63.8	64.2	64.4	68.1	68.3	67.8
3rd Trimester	5.0	6.9	6.9	7.4	6.8	7.7	8.4	8.1	7.2	6.9	7.0
No Care	2.1	3.2	3.0	3.4	4.1	3.7	3.4	3.2	3.1	2.7	3.0
Prenatal visits											
1-4	4.8	5.4	5.3	5.6	5.3	6.1	6.7	6.3	5.6	5.4	5.7
≥5	93.0	90.2	90.9	89.9	88.8	89.0	88.5	88.9	90.7	90.6	90.7
≥9	77.0	73.5	73.0	72.0	71.6	70.3	68.6	68.8	71.8	71.8	72.2
≥13	29.0	26.2	26.1	25.8	26.8	26.9	26.7	27.1	28.6	28.1	27.7
Medical risks/ Complications^b	54.6	34.2	40.0	41.6	43.0	45.2	47.6	50.4	51.6	51.0	52.2
Gestational age^c											
Preterm (<37 weeks)	9.3	9.2	9.0	9.2	9.3	9.5	9.2	9.3	9.6	9.6	10.0
Birth weight											
<2,500 grams	6.6	6.7	6.9	7.1	7.0	7.2	7.0	7.0	7.6	7.3	7.8
<1,500 grams	1.1	1.1	1.1	1.2	1.3	1.3	1.1	1.1	1.3	1.1	1.2
Child's sex											
Male	51.3	51.3	50.9	50.9	50.6	51.1	50.7	51.0	50.9	51.2	51.3
Female	48.7	48.7	49.1	49.1	49.4	48.9	49.3	49.0	49.1	48.8	48.7
Plurality											
Multiple births	2.4	2.2	2.4	2.5	2.6	2.8	2.2	2.5	2.6	2.7	2.9
Caesarean delivery	26.7	26.1	26.3	26.3	25.6	26.7	26.9	27.3	27.9	28.2	28.8
Place of delivery											
Hospital ^d	99.6	99.5	99.5	99.4	99.3	99.3	99.3	99.2	99.0	98.9	98.9
Attendant at birth											
Midwife ^e	5.9	7.4	9.8	10.9	11.8	11.4	12.1	11.5	10.7	11.4	11.6
Previous live births											
1 or more	67.0	67.4	67.1	67.7	66.8	65.9	65.7	64.8	64.0	63.5	62.8

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 corrections.

^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, 2013-2023
(HISPANIC OR LATINO MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	2,199	2,247	2,364	2,400	2,339	2,378	2,276	2,215	2,455	2,452	2,646
Age of mother											
≤19 years	12.9	11.7	10.9	9.9	10.0	9.3	8.1	8.2	7.2	7.3	7.4
≥30 years	31.7	33.0	35.4	35.0	34.7	37.2	39.9	39.9	41.8	41.4	43.5
Marital status											
Unmarried	61.5	58.1	58.5	58.4	58.4	58.8	56.0	58.1	59.7	58.7	58.7
Mother's education											
<9 years	7.2	7.4	6.4	7.0	5.6	5.1	5.1	5.1	3.7	4.1	4.5
Prenatal care began											
1st Trimester	74.8	59.3	60.3	62.2	61.9	60.6	62.6	61.8	65.3	65.6	64.9
3rd Trimester	3.8	4.9	4.4	5.0	4.9	5.6	6.1	5.6	5.1	5.1	4.5
No Care	4.2	5.8	5.6	6.1	7.1	7.4	7.3	7.1	6.2	5.3	5.5
Prenatal visits											
1-4	9.5	10.5	9.5	10.7	10.7	10.8	13.3	12.8	10.4	11.3	11.5
≥5	85.9	82.2	83.4	80.7	79.9	78.8	77.3	78.1	82.1	81.5	81.8
≥9	63.7	55.2	54.0	52.2	52.5	48.9	49.6	48.0	51.1	51.2	52.5
≥13	24.1	16.3	15.7	16.3	17.2	16.5	17.4	16.7	18.7	17.9	17.9
Medical risks											
Complications^b	70.3	57.1	61.1	61.0	65.2	69.2	70.7	71.2	70.4	70.8	72.9
Gestational age^c											
Preterm (<37 weeks)	71.5	72.0	69.4	68.6	69.9	70.0	69.7	69.4	69.5	69.5	68.3
Birth weight											
<1,500 grams	16.7	16.6	16.2	16.3	17.9	17.4	15.9	15.3	16.5	15.5	15.9
<1,000 grams	8.0	8.9	7.7	8.1	9.1	8.3	7.9	7.9	8.7	7.5	7.7
Child's sex											
Male	49.9	49.3	48.3	50.5	48.2	49.0	48.5	50.1	47.3	48.1	48.9
Female	50.1	50.7	51.7	49.5	51.8	51.0	51.5	49.9	52.7	51.9	51.1
Plurality											
Multiple births	21.3	18.0	18.4	19.5	20.9	21.6	19.1	19.4	19.4	18.0	20.9
Caesarean delivery	46.5	42.9	45.3	45.4	44.5	48.0	49.2	46.0	50.6	48.4	49.7
Place of delivery											
Hospital ^d	99.8	99.9	99.7	99.5	99.5	100.0	99.6	99.5	99.7	99.3	99.5
Attendant at birth											
Midwife ^e	2.5	7.0	9.1	9.6	11.3	10.3	11.6	10.1	9.2	10.5	10.3
Previous live births											
1 or more	63.4	63.7	64.0	63.1	63.1	62.8	63.4	60.3	62.3	59.3	60.5

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 corrections.

^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, 2013-2023
(BLACK OR AFRICAN AMERICAN MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	4,726	4,522	4,361	4,388	4,595	4,655	4,865	4,766	4,795	4,847	4,776
Age of mother											
≤19 years	10.7	8.7	7.2	7.2	7.2	5.8	5.8	5.4	4.5	5.3	4.8
≥30 years	30.6	34.1	36.0	35.0	37.1	39.0	41.4	41.8	43.4	45.7	47.1
Marital status											
Unmarried	63.7	62.5	63.2	61.3	60.6	60.6	62.7	62.9	64.3	61.6	61.6
Mother's education											
<9 years	3.7	3.3	4.1	4.3	4.7	3.7	4.4	3.6	3.5	3.8	3.3
Prenatal care began											
1st Trimester	78.2	61.4	62.2	62.8	61.4	62.4	59.8	60.3	65.1	65.6	65.0
3rd Trimester	4.5	7.7	6.9	7.9	6.5	7.6	8.3	8.1	7.3	6.4	7.2
No Care	1.3	2.8	2.5	2.2	3.3	3.0	3.0	2.7	2.6	2.9	2.9
Prenatal visits											
1-4	4.7	6.2	6.4	6.3	5.6	6.4	7.2	7.3	6.1	6.5	6.9
≥5	93.8	89.7	89.9	89.6	88.2	88.8	87.7	87.5	90.5	89.1	89.4
≥9	79.1	72.1	71.5	70.2	69.2	68.2	64.5	65.0	69.2	68.5	69.1
≥13	31.0	24.7	25.4	25.7	26.3	28.3	25.8	27.3	29.3	27.7	27.9
Medical risks											
Complications^b	57.2	36.0	44.3	44.3	45.8	49.6	53.6	54.1	55.3	54.4	55.3
Gestational age^c											
Preterm (<37 weeks)	11.8	12.1	12.2	12.4	12.4	12.4	13.2	13.1	14.1	12.7	12.8
Birth weight											
<2,500 grams	11.1	11.9	12.3	12.0	12.4	12.3	12.3	12.8	13.6	12.9	13.0
<1,500 grams	2.0	2.5	2.3	2.4	2.3	2.1	2.4	2.6	2.6	2.4	2.4
Child's sex											
Male	51.8	51.9	51.5	50.7	51.8	49.0	51.7	50.7	50.0	50.8	51.6
Female	48.2	48.1	48.5	49.3	48.2	51.0	48.3	49.3	50.0	49.2	48.4
Plurality											
Multiple births	3.7	4.7	3.9	3.3	4.0	4.7	4.4	4.2	4.2	4.2	4.3
Caesarean delivery	31.4	33.0	32.8	32.4	30.8	33.7	34.1	34.6	34.2	32.3	34.2
Place of delivery											
Hospital ^d	99.3	99.5	99.6	99.1	99.0	99.1	98.8	98.0	97.7	97.5	97.9
Attendant at birth											
Midwife ^e	3.9	8.8	11.7	12.0	13.2	12.0	12.1	12.0	11.5	11.3	12.3
Previous live births											
1 or more	64.6	66.9	66.2	66.2	67.1	67.4	68.4	67.4	67.1	66.6	65.7

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 corrections.

^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, 2013-2023
(BLACK OR AFRICAN AMERICAN MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	523	536	535	525	572	573	596	608	653	627	622
Age of mother											
≤19 years	12.8	9.0	6.9	9.1	7.9	7.5	7.6	7.1	7.5	6.7	5.9
≥30 years	33.8	35.8	38.7	33.9	38.6	40.1	40.4	42.6	45.2	47.7	49.2
Marital status											
Unmarried	72.8	67.0	64.9	64.0	64.2	64.9	67.6	68.4	69.8	70.2	69.0
Mother's education											
<9 years	3.1	2.4	3.0	4.6	3.0	2.8	3.4	1.8	4.0	2.6	1.9
Prenatal care began											
1st Trimester	77.8	59.1	63.9	62.5	61.0	60.0	57.2	60.7	63.4	64.3	62.9
3rd Trimester	3.3	4.7	4.5	5.1	2.8	5.4	4.0	6.3	4.9	4.5	5.3
No Care	3.4	6.2	5.0	4.6	6.5	7.2	7.7	4.9	5.7	6.5	7.2
Prenatal visits											
1-4	8.6	11.2	12.9	10.9	9.3	10.8	13.1	12.8	12.4	12.6	11.6
≥5	87.2	81.2	80.4	81.0	80.6	79.1	75.3	79.9	81.2	78.6	79.1
≥9	66.7	55.2	55.7	55.6	51.6	53.9	46.8	50.8	53.3	52.8	49.4
≥13	25.2	20.1	22.2	16.0	20.1	20.9	17.1	17.9	20.1	20.4	19.3
Medical risks											
Complications^b	70.0	56.7	57.9	59.4	61.0	68.1	67.8	69.9	70.6	71.5	75.7
Gestational age^c											
Preterm (<37 weeks)	66.9	68.3	65.0	68.2	65.2	62.8	68.3	67.3	69.8	62.4	63.8
Birth weight											
<1,500 grams	18.0	21.5	18.5	20.0	18.4	16.9	19.8	20.4	19.3	18.2	18.2
<1,000 grams	10.3	12.9	10.5	11.4	11.4	9.2	10.6	11.3	10.1	9.4	9.0
Child's sex											
Male	47.2	45.9	46.9	46.1	44.9	41.7	43.5	47.2	45.6	44.7	46.0
Female	52.8	54.1	53.1	53.9	55.1	58.3	56.5	52.8	54.4	55.3	54.0
Plurality											
Multiple births	21.4	22.2	22.8	15.6	20.6	22.7	24.0	19.9	21.9	17.9	20.9
Caesarean delivery	42.8	45.9	47.9	47.6	44.8	49.7	50.8	50.3	51.9	49.4	53.9
Place of delivery											
Hospital ^d	99.0	99.8	100.0	99.6	99.5	99.7	99.2	99.3	98.9	99.2	98.4
Attendant at birth											
Midwife ^e	1.9	8.6	10.3	11.2	12.2	12.0	12.4	11.0	11.3	12.0	13.8
Previous live births											
1 or more	61.8	66.6	64.9	60.6	68.9	64.6	65.4	67.3	66.2	63.5	61.7

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 corrections.

^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, 2013-2023
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	5,476	5,145	4,984	5,030	4,866	4,709	4,462	4,087	3,906	4,010	3,902
Age of mother											
≤19 years	14.2	11.7	11.4	10.7	10.7	9.8	9.2	8.4	8.8	7.3	8.0
≥30 years	26.6	26.7	28.9	31.3	31.0	34.4	34.6	36.7	37.9	41.1	41.8
Marital status											
Unmarried	79.1	78.9	79.6	78.1	77.9	78.9	78.4	78.7	79.5	78.2	79.0
Mother's education											
<9 years	2.4	2.2	2.1	1.9	1.7	1.9	1.6	1.4	1.6	1.2	1.4
Prenatal care began											
1st Trimester	68.7	58.4	58.5	60.7	59.4	56.5	57.4	57.1	57.7	57.1	59.0
3rd Trimester	6.1	7.5	8.4	8.2	8.4	9.4	9.0	10.8	10.2	9.2	9.0
No Care	2.4	2.9	4.3	4.0	4.1	5.1	5.3	4.3	5.4	4.4	3.8
Prenatal visits											
1-4	9.5	10.5	10.4	11.0	11.5	11.2	12.0	12.1	11.4	9.7	10.2
≥5	87.7	85.0	84.2	83.9	83.0	81.5	80.1	80.8	80.4	81.4	82.7
≥9	63.7	59.3	60.0	59.9	58.8	55.5	55.7	54.0	55.7	56.9	60.1
≥13	21.3	18.2	18.7	19.0	19.9	18.4	18.6	19.6	20.4	19.9	23.5
Medical risks/ Complications^b	61.7	45.9	52.4	53.5	56.1	59.2	60.4	60.6	64.3	66.6	67.7
Gestational age^c											
Preterm (<37 weeks)	9.7	8.2	9.6	9.9	10.9	10.4	10.6	10.8	12.4	12.5	11.6
Birth weight											
<2,500 grams	7.2	6.1	7.3	7.2	7.7	7.9	7.9	7.2	7.8	8.7	8.0
<1,500 grams	1.0	0.9	1.3	1.3	1.3	1.4	1.3	1.2	1.3	1.6	1.4
Child's sex											
Male	51.6	49.7	50.8	50.4	51.6	52.0	51.3	51.8	51.0	50.4	51.6
Female	48.4	50.3	49.2	49.6	48.4	48.0	48.7	48.2	49.0	49.6	48.4
Plurality											
Multiple births	1.8	1.3	1.8	2.2	2.2	2.0	2.1	1.7	2.2	2.1	2.2
Caesarean delivery	24.0	22.7	22.6	23.5	24.4	25.2	24.6	26.8	26.2	27.1	27.0
Place of delivery											
Hospital ^d	99.7	99.7	99.4	99.5	99.5	99.2	99.5	99.4	99.5	99.4	99.5
Attendant at birth											
Midwife ^e	27.6	10.6	9.1	9.8	10.0	10.0	10.0	11.9	11.0	9.7	11.9
Previous live births											
1 or more	68.5	70.0	71.0	71.4	70.5	71.2	70.5	69.9	70.5	71.6	69.6

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 corrections.

^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, 2013-2023
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	393	315	365	363	376	373	353	294	306	349	311
Age of mother											
≤19 years	10.2	10.8	10.1	8.5	10.4	9.4	6.2	8.5	5.9	6.0	8.4
≤30 years	29.5	30.8	34.5	35.5	38.0	42.9	41.6	38.8	51.6	50.4	47.6
Marital status											
Unmarried	82.2	78.4	81.9	75.2	79.8	80.7	79.9	83.0	79.1	79.1	80.1
Mother's education											
<9 years	5.1	2.9	3.6	1.1	2.9	2.4	2.3	2.0	2.3	2.9	2.6
Prenatal care began											
1st Trimester	66.9	46.7	48.5	54.0	54.0	45.0	47.3	50.0	47.1	55.3	54.3
3rd Trimester	8.4	5.1	6.6	6.3	4.3	5.9	4.2	9.2	10.5	5.4	4.2
No Care	4.3	8.6	13.7	9.9	10.1	17.2	19.3	8.2	9.8	10.0	10.9
Prenatal visits											
1-4	17.6	15.6	15.3	18.5	15.2	17.7	18.7	22.8	18.6	14.9	15.1
≥5	76.8	72.7	66.6	69.4	70.5	59.5	58.4	63.9	64.1	68.5	66.9
≥9	50.6	40.6	40.5	41.3	40.2	28.7	34.0	39.8	36.3	39.5	42.4
≥13	15.3	10.2	11.2	12.9	14.9	8.8	10.2	14.3	14.7	12.3	15.1
Medical risks/ Complications^b	71.2	65.7	68.5	70.8	71.3	77.2	85.0	80.6	85.3	85.1	84.6
Gestational age^c											
Preterm (<37 weeks)	70.7	65.1	69.9	71.1	72.1	68.1	70.3	69.4	72.9	75.1	74.9
Birth weight											
<1,500 grams	13.7	14.6	18.1	17.6	16.8	17.4	16.1	17.3	16.7	18.6	17.0
<1,000 grams	4.6	7.9	8.5	7.7	6.4	8.3	6.5	8.2	6.5	8.9	9.0
Child's sex											
Male	51.4	44.4	45.8	52.1	50.3	49.9	43.6	51.0	44.8	51.9	48.9
Female	48.6	55.6	54.2	47.9	49.7	50.1	56.4	49.0	55.2	48.1	51.1
Plurality											
Multiple births	12.7	9.8	13.4	17.4	10.6	13.1	13.9	12.9	14.4	10.9	15.1
Caesarean delivery	44.3	41.9	43.8	43.3	47.3	42.9	49.0	53.1	52.6	49.6	50.8
Place of delivery											
Hospital ^d	100.0	100.0	98.6	99.2	99.2	98.4	99.7	100.0	99.7	98.6	99.4
Attendant at birth											
Midwife ^e	11.5	10.2	7.9	8.5	11.4	8.6	8.8	7.5	8.8	7.4	9.3
Previous live births											
1 or more	68.7	69.8	70.4	69.7	68.4	71.3	72.5	66.7	70.6	73.4	64.3

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 corrections.

^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, 2013-2023
(ASIAN OR PACIFIC ISLANDER MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of births	3,466	3,169	3,235	3,350	3,327	3,271	3,163	2,968	3,017	3,122	3,258
Age of mother											
≤19 years	2.3	1.8	1.9	1.5	1.7	1.3	1.3	1.0	0.7	1.0	1.0
≥30 years	59.2	60.4	60.5	60.8	61.9	65.1	65.6	64.9	68.7	69.2	71.3
Marital status											
Unmarried	16.0	15.2	14.3	15.4	14.6	14.8	14.8	16.4	17.6	16.4	16.9
Mother's education											
<9 years	2.7	3.0	3.1	3.0	2.9	3.0	2.3	2.3	1.8	2.0	1.8
Prenatal care began											
1st Trimester	86.4	70.5	71.8	73.2	72.2	72.5	73.2	74.3	77.7	75.6	74.6
3rd Trimester	2.9	4.5	5.0	4.3	4.7	5.0	6.5	5.2	4.9	4.4	5.2
No Care	0.7	1.4	1.2	1.3	1.9	1.9	1.3	1.7	1.6	1.6	1.3
Prenatal visits											
1-4	2.6	2.6	3.6	3.1	2.8	3.3	3.9	3.3	3.3	3.6	3.6
≥5	96.6	94.5	93.9	93.7	93.9	93.6	93.2	93.6	94.2	93.7	94.7
≥9	85.6	82.3	80.6	79.8	81.2	79.0	77.3	77.0	79.2	79.3	78.7
≥13	39.2	33.7	31.6	29.9	34.7	33.5	32.2	31.7	33.4	32.5	33.6
Medical risks/ Complications^b	57.4	37.9	42.2	44.4	47.0	47.1	49.4	51.2	51.7	52.0	54.3
Gestational age^c											
Preterm (<37 weeks)	8.9	8.0	9.4	8.7	9.6	10.0	9.5	9.3	10.3	10.5	10.5
Birth weight											
<2,500 grams	7.9	8.1	9.0	9.3	9.5	9.8	8.6	9.6	9.2	10.6	11.0
<1,500 grams	1.1	1.2	1.2	1.4	1.1	1.2	1.0	1.1	1.4	1.3	1.4
Child's sex											
Male	51.4	51.5	51.5	51.7	51.3	51.2	51.9	51.2	52.3	50.5	50.5
Female	48.6	48.5	48.5	48.3	48.7	48.8	48.1	48.8	47.7	49.5	49.5
Plurality											
Multiple births	3.2	3.2	3.3	3.7	3.4	3.0	3.2	2.6	2.5	2.6	2.5
Caesarean delivery	33.2	32.4	34.0	32.5	32.3	30.9	31.0	33.6	32.8	34.3	33.5
Place of delivery											
Hospital ^d	99.1	99.3	99.4	99.3	99.3	99.1	98.8	98.9	98.6	98.9	98.6
Attendant at birth											
Midwife ^e	3.3	10.0	10.4	11.1	11.8	11.4	13.5	14.5	13.5	13.5	15.4
Previous live births											
1 or more	56.2	53.4	54.0	54.1	56.6	56.3	56.7	56.2	56.7	56.9	55.5

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 corrections.

^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, 2013-2023
(ASIAN OR PACIFIC ISLANDER MOTHERS)

Characteristic	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of LBW births	275	256	291	313	315	319	273	285	277	330	360
Age of mother											
≤19 years	1.5	1.2	1.7	1.0	1.9	2.2	1.8	0.7	1.4	0.9	0.8
≤30 years	66.2	64.1	61.5	63.3	63.5	69.3	66.7	69.5	70.8	70.0	78.9
Marital status											
Unmarried	12.4	14.1	15.1	13.7	17.1	17.9	13.2	16.5	17.7	18.2	14.4
Mother's education											
<9 years	3.6	4.3	2.7	3.2	2.9	3.1	1.5	3.5	1.8	1.8	1.4
Prenatal care began											
1st Trimester	86.9	70.3	72.9	74.4	74.0	70.2	76.2	70.2	76.9	77.0	2.5
3rd Trimester	3.6	4.7	3.8	2.9	2.5	4.1	5.1	3.5	1.8	3.3	73.3
No Care	0.7	3.5	2.7	2.9	2.5	4.7	1.8	2.5	3.6	3.0	4.2
Prenatal visits											
1-4	6.2	4.7	8.6	7.0	4.4	7.2	5.9	6.0	7.9	6.1	6.7
≥5	93.1	88.7	86.9	87.2	92.1	85.9	91.2	89.5	87.4	89.4	90.3
≥9	73.5	66.8	64.6	67.7	70.5	58.9	64.8	61.8	62.8	61.8	62.2
≥13	31.6	25.4	29.6	22.0	28.3	22.3	29.7	21.1	23.1	19.7	25.3
Medical risks/ Complications^b	73.8	54.7	56.0	61.0	67.9	64.9	63.0	66.0	65.7	68.2	69.2
Gestational age^c											
Preterm (<37 weeks)	61.1	60.2	60.1	60.7	61.9	63.9	63.0	65.6	62.5	59.4	63.3
Birth weight											
<1,500 grams	13.5	15.2	13.1	15.3	11.7	11.9	11.7	11.2	14.8	12.4	12.2
<1,000 grams	6.2	6.6	6.5	8.6	6.0	5.3	6.2	4.9	6.9	6.7	5.8
Child's sex											
Male	46.5	49.2	48.8	45.4	46.0	44.2	53.5	49.5	49.1	49.1	46.1
Female	53.5	50.8	51.2	54.6	54.0	55.8	46.5	50.5	50.9	50.9	53.9
Plurality											
Multiple births	23.6	24.2	25.1	24.0	20.3	20.4	20.9	21.1	15.5	13.6	17.8
Caesarean delivery	53.1	47.7	51.5	47.0	50.8	48.3	44.7	51.2	46.6	46.4	50.8
Place of delivery											
Hospital ^d	100.0	100.0	100.0	99.7	99.7	99.7	98.5	99.6	99.6	99.7	99.2
Attendant at birth											
Midwife ^e	2.2	12.1	12.0	8.6	12.4	9.4	15.4	13.3	15.2	11.8	17.2
Previous live births											
1 or more	56.4	46.9	54.6	50.8	47.6	52.7	52.0	53.0	51.6	50.6	50.3

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 corrections.

^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, 2013-2023

Weight in grams	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Under 1,000, total	433	509	448	492	472	476	419	441	472	438	476
Single	332	384	358	380	375	383	319	341	383	374	364
Plural	101	125	90	112	97	93	100	100	89	64	112
1,000-1,499, total	494	509	523	519	492	509	483	438	508	500	509
Single	341	379	386	395	369	358	361	327	390	401	361
Plural	153	130	137	124	123	151	122	111	118	99	148
1,500-1,999, total	1,152	1,156	1,133	1,166	1,105	1,257	1,134	1,073	1,196	1,141	1,207
Single	830	803	793	808	784	837	795	758	848	820	847
Plural	322	353	340	358	321	420	339	315	348	321	360
2,000-2,499, total	3,770	3,895	3,988	4,009	4,040	3,864	3,793	3,698	3,964	4,034	4,092
Single	2,920	3,063	3,186	3,124	3,186	3,028	3,030	2,960	3,213	3,305	3,350
Plural	850	832	802	885	854	836	763	738	751	729	742
2,500-3,999, total	72,494	73,627	72,240	71,613	69,200	68,157	67,354	65,280	65,815	66,525	65,867
Single	71,377	72,449	71,109	70,450	67,940	67,032	66,337	64,270	64,809	65,373	64,848
Plural	1,117	1,178	1,131	1,163	1,260	1,125	1,017	1,010	1,006	1,152	1,019
4,000 and over, total	6,540†	6,900†	6,630†	6,570†	6,310†	6,240†	5,950†	5,790†	5,842	5,660†	5,680†
Single	6,537	6,900	6,633	6,569	6,310	6,234	5,951	5,787	5,842	5,658	5,680
Plural	*	*	*	*	*	*	*	*	0	*	*
All weights, total^a	84,963	86,648	85,024	84,404	81,664	80,539	79,183	76,781	77,857	78,355	77,881
Single	82,415	84,014	82,501	81,752	79,005	77,909	76,837	74,501	75,543	75,985	75,497
Plural	2,550†	2,630†	2,518	2,647	2,657	2,630	2,343	2,280	2,313	2,369	2,382

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 plurality.

**TABLE 1B-17
RESIDENT BIRTHS BY MONTH OF OCCURRENCE, ARIZONA, 2013-2023**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2022	6,564	5,992	6,470	5,951	5,998	6,245	6,720	7,078	6,834	6,639	6,821	7,043	78,355
Percent	8.4	7.6	8.3	7.6	7.7	8.0	8.6	9.0	8.7	8.5	8.7	9.0	100.0
2023	6,540	6,012	6,418	5,961	6,156	6,157	6,583	7,146	6,856	6,830	6,590	6,632	77,881
Percent	8.4	7.7	8.2	7.7	7.9	7.9	8.5	9.2	8.8	8.8	8.5	8.5	100.0

TABLE 1B-18
BIRTHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2023

	TOTAL	Month of birth												TOTAL
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TOTAL	77,881	6,540	6,012	6,418	5,961	6,156	6,157	6,583	7,146	6,856	6,830	6,590	6,632	
Day of birth														
1	2,630	168	227	247	180	231	228	179	221	240	197	247	265	
2	2,530	187	219	240	150	203	235	168	232	214	223	250	209	
3	2,615	209	239	240	206	207	194	204	277	206	241	235	157	
4	2,563	240	222	179	231	220	154	198	252	182	245	202	238	
5	2,551	257	182	155	204	220	204	193	197	271	243	182	243	
6	2,634	233	218	202	214	189	232	229	171	275	249	219	203	
7	2,594	201	234	212	221	148	218	238	205	249	215	249	204	
8	2,580	175	235	237	187	196	205	200	256	260	168	243	218	
9	2,449	216	207	247	127	193	194	171	256	194	215	232	197	
10	2,609	220	229	235	201	219	191	206	261	188	239	232	188	
11	2,525	221	218	185	208	213	164	249	226	217	224	197	203	
12	2,546	228	167	162	205	201	234	228	203	247	237	170	264	
13	2,583	232	225	176	203	176	220	251	191	227	234	216	232	
14	2,675	194	240	221	222	169	216	248	222	264	186	238	255	
15	2,477	179	231	200	171	207	219	203	232	224	154	228	229	
16	2,546	218	226	208	159	204	203	177	258	193	236	270	194	
17	2,535	216	226	232	189	209	162	233	251	170	243	240	164	
18	2,559	188	177	192	235	209	166	237	252	216	238	213	236	
19	2,537	237	157	168	254	187	210	208	239	240	227	164	246	
20	2,626	242	206	212	216	180	234	217	188	228	219	239	245	
21	2,703	193	240	231	223	188	215	242	262	241	201	242	225	
22	2,529	193	239	213	165	187	215	196	241	265	171	210	234	
23	2,488	204	227	252	179	221	202	173	247	200	229	180	174	
24	2,504	213	225	203	190	232	206	229	234	193	229	192	158	
25	2,462	235	170	176	227	234	189	231	243	228	245	171	113	
26	2,567	226	171	180	232	222	217	240	198	279	248	159	195	
27	2,566	214	211	179	228	181	224	226	173	261	239	216	214	
28	2,600	214	244	215	185	161	205	210	214	246	197	244	265	
29	2,277	170		201	197	137	209	198	225	250	186	257	247	
30	2,282	211		199	152	206	192	183	264	188	219	253	215	
31	1,539	206		219		206		218	255		233		202	

**TABLE 1B-19
LIVE BIRTHS BY MOTHER'S AGE AND FATHER'S AGE, ARIZONA, 2023**

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	*	187	95	13	*	0	0	0	0	0	300†
18-19	0	192	721	360	20	*	0	0	0	0	1,300†
20-24	0	59	970	6,629	1,278	171	50	*	0	0	9,160†
25-29	0	9	147	4,132	11,000	2,043	323	52	*	*	17,710†
30-34	0	6	44	943	6,485	10,852	1,664	170	*	0	20,170†
35-39	0	*	21	303	1,575	5,581	5,091	513	19	0	13,100†
40-44	0	0	8	104	432	1,411	2,397	932	34	0	5,318
45-49	0	0	*	34	143	329	619	411	47	0	1,590†
50-54	0	0	0	13	42	99	200	134	23	0	511
55+	0	0	*	16	29	71	88	70	14	0	290†
Unknown	21	394	585	2,331	2,133	1,765	941	240	19	*	8,430
TOTAL	30†	850†	2,600†	14,878	23,140†	22,330†	11,373	2,530†	160†	0†	77,881

**TABLE 1B-20
LIVE BIRTHS BY MOTHER'S RACE/ETHNICITY AND FATHER'S RACE/ETHNICITY, ARIZONA, 2023**

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	25,370	9,524	1,667	1,105	891	38,557
Hispanic or Latino	4,788	22,667	292	601	305	28,653
Black or African American	1,208	1,095	2,774	88	93	5,258
American Indian or Alaska Native	217	344	19	2,077	20	2,677
Asian or Pacific Islander	453	279	24	31	1,949	2,736
TOTAL	32,036	33,909	4,776	3,902	3,258	77,881

**TABLE 1B-21
LIVE BIRTHS BY MOTHER'S AND FATHER'S EDUCATION, ARIZONA, 2023**

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	768	440	518	189	130	92	28	10	2,175
Some High School	274	2,712	2,899	1,193	362	243	61	29	7,773
High School/ GED	293	2,192	10,413	4,370	1,657	1,886	515	64	21,390
Some College	69	592	2,918	5,411	1,529	2,658	858	39	14,074
Associate Degree	47	174	849	1,158	1,184	1,250	414	23	5,099
Bachelor's Degree	33	122	1,004	1,626	1,011	5,962	2,529	32	12,319
Postgraduate Education	13	43	273	412	358	2,301	2,654	18	6,072
Unknown	417	2,238	3,347	1,530	476	443	153	375	8,979
TOTAL	1,914	8,513	22,221	15,889	6,707	14,835	7,212	590	77,881

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; 590 cases were missing mother's education and 8,979 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, 2023

			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	Married	Count	41,796	0	13	198	4,111	12,723	15,051	7,873	1,708	119	0
		Percent	53.7%	0.0%	1.5%	7.6%	27.6%	55.0%	67.4%	69.2%	67.6%	72.6%	0.0%
	Unmarried	Count	35,410†	27	837	2,393	10,708	10,234	7,067	3,336	766	38	*
		Percent	45.5%	100.0%	98.4%	92.2%	72.0%	44.2%	31.7%	29.3%	30.3%	23.2%	**
	Unknown	Count	680†	0	*	*	59	181	208	164	53	7	*
		Percent	0.9%	0.0%	**	**	0.4%	0.8%	0.9%	1.4%	2.1%	4.3%	**
	TOTAL	Count	77,880†	27	851	2,595	14,878	23,138	22,326	11,373	2,527	164	*
		Percent	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	21,980†	0	*	66	1,894	6,588	8,178	4,307	876	62	0
		Percent	68.6%	0.0%	**	11.2%	40.8%	69.2%	78.8%	78.1%	74.8%	68.9%	0.0%
	Unmarried	Count	9,760†	*	123	519	2,727	2,860	2,117	1,124	266	21	*
		Percent	30.5%	**	96.9%	88.4%	58.8%	30.0%	20.4%	20.4%	22.7%	23.3%	**
	Unknown	Count	300†	0	0	*	19	73	86	82	29	7	*
		Percent	0.9%	0.0%	0.0%	**	0.4%	0.8%	0.8%	1.5%	2.5%	7.8%	**
	TOTAL	Count	32,040†	*	127	587	4,640	9,521	10,381	5,513	1,171	90	*
		Percent	100.0%	**	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	**
Hispanic or Latino	Married	Count	14,571	0	8	123	1,906	4,927	4,802	2,232	533	40	0
		Percent	43.0%	0.0%	1.4%	7.7%	23.4%	46.7%	57.6%	59.3%	60.5%	78.4%	0.0%
	Unmarried	Count	19,066	20	547	1,478	6,217	5,538	3,444	1,478	333	11	0
		Percent	56.2%	100.0%	98.4%	92.2%	76.3%	52.5%	41.3%	39.2%	37.8%	21.6%	0.0%
	Unknown	Count	270†	0	*	*	30	80	88	56	15	0	0
		Percent	0.8%	0.0%	**	**	0.4%	0.8%	1.1%	1.5%	1.7%	0.0%	0.0%
	TOTAL	Count	33,909	20	556	1,603	8,153	10,545	8,334	3,766	881	51	0
		Percent	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	1,780†	0	0	*	147	468	627	426	105	*	0
		Percent	37.3%	0.0%	0.0%	**	15.9%	34.1%	47.8%	57.3%	57.4%	**	0.0%
	Unmarried	Count	2,940†	*	62	164	772	889	670	306	75	*	0
		Percent	61.6%	**	100.0%	98.2%	83.5%	64.8%	51.0%	41.1%	41.0%	**	0.0%
	Unknown	Count	50†	0	0	0	6	15	16	12	*	0	0
		Percent	1.1%	0.0%	0.0%	0.0%	0.6%	1.1%	1.2%	1.6%	**	0.0%	0.0%
	TOTAL	Count	4,780†	*	62	167	925	1,372	1,313	744	183	8	0
		Percent	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	770†	0	*	*	80	220	265	171	28	*	0
		Percent	19.8%	0.0%	**	**	8.5%	21.6%	26.4%	32.3%	29.5%	**	0.0%
	Unmarried	Count	3,080†	*	98	207	859	786	720	347	63	*	0
		Percent	79.0%	**	99.0%	97.6%	91.3%	77.3%	71.8%	65.5%	66.3%	**	0.0%
	Unknown	Count	50†	0	0	0	*	11	18	12	*	0	0
		Percent	1.2%	0.0%	0.0%	0.0%	**	1.1%	1.8%	2.3%	**	0.0%	0.0%
	TOTAL	Count	3,900†	*	99	212	941	1,017	1,003	530	95	*	0
		Percent	100.0%	**	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	**	0.0%
Asian or Pacific Islander	Married	Count	2,700†	0	0	*	84	520	1,179	737	166	11	0
		Percent	82.8%	0.0%	0.0%	**	38.4%	76.1%	91.0%	89.9%	84.3%	100.0%	0.0%
	Unmarried	Count	552	0	7	25	133	161	116	81	29	0	0
		Percent	16.9%	0.0%	100.0%	96.2%	60.7%	23.6%	9.0%	9.9%	14.7%	0.0%	0.0%
	Unknown	Count	10†	0	0	0	*	*	0	*	*	0	0
		Percent	0.2%	0.0%	0.0%	0.0%	**	**	0.0%	**	**	0.0%	0.0%
	TOTAL	Count	3,258	0	7	26	219	683	1,295	820	197	11	0
		Percent	100.0%	0.0%	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, 2023

		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	77,881	30†	850†	2,600†	14,878	23,138	22,326	11,373	2,527	164	0†
	None	29,983	26	800	2,189	8,625	8,995	6,419	2,449	455	25	0
	1	23,190†	*	47	367	4,418	7,484	6,997	3,228	608	39	0
	2	13,300†	0	*	34	1,414	4,213	4,670	2,424	503	34	*
	3	6,300†	0	0	*	328	1,615	2,410	1,561	369	14	0
	4 or more	5,092	0	0	0	93	826	1,827	1,705	589	52	0
	Unknown	20†	0	0	0	0	*	*	6	*	0	0
White non-Hispanic	TOTAL	32,040†	0†	127	587	4,640	9,521	10,381	5,513	1,171	90	0†
	None	13,080†	*	117	506	2,869	4,274	3,554	1,468	276	12	0
	1	9,992	0	10	74	1,309	3,067	3,443	1,739	322	28	0
	2	5,104	0	0	7	367	1,471	1,909	1,123	205	20	*
	3	2,211	0	0	0	76	485	916	587	139	8	0
	4 or more	1,635	0	0	0	19	220	558	590	226	22	0
	Unknown	10†	0	0	0	0	*	*	6	*	0	0
Hispanic or Latino	TOTAL	33,909	20†	560†	1,600†	8,153	10,545	8,334	3,766	881	50†	0
	None	12,627	19	523	1,353	4,618	3,614	1,823	571	100	6	0
	1	9,850†	*	30	227	2,492	3,532	2,495	894	174	8	0
	2	6,200†	0	*	18	801	2,166	2,076	919	202	12	0
	3	2,990†	0	0	*	191	833	1,116	685	160	*	0
	4 or more	2,237	0	0	0	51	400	823	697	245	21	0
	Unknown	0†	0	0	0	0	0	*	0	0	0	0
Black or African American	TOTAL	4,780†	0†	60†	170†	925	1,372	1,313	744	183	10†	0
	None	1,640†	*	59	136	537	448	308	117	28	*	0
	1	1,220†	0	*	29	254	417	328	151	37	0	0
	2	860†	0	0	*	94	251	317	160	37	0	0
	3	496	0	0	0	28	139	162	135	32	0	0
	4 or more	560†	0	0	0	12	117	197	181	49	*	0
	Unknown	0†	0	0	0	0	0	*	0	0	0	0
American Indian or Alaska Native	TOTAL	3,900†	0†	100†	212	941	1,017	1,003	530	100†	0†	0
	None	1,190†	*	94	169	466	256	150	48	*	0	0
	1	960†	0	*	36	305	298	224	85	6	0	0
	2	730†	0	*	7	128	248	239	92	17	0	0
	3	460†	0	0	0	31	134	170	109	19	*	0
	4 or more	560†	0	0	0	11	80	220	196	50	*	0
	Unknown	0†	0	0	0	0	*	0	0	0	0	0
Asian or Pacific Islander	TOTAL	3,258	0	7	30†	220†	683	1,295	820	197	10†	0
	None	1,450†	0	7	25	135	403	584	245	48	*	0
	1	1,170†	0	0	*	58	170	507	359	69	*	0
	2	400†	0	0	0	24	77	129	130	42	*	0
	3	140†	0	0	0	*	24	46	45	19	*	0
	4 or more	100†	0	0	0	0	9	29	41	19	*	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-25
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2023**

		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		77,881	68,153	9,710 [†]	20 [†]	32,040 [†]	33,909	4,780 [†]	3,900 [†]	3,258	
	Mother's age group	<15	30 [†]	23	*	0	*	20	*	*	0
		15-17	851	703	148	0	127	556	62	99	7
		18-19	2,595	2,148	447	0	587	1,603	167	212	26
		20-24	14,878	12,571	2,305	*	4,640	8,153	925	941	219
		25-29	23,138	20,253	2,883	*	9,521	10,545	1,372	1,017	683
		30-34	22,326	19,917	2,406	*	10,381	8,334	1,313	1,003	1,295
		35-39	11,373	10,136	1,229	8	5,513	3,766	744	530	820
		40-44	2,527	2,256	267	*	1,171	881	183	95	197
		45+	160 [†]	146	18	0	90	51	8	*	11
Unknown	0 [†]	0	*	*	*	0	0	0	0		
Payer for birth	AHCCCS	36,160	30,741	5,407	12	9,404	20,267	3,107	2,671	711	
	IHS	630 [†]	411	219	0	27	26	0	576	*	
	Private insurance	33,758	30,727	3,026	*	19,476	10,087	1,335	560	2,300	
	Self-pay	4,538	3,772	764	*	2,056	2,111	165	59	147	
	Unknown	2,795	2,502	292	*	1,073	1,418	169	36	99	
	8th Grade or Less	1,914	1,740	174	0	241	1,401	158	56	58	
Mother's education	Some High School	8,513	7,261	1,251	*	1,702	5,349	510	830	122	
	High School / GED	22,221	18,962	3,256	*	6,717	11,969	1,546	1,512	477	
	Some College	15,889	13,591	2,295	*	6,635	6,895	1,085	922	352	
	Associate Degree	6,707	5,727	980	0	2,882	2,910	422	308	185	
	Bachelor's Degree	14,835	13,626	1,208	*	9,017	3,921	649	190	1,058	
	Postgraduate Education	7,212	6,716	496	0	4,472	1,330	347	71	992	
	Unknown	590	530	48	12	370	134	59	13	14	
	Married	41,796	37,185	4,611	0	21,975	14,571	1,781	771	2,698	
	Unmarried ^b	35,407	30,388	5,011	8	9,762	19,066	2,943	3,084	552	
	Unknown	678	580	86	12	299	272	52	47	8	
Weight gain	Inadequate	16,848	14,700	2,144	*	6,003	7,869	1,095	912	969	
	Adequate	23,524	20,666	2,852	6	9,857	10,097	1,315	1,075	1,180	
	Excessive	36,466	31,837	4,623	6	15,924	15,384	2,254	1,803	1,101	
	Unknown	1,043	950	89	*	252	559	112	112	8	
Smoking during pregnancy	Non-smoker	75,608	66,743	8,854	11	30,619	33,458	4,636	3,667	3,228	
	Light smoker (less than 10 cigarettes per day)	958	713	243	*	548	253	82	62	13	
	Heavy smoker (10 or more cigarettes per day)	687	500	185	*	517	102	37	24	7	
	Unknown	628	197	426	*	352	96	21	149	10	
Length of gestation	<37 weeks	7,684	6,763	919	*	2,902	3,378	611	452	341	
	37-41 weeks	69,937	61,190	8,731	16	29,000	30,448	4,145	3,434	2,910	
	42+ weeks	166	137	29	0	87	54	12	7	6	
	Unknown	90 [†]	63	29	*	47	29	8	9	*	
Weight at birth	<1,000 grams	476	423	53	0	166	205	56	28	21	
	1,000-1,499	509	448	61	0	188	216	57	25	23	
	1,500-2,499	5,299	4,664	630	*	1,991	2,225	509	258	316	
	2,500-3,999	65,867	57,524	8,330	13	27,019	28,964	3,895	3,225	2,764	
	4,000+ grams	5,681	5,061	619	*	2,642	2,288	255	364	132	
	Unknown	50 [†]	33	15	*	30	11	*	*	*	

TABLE 1B-25 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2023

	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	1,841	1,570	266	*	505	1,004	139	150	43
	1st trimester	55,608	49,062	6,540	6	24,778	22,993	3,103	2,304	2,430
	2nd trimester	13,832	11,836	1,990	6	4,599	6,755	1,058	874	546
	3rd trimester	4,635	3,961	674	0	1,403	2,365	346	351	170
	Unknown	1,965	1,724	238	*	751	792	130	223	69
Prenatal visits	No visits	1,841	1,570	266	*	505	1,004	139	150	43
	1-4 visits	3,699	3,073	625	*	938	1,919	328	398	116
	5-8 visits	12,997	11,044	1,949	*	4,362	6,263	969	883	520
	9-12 visits	34,725	30,402	4,318	*	14,790	15,071	1,968	1,427	1,469
	13+ visits	23,882	21,430	2,450	*	11,131	9,406	1,332	918	1,095
Newborn intensive care	Unknown	737	634	100	*	310	246	40	126	15
	Yes	6,075	5,275	794	6	2,506	2,498	494	327	250
Method of delivery	No	71,806	62,878	8,914	14	29,530	31,411	4,282	3,575	3,008
	Vaginal	53,372	46,584	6,774	14	22,153	23,373	3,030	2,770	2,046
	C-Section	22,595	20,040	2,551	*	9,033	9,782	1,632	1,055	1,093
	Forceps	250	221	29	0	130	90	11	8	11
	Vacuum	1,657	1,304	352	*	715	664	103	67	108
Obstetric procedures ^c	Unknown	10†	*	*	*	*	0	0	*	0
	Total	40,883	35,845	5,031	7	16,316	18,354	2,338	2,207	1,668
	Induction of labor	25,027	21,788	3,236	*	10,399	10,792	1,474	1,409	953
	Augmentation of labor	22,495	20,214	2,277	*	8,666	10,566	1,213	1,076	974
	Cervical cerclage	159	142	17	0	54	72	19	6	8
Births with medical risk factors ^c	Tocolysis	272	178	94	0	118	99	20	23	12
	External cephalic version successful	90†	74	18	0	42	28	*	12	6
	External cephalic version failed	198	170	28	0	99	51	14	23	11
	Total	23,521	20,486	3,030	5	8,109	10,770	1,632	2,002	1,008
	Pre-existing diabetes	1,090	875	215	0	252	531	60	209	38
	Gestational diabetes	8,059	6,983	1,075	*	2,513	3,765	394	814	573
	Pre-existing hypertension	1,644	1,408	236	0	572	663	194	171	44
	Gestational hypertension	8,063	6,981	1,080	*	3,154	3,384	568	732	225
	Eclampsia	120†	103	14	0	39	54	16	6	*
	Previous preterm birth	3,516	3,057	459	0	1,250	1,598	296	264	108
Other previous poor pregnancy outcome	Other previous poor pregnancy outcome	4,493	4,128	365	0	1,574	2,133	401	229	156
	Gonorrhea	200†	165	30	*	44	89	23	37	*
	Syphilis	460†	359	100	*	84	208	40	123	*
	Chlamydia	1,867	1,598	268	*	309	1,145	142	237	34
	Hepatitis B	90†	85	9	0	28	16	21	*	27
Hepatitis C	190†	160	29	*	100	59	9	19	*	

TABLE 1B-25 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY,
ARIZONA, 2023

		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	25,328	22,669	2,651	8	10,440	10,707	1,629	1,427	1,125
	Premature rupture of the membranes	4,357	3,829	527	*	1,610	2,000	259	312	176
	Precipitous labor	5,849	5,287	558	*	3,039	1,974	280	275	281
	Prolonged labor	2,147	1,823	324	0	889	922	118	130	88
	Breech presentation	3,249	2,842	407	0	1,484	1,245	188	185	147
	Chorioamnionitis	1,787	1,644	143	0	521	988	101	83	94
	Meconium staining of the amniotic fluid	5,395	4,906	486	*	1,948	2,524	381	300	242
	Fetal intolerance	8,490	7,775	715	0	2,952	3,906	741	524	367
	Maternal transfusion	577	466	111	0	155	286	27	80	29
	Third or fourth degree perineal laceration	369	326	43	0	184	116	12	22	35
	Ruptured uterus	30†	29	*	0	11	16	*	0	*
	Unplanned Hysterectomy	50†	35	12	0	12	22	*	7	*
	Admission to intensive care unit	132	112	20	0	45	54	12	14	7
Unplanned surgery following delivery	201	157	43	*	69	79	12	30	11	
Abnormal conditions of the newborn ^c	Total	4,297	3,512	782	3	1,813	1,738	325	261	160
	Assisted ventilation immediately after delivery	3,425	2,796	628	*	1,530	1,336	251	175	133
	Assisted ventilation for more than 6 hours	2,093	1,745	347	*	907	840	152	116	78
	Surfactant replacement therapy	365	316	49	0	145	149	36	26	9
	Suspected neonatal sepsis	1,631	1,369	260	*	573	745	142	117	54
	Seizure or serious neurologic dysfunction	30†	26	*	0	13	10	*	*	*
	Significant birth injury	100†	90	11	0	44	40	*	7	6
	Total	321	260	61	0	125	141	15	29	11
Congenital anomalies of the newborn ^c	Anencephalus	0†	*	0	0	0	*	0	0	0
	Spina bifida / Meningocele	20†	13	*	0	*	9	0	*	0
	Cyanotic congenital heart disease	70†	59	9	0	26	25	6	6	*
	Congenital diaphragmatic hernia	10†	9	*	0	*	8	*	0	0
	Omphalocele / Gastroschisis	20†	18	*	0	7	9	*	*	0
	Limb reduction defect	10†	12	0	0	*	*	*	*	0
	Cleft lip / palate	60†	48	10	0	23	25	*	*	*
	Down syndrome	50†	39	8	0	20	21	*	*	*
	Suspected chromosomal disorder	50†	41	6	0	19	21	*	*	*
	Hypospadias	10†	10	*	0	7	*	*	0	0
	Unknown congenital anomalies	50†	28	21	0	18	22	*	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 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 2013 TO 2023 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		
	2013	2023	% Change	2013	2023	% Change	2013	2023	% Change	2013	2023	% Change
Number of births^b	45,792	36,160	-21.0	1,081	630	-4.7	34,996	33,758	-3.5	2,954	4,538	53.6
Per 100 births:												
Teenage mother^c	13.3	7.8	-41.4	14.6	8.6	-41.1	2.2	1.1	-50.0	6.5	3.1	-52.3
Unwed mother^d	65.4	68.5	4.7	77.0	76.7	-0.4	18.6	23.5	26.3	32.7	29.7	-9.2
Early prenatal care^e	75.1	65.1	-13.3	63.8	57.1	-10.5	91.4	81.1	-11.3	64.4	57.2	-11.2
0-4 prenatal visits	6.8	9.8	44.1	16.5	14.8	-10.3	1.3	2.9	123.1	20.3	15.4	-24.1
C-Section^f	26.1	28.6	9.6	22.3	28.1	26.0	30.9	30.8	-0.3	19.9	20.1	1.0
LBW rate	7.3	8.9	21.9	5.3	5.6	5.7	6.4	7.5	17.2	5.8	6.2	6.9
Newborn intensive care	5.5	8.6	55.6	3.0	8.1	169.8	5.1	7.3	43.1	4.9	5.8	18.4
Preterm birth < 37 weeks	9.7	11.0	13.4	7.9	9.0	13.9	8.3	9.0	8.4	7.7	7.3	-5.2

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, 2023**

	TOTAL	Payer for birth			
		AHCCCS ^a	IHS	Private Insurance	Self-pay Unknown
TOTAL	77,881	36,160	630†	33,760†	4,538
Mother's age group					
<15	30†	21	0	*	0
15-17	851	708	15	65	46
18-19	2,595	2,094	39	307	94
20-24	14,878	9,818	159	3,676	694
25-29	23,138	10,780	165	9,875	1,415
30-34	22,326	7,994	163	11,950	1,436
35-39	11,373	3,811	71	6,456	661
40-44	2,527	886	17	1,328	181
45+	160†	47	*	99	10
Unknown	0†	*	0	0	*
Mother's race/ethnicity					
White non-Hispanic	32,036	9,404	27	19,476	2,056
Hispanic or Latino	33,909	20,267	26	10,087	2,111
Black or African American	4,776	3,107	0	1,335	165
American Indian or Alaska Native	3,902	2,671	576	560	59
Asian or Pacific Islander	3,260†	711	*	2,300	147
Mother's education					
8th Grade or Less	1,914	1,444	15	103	137
Some High School	8,513	7,015	168	714	325
High School / GED	22,221	14,483	249	5,774	1,076
Some College	15,889	7,515	125	6,739	912
Associate Degree	6,707	2,633	35	3,360	434
Bachelor's Degree	14,835	2,213	24	10,900	1,166
Postgraduate Education	7,212	515	13	6,002	440
Unknown	590†	342	*	166	48
Marital status					
Married	41,796	10,893	141	25,708	3,165
Unmarried ^b	35,407	24,773	483	7,932	1,347
Unknown	678	494	6	118	26
Weight gain					
Inadequate	16,848	8,496	133	6,575	1,037
Adequate	23,524	10,330	179	10,711	1,452
Excessive	36,466	16,727	300	16,319	1,915
Unknown	1,043	607	18	153	134
Smoking during pregnancy					
Non-smoker	75,608	34,655	581	33,291	4,336
Light smoker (less than 10 cigarettes per day)	958	733	11	165	25
Heavy smoker (10 or more cigarettes per day)	687	552	7	95	23
Unknown	628	220	31	207	154
Length of gestation					
<37 weeks	7,684	3,982	57	3,043	330
37-41 weeks	69,937	32,064	572	30,640	4,149
42+ weeks	166	66	0	63	36
Unknown	90†	48	*	12	23
Weight at birth					
<1,000 grams	480†	248	*	190	23
1,000-1,499	509	260	6	200	23
1,500-2,499	5,299	2,728	27	2,157	237
2,500-3,999	65,867	30,563	519	28,612	3,768
4,000+ grams	5,681	2,347	75	2,595	465
Unknown	50†	14	*	*	22

TABLE 1B-27 (continued)
PAYER FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2023

		TOTAL	Payer for birth				
			AHCCCS ^a	IHS	Private Insurance	Self-pay	Unknown
Prenatal care	No care	1,841	1,193	23	222	355	48
	1st trimester	55,608	23,548	360	27,368	2,596	1,736
	2nd trimester	13,832	7,724	132	4,372	964	640
	3rd trimester	4,635	2,687	76	1,198	423	251
	Unknown	1,965	1,008	39	598	200	120
Prenatal visits	No visits	1,841	1,193	23	222	355	48
	1-4 visits	3,699	2,361	70	762	345	161
	5-8 visits	12,997	7,359	152	4,164	826	496
	9-12 visits	34,725	15,401	207	16,057	1,853	1,207
	13+ visits	23,882	9,473	153	12,324	1,089	843
	Unknown	737	373	25	229	70	40
Newborn intensive care	Yes	6,075	3,095	51	2,466	265	198
	No	71,806	33,065	579	31,292	4,273	2,597
Method of delivery	Vaginal	53,372	24,982	437	22,517	3,509	1,927
	C-Section	22,595	10,333	177	10,389	912	784
	Forceps	250†	89	*	135	12	13
	Vacuum	1,657	755	15	717	105	65
	Unknown	10†	*	0	0	0	6
	Total	40,883	19,101	361	17,973	1,802	1,646
Obstetric procedures ^c	Induction of labor	25,027	11,524	248	11,278	1,019	958
	Augmentation of labor	22,495	10,528	167	9,896	1,040	864
	Cervical cerclage	159	60	0	87	7	*
	Tocolysis	270†	158	0	101	*	8
	External cephalic version successful	90†	38	*	37	7	9
	External cephalic version failed	200†	69	*	109	7	11
	Total	23,521	12,067	353	9,165	913	1,023
Births with medical risk factors ^c	Pre-existing diabetes	1,090	593	33	399	20	45
	Gestational diabetes	8,059	3,821	141	3,518	314	265
	Pre-existing hypertension	1,644	826	35	644	50	89
	Gestational hypertension	8,063	3,812	119	3,442	289	401
	Eclampsia	120†	62	*	45	8	*
	Previous preterm birth	3,516	1,999	50	1,133	153	181
	Other previous poor pregnancy outcome	4,493	2,397	56	1,665	157	218
	Gonorrhea	196	154	12	21	6	*
	Syphilis	460	385	30	17	13	15
	Chlamydia	1,867	1,409	53	252	67	86
	Hepatitis B	90†	52	0	34	*	*
	Hepatitis C	190†	154	*	17	6	8

TABLE 1B-27 (continued)
PAYER FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2023

	TOTAL	Payer for birth					
		AHCCCS ^a	IHS	Private Insurance	Self-pay	Unknown	
Births with complications of labor and delivery ^c	Total	26,048	11,442	241	11,790	1,427	1,148
	Premature rupture of the membranes	4,357	1,917	65	1,821	297	257
	Precipitous labor	5,849	2,207	29	3,021	404	188
	Prolonged labor	2,147	866	24	1,025	130	102
	Breech presentation	3,249	1,378	30	1,578	150	113
	Chorioamnionitis	1,787	825	18	769	94	81
	Meconium staining of the amniotic fluid	5,395	2,605	71	2,279	245	195
	Fetal intolerance	8,490	3,962	63	3,511	399	555
	Maternal transfusion	577	315	16	196	32	18
	Third or fourth degree perineal laceration	369	104	6	208	26	25
	Ruptured uterus	30†	16	0	13	*	*
	Unplanned Hysterectomy	50†	31	0	12	*	*
	Admission to intensive care unit	130†	82	*	38	*	*
	Unplanned surgery following delivery	201	91	6	72	15	17
	Abnormal conditions of the newborn ^c	Total	4,297	2,072	44	1,760	239
Assisted ventilation immediately after delivery		3,425	1,588	28	1,470	196	143
Assisted ventilation for more than 6 hours		2,093	1,006	24	865	111	87
Surfactant replacement therapy		370†	172	*	149	20	20
Suspected neonatal sepsis		1,631	868	19	586	91	67
Seizure or serious neurologic dysfunction		30†	15	*	11	*	*
Significant birth injury		101	38	0	42	9	12
Total		320†	172	3	111	17	18
Congenital anomalies of the newborn ^c	Anencephalus	0†	*	0	0	0	0
	Spina bifida / Meningocele	20†	10	0	*	*	*
	Cyanotic congenital heart disease	70†	42	0	19	*	6
	Congenital diaphragmatic hernia	10†	9	0	*	0	*
	Omphalocele / Gastroschisis	20†	13	0	*	*	*
	Limb reduction defect	12	6	0	6	0	0
	Cleft lip / palate	60†	32	0	21	*	*
	Down syndrome	50†	15	*	23	*	*
	Suspected chromosomal disorder	50†	20	*	24	0	*
	Hypopadias	10†	*	0	*	*	*
	Unknown congenital anomalies	50†	29	*	11	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 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, 2023

		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	36,160	21	708	2,094	9,818	10,780	7,994	3,811	886	47	*
	IHS	630†	0	15	39	159	165	163	71	17	*	0
	Private insurance	33,760†	*	65	307	3,676	9,875	11,950	6,456	1,328	99	0
	Self-pay	4,538	0	46	94	694	1,415	1,436	661	181	10	*
	Unknown	2,800†	*	17	61	531	903	783	374	115	7	0
	TOTAL	77,881	30†	851	2,595	14,878	23,138	22,326	11,373	2,527	160†	0†
White non- Hispanic	AHCCCS	9,400†	*	98	419	2,352	2,882	2,247	1,132	249	20	*
	IHS	30†	0	0	0	6	8	11	*	*	0	0
	Private insurance	19,476	0	18	127	1,843	5,629	7,085	3,927	783	64	0
	Self-pay	2,060†	0	9	25	275	625	706	310	100	*	*
	Unknown	1,070†	0	*	16	164	377	332	143	38	*	0
	TOTAL	32,040†	0†	127	587	4,640	9,521	10,381	5,510†	1,170†	90†	0†
Hispanic or Latino	AHCCCS	20,267	15	480	1,350	5,943	6,063	4,133	1,807	454	22	0
	IHS	30†	0	0	0	7	8	8	*	*	0	0
	Private insurance	10,090†	*	31	148	1,502	3,353	3,239	1,491	301	20	0
	Self-pay	2,110†	0	31	63	376	680	613	281	63	*	0
	Unknown	1,420†	*	14	42	325	441	341	185	62	*	0
	TOTAL	33,909	20†	556	1,603	8,153	10,545	8,334	3,770†	880†	50†	0
Black or African American	AHCCCS	3,110†	*	51	148	719	917	760	413	94	*	0
	IHS	0	0	0	0	0	0	0	0	0	0	0
	Private insurance	1,340†	0	8	15	157	349	448	284	71	*	0
	Self-pay	170†	0	*	*	20	55	41	34	10	*	0
	Unknown	170†	*	*	*	29	51	64	13	8	0	0
	TOTAL	4,780†	0†	60†	170†	925	1,372	1,313	744	183	10†	0
American Indian or Alaska Native	AHCCCS	2,670†	*	76	157	680	691	662	349	55	0	0
	IHS	580†	0	15	39	146	149	144	68	14	*	0
	Private insurance	560†	0	7	14	97	146	172	96	25	*	0
	Self-pay	60†	0	*	*	11	23	14	7	*	0	0
	Unknown	36	0	0	0	7	8	11	10	0	0	0
	TOTAL	3,900†	0†	100†	210†	941	1,017	1,003	530	100†	0†	0
Asian or Pacific Islander	AHCCCS	710†	0	*	20	124	227	192	110	34	*	0
	IHS	0†	0	0	0	0	0	0	0	*	0	0
	Private insurance	2,300†	0	*	*	77	398	1,006	658	148	9	0
	Self-pay	150†	0	*	*	12	32	62	29	7	0	0
	Unknown	100†	0	0	*	6	26	35	23	7	*	0
	TOTAL	3,260†	0	10†	30†	219	683	1,295	820	200†	10†	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, 2023

		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	1,840†	*	42	104	418	515	443	243	65	*	*
	1st trimester	55,608	10	396	1,521	9,900	16,784	16,712	8,437	1,733	115	0
	2nd trimester	13,830†	*	244	644	3,041	3,942	3,543	1,857	521	35	0
	3rd trimester	4,635	8	129	236	1,112	1,291	1,113	591	149	6	0
	Unknown	1,970†	0	40	90	407	606	515	245	59	*	0
	TOTAL	77,881	30†	851	2,595	14,878	23,138	22,326	11,373	2,527	160†	0†
White non- Hispanic	No care	510†	*	*	12	84	150	145	82	23	*	*
	1st trimester	24,780†	*	75	397	3,349	7,365	8,295	4,373	860	63	0
	2nd trimester	4,599	0	31	118	816	1,351	1,330	727	210	16	0
	3rd trimester	1,400†	*	15	42	266	399	388	230	55	6	0
	Unknown	750†	0	*	18	125	256	223	101	23	*	0
	TOTAL	32,040†	0†	130†	587	4,640	9,521	10,381	5,513	1,171	90†	0†
Hispanic or Latino	No care	1,000†	*	26	74	278	281	202	113	28	0	0
	1st trimester	22,993	9	248	914	5,279	7,402	5,920	2,620	567	34	0
	2nd trimester	6,760†	*	172	411	1,725	1,957	1,554	716	199	16	0
	3rd trimester	2,370†	*	82	153	676	669	486	227	68	0	0
	Unknown	790†	0	28	51	195	236	172	90	19	*	0
	TOTAL	33,909	20†	556	1,603	8,153	10,545	8,334	3,766	881	51	0
Black or African American	No care	140†	*	*	11	24	43	41	12	6	0	0
	1st trimester	3,103	0	33	93	595	916	866	480	114	6	0
	2nd trimester	1,060†	0	13	43	215	289	272	177	48	*	0
	3rd trimester	350†	*	13	14	61	93	96	57	11	0	0
	Unknown	130†	0	*	6	30	31	38	18	*	*	0
	TOTAL	4,780†	0†	60†	167	925	1,372	1,313	744	183	10†	0
American Indian or Alaska Native	No care	150†	0	11	6	25	28	46	30	*	*	0
	1st trimester	2,300†	0	39	101	560	614	623	317	47	*	0
	2nd trimester	874	0	26	67	219	221	193	121	27	0	0
	3rd trimester	350†	*	17	25	86	90	84	40	8	0	0
	Unknown	223	0	6	13	51	64	57	22	10	0	0
	TOTAL	3,900†	0†	99	212	941	1,017	1,003	530	100†	0†	0
Asian or Pacific Islander	No care	40†	0	*	*	7	13	9	6	*	0	0
	1st trimester	2,430†	0	*	16	117	487	1,008	647	145	9	0
	2nd trimester	550†	0	*	*	66	124	194	116	37	*	0
	3rd trimester	170†	0	*	*	23	40	59	37	7	0	0
	Unknown	70†	0	0	*	6	19	25	14	*	0	0
	TOTAL	3,258	0	10†	30†	219	683	1,295	820	200†	10†	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, 2023

		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	1,840†	*	42	104	418	515	443	243	65	*	*
	1-4 visits	3,700†	*	91	202	886	1,055	904	438	114	6	0
	5-8 visits	12,997	6	232	592	2,859	3,756	3,393	1,746	391	22	0
	9-12 visits	34,725	7	331	1,077	6,540	10,315	10,267	5,051	1,064	73	0
	13+ visits	23,882	7	141	592	4,015	7,257	7,116	3,825	871	58	0
	Unknown	737	0	14	28	160	240	203	70	22	0	0
	TOTAL	77,881	30†	851	2,595	14,878	23,138	22,326	11,373	2,527	160†	0†
White non- Hispanic	No visits	510†	*	*	12	84	150	145	82	23	*	*
	1-4 visits	940†	*	11	28	174	276	259	138	47	*	0
	5-8 visits	4,360†	*	24	108	765	1,274	1,294	732	152	12	0
	9-12 visits	14,790	0	61	265	2,105	4,327	4,910	2,563	516	43	0
	13+ visits	11,130†	*	26	169	1,461	3,384	3,675	1,965	423	27	0
	Unknown	310†	0	*	*	51	110	98	33	10	0	0
	TOTAL	32,040†	0†	130†	587	4,640	9,521	10,381	5,513	1,171	90†	0†
Hispanic or Latino	No visits	1,000†	*	26	74	278	281	202	113	28	0	0
	1-4 visits	1,920†	*	54	140	523	556	413	188	42	*	0
	5-8 visits	6,260†	*	170	368	1,602	1,846	1,469	634	163	8	0
	9-12 visits	15,071	7	212	649	3,618	4,747	3,819	1,639	356	24	0
	13+ visits	9,406	6	87	353	2,064	3,041	2,375	1,175	287	18	0
	Unknown	250†	0	7	19	68	74	56	17	*	0	0
	TOTAL	33,909	20†	556	1,603	8,153	10,545	8,334	3,766	881	50†	0
Black or African American	No visits	140†	*	*	11	24	43	41	12	6	0	0
	1-4 visits	328	0	10	14	74	85	84	46	15	0	0
	5-8 visits	970†	*	12	45	207	294	238	141	30	*	0
	9-12 visits	1,970†	0	25	60	381	559	556	312	73	*	0
	13+ visits	1,330†	0	14	36	228	380	385	225	59	*	0
	Unknown	40†	0	0	*	11	11	9	8	0	0	0
	TOTAL	4,780†	0†	60†	167	925	1,372	1,313	744	183	10†	0
American Indian or Alaska Native	No visits	150†	0	11	6	25	28	46	30	*	*	0
	1-4 visits	398	0	16	19	93	110	110	44	6	0	0
	5-8 visits	880†	*	22	61	228	224	214	110	23	0	0
	9-12 visits	1,430†	0	33	94	342	361	375	189	31	*	0
	13+ visits	920†	0	13	29	224	251	227	147	26	*	0
	Unknown	130†	0	*	*	29	43	31	10	6	0	0
	TOTAL	3,900†	0†	99	212	941	1,017	1,003	530	100†	0†	0
Asian or Pacific Islander	No visits	40†	0	*	*	7	13	9	6	*	0	0
	1-4 visits	120†	0	0	*	22	28	38	22	*	*	0
	5-8 visits	520†	0	*	10	57	118	178	129	23	*	0
	9-12 visits	1,470†	0	0	9	94	321	607	348	88	*	0
	13+ visits	1,100†	0	*	*	38	201	454	313	76	7	0
	Unknown	20†	0	0	0	*	*	9	*	*	0	0
	TOTAL	3,258	0	10†	30†	219	683	1,295	820	200†	10†	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, 2023**

	TOTAL	Prenatal care					Visits		
		No care	1st trimester	2nd trimester	3rd trimester	Un- known	Less than 5	5 or more	Un- known
TOTAL	77,881	1,840†	55,608	13,830†	4,640†	1,970†	5,540	71,604	740†
Mother's age group									
<15	30†	*	10	*	8	0	7	20	0
15-17	851	42	396	244	129	40	133	704	14
18-19	2,595	104	1,521	644	236	90	306	2,261	28
20-24	14,878	418	9,900	3,041	1,112	407	1,304	13,414	160
25-29	23,138	515	16,784	3,942	1,291	606	1,570	21,328	240
30-34	22,326	443	16,712	3,543	1,113	515	1,347	20,776	203
35-39	11,373	243	8,437	1,857	591	245	681	10,622	70
40-44	2,527	65	1,733	521	149	59	179	2,326	22
45+	160†	*	115	35	6	*	11	153	0
Unknown	0†	*	0	0	0	0	*	0	0
Payer for birth									
AHCCCS	36,160	1,193	23,548	7,724	2,687	1,008	3,554	32,233	373
IHS	630	23	360	132	76	39	93	512	25
Private insurance	33,758	222	27,368	4,372	1,198	598	984	32,545	229
Self-pay	4,538	355	2,596	964	423	200	700	3,768	70
Unknown	2,795	48	1,736	640	251	120	209	2,546	40
Mother's education									
8th Grade or Less	1,914	144	895	583	227	65	354	1,543	17
Some High School	8,513	424	4,993	2,052	760	284	1,177	7,235	101
High School / GED	22,221	577	15,153	4,480	1,428	583	1,792	20,223	206
Some College	15,889	262	11,751	2,669	813	394	865	14,868	156
Associate Degree	6,707	110	5,033	1,060	346	158	349	6,296	62
Bachelor's Degree	14,835	143	11,673	2,017	706	296	576	14,147	112
Postgraduate Education	7,212	63	5,874	866	290	119	250	6,932	30
Unknown	590	118	236	105	65	66	177	360	53
Marital status									
Married	41,796	484	32,082	6,351	1,982	897	1,815	39,665	316
Unmarried ^a	35,407	1,274	23,186	7,335	2,586	1,026	3,573	31,437	397
Unknown	678	83	340	146	67	42	152	502	24
Weight gain									
Inadequate	16,848	581	11,076	3,253	1,457	481	1,780	14,898	170
Adequate	23,524	465	17,067	4,248	1,253	491	1,479	21,869	176
Excessive	36,466	595	27,209	6,136	1,769	757	1,905	34,297	264
Unknown	1,043	200	256	195	156	236	376	540	127
Smoking during pregnancy									
Non-smoker	75,608	1,585	54,436	13,337	4,429	1,821	5,037	69,928	643
Light smoker (less than 10 cigarettes per day)	958	102	490	224	101	41	216	725	17
Heavy smoker (10 or more cigarettes per day)	687	97	360	144	57	29	176	497	14
Unknown	628	57	322	127	48	74	111	454	63
Length of gestation									
<37 weeks	7,684	494	5,235	1,280	301	374	1,240	6,288	156
37-41 weeks	69,937	1,295	50,304	12,485	4,316	1,537	4,227	65,166	544
42+ weeks	166	20	67	52	17	10	31	133	*
Unknown	90†	32	*	15	*	44	42	17	35

TABLE B-31 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2023

	TOTAL	Prenatal care					Visits	
		No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more
Weight at birth	<1,000 grams	480†	316	82	*	28	194	273
	1,000-1,499	509	354	87	8	26	109	384
	1,500-2,499	5,299	3,564	1,024	253	208	652	4,561
	2,500-3,999	65,867	47,192	11,649	4,032	1,573	4,310	60,977
	4,000+ grams	5,681	4,173	978	337	113	262	5,383
	Unknown	50†	9	12	*	17	13	26
Newborn intensive care	Yes	6,075	4,026	1,100	307	247	947	5,015
	No	71,806	51,582	12,732	4,328	1,718	4,593	66,589
Method of delivery	Vaginal	53,372	37,855	9,605	3,204	1,386	3,776	49,060
	C-Section	22,595	16,400	3,891	1,315	526	1,613	20,807
	Forceps	250†	*	190	37	15	14	233
	Vacuum	1,657	52	1,163	299	101	136	1,504
	Unknown	10†	*	0	0	6	*	0
	Total	40,883	29,274	7,428	2,546	980	2,380	38,151
Obstetric procedures^b	Induction of labor	25,027	18,122	4,632	1,583	462	1,136	23,777
	Augmentation of labor	22,495	16,001	3,996	1,397	615	1,530	20,703
	Cervical cerclage	160†	*	117	27	7	13	142
	Tocolysis	272	7	202	50	6	22	247
	External cephalic version successful	90†	*	64	21	*	6	86
	External cephalic version failed	200†	*	145	34	12	12	186
Births with medical risk factors^b	Total	23,521	16,712	4,238	1,405	625	1,789	21,504
	Pre-existing diabetes	1,090	22	805	186	50	66	1,013
	Gestational diabetes	8,059	58	5,978	1,432	424	347	7,659
	Pre-existing hypertension	1,644	28	1,220	270	85	124	1,510
	Gestational hypertension	8,063	211	5,696	1,426	498	666	7,307
	Eclampsia	120†	6	94	11	*	14	102
	Previous preterm birth	3,516	135	2,397	653	209	412	3,055
	Other previous poor pregnancy outcome	4,493	94	3,288	792	232	315	4,148
	Gonorrhea	196	20	111	37	18	39	153
	Syphilis	460	50	226	119	46	118	335
	Chlamydia	1,867	58	1,108	447	185	235	1,600
	Hepatitis B	90†	*	52	26	10	13	81
	Hepatitis C	190	27	78	51	24	52	133

TABLE 1B-31 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2023

	TOTAL	Prenatal care				Visits			
		No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
Births with complications of labor and delivery ^b	Total	25,328	731	17,945	4,445	1,454	753	22,945	320
	Premature rupture of the membranes	4,357	115	3,126	763	206	147	3,890	61
	Precipitous labor	5,849	232	4,145	999	336	137	5,272	64
	Prolonged labor	2,147	34	1,617	345	99	52	2,006	23
	Breech presentation	3,249	107	2,333	553	153	103	2,882	45
	Chorioamnionitis	1,787	40	1,258	345	100	44	1,643	17
	Meconium staining of the amniotic fluid	5,395	183	3,764	941	368	139	4,872	65
	Fetal intolerance	8,490	214	5,892	1,554	479	351	7,691	156
	Maternal transfusion	577	34	364	121	36	22	480	10
	Third or fourth degree perineal laceration	370†	*	265	58	28	13	342	6
	Ruptured uterus	30†	0	19	7	*	*	30	*
	Unplanned Hysterectomy	50†	*	29	9	*	6	39	*
	Admission to intensive care unit	130†	22	72	24	*	9	92	*
	Unplanned surgery following delivery	201	10	126	43	12	10	175	*
Abnormal conditions of the newborn ^b	Total	4,297	251	2,867	780	217	182	3,586	90
	Assisted ventilation immediately after delivery	3,425	194	2,325	614	164	128	2,876	54
	Assisted ventilation for more than 6 hours	2,093	138	1,401	370	82	102	1,692	53
	Surfactant replacement therapy	365	36	229	72	8	20	250	12
	Suspected neonatal sepsis	1,631	141	1,031	301	78	80	1,272	43
	Seizure or serious neurologic dysfunction	30†	*	18	7	0	*	26	*
	Significant birth injury	100†	*	67	21	6	*	91	*
	Total	321	12	189	82	22	16	272	8
Congenital anomalies of the newborn ^b	Anencephalus	0†	*	*	0	0	*	*	0
	Spina bifida / Meningocele	15	0	9	6	0	0	15	0
	Cyanotic congenital heart disease	70†	*	37	17	10	*	57	*
	Congenital diaphragmatic hernia	10†	0	*	*	*	*	9	*
	Omphalocele / Gastroschisis	20†	0	14	*	*	0	17	0
	Limb reduction defect	10†	*	7	*	*	*	11	0
	Cleft lip / palate	60†	*	38	14	*	0	49	0
	Down syndrome	50†	*	28	15	*	0	43	0
	Suspected chromosomal disorder	50†	*	32	13	0	0	41	0
	Hypospadias	10†	0	6	*	*	*	12	0
	Unknown congenital anomalies	50†	*	22	12	*	8	34	6

**TABLE 1B-32
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2023**

	TOTAL	Weight at birth			Length of gestation			
		<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
TOTAL	77,881	6,280†	71,548	50†	7,680†	69,937	170†	90†
Mother's age group	<15	*	25	0	*	23	0	0
	15-17	85	766	0	100	747	*	*
	18-19	2,600†	245	*	252	2,334	*	6
	20-24	14,878	1,129	13,739	10	1,309	13,529	27
	25-29	23,138	1,648	21,473	17	2,001	21,045	58
	30-34	22,326	1,769	20,545	12	2,231	20,036	40
	35-39	11,373	1,065	10,302	6	1,355	9,975	27
	40-44	2,527	306	2,219	*	393	2,122	9
	45+	164	35	129	0	38	126	0
	Unknown	0†	0	0	*	0	0	*
	AHCCCS	36,160	3,236	32,910	14	3,982	32,064	66
	IHS	630	35	594	*	57	572	0
Payer for birth	Private insurance	33,758	2,547	31,207	*	3,043	30,640	63
	Self-pay	4,538	283	4,233	22	330	4,149	36
	Unknown	2,800†	183	2,604	8	272	2,512	*
	8th Grade or Less	1,914	174	1,738	*	262	1,640	7
	Some High School	8,513	824	7,688	*	1,008	7,474	18
Mother's education	High School / GED	22,221	1,836	20,369	16	2,212	19,935	41
	Some College	15,889	1,221	14,653	15	1,531	14,320	26
	Associate Degree	6,707	538	6,168	*	668	6,023	13
	Bachelor's Degree	14,835	1,012	13,817	6	1,198	13,590	40
	Postgraduate Education	7,212	582	6,628	*	687	6,504	20
	Unknown	590†	97	487	6	118	451	*
	Married	41,796	3,019	38,754	23	3,794	37,867	100
	Unmarried ^a	35,407	3,161	32,225	21	3,768	31,525	63
Weight gain	Unknown	680†	104	569	*	122	545	*
	Inadequate	16,848	2,011	14,815	22	2,081	14,704	31
	Adequate	23,524	1,875	21,639	10	2,237	21,227	40
	Excessive	36,466	2,242	34,216	8	3,168	33,191	92
Smoking during pregnancy	Unknown	1,040†	156	878	9	198	815	*
	Non-smoker	75,608	5,924	69,643	41	7,264	68,112	160
	Light smoker (less than 10 cigarettes per day)	960†	138	816	*	150	800	*
	Heavy smoker (10 or more cigarettes per day)	690†	116	571	0	136	547	*
	Unknown	630†	106	518	*	134	478	*

TABLE 1B-32 continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2023

		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	1,841	332	1,501	8	494	1,295	20	32
	1st trimester	55,608	4,234	51,365	9	5,235	50,304	67	*
	2nd trimester	13,832	1,193	12,627	12	1,280	12,485	52	15
	3rd trimester	4,635	263	4,369	*	301	4,316	17	*
	Unknown	1,965	262	1,686	17	374	1,537	10	44
Prenatal visits	No visits	1,841	332	1,501	8	494	1,295	20	32
	1-4 visits	3,699	623	3,071	*	746	2,932	11	10
	5-8 visits	12,997	1,781	11,207	9	2,252	10,712	27	6
	9-12 visits	34,725	2,203	32,514	8	2,658	32,012	47	8
	13+ visits	23,882	1,234	22,639	9	1,378	22,442	59	*
	Unknown	740†	111	616	10	156	544	*	35
Newborn intensive care	Yes	6,075	2,892	3,178	*	3,434	2,613	9	19
	No	71,806	3,392	68,370	44	4,250	67,324	157	75
Method of delivery	Vaginal	53,372	2,959	50,368	45	3,615	49,567	114	76
	C-Section	22,595	3,244	19,349	*	3,967	18,570	46	12
	Forceps	250†	13	237	0	21	228	*	0
	Vacuum	1,660†	66	1,591	0	81	1,571	*	0
	Unknown	10†	*	*	*	0	*	0	6
	Total	40,883	2,413	38,469	1	2,681	38,097	91	14
Obstetric procedures ^b	Induction of labor	25,027	1,721	23,305	*	1,579	23,379	65	*
	Augmentation of labor	22,495	1,013	21,481	*	1,374	21,068	42	11
	Cervical cerclage	159	57	102	0	67	92	0	0
	Tocolysis	272	89	183	0	115	157	0	0
	External cephalic version successful	90†	*	87	0	*	87	0	0
	External cephalic version failed	198	14	184	0	15	183	0	0
	Total	23,521	3,062	20,454	5	3,970	19,523	17	11
	Pre-existing diabetes	1,090	139	951	0	290	800	0	0
	Gestational diabetes	8,060†	675	7,380	*	1,057	6,999	*	*
	Pre-existing hypertension	1,640†	323	1,321	0	390	1,252	*	*
	Gestational hypertension	8,063	1,419	6,644	0	1,768	6,286	8	*
	Eclampsia	117	40	77	0	52	65	0	0
Births with medical risk factors ^b	Previous preterm birth	3,520†	766	2,750	0	1,129	2,383	*	*
	Other previous poor pregnancy outcome	4,490†	603	3,890	0	666	3,824	*	*
	Gonorrhea	196	23	173	0	31	163	0	*
	Syphilis	460	71	389	0	75	382	0	*
	Chlamydia	1,870†	173	1,693	*	218	1,646	*	*
	Hepatitis B	90†	*	91	0	6	87	*	0
	Hepatitis C	190	23	167	0	36	153	0	*

TABLE 1B-32 continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2023

	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	25,328	2,955	22,359	14	3,498	21,729	65	36
	Premature rupture of the membranes	4,360†	837	3,518	*	1,215	3,136	*	*
	Precipitous labor	5,849	484	5,355	10	560	5,259	7	23
	Prolonged labor	2,147	148	1,999	0	187	1,944	16	0
	Breech presentation	3,250†	975	2,272	*	1,122	2,124	*	*
	Chorioamnionitis	1,790†	134	1,653	0	164	1,620	*	*
	Meconium staining of the amniotic fluid	5,395	264	5,130	*	297	5,054	32	12
	Fetal intolerance	8,490	1,004	7,486	0	1,011	7,454	22	*
	Maternal transfusion	580†	131	446	0	156	418	*	*
	Third or fourth degree perineal laceration	370†	6	363	0	8	360	*	0
	Ruptured uterus	32	7	25	0	7	25	0	0
	Unplanned Hysterectomy	47	12	35	0	22	25	0	0
	Admission to intensive care unit	132	51	81	0	60	72	0	0
Unplanned surgery following delivery	201	41	159	*	47	154	0	0	
Abnormal conditions of the newborn ^b	Total	4,297	1,707	2,586	4	2,027	2,251	7	12
	Assisted ventilation immediately after delivery	3,425	1,332	2,090	*	1,589	1,822	6	8
	Assisted ventilation for more than 6 hours	2,090†	1,094	998	*	1,296	787	*	*
	Surfactant replacement therapy	365	298	67	0	331	34	0	0
	Suspected neonatal sepsis	1,630†	853	776	*	996	623	*	8
	Seizure or serious neurologic dysfunction	29	6	23	0	9	20	0	0
	Significant birth injury	100†	9	91	*	14	86	*	0
	Total	320†	98	222	1	99	219	1	2
	Anencephalus	0†	*	0	0	*	*	0	0
	Spina bifida / Meningocele	20†	*	11	0	*	10	0	0
Congenital anomalies of the newborn ^b	Cyanotic congenital heart disease	68	18	50	0	19	49	0	0
	Congenital diaphragmatic hernia	10†	6	*	*	*	9	0	0
	Omphalocele / Gastroschisis	20	10	10	0	13	7	0	0
	Limb reduction defect	10†	*	9	0	*	8	0	0
	Cleft lip / palate	60†	13	45	0	14	43	*	0
	Down syndrome	47	10	37	0	12	35	0	0
	Suspected chromosomal disorder	47	18	29	0	15	32	0	0
	Hypospadias	10†	*	8	0	*	9	0	0
	Unknown congenital anomalies	49	17	32	0	19	28	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 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, 2023**

	TOTAL	Mother's age group										Un- known
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+		
TOTAL		27	851	2,595	14,878	23,138	22,326	11,373	2,527	164	2	
Mother's race/ethnicity	White non-Hispanic	32,040†	*	127	587	4,640	9,521	10,381	5,513	1,171	90	
	Hispanic or Latino	33,909	20	556	1,603	8,153	10,545	8,334	3,766	881	51	
	Black or African American	4,780†	*	62	167	925	1,372	1,313	744	183	8	
	American Indian or Alaska Native	3,900†	*	99	212	941	1,017	1,003	530	95	*	
	Asian or Pacific Islander	3,260†	0	7	26	219	683	1,295	820	197	11	
	AHCCCS	36,160	21	708	2,094	9,818	10,780	7,994	3,811	886	47	
Payer for birth	IHS	630†	0	15	39	159	165	163	71	17	0	
	Private insurance	33,760†	*	65	307	3,676	9,875	11,950	6,456	1,328	99	
	Self-pay	4,540†	0	46	94	694	1,415	1,436	661	181	10	
	Unknown	2,800†	*	17	61	531	903	783	374	115	7	
	8th Grade or Less	1,914	15	91	106	391	403	422	325	151	10	
Mother's education	Some High School	8,513	12	672	1,060	2,561	1,918	1,318	768	193	11	
	High School / GED	22,220†	0	82	1,175	6,875	7,180	4,541	1,929	416	23	
	Some College	15,890†	0	*	208	3,234	5,337	4,624	2,042	412	31	
	Associate Degree	6,710†	0	0	30	848	2,254	2,193	1,109	259	14	
	Bachelor's Degree	14,840†	0	*	*	833	4,603	5,894	2,910	556	37	
	Postgraduate Education	7,210†	0	0	0	61	1,302	3,159	2,170	489	31	
Marital status	Unknown	590†	0	*	15	75	141	175	120	51	7	
	Married	41,800†	0	13	198	4,111	12,723	15,051	7,873	1,708	119	
	Unmarried ^a	35,407	27	837	2,393	10,708	10,234	7,067	3,336	766	38	
	Unknown	680†	0	*	*	59	181	208	164	53	7	
	Inadequate	16,848	11	234	579	3,204	4,906	4,736	2,562	569	46	
Weight gain	Adequate	23,520†	*	244	733	4,155	6,937	7,067	3,517	812	55	
	Excessive	36,466	12	346	1,249	7,293	10,981	10,271	5,141	1,112	61	
	Unknown	1,040†	0	27	34	226	314	252	153	34	*	
	Non-smoker	75,608	26	836	2,548	14,509	22,514	21,639	10,952	2,423	160	
	Light smoker (less than 10 cigarettes per day)	960†	0	7	24	141	281	298	166	40	*	
Smoking during pregnancy	Heavy smoker (10 or more cigarettes per day)	690†	*	*	*	85	179	237	147	33	*	
	Unknown	630†	0	7	21	143	164	152	108	31	*	
	<37 weeks	7,680†	*	100	252	1,309	2,001	2,231	1,355	393	38	
	37-41 weeks	69,937	23	747	2,334	13,529	21,045	20,036	9,975	2,122	126	
	42+ weeks	170†	0	*	*	27	58	40	27	9	0	
Length of gestation	Unknown	90†	0	*	6	13	34	19	16	*	*	
	<1,000 grams	480†	0	12	23	75	122	139	82	21	*	
	1,000-1,499	510†	*	6	17	86	129	156	80	29	*	
	1,500-2,499	5,300†	*	67	205	968	1,397	1,474	903	256	28	
	2,500-3,999	65,867	25	741	2,237	12,812	19,767	18,709	9,418	2,032	124	
Weight at birth	4,000+ grams	5,680†	0	25	111	927	1,706	1,836	884	187	*	
	Unknown	50†	0	0	*	10	17	12	6	*	0	

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2023

		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	1,840†	*	42	104	418	515	443	243	65	*	*
	1st trimester	55,608	10	396	1,521	9,900	16,784	16,712	8,437	1,733	115	0
	2nd trimester	13,830†	*	244	644	3,041	3,942	3,543	1,857	521	35	0
	3rd trimester	4,635	8	129	236	1,112	1,291	1,113	591	149	6	0
	Unknown	1,970†	0	40	90	407	606	515	245	59	*	0
Prenatal visits	No visits	1,840†	*	42	104	418	515	443	243	65	*	*
	1-4 visits	3,700†	*	91	202	886	1,055	904	438	114	6	0
	5-8 visits	12,997	6	232	592	2,859	3,756	3,393	1,746	391	22	0
	9-12 visits	34,725	7	331	1,077	6,540	10,315	10,267	5,051	1,064	73	0
	13+ visits	23,882	7	141	592	4,015	7,257	7,116	3,825	871	58	0
Newborn intensive care	Unknown	740†	0	14	28	160	240	203	70	22	0	0
	Yes	6,080†	*	61	204	1,042	1,600	1,751	1,071	304	39	*
Method of delivery	No	71,806	25	790	2,391	13,836	21,538	20,575	10,302	2,223	125	*
	Vaginal	53,372	21	695	2,057	11,140	16,513	14,724	6,839	1,319	63	*
	C-Section	22,600†	*	114	445	3,303	6,067	7,095	4,315	1,152	98	*
	Forceps	250†	0	*	7	42	70	75	39	14	0	0
	Vacuum	1,660†	*	39	86	393	485	431	179	40	*	0
Obstetric procedures ^b	Unknown	10†	0	0	0	*	*	*	*	*	0	0
	Total	40,883	10	526	1,631	8,680	12,448	10,915	5,411	1,197	65	0
	Induction of labor	25,027	6	268	853	5,012	7,551	6,695	3,692	900	50	0
	Augmentation of labor	22,495	6	330	1,012	5,016	6,901	6,011	2,671	518	30	0
	Cervical cerclage	160†	0	*	0	21	43	47	34	11	*	0
	Tocolysis	270†	0	*	19	50	84	76	32	7	0	0
	External cephalic version successful	90†	0	0	*	*	26	30	22	8	0	0
	External cephalic version failed	200†	0	*	*	39	45	53	46	9	0	0
	Total	23,520†	4	201	619	4,026	6,397	6,921	4,173	1,094	85	1
	Pre-existing diabetes	1,090†	0	*	6	119	232	331	294	102	*	0
Births with medical risk factors ^b	Gestational diabetes	8,060†	0	22	104	888	2,084	2,678	1,768	480	35	0
	Pre-existing hypertension	1,640†	0	*	17	197	369	513	398	137	9	0
	Gestational hypertension	8,060†	*	86	284	1,588	2,311	2,197	1,233	333	28	0
	Eclampsia	120†	0	*	*	19	35	30	25	*	*	0
	Previous preterm birth	3,520†	0	*	29	407	962	1,144	742	208	19	0
	Other previous poor pregnancy outcome	4,490†	0	8	53	621	1,285	1,441	842	226	17	0
	Gonorrhea	200†	*	13	15	70	41	38	15	*	0	*
	Syphilis	460†	0	10	20	122	112	128	58	9	0	*
	Chlamydia	1,870†	*	86	200	826	446	214	84	8	*	0
	Hepatitis B	90†	0	0	0	13	29	22	25	*	*	0
Hepatitis C	190†	0	*	*	14	50	80	33	7	0	*	

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2023

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un- known
Births with complications of labor and delivery ^b	Total	25,328	9	278	877	4,853	7,487	7,197	3,742	825	59	1
	Premature rupture of the membranes	4,360†	*	61	177	1,023	1,267	1,140	554	125	9	0
	Precipitous labor	5,850†	*	48	122	828	1,712	1,896	1,049	183	7	*
	Prolonged labor	2,150†	0	21	90	485	661	578	267	42	*	0
	Breech presentation	3,250†	*	30	73	435	853	1,007	662	164	23	0
	Chorioamnionitis	1,790†	0	18	113	492	569	387	163	44	*	0
	Meconium staining of the amniotic fluid	5,400†	*	60	211	1,174	1,697	1,452	657	140	*	0
	Fetal intolerance	8,490†	*	100	355	1,856	2,532	2,233	1,096	286	29	0
	Maternal transfusion	580†	0	11	30	116	151	151	89	26	*	0
	Third or fourth degree perineal laceration	370†	0	11	18	70	114	108	41	7	0	0
	Ruptured uterus	30†	0	0	0	*	10	15	*	*	0	0
	Unplanned Hysterectomy	50†	0	0	0	*	*	22	10	7	*	0
	Admission to intensive care unit	130†	0	0	*	19	34	39	29	7	*	0
	Unplanned surgery following delivery	200†	0	*	*	33	43	61	43	15	*	0
	Total	4,300†	2	45	146	807	1,154	1,212	701	209	21	0
	Assisted ventilation immediately after delivery	3,430†	*	29	108	617	917	981	575	178	19	0
	Assisted ventilation for more than 6 hours	2,090†	0	20	62	364	555	614	361	105	12	0
	Surfactant replacement therapy	370†	0	6	12	63	97	104	63	19	*	0
	Suspected neonatal sepsis	1,630†	*	26	71	343	412	450	247	77	*	0
	Seizure or serious neurologic dysfunction	30†	0	0	*	7	8	6	*	*	0	0
	Significant birth injury	100†	0	*	*	18	31	29	15	*	0	0
	Total	320†	0	4	12	62	85	70	53	31	4	0
	Anencephalus	0†	0	*	0	*	0	0	*	0	0	0
	Spina bifida / Meningocele	20†	0	0	0	*	*	*	*	0	0	0
Congenital anomalies of the newborn ^b	Cyanotic congenital heart disease	70†	0	*	*	12	22	21	*	*	0	0
	Congenital diaphragmatic hernia	10†	0	*	*	*	*	*	*	0	0	0
	Omphalocele / Gastroschisis	20†	0	*	*	*	6	*	*	0	0	0
	Limb reduction defect	10†	0	*	0	*	*	*	*	0	0	0
	Cleft lip / palate	60†	0	0	*	11	16	14	11	*	0	0
	Down syndrome	50†	0	0	0	*	*	*	15	15	*	0
	Suspected chromosomal disorder	50†	0	0	*	11	8	10	12	*	*	0
	Hypospadias	10†	0	0	0	*	*	*	*	*	0	0
	Unknown congenital anomalies	50†	0	0	*	6	21	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, 2023**

	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	321	176	145	125	67	58	141	74	67	15	6	9	29	22	7	11	7	4
Anencephalus	0†	*	*	0	0	0	0†	*	*	0	0	0	0	0	0	0	0	0
Spina bifida / Meningocele	15	7	8	10†	*	*	10†	*	*	0	0	0	0†	0	*	0	0	0
Cyanotic congenital heart disease	68	35	33	26	11	15	25	13	12	10†	*	*	10†	*	*	10†	*	0
Congenital diaphragmatic hernia	10†	*	7	0†	*	*	10†	*	6	0†	*	0	0	0	0	0	0	0
Omphalocele / Gastroschisis	20	14	6	10†	*	*	10†	7	*	0†	*	0	0†	*	*	0	0	0
Limb reduction defect	12	6	6	0†	*	*	10†	*	*	0†	0	*	0†	*	0	0	0	0
Cleft lip / palate	58	32	26	23	11	12	25	16	9	0†	0	*	10†	*	*	0†	*	*
Down syndrome	47	27	20	20	11	9	21	12	9	0†	*	0	0†	*	*	0†	0	*
Suspected chromosomal disorder	47	22	25	19	10	9	21	9	12	0†	0	*	0†	*	0	0†	0	*
Hypospadias	12	12	0	7	7	0	0†	*	0	0	0	0	0†	*	0	0	0	0
Unknown congenital anomalies	49	29	20	18	12	6	22	10	12	0†	*	0	10†	*	*	0†	*	*
Ratio per 100 births^a	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.4	0.7	1.1	0.4	0.3	0.4	0.2

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.



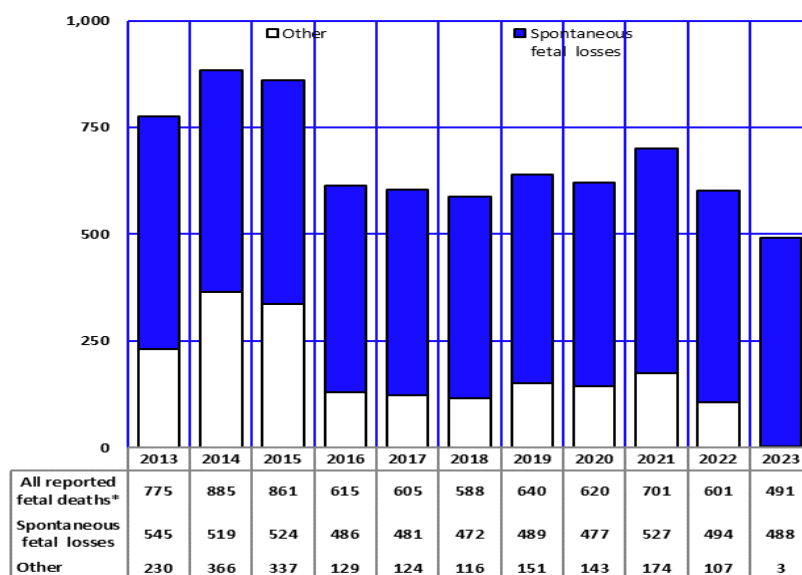
1C.

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

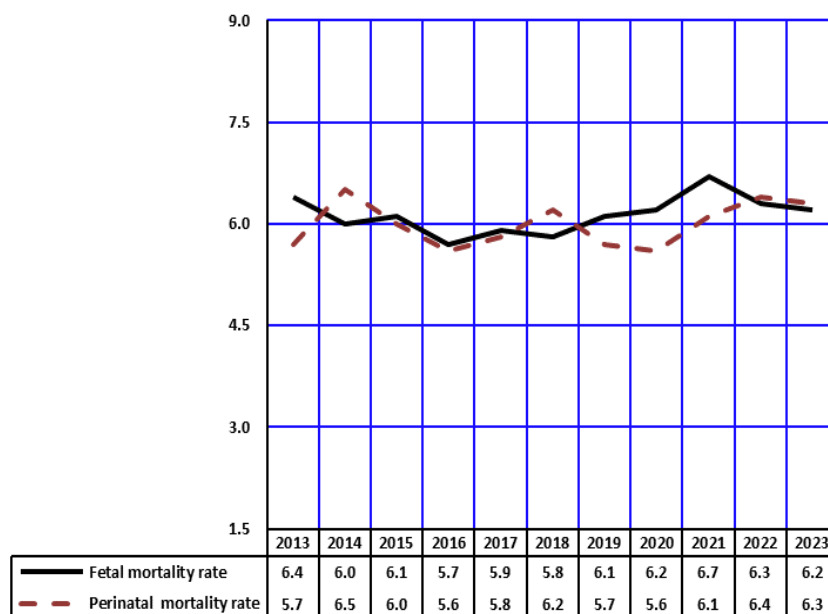
Figure 1C-1
Trends in Fetal Deaths, Arizona, 2013-2023



The number of all reported fetal deaths in Arizona (including late term abortions) in 2023 was 491, an 18.3 percent decrease from 2022 (**Figure 1C-1, Table 1C-3**). The annual number of reportable spontaneous fetal losses decreased 1.2 percent from 494 in 2022 to 488 in 2023. (**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, 2013-2023



The fetal mortality rate decreased slightly from a rate of 6.3 deaths at 20 or more weeks of gestation per 1,000 live births in 2022 to a rate of 6.2 deaths in 2023.

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 mortality rate of 6.3 in 2023 was the third highest since 2013 after 6.5 in 2014 and 6.4 in 2022 (**Figure 1C-2, Table 1C-3**).

Early infant deaths accounted for 236 or 48.0 percent of the 492 perinatal deaths in 2023 (**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, 2013-2023

In 2023, 25 women giving birth were reported to have died from maternal causes (**Table 1C-1**). This represents a 3.8 percent decrease from the number of maternal deaths recorded in 2022. 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 278 maternal deaths from 2013 to 2023, 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**).

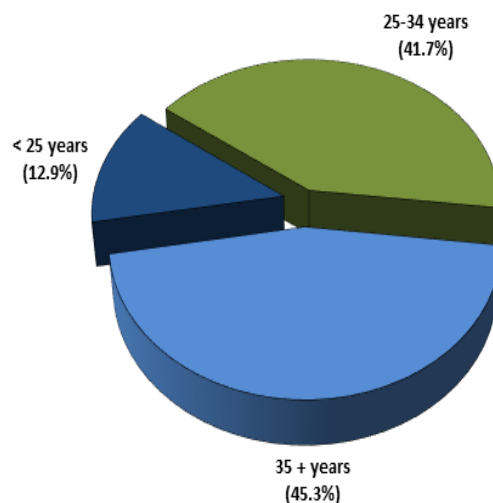
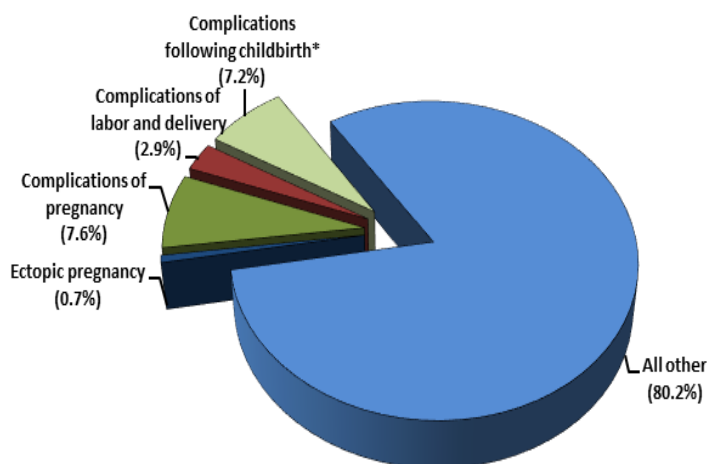


Figure 1C-4
Causes of Maternal Mortality^a, Arizona, 2013-2023

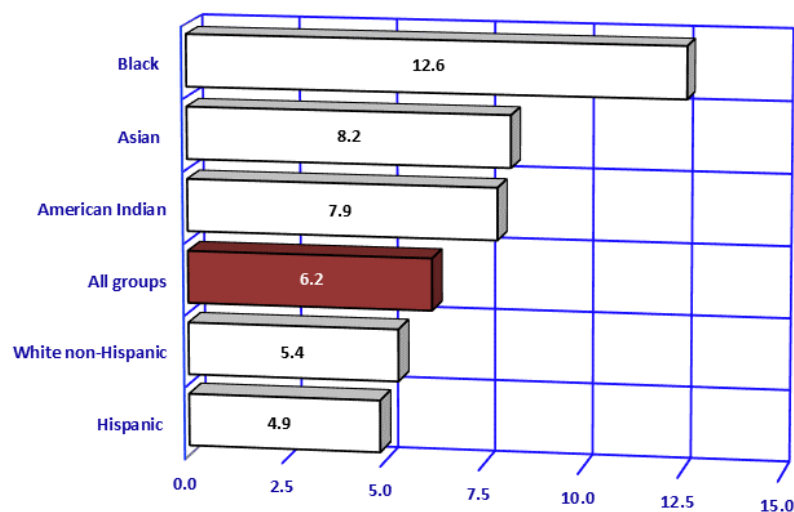
In the eleven-year period from 2013 to 2023, the major causes of maternal deaths in the state have included complications following childbirth (i.e. complications of the puerperium), complications mainly related to pregnancy, complications occurring in the course of labor and delivery, and ectopic pregnancy. All other possible causes of maternal death accounted for 80.2 percent of the maternal deaths from 2013 to 2023 (**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

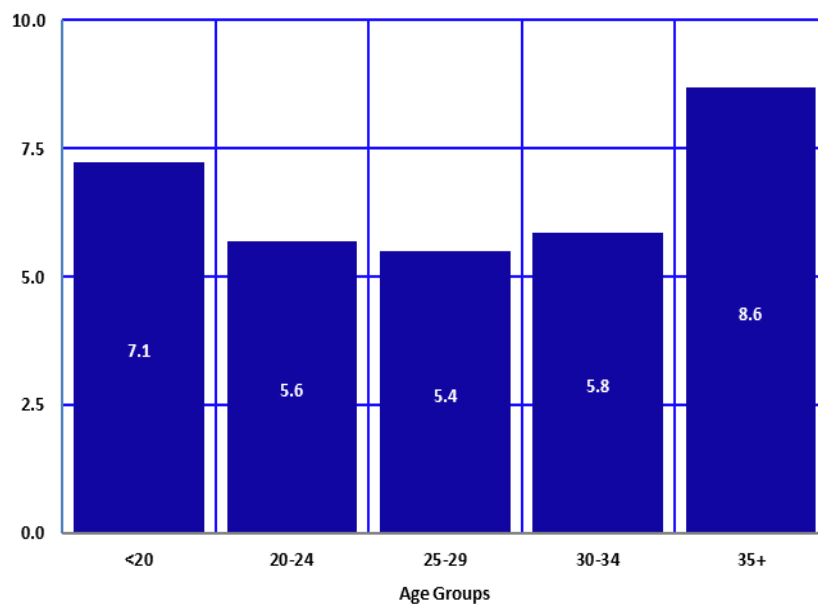
Figure 1C-5
Fetal Mortality Rates by Race/Ethnicity, Arizona, 2023



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 12.6 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 or Pacific Islander women (8.2) and American Indian and Alaska Natives (7.9) while the rates of White non-Hispanic women (5.4) and Hispanic or Latino (4.9), 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, 2023



Fetal mortality rates vary by maternal age (**Figure 1C-6**). In 2023 fetal mortality rates were lowest for women aged 25-29 years and highest for women aged 35+ years. The fetal mortality rate for mothers aged 35 and older decreased slightly from 8.8 in 2022 to 8.6 in 2023.

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, 2013-2023

Year	Total maternal deaths ^b	Under <15	15-19	20-24	25-29	30-34	35-39	40-44	45+
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
2022	30†	0	*	*	7	6	*	*	0
2023	30†	0	*	6	7	*	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 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, 2013-2023

Cause of death (ICD-9/ICD-10 codes)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
PREGNANCY WITH ABORTIVE OUTCOME (O00-O07)	*	*	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	*	*	0	*
COMPLICATIONS OCCURRING IN THE COURSE OF LABOR AND DELIVERY (O60-O75)	*	0	*	0	0	*	0	*	*	0	*
COMPLICATIONS OF THE PUERPERIUM^a (O85-O92)	0	0	*	*	6	*	*	*	0	*	*
ALL OTHER	*	7	*	20	11	30	40	35	33	22	18
TOTAL	10†	10†	10†	30†	23	30†	40†	40†	40†	30†	30†

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, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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.	775	885	861	615	605	588	640	620	701	601	491
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).	554	653	665	613	602	583	638	617	698	595	489
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.	545	519	524	486	481	472	489	477	527	494	488
RATE OF REPORTABLE SPONTANEOUS FETAL LOSSES^a	6.4	6.0	6.1	5.7	5.9	5.8	6.1	6.2	6.7	6.3	6.2
NUMBER OF PERINATAL DEATHS	483	551	510	475	472	501	453	434	480	501	492
Spontaneous fetal losses of 28 or more weeks of gestation	262	265	275	236	238	247	247	223	242	240	256
Infant deaths of less than 7 days	221	286	235	239	234	254	206	211	238	261	236
PERINATAL DEATH RATE^b	5.7	6.5	6.0	5.6	5.8	6.2	5.7	5.6	6.1	6.4	6.3

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, 2013-2023**

Characteristic	Year										
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total reportable spontaneous fetal losses	545	519	524	486	481	472	489	477	527	494	488
Gender											
Male	260	293	296	248	226	222	271	236	254	267	244
Female	256	222	225	227	234	246	215	219	223	221	236
Unknown	29	*	*	11	21	*	*	22	50	6	8
Mother's race/ethnicity											
White non-Hispanic	247	205	200	204	207	205	187	186	214	205	173
Hispanic or Latino	205	182	227	195	171	174	196	177	202	186	167
Black or African American	40	48	50	47	47	42	58	50	64	52	61
American Indian or Alaska Native	40	47	40	36	40	36	37	41	26	33	31
Asian or Pacific Islander	13	17	7	*	16	15	11	23	21	18	27
Refused/Unknown	0	20	0	0	0	0	0	0	0	0	29
Mother's age group											
<15	0	0	0	0	0	0	0	*	*	0	*
15-17	18	25	18	10	7	8	7	10	*	9	*
18-19	34	27	30	27	25	16	26	16	27	25	20
20-24	115	120	101	94	104	85	89	107	108	91	84
25-29	159	131	135	123	118	138	132	123	142	124	126
30-34	123	117	122	121	125	125	133	116	135	123	130
35-39	79	67	83	71	75	75	76	86	81	89	83
40-44	13	30	27	36	18	22	24	14	26	29	36
45+	*	0	*	*	*	*	0	*	*	*	*
Unknown	*	*	*	*	6	0	*	0	*	*	*
Gestational age^b											
20-27 weeks	282	250	248	239	241	223	242	254	283	248	232
28+ weeks	262	265	275	236	238	247	247	223	242	240	256
Unknown	*	*	*	11	*	*	0	0	*	6	0
Weight in grams											
<350 grams	108	99	117	97	99	93	120	103	113	109	107
350-499	73	74	75	77	75	60	61	73	90	66	65
500-2,499	229	236	216	217	199	216	202	210	240	232	234
2,500-3,999	103	85	85	77	81	91	95	71	69	74	72
4,000+	6	9	9	6	14	8	7	12	11	6	8
Unknown	26	16	22	12	13	*	*	8	*	7	*

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

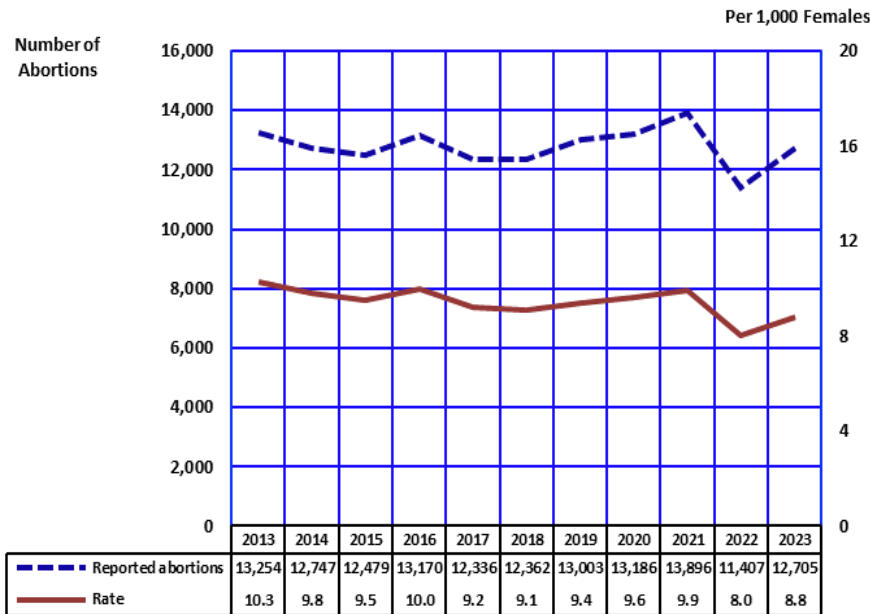
The Arizona Department of Health Services was authorized by Arizona Revised Statute §36-2161 to require healthcare facilities, providers, and physicians to submit abortion procedure reports to the department in order to develop statewide annual abortion statistics and demographic characteristics of women 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 2023, 3.4 percent (436) of abortion records had race and ethnicity identified as unknown, and 2.0 percent (251) 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, 2013-2023



During calendar year 2023, the Arizona Department of Health Services received a total of 12,705 reports of abortions obtained by Arizona residents, 1,298 more than the 11,407 reported in 2022 (**Figure 1-D1, Table 1D-1**).

There were 12,682 abortions in non-hospital clinics (**Table 1D-1**). Hospitals accounted for 22 abortion procedures, with 1 procedure being performed outside of clinics or hospitals.

Ninety-six percent of all reported abortions occurred at or before 13 weeks of pregnancy. Few (3.7%) 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, 2013-2023

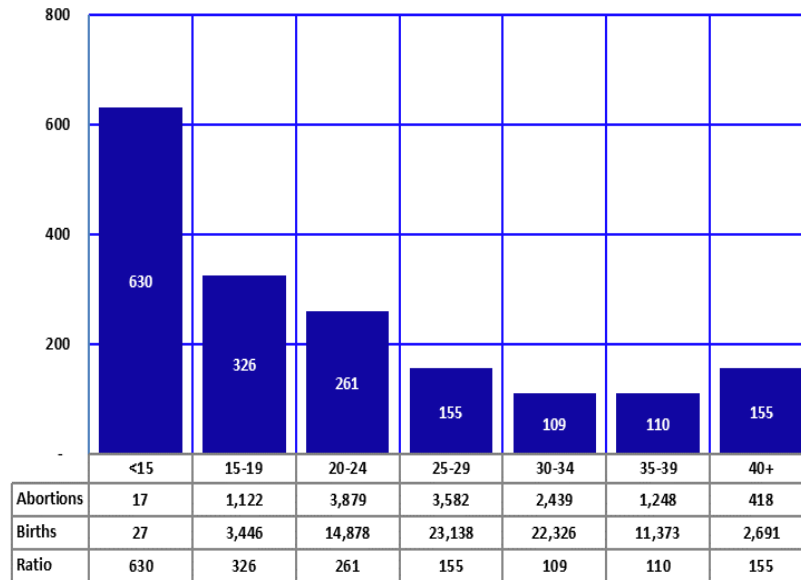


The rate of induced terminations of pregnancy per 1,000 female residents aged 15-44 increased from 8.0 in 2022 to 8.8 in 2023 (**Figure 1D-1**).

Trends in the percent of abortions conducted through surgical and non-surgical from 2013 to 2023 indicate shifting practices in methods used to complete abortions. In 2013, 71.9 percent of all abortion procedures were surgical procedures. Since then, the proportion of abortions conducted through surgical means has decreased, with 47.5 percent of all abortion procedures conducted in 2023 being surgical procedures.

1D. ABORTIONS

Figure 1D-3
Abortion Ratios^a by Age Group, Arizona Residents, 2023

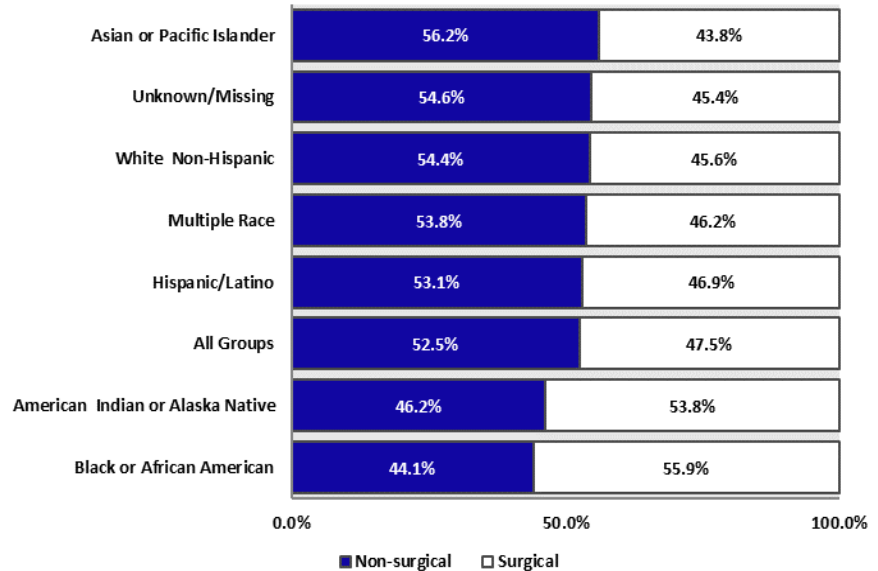


Abortion ratios (the number of abortions per 1,000 live births in each age group) vary by age at reported termination of pregnancy. Ratios were higher at the lower end of the age distribution of the childbearing period, i.e., among women under age <15, 15-19, and 20-24 years of age (**Figure-1D-3**).

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, 2023



In 2023, non-surgical (also called "medical") abortions made up 52.5 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, 2013-2023**

Characteristics	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ABORTIONS PERFORMED IN ARIZONA	13,401	12,900	12,655	13,332	12,533	12,438	13,097	13,273	13,998	11,530	12,888
RESIDENT ABORTIONS	13,254	12,747	12,479	13,170	12,336	12,362	13,003	13,186	13,896	11,407	12,705
RACE/ETHNICITY											
White non-Hispanic	2,515	5,562	5,378	5,321	4,762	4,807	4,798	4,684	4,645	3,761	3,834
Hispanic or Latino	4,189	4,499	4,350	4,823	4,639	4,679	5,093	5,349	6,080	5,103	6,011
Black or African American	189	981	1,074	1,253	1,196	1,229	1,372	1,594	1,662	1,314	1,428
American Indian	61	291	331	340	348	315	344	372	399	276	316
Asian or other Pacific Islander	110	534	532	608	598	552	612	550	530	413	429
Multiple race ^a	4,257	361	175	244	216	259	290	323	317	254	251
Refused/Unknown	1,933	519	639	581	577	521	494	314	263	286	436
AGE											
19 years and under	1,441	1,249	1,189	1,297	1,179	1,146	1,169	1,218	1,299	1,092	1,139
20-29 years	7,676	7,520	7,265	7,680	7,245	7,212	7,520	7,644	8,067	6,682	7,461
30 years and over	4,136	3,978	4,021	4,186	3,912	4,004	4,314	4,324	4,530	3,633	4,105
Not stated	*	0	*	7	0	0	0	0	0	0	0
YEARS OF EDUCATION											
Elementary/secondary (1-12)	2,400	1,372	2,561	3,234	3,228	3,457	3,971	3,820	4,659	3,563	4,683
College (1-4 or 5+)	2,522	2,706	3,203	3,801	3,365	2,966	3,355	3,045	3,864	2,896	3,723
None, not stated, or unknown	8,332	8,064	6,715	6,135	5,743	5,939	5,677	6,321	5,373	4,948	4,299
WEEKS OF GESTATION											
12 weeks or under	11,742	11,232	11,062	11,762	10,917	10,924	11,510	11,708	12,066	10,238	11,899
13 weeks or over	1,487	1,507	1,411	1,396	1,419	1,438	1,493	1,478	1,830	1,058	805
Not stated or unknown	25	8	6	12	0	0	0	0	0	111	*
FACILITY											
Clinic	13,023	12,671	12,065	13,139	12,301	12,308	12,957	13,140	13,838	11,373	12,682
Hospital	152	70	24	27	31	51	41	41	58	29	22
Other	79	6	390	*	*	*	*	*	0	*	*

TABLE 1D-1 (continued)
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2013-2023

Characteristics	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
PREVIOUS LIVE BIRTHS											
None	5,810	5,201	5,267	5,586	5,326	5,430	5,656	5,705	6,159	5,351	5,775
One or more	7,387	7,337	7,187	7,542	6,972	6,856	7,212	7,365	7,596	5,874	6,622
PREVIOUS ABORTIONS											
None	8,450	7,872	7,843	8,177	7,900	7,893	8,406	8,503	9,148	7,410	8,037
One or more	4,672	4,616	4,549	4,913	4,365	4,346	4,424	4,533	4,553	3,775	4,201
PREVIOUS SPONTANEOUS TERMINATIONS OF PREGNANCY											
None	10,825	10,241	10,146	10,462	9,930	9,932	10,460	10,532	10,976	9,012	9,840
One or more	2,283	2,213	2,220	2,613	2,307	2,302	2,324	2,456	2,613	2,062	2,236
NONSURGICAL ABORTIONS											
	3,731	3,550	3,996	4,412	4,529	4,973	5,156	6,624	6,715	5,791	6,671
ABORTION RATIO^b											
	156.0	147.1	146.8	156.0	151.1	153.5	164.2	171.7	178.5	145.6	163.1
ABORTION RATE^c											
	10.3	9.8	9.5	10.0	9.2	9.1	9.4	9.6	9.9	8.0	8.8

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, 2013-2023**

Race and Ethnicity		Year										
		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Percent of Abortions ^b												
White non-Hispanic		19.0	43.6	43.1	40.4	38.6	38.9	36.9	35.5	33.4	33.0	30.2
Hispanic or Latino		31.6	35.3	34.9	36.6	37.6	37.8	39.2	40.6	43.8	44.7	47.3
Black or African American		1.4	7.7	8.6	9.5	9.7	9.9	10.6	12.1	12.0	11.5	11.2
American Indian or Alaska Native		0.5	2.3	2.7	2.6	2.8	2.5	2.6	2.8	2.9	2.4	2.5
Asian or Pacific Islander		0.8	4.2	4.3	4.6	4.8	4.5	4.7	4.2	3.8	3.6	3.4
Multiple races		32.1	2.8	1.4	1.9	1.8	2.1	2.2	2.5	2.3	2.2	2.0
Refused/Unknown		14.6	4.1	5.1	4.4	4.7	4.2	3.8	2.4	1.9	2.5	3.4
Abortion Rates ^c												
White non-Hispanic		3.8	8.6	8.3	8.3	7.4	7.5	7.4	7.3	7.1	5.7	5.7
Hispanic or Latino		9.3	10.6	9.1	9.9	9.3	9.2	9.7	10.2	11.4	9.4	10.9
Black or African American		3.2	12.8	16.3	18.4	17.0	16.8	18.0	20.2	20.3	15.8	16.9
American Indian or Alaska Native		0.9	3.4	5.1	5.2	5.2	4.7	5.1	5.7	6.0	4.1	4.7
Asian or Pacific Islander		2.3	8.5	9.2	10.1	9.9	8.8	9.1	8.1	7.7	5.9	6.0
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		66	139	141	141	133	138	141	142	137	115	120
Hispanic or Latino		127	133	127	142	140	142	156	168	188	152	177
Black or African American		40	217	246	286	260	264	282	334	347	271	299
American Indian or Alaska Native		11	57	66	68	72	67	77	91	102	69	81
Asian or Pacific Islander		32	169	164	181	180	169	194	185	176	132	132
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, 2023**

Age	Gestational Age ^a					
	≤13 weeks		14 to 20 weeks		≥21 or more weeks	
	Count	Percent	Count	Percent	Count	Percent
<15 yrs	17	100.0	0	0.0	0	0.0
15-19 yrs	1,059	94.4	63	5.6	0	0.0
20-24 yrs	3,762	97.0	116	3.0	*	**
25-29 yrs	3,454	96.4	127	3.5	0	0.0
30-34 yrs	2,338	95.9	98	4.0	*	**
35-39 yrs	1,197	95.9	48	3.8	*	**
≥40 yrs	405	96.9	13	3.1	0	0.0
Totals^a	12,232	96.3	465	3.7	10[†]	0.1

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 Total counts do not add to 12,705 due to (1) unknown weeks of gestation.

**TABLE 1D-4
ABORTIONS BY WEEK OF GESTATION AND RACE/ETHNICITY, ARIZONA, 2023**

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			
Total	12,705	3,830†	6,010†	1,430†	320†	430†	250†	440†	
6 weeks or less	4,512	1,590	2,043	397	81	183	76	142	
7	2,665	817	1,259	299	59	85	49	97	
8	1,708	482	845	206	44	54	41	36	
9	1,297	324	643	164	42	30	34	60	
10	828	219	403	108	27	21	17	33	
11	469	109	234	68	7	17	9	25	
12	420	100	192	65	17	20	12	14	
13	333	83	156	48	16	8	9	13	
14	350†	79	184	48	19	*	*	9	
15	100†	23	49	19	*	*	*	6	
16	0	0	0	0	0	0	0	0	
17	10†	*	0	*	0	*	0	0	
18	0†	0	*	0	0	0	0	0	
19	0†	*	0	*	0	0	0	0	
20	10†	*	*	*	0	*	0	0	
21+	10†	*	0	0	0	*	0	*	
Unknown	0†	0	*	0	0	0	0	0	

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, 2013-2023

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.

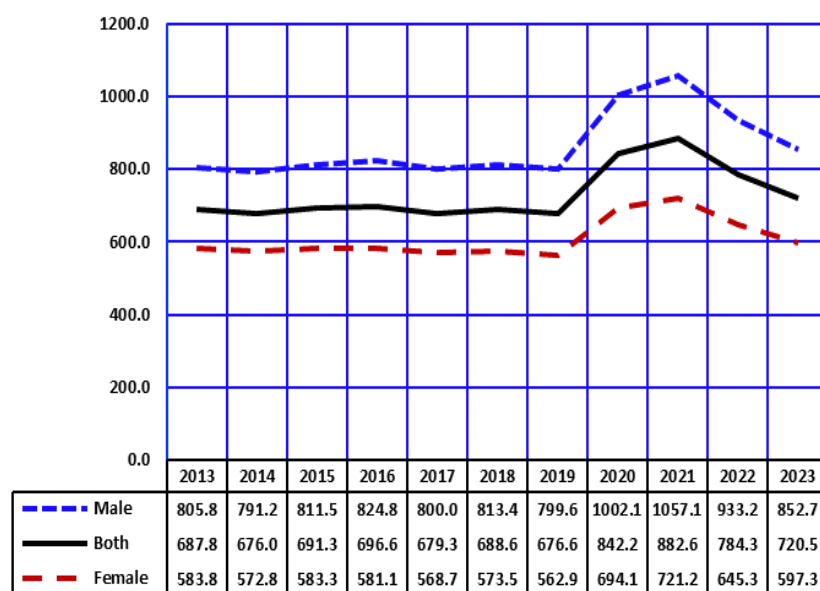
TOTAL MORTALITY

The total number of deaths from all causes among Arizona residents decreased by 6.6 percent from 73,861 in 2022 to 69,005 in 2023 (**Table 2A-1**). The age-adjusted mortality rate for all causes of death decreased 8.1 percent from 784.3/100,000 in 2022 to 720.5/100,000 in 2023. When considering race/ethnicity, we observe an increase in the age adjusted mortality of all racial/ethnic groups in 2023 compared to 2013 (**Figure 2A-2**).

There were some disparities by gender and race/ethnicity for total mortality. Deaths in Arizona by residents in 2023 mostly occurred in January (9.2 percent) and the smallest counts were recorded in September (7.6 percent) (**Table 2A-3**).

2A. TOTAL MORTALITY

Figure 2A-1
Age-adjusted Mortality Rates^a for all Causes by Gender and Year,
Arizona, 2013-2023



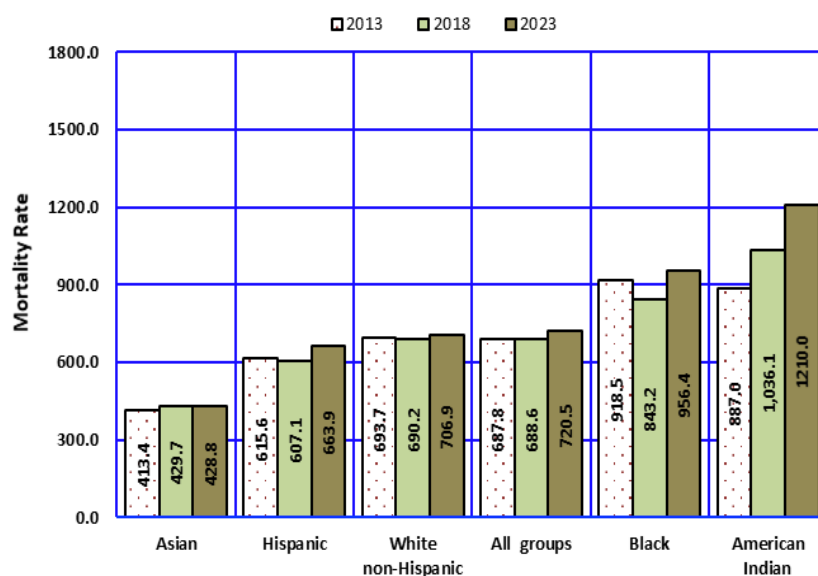
The age-adjusted mortality rates discussed below are based on the year 2000 population standard. All mortality rates in sections 2A and 2B are age-adjusted. A detailed explanation of the age-adjustment of mortality rates is given in the **Technical Notes**.

The total age-adjusted mortality rate decreased by 8.1 percent, from 784.3 deaths per 100,000 population in 2022 to 720.5 deaths in 2023 (**Figure 2A-1, Table 2B-2**). Over this period, the age-adjusted mortality rates decreased for both males (8.6 percent) and females (7.4 percent).

The gap between male and female mortality rates remained between 2013 and 2023. 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.

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

Figure 2A-2
Age-adjusted Mortality Rates^a for all Causes by Race/Ethnicity and Year,
Arizona Residents, 2013, 2018, and 2023



The 2023 age-adjusted death rates for the major racial/ethnic groups were as follows: for Asian or Pacific Islander, 428.8 deaths per 100,000 population; Hispanic or Latino, 663.9; White non-Hispanic, 706.9; Black or African American, 956.4; and American Indian or Alaska Native, 1210.0 (**Figure 2A-2, Table 2B-4**).

In 2023, as in 2013 and 2018, 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 2013, 2018, and 2023.

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

2A. TOTAL MORTALITY

Figure 2A-3
Percent of Annual Deaths by Month of Occurrence and Residence Status, Arizona, 2023

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 months of January, March, April, July, and December, contributed more than the expected value (**Figure 2A-3**). September was the month with the lowest percent contribution to the total annual deaths among Arizona residents (AZR).

The majority of the 2,993 non-residents who died in Arizona during 2023 did so during the months of January, February, March, and July.

August was the month with the lowest percent contribution (6.4 percent) to the annual death among out-of-State residents (OSR) who died in Arizona.

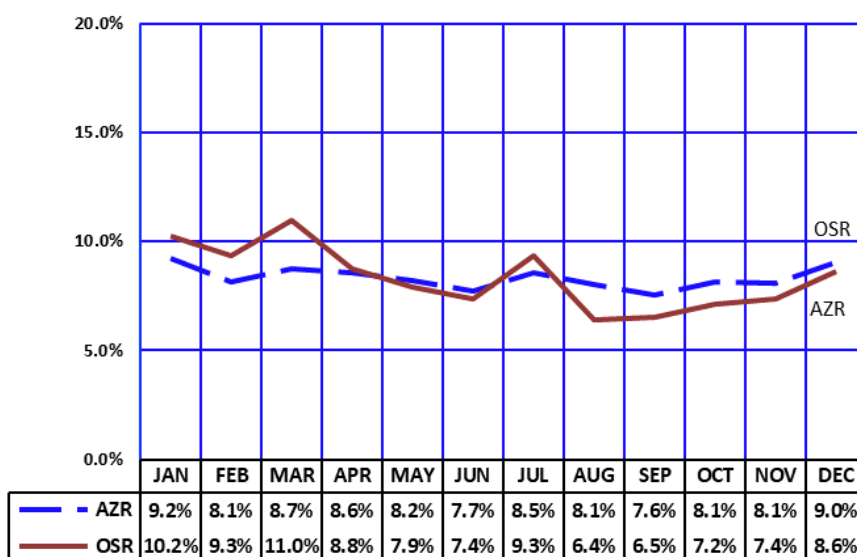


Figure 2A-4
Percentage of Deaths for which Autopsies were Reported by Race/Ethnicity and Year, Arizona Residents, 2013-2023

Autopsies were reported as performed on 6,321 decedents, or 9.2 percent of the deaths that occurred among Arizona residents in 2023. From 2013 – 2023, the percentage of deaths for which autopsies were reported varied from a low of 8.5 percent in 2020 to a high of 10.1 percent in 2016.

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 and Asian 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.

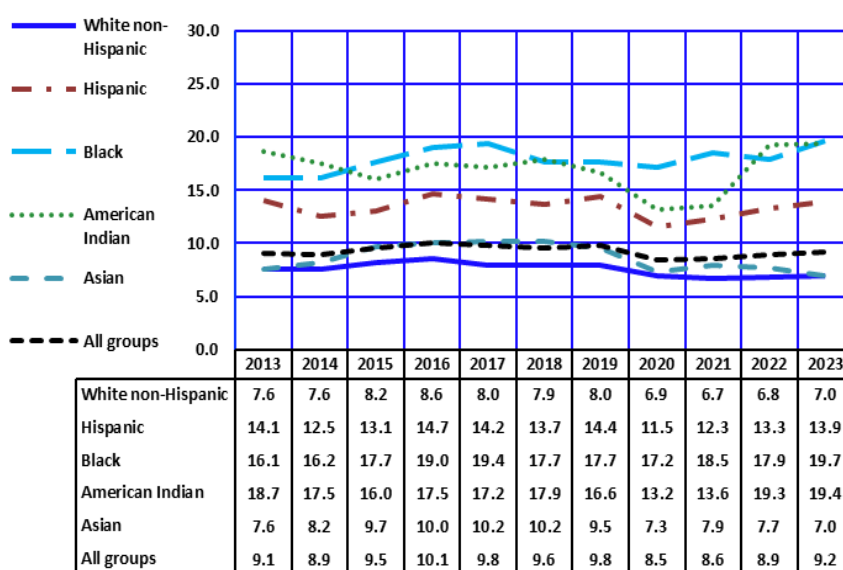


**TABLE 2A-1
NUMBER OF DEATHS BY RACE/ETHNICITY, GENDER, AND YEAR, ARIZONA RESIDENTS, 2013-2023**

TOTAL		2013^a	2014^a	2015^a	2016^a	2017^a	2018^a	2019^a	2020	2021	2022	2023
		Total	49,929	51,074	54,152	56,480	57,261	59,206	60,161	75,700	81,482	69,005
	Male	26,222	27,037	28,814	30,431	30,721	32,067	32,575	41,431	45,102	40,397	37,561
	Female	23,703	24,034	25,334	26,046	26,537	27,136	27,585	34,269	36,369	33,462	31,444
White non-Hispanic	Total	39,543	40,391	42,750	44,092	44,191	45,194	45,467	54,148	57,987	54,464	51,183
	Male	20,550	21,207	22,504	23,439	23,375	24,150	24,334	28,990	31,702	29,362	27,420
	Female	18,989	19,181	20,242	20,653	20,816	21,044	21,133	25,158	26,285	25,102	23,763
Hispanic or Latino	Total	6,300	6,444	6,839	7,343	7,539	8,088	8,488	12,504	13,785	11,225	10,268
	Male	3,412	3,543	3,814	4,154	4,197	4,629	4,770	7,277	7,998	6,396	5,792
	Female	2,888	2,901	3,025	3,189	3,341	3,458	3,718	5,227	5,787	4,829	4,476
Black or African American	Total	1,593	1,578	1,742	1,925	1,896	2,057	2,207	2,932	3,295	2,991	2,864
	Male	897	852	971	1,108	1,076	1,104	1,205	1,723	1,850	1,714	1,664
	Female	696	726	771	817	820	953	1,002	1,209	1,443	1,277	1,200
American Indian or Alaska Native	Total	1,955	2,074	2,140	2,346	2,355	2,527	2,599	4,290	4,380	3,530	3,121
	Male	1,103	1,152	1,187	1,365	1,334	1,445	1,463	2,412	2,463	2,050	1,813
	Female	852	922	953	981	1,021	1,081	1,136	1,878	1,917	1,480	1,308
Asian or Pacific Islander	Total	538	582	673	769	796	886	957	1,199	1,543	1,234	1,129
	Male	260	280	334	364	377	419	492	586	772	603	562
	Female	278	302	339	405	419	467	465	613	771	631	567
Refused/Unknown race	Total	^b	10 [†]	10 [†]	0 [†]	484	454	443	627	492	417	440
	Male	^b	*	*	*	362	320	311	443	317	272	310
	Female	^b	*	*	*	120	133	131	184	166	143	130

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, 2013-2023**

Month of death		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
JAN	Count	5,079	4,824	5,028	5,119	5,111	6,219	5,595	5,693	10,061	8,343	6,370
	Percent	10.2%	9.4%	9.3%	9.1%	8.9%	10.5%	9.3%	7.5%	12.3%	11.3%	9.2%
FEB	Count	4,383	4,227	4,267	5,135	4,514	4,832	4,724	5,275	6,566	6,664	5,616
	Percent	8.8%	8.3%	7.9%	9.1%	7.9%	8.2%	7.9%	7.0%	8.1%	9.0%	8.1%
MAR	Count	4,484	4,333	4,819	5,387	5,070	5,353	5,372	5,745	6,039	6,165	6,032
	Percent	9.0%	8.5%	8.9%	9.5%	8.9%	9.0%	8.9%	7.6%	7.4%	8.3%	8.7%
APR	Count	4,231	4,278	4,547	4,689	4,854	4,922	5,029	5,768	5,457	5,546	5,916
	Percent	8.5%	8.4%	8.4%	8.3%	8.5%	8.3%	8.4%	7.6%	6.7%	7.5%	8.6%
MAY	Count	4,076	4,291	4,527	4,603	4,867	4,768	5,098	5,833	5,749	5,769	5,663
	Percent	8.2%	8.4%	8.4%	8.1%	8.5%	8.1%	8.5%	7.7%	7.1%	7.8%	8.2%
JUN	Count	3,831	4,072	4,396	4,464	4,782	4,666	4,689	6,483	5,692	5,594	5,333
	Percent	7.7%	8.0%	8.1%	7.9%	8.4%	7.9%	7.8%	8.6%	7.0%	7.6%	7.7%
JUL	Count	3,926	4,071	4,338	4,496	4,739	4,761	4,923	8,243	5,836	6,066	5,899
	Percent	7.9%	8.0%	8.0%	8.0%	8.3%	8.0%	8.2%	10.9%	7.2%	8.2%	8.5%
AUG	Count	3,893	4,112	4,338	4,432	4,534	4,647	4,848	6,603	6,718	5,663	5,557
	Percent	7.8%	8.1%	8.0%	7.8%	7.9%	7.8%	8.1%	8.7%	8.2%	7.7%	8.1%
SEP	Count	3,804	3,994	4,183	4,253	4,423	4,505	4,755	5,390	6,865	5,473	5,216
	Percent	7.6%	7.8%	7.7%	7.5%	7.7%	7.6%	7.9%	7.1%	8.4%	7.4%	7.6%
OCT	Count	3,868	4,184	4,284	4,501	4,548	4,619	4,858	5,566	6,849	5,645	5,613
	Percent	7.7%	8.2%	7.9%	8.0%	7.9%	7.8%	8.1%	7.4%	8.4%	7.6%	8.1%
NOV	Count	3,924	4,239	4,543	4,518	4,547	4,706	5,058	6,048	7,328	6,142	5,566
	Percent	7.9%	8.3%	8.4%	8.0%	7.9%	7.9%	8.4%	8.0%	9.0%	8.3%	8.1%
DEC	Count	4,430	4,449	4,882	4,883	5,272	5,208	5,212	9,053	8,322	6,791	6,224
	Percent	8.9%	8.7%	9.0%	8.6%	9.2%	8.8%	8.7%	12.0%	10.2%	9.2%	9.0%
TOTAL	Count	49,929	51,074	54,152	56,480	57,261	59,206	60,161	75,700	81,482	73,861	69,005
	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, 2023**

Day of death	Month of death												Total
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	184	237	222	202	192	179	166	177	185	177	193	222	2,336
2	215	214	195	178	197	169	186	188	163	181	188	190	2,264
3	203	202	194	211	190	166	195	186	167	219	168	190	2,291
4	230	213	193	187	168	206	169	187	190	175	191	223	2,332
5	217	197	201	209	176	178	167	170	173	177	197	202	2,264
6	207	209	188	227	208	178	183	156	158	193	175	192	2,274
7	224	171	203	207	169	181	187	166	166	167	181	208	2,230
8	211	197	208	193	169	197	173	179	187	174	174	201	2,263
9	197	203	191	190	186	174	189	190	172	181	205	188	2,266
10	221	198	206	188	198	170	184	163	179	188	186	174	2,255
11	197	188	189	214	188	166	160	199	174	178	176	192	2,221
12	195	191	187	221	198	182	195	193	194	174	193	194	2,317
13	227	193	175	214	203	175	183	176	151	179	187	223	2,286
14	213	177	197	212	201	153	178	175	185	188	184	191	2,254
15	210	208	167	201	173	186	180	172	167	183	192	171	2,210
16	209	176	190	183	201	174	232	166	160	181	191	214	2,277
17	191	187	200	219	180	181	204	189	181	184	190	202	2,308
18	204	256	188	209	165	183	215	190	209	178	188	211	2,396
19	210	207	207	175	176	171	207	180	166	183	179	199	2,260
20	221	201	208	181	192	166	188	154	188	179	183	201	2,262
21	199	214	219	196	199	159	210	182	163	190	184	207	2,322
22	178	188	178	200	174	179	178	164	174	178	201	208	2,200
23	212	199	208	203	163	184	199	181	195	176	183	228	2,331
24	212	192	168	213	170	168	229	196	142	170	155	211	2,226
25	181	207	173	203	171	180	196	174	159	178	186	199	2,207
26	192	202	213	173	178	191	221	183	179	176	171	218	2,297
27	203	199	187	177	174	175	168	188	149	203	195	167	2,185
28	204	190	176	186	170	180	197	188	182	171	199	165	2,208
29	202		194	182	196	178	212	192	191	182	202	197	2,128
30	202		212	162	174	204	179	173	167	175	169	229	2,046
31	199		195		164		169	180		175		207	1,289
Total	6,370	5,616	6,032	5,916	5,663	5,333	5,899	5,557	5,216	5,613	5,566	6,224	69,005

**TABLE 2A-4
AGE-SPECIFIC MORTALITY BY PLACE OF DEATH AND DECEDENT STATUS, ARIZONA, 2023**

Age														
<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total			
IN HOSPITAL	In-patient	321	31	67	177	407	650	1,095	2,394	3,949	4,419	2,431	15,941	
	Out-patient ^a	71	42	39	174	308	341	386	606	773	730	411	3,881	
	Died on arrival	0	0	*	0	*	0	0	7	*	7	6	30†	
	Status unknown	14	15	31	168	489	796	1,223	2,906	5,517	7,135	6,502	24,796	
	Subtotal	406	88	140†	519	1,210†	1,787	2,704	5,913	10,240†	12,291	9,350	44,645	
NOT IN HOSPITAL	Nursing home ^b	19	7	9	12	49	105	269	646	1,387	1,864	1,725	6,092	
	Residence	0	0	0	*	13	31	108	482	1,559	3,754	5,971	11,920†	
	Other ^c	*	*	21	319	618	670	593	781	858	1,099	1,381	6,350†	
	Subtotal	20†	10†	30	330†	680	806	970	1,909	3,804	6,717	9,077	24,360	
TOTAL	430	97	168	853	1,885	2,593	3,674	7,822	14,048	19,008	18,427	69,005		

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).

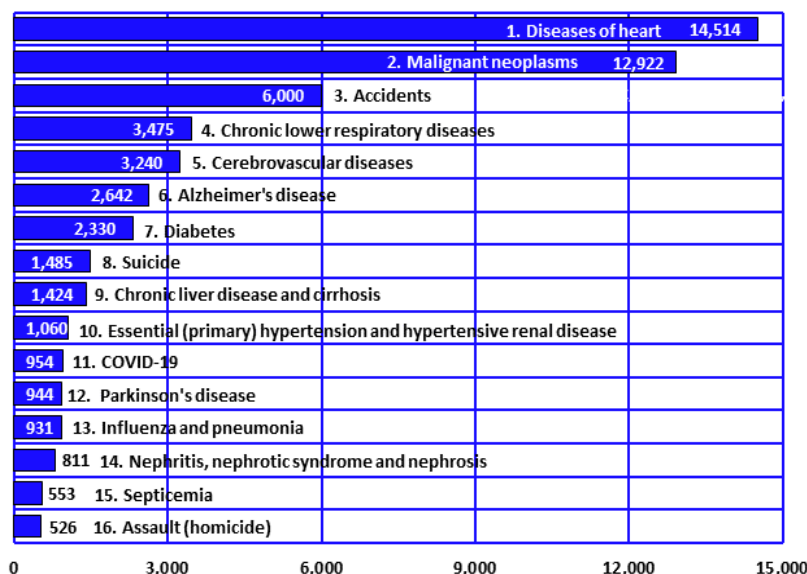
The death certificate now includes a new classification of the decedent’s racial/ethnic status, consistent with the revised federal standards for collecting and reporting racial and ethnic status. These standards were published in the Federal Register on October 30, 1997, as “Revisions to the Standards 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.federalregister.gov/>.

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 2023

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

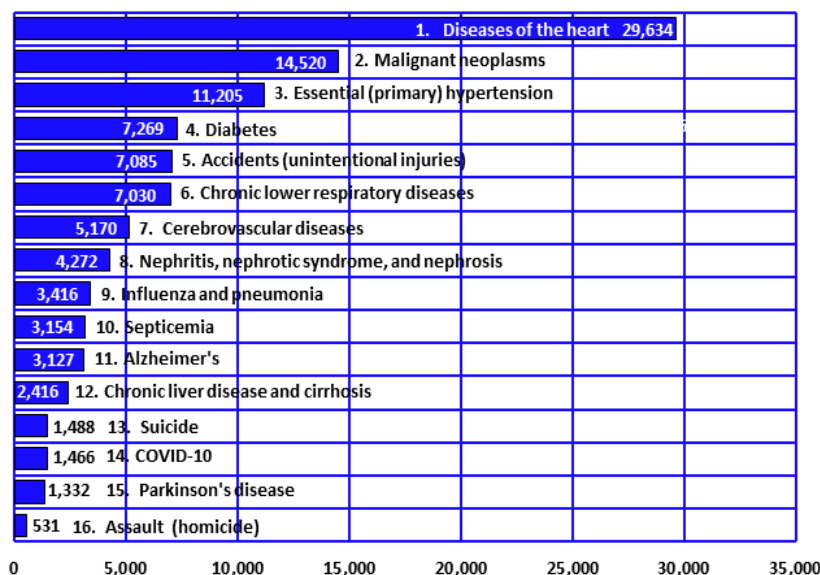


Based on the number of deaths (but not age-adjusted mortality rate), the leading underlying cause of death to Arizona residents in 2023 was *heart disease* (14,514 or 21.0 percent of all deaths), closely followed by *cancer*, which accounted for 12,922 or 18.7 percent of deaths (**Figure 2B-1A, Table 2B-1, Table 5E-14**).

The third leading cause of death, *accidents (unintentional injuries)* accounted for 6,000 or 8.7 percent of total deaths. Deaths due to *chronic lower respiratory diseases* ranked fourth in 2023, with 3,475 (5.0 percent) resident deaths reported. Deaths due to *cerebrovascular diseases* ranked fifth in 2023, with 3,240 (4.7 percent) resident deaths reported. Together, these five causes accounted for 58.2 percent of total deaths in 2023. The fifteen leading causes accounted for 77.2 percent of all deaths among Arizona residents.

Figure 2B-1B
Leading Causes of Death among Arizona Residents in 2023

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 14,514 deaths that had diseases of the heart assigned as the underlying cause, another 15,120 deaths had diseases of the heart assigned as a secondary cause of death. The sum of these two counts (29,634, **Figure 2B-1B**) is the total number of deaths that had any mention of diseases of the heart on the 2023 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 10th as the underlying cause but ranked 3rd when any mention of it was counted.

2B. LEADING CAUSES OF DEATH

Five Leading Causes by Gender

Figure 2B-2
Age-adjusted Mortality Rates^a for the Five Leading Causes of Death for Both Genders by Race/Ethnicity, Arizona, 2023

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 2023, diseases of the heart were the leading cause of death for White non-Hispanics, and Blacks. Cancer ranked 1st leading cause of death for Hispanics and Asians. Unintentional injury ranked 1st as the leading cause for American Indians. (**Figure 2B-2, Table 2B-4**). Chronic lower respiratory diseases were the 4th leading cause of death for only White non-Hispanics.

Cerebrovascular diseases ranked as the 4th leading cause of death for Hispanics, Black or African Americans, and Asians and 5th for White non-Hispanics, while Diabetes came in as the 5th leading cause of death specific to Hispanics, Blacks, American Indians, and Asians, while chronic liver disease and cirrhosis was unique to American Indians as the 4th highest ranking. (**Table 2B-4**).

Rank	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
1	Diseases of heart 148.9	Cancer 120.2	Diseases of heart 195.9	Unintentional injury 203.3	Cancer 88.3
2	Cancer 129.6	Diseases of heart 117.7	Cancer 166.9	Diseases of heart 157.0	Diseases of heart 79.6
3	Unintentional injury 71.1	Unintentional injury 63.7	Unintentional injury 98.7	Cancer 125.2	Unintentional injury 27.8
4	Chronic lower respiratory diseases 38.5	Cerebro-vascular diseases 38.5	Cerebro-vascular diseases 51.4	Chronic liver disease and cirrhosis 91.8	Cerebro-vascular diseases 25.9
5	Cerebro-vascular diseases 30.6	Diabetes 33.2	Diabetes 43.2	Diabetes 83.7	Diabetes 22.5

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, 2023

Based on age-adjusted mortality rates, cancer was the leading cause of death for Hispanic and Asian females. Diseases of the heart ranked 1st leading cause of death for White non-Hispanic, Black, and American Indian females. Unintentional injury ranked as the 2nd leading cause of death for American Indian females. Alzheimer's disease ranked as the 4th leading cause of death for Hispanic females and 5th for Black females. (**Figure 2B-3, Table 2B-4**).

Chronic lower respiratory diseases were the 4th leading cause of death specific to White non-Hispanic females. Chronic liver disease and cirrhosis also ranked 4th among the leading cause of death unique to American Indian women.

Cerebrovascular diseases ranked third among Hispanic and Asian females, 4th for Black or African American, while ranking fifth among White non-Hispanic women. Diabetes ranked 4th among Asian and 5th for American Indian females.

Rank	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
1	Diseases of heart 115.0	Cancer 107.1	Diseases of heart 158.9	Diseases of heart 118.2	Cancer 81.6
2	Cancer 114.3	Diseases of heart 89.5	Cancer 142.6	Unintentional injury 115.4	Diseases of heart 64.3
3	Unintentional injury 42.3	Cerebro-vascular diseases 37.2	Unintentional injury 52.4	Cancer 103.2	Cerebro-vascular diseases 25.6
4	Chronic lower respiratory diseases 39.8	Alzheimer's disease 33.6	Cerebro-vascular diseases 44.6	Chronic liver disease and cirrhosis 82.3	Diabetes 22.7
5	Cerebro-vascular diseases 31.0	Unintentional injury 31.7	Alzheimer's disease 40.0	Diabetes 66.9	Unintentional injury 15.4

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, 2023

Rank	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
1	Diseases of heart 186.7	Diseases of heart 152.2	Diseases of heart 237.7	Unintentional injury 299.8	Diseases of heart 102.2
2	Cancer 147.7	Cancer 138.2	Cancer 199.1	Diseases of heart 209.0	Cancer 96.7
3	Unintentional injury 99.9	Unintentional injury 96.5	Unintentional injury 143.3	Cancer 158.3	Unintentional injury 43.2
4	Chronic lower respiratory diseases 36.9	Cerebrovascular diseases 39.8	Cerebrovascular diseases 60.5	Diabetes 103.6	Cerebrovascular diseases 25.9
5	Intentional Self-harm Suicide 35.1	Diabetes 39.3	Diabetes 55.3	Chronic liver disease and cirrhosis 102.4	Diabetes 21.6

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 as the leading cause of death for all racial/ethnic groups except for American Indians who ranked second. Cancer was the second leading cause for White non-Hispanic, Hispanic, Black or African American, and Asian males, and third for American Indian males. (**Figure 2B-4; Table 2B-4**).

Unintentional injury ranked as first leading cause of death for American Indian males.

In 2023, based on the age-adjusted mortality rates, chronic lower respiratory diseases were the 4th leading cause of death specific to White non-Hispanic males, while cerebrovascular diseases also ranked fourth among Hispanic, Black or African American, and Asian males. Suicide specific to White non-Hispanic males and chronic liver disease and cirrhosis unique among American Indian males, ranked 5th. Diabetes ranked 4th leading cause of death among American Indian males and 5th to Hispanic, Black 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, 2023

Rank	Urban male	Urban female	Rural male	Rural female
1	Diseases of heart 178.1	Diseases of heart 111.0	Diseases of heart 206.7	Cancer 124.8
2	Cancer 142.4	Cancer 110.4	Cancer 165.4	Diseases of heart 117.6
3	Unintentional injury 100.8	Unintentional injury 40.6	Unintentional injury 137.4	Unintentional injury 53.0
4	Cerebrovascular diseases 31.9	Cerebrovascular diseases 32.6	Intentional Self-harm (suicide) 52.5	Chronic lower respiratory diseases 47.8
5	Diabetes 30.8	Chronic lower respiratory diseases 31.2	Chronic lower respiratory diseases 47.8	Cerebrovascular diseases 30.0

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.

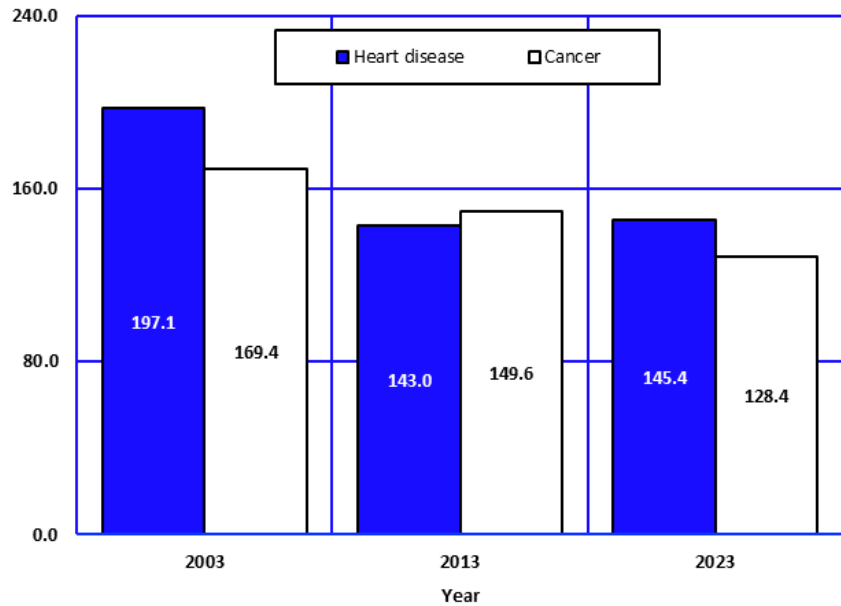
In 2023, diseases of the heart exceeded cancer as the leading causes of death among urban and rural males, and urban females, but came in 2nd for rural females. Cancer ranked first among rural females. Unintentional injury placed third among the leading causes for males and females regardless of area of residence. Cerebrovascular diseases ranked as the 4th leading cause among urban males and females while coming in 5th for rural females.

Chronic lower respiratory diseases ranked fourth among rural females and placed fifth among urban females and rural males. Intentional self-harm (suicide) ranked 4th and was specific to rural males, while diabetes specific to urban males ranked 5th leading cause of death (**Figure 2B-5, Table 2B-5**).

2B. LEADING CAUSES OF DEATH

Diseases of heart and malignant neoplasm (cancer)

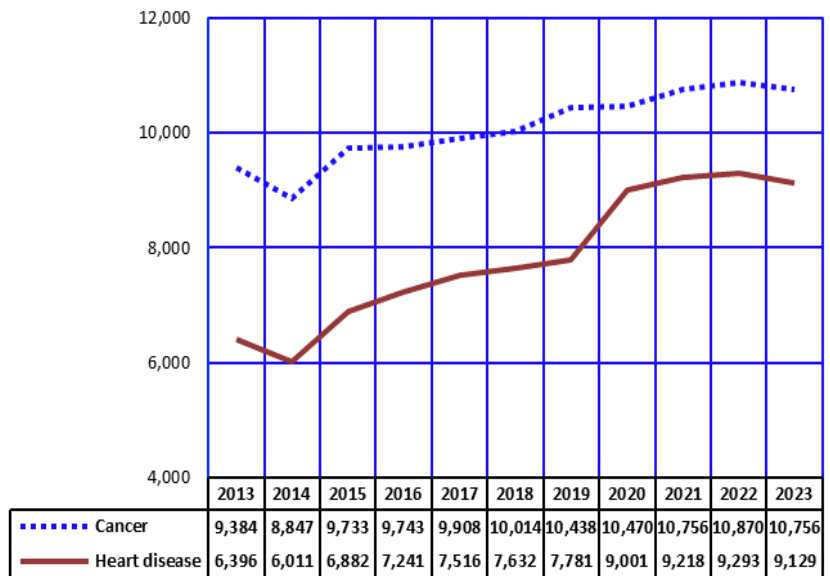
Figure 2B-6
Comparison of Age-adjusted Mortality Rates^a for Heart Disease and Cancer (Malignant Neoplasm), Arizona, 2003, 2013, and 2023



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

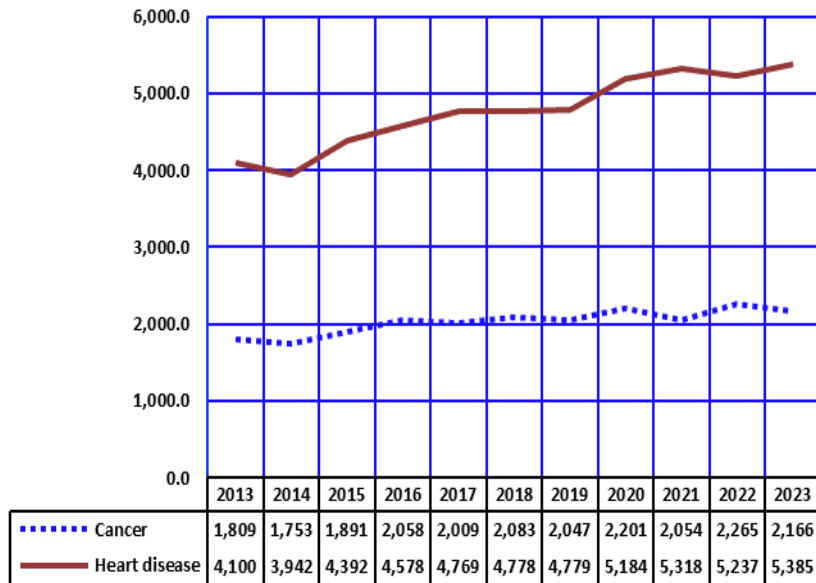
Figure 2B-7
Number of Deaths from Heart Disease and Cancer among Arizonans 0-84 Years, 2013-2023

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 2023, 1,627 more Arizonans 0-84 years old died from cancer (10,756) than heart disease (9,129).



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

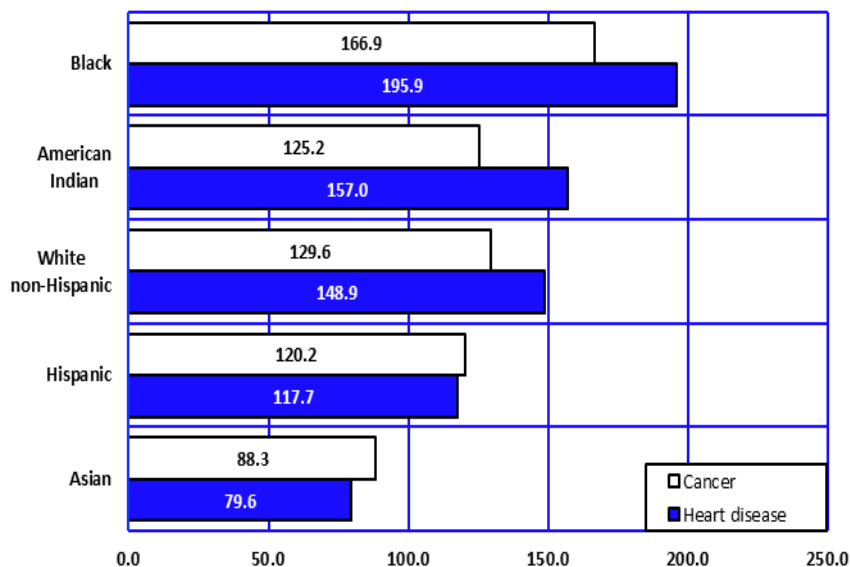
Figure 2B-8
Deaths from Heart Disease and Cancer among Arizonans 85+, 2013-2023



Among Arizonans age 85 and over, heart disease is the number one leading cause of death by a wide margin. In 2023, adults aged 85 and over accounted for 16.8 percent of all deaths from cancer but 37.1 percent of all deaths from heart disease. In 2023, the median age at death for heart disease was 80 years (**Table 2D-3**); and a minority of deaths (43.7 percent, **Table 2D-4**) were premature, i.e., before reaching the expected years of life at birth for all U.S. residents (78.4 years).

However, from 2013 to 2023, the number of deaths from cancer increased by 19.7 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, 2023



In Arizona, Black or African Americans were 2.5 times more likely to die from diseases of the heart and 1.9 times more likely to die from malignant neoplasms in 2023 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 1.9 times more likely to die of heart disease and 1.5 times more likely to die of cancer.

In 2023, the age-adjusted relative risk of death from heart disease exceeded cancer mortality risk (**Table 2B-3**) for most racial/ethnic groups except Hispanic and Asian.

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

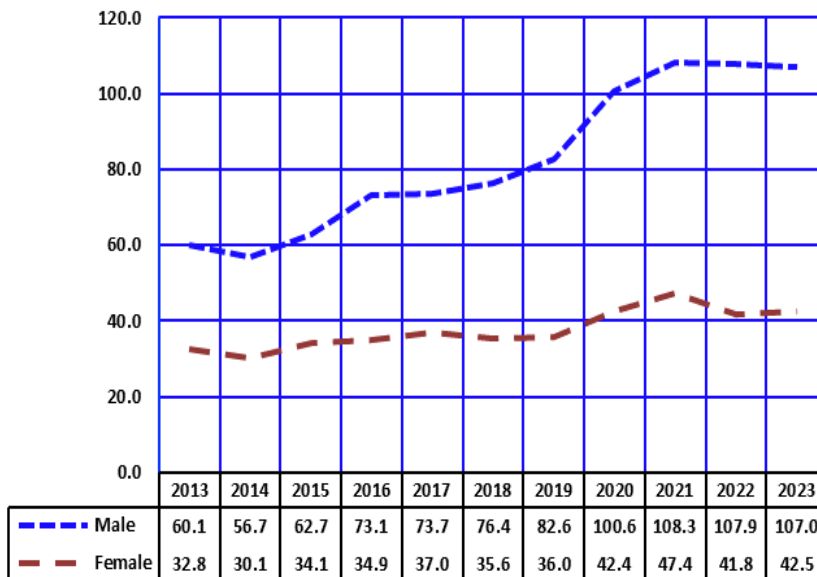
2B. LEADING CAUSES OF DEATH

Accidents (unintentional injury)

Figure 2B-10
Age-adjusted Mortality Rates^a for Accidents (Unintentional Injuries) by Gender and Year, Arizona, 2013-2023

The number of deaths from unintentional injuries increased by 2.2 percent from 5,868 in 2022 to 6,000 in 2023 (**Table 2B-1**). In 2023, based on age-adjusted mortality rates, accidents ranked third as a leading cause of death for males and fourth for females (**Table 2B-4**). From 2022 to 2023, the age-adjusted mortality rate for accidents decreased (0.8 percent) for males but increased (1.7 percent) for females **Figure 2B-10**.

In 2023, 1,299 deaths were caused by motor vehicle accidents, a decrease of 3.3 percent from 2022. Heat induced mortality has seen an increase of 44.9 percent between 2022 and 2023. Deaths due to accidental drowning and submersion decreased by 4.8 percent from 2022 (n=126) to 2023 (n=120). Additionally, Arizonans experienced a 0.8 percent decrease in the number of accidental poisonings due to drugs and/or medications from 2,388 fatalities in 2022 to 2,370 in 2023 (**Table 2B-9**).

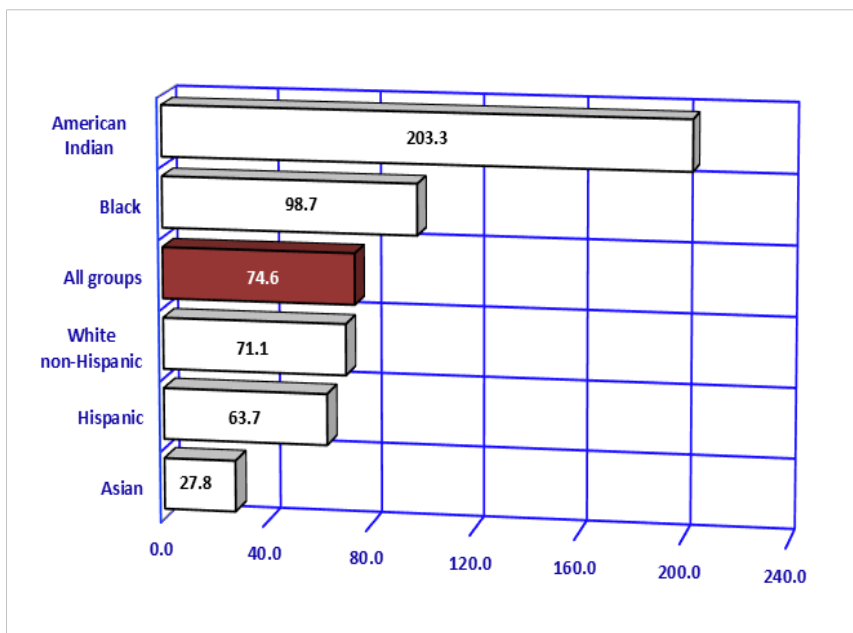


Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-11
Age-adjusted Mortality Rates^a for Accidents (Unintentional Injuries) by Race/Ethnicity, Arizona, 2023

The American Indian death rate for unintentional injuries (203.3/100,000) was 7.3 times greater than the rate for Asians (27.8/100,000), the group with the lowest risk of unintentional injury death among racial/ethnic groups in the state (**Figure 2B-11**, **Table 2B-4**).

In 2023, Apache (233.8/100,000) and Navajo (155.7/100,000) counties had the two highest age-adjusted mortality rates for unintentional injuries (**Table 5E-11**).

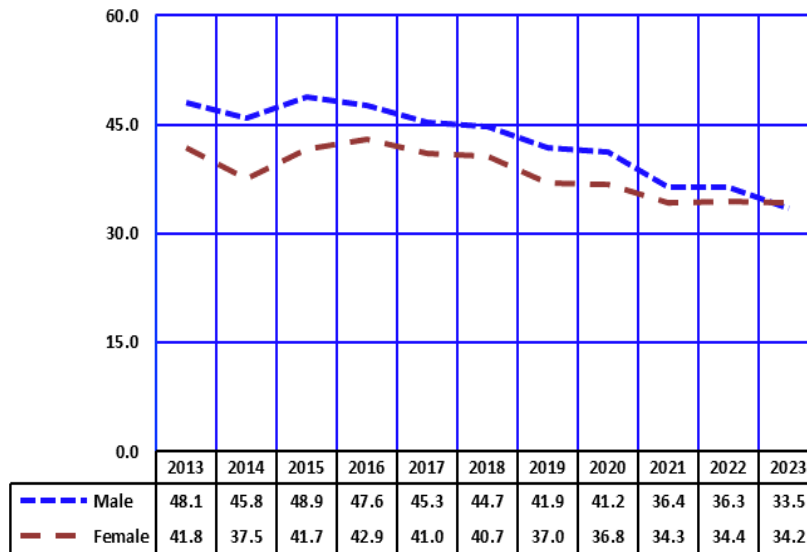


Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

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, 2013-2023

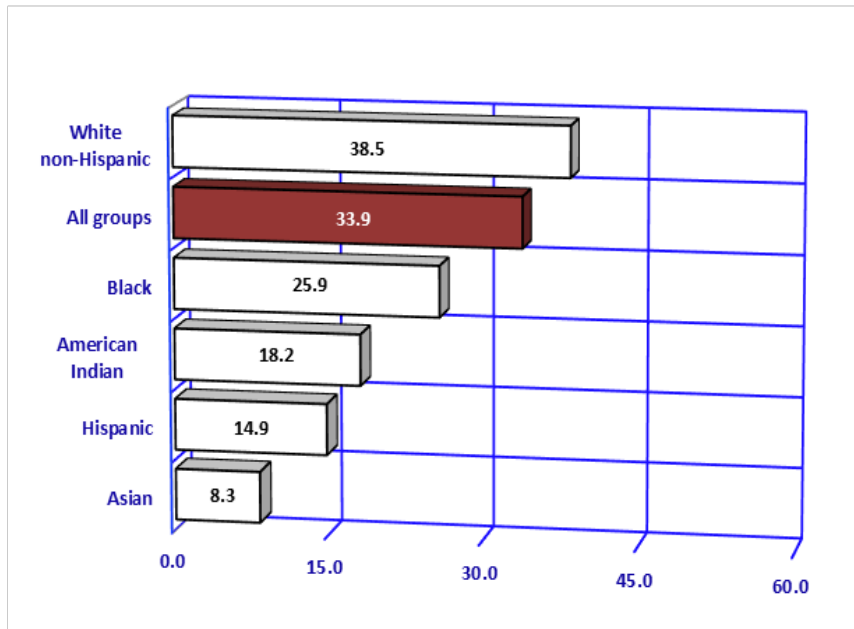


In 2023, chronic lower respiratory diseases (bronchitis, emphysema, asthma) was the 4th leading cause of death among Arizona residents (**Table 2B-1**). The mortality rate for chronic lower respiratory diseases decreased for both males (7.7 percent) and females (0.6 percent) between 2023 and 2022 **Figure 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 47.8/100,000 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, 2023



Mortality rates for emphysema, chronic bronchitis, asthma, and other lower respiratory disorders were highest among White non-Hispanics (38.5 deaths per 100,000) when compared to any other racial/ethnic groups in 2023. Asians recorded the lowest rate at 8.3 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.

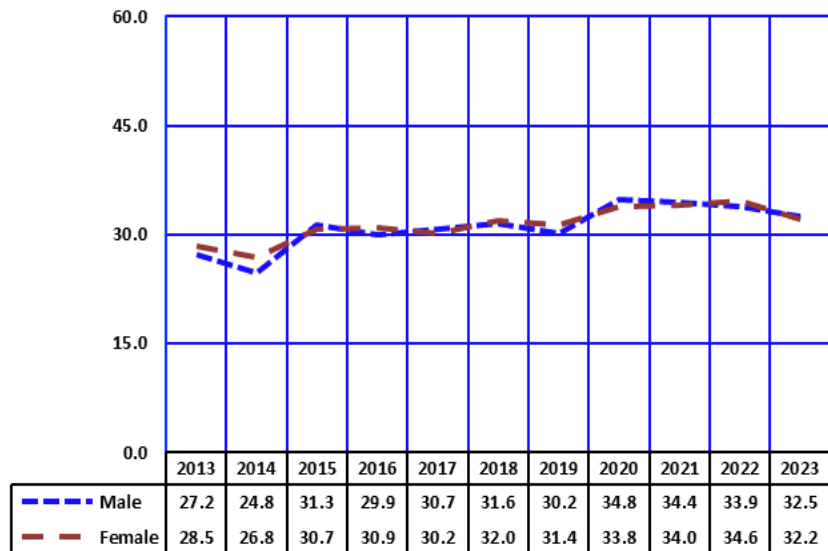
2B. LEADING CAUSES OF DEATH

Cerebrovascular diseases

Figure 2B-14
Age-adjusted Mortality Rates^a for Cerebrovascular Disease by Gender and Year, Arizona, 2013-2023

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 5.8 percent from 34.5/100,000 in 2022 to 32.5 deaths per 100,000 population in 2023 (**Table 2B-2**).

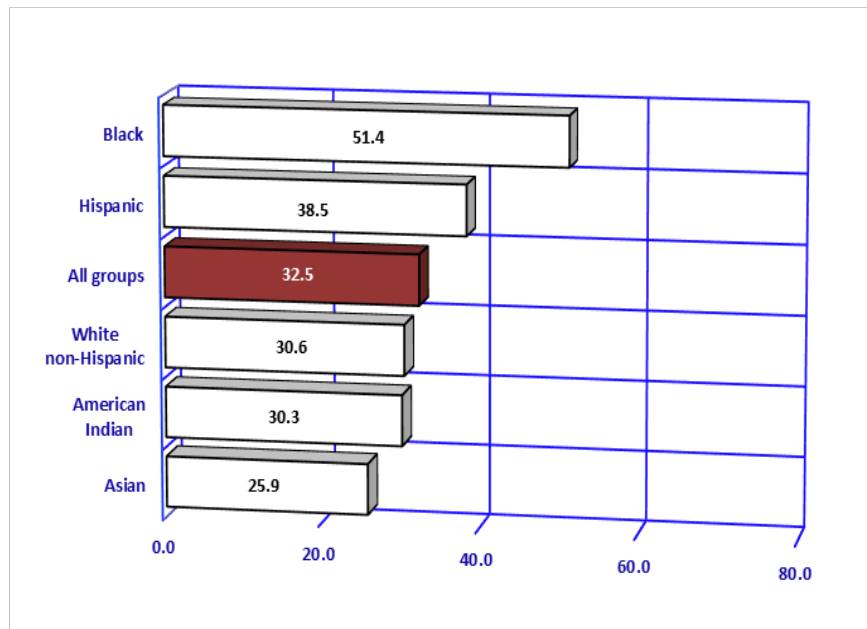
With some exceptions, the risk of dying from cerebrovascular diseases was slightly higher among females than males for the period 2013-2023 (6 of the last 11 years), but the rates were very similar. (**Figure 2B-14**, **Table 2B-2**).



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, 2023

Compared to Arizona's overall rate, Black or African Americans were 1.6 times more likely to die from cerebrovascular disease in 2023 (**Figure 2B-15**, **Table 2B-4**). The 2023 mortality rate for cerebrovascular disease among Asians (25.9/100,000) was the lowest among racial/ethnic groups.

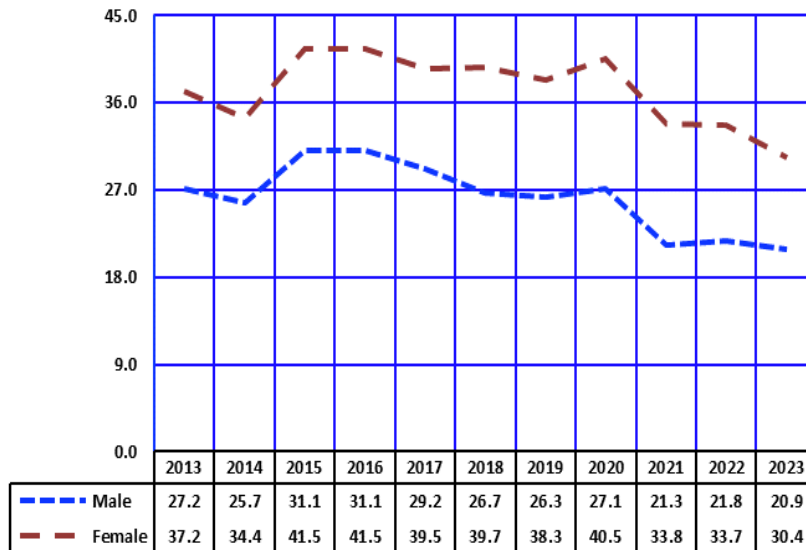


Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

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, 2013-2023

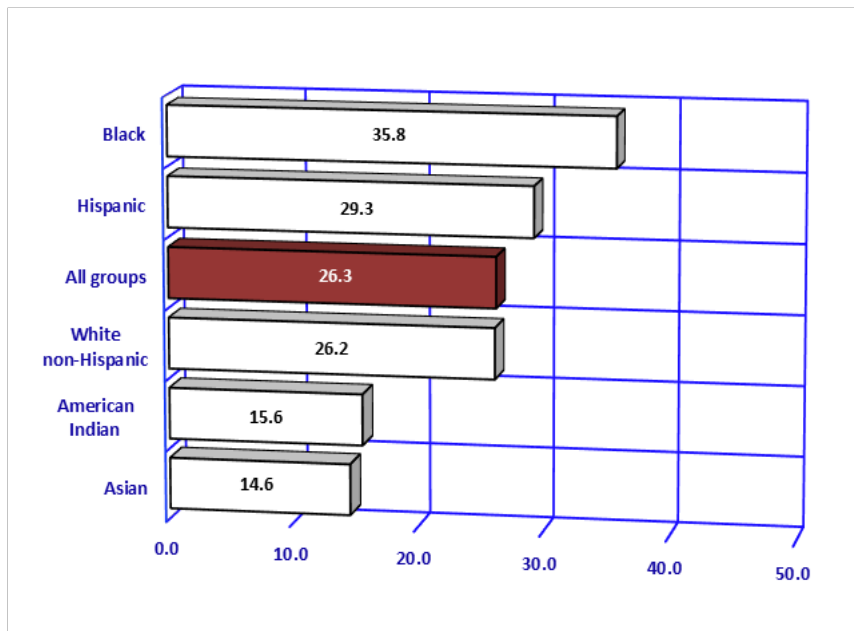


Based on the number of deaths in 2023, Alzheimer's disease was the 6th leading cause of death for females and 8th leading cause for males (**Table 2B-4**)

From 2022 to 2023, the age-adjusted mortality rate for Alzheimer's disease decreased slightly for males (4.1 percent) and decreased for females (9.8 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, 2023



The age-adjusted mortality rates for Alzheimer's disease in 2023 were higher among Black or African Americans (35.8/100,000) and Hispanic or Latinos (29.3/100,000) than the other racial/ethnic groups. Rates lower than the state average (26.3/100,000) were recorded among White non-Hispanics (26.2/100,000), American Indians (15.6/100,000), and Asians (14.6/100,000) (**Figure 2B-17, Table 2B-4**).

White non-Hispanic residents of Arizona disproportionately contributed to mortality from Alzheimer's disease. In 2023, White non-Hispanics accounted for 55.0 percent (**Table 10C-1**) of the state's population, but 81.5 percent of all deaths from Alzheimer's disease (2,154 out of 2,642; **Table 2B-4**).

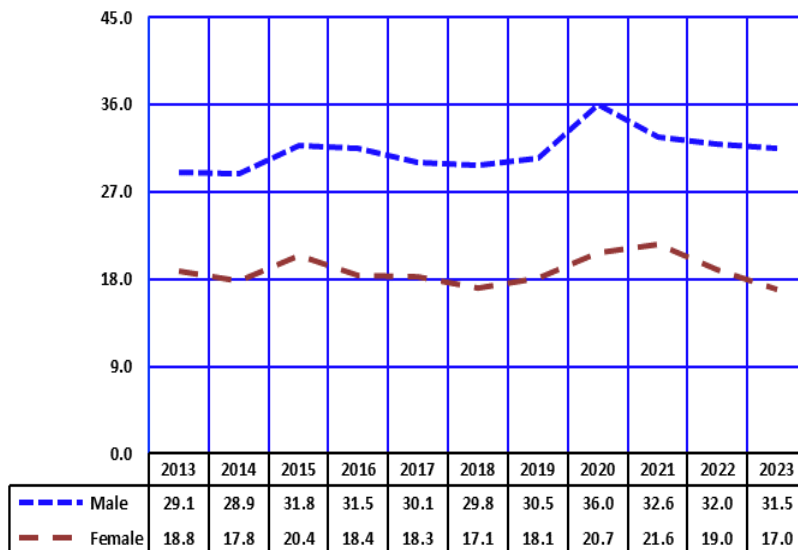
In 2023, the overall median age at death from Alzheimer's disease was 85.5, specifically 84 years for males and 87 years for females (**Table 2D-3**).

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

2B. LEADING CAUSES OF DEATH

Diabetes

Figure 2B-18
Age-adjusted Mortality Rates^a for Diabetes by Gender and Year, Arizona, 2013-2023



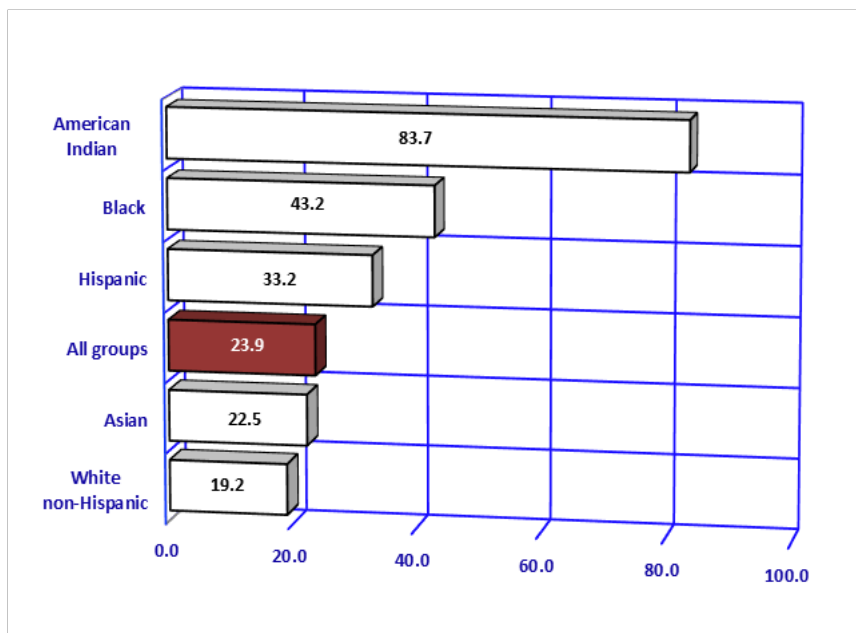
From 2013-2023, mortality rates for diabetes increased for males (8.2 percent) and decreased for females (9.6 percent; **Figure 2B-18**).

In addition to 2,330 deaths that had diabetes assigned as the underlying cause in 2023, another 4,939 deaths had diabetes assigned as a contributing factor. The diabetes-related death rate of 73.3/100,000 (**Table 6A-6**) was 3.1 times greater than the rate for diabetes as an underlying cause (23.9/100,000; **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, 2023



In 2023, compared to Arizona's rate, American Indians were 3.5 times more likely to die from diabetes (83.7 deaths per 100,000; **Figure 2B-19**, **Table 2B-4**). The rate of 19.2 deaths per 100,000 among White non-Hispanics was the lowest rate among all racial/ethnic groups in the state.

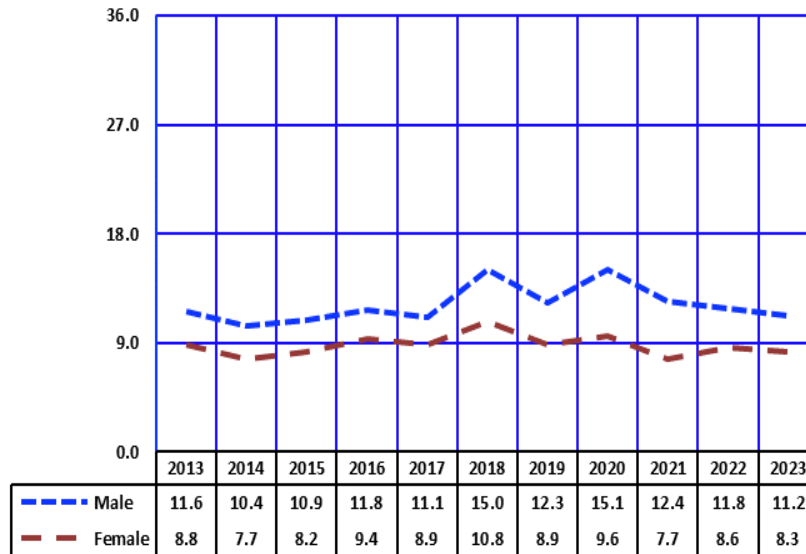
Among the 15 Arizona counties, Apache (48.8/100,000) and Gila (40.3/100,000) counties had the highest mortality rates for diabetes recorded in 2023 (**Table 5E-11**).

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, 2013-2023



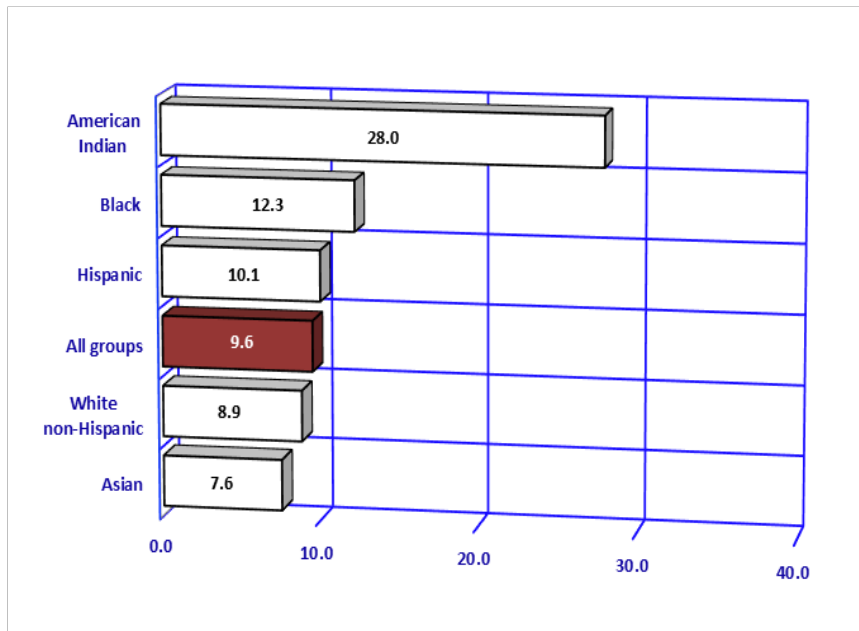
The number of deaths from influenza and pneumonia increased by 28.6 percent from 724 in 2013 to 931 in 2023. (**Table 2B-1**). Among the 931 deaths, influenza was identified as the underlying cause for 71 of them, while pneumonia was listed as the underlying cause on 860 death certificates (**Table 2B-6**).

The mortality rate for influenza and pneumonia decreased for females from 8.6 deaths per 100,000 in 2022 to 8.3 deaths in 2023 (**Figure 2B-20, Table 2B-2**). For males, they decreased from 11.8 per 100,000 in 2022 to 11.2 deaths in 2023.

In 2023, the age-adjusted mortality rate for Arizona males was 34.9 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, 2023



In 2023, American Indian residents of Arizona had the highest mortality rate for influenza and pneumonia (28.0 deaths per 100,000) among the racial/ethnic groups. Mortality due to influenza and pneumonia for White non-Hispanics (8.9/100,000) and Asians (7.6/100,000) were lower than the state rate. (**Figure 2B-21, Table 2B-4**).

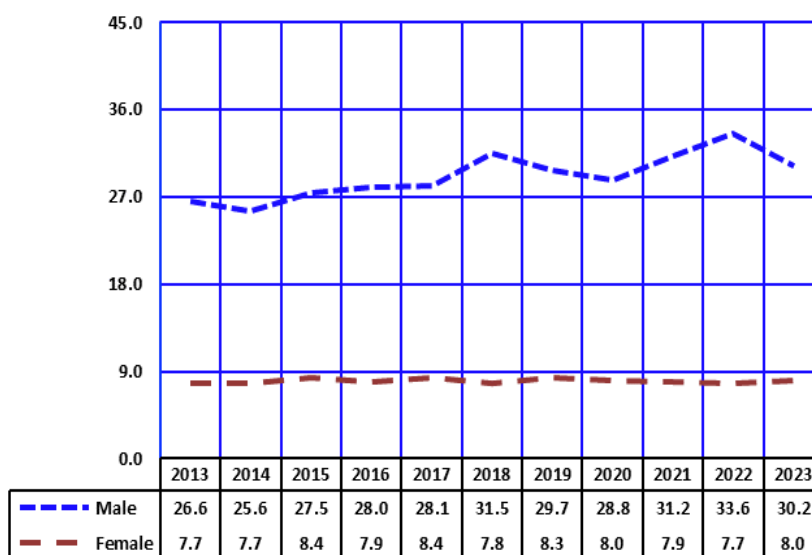
County comparisons show that in 2023 influenza and pneumonia mortality rates were highest in Apache (27.0/100,000), Navajo (20.5/100,000), and Gila (18.7/100,000) counties compared to the remaining counties (**Table 5E-11**).

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

2B. LEADING CAUSES OF DEATH

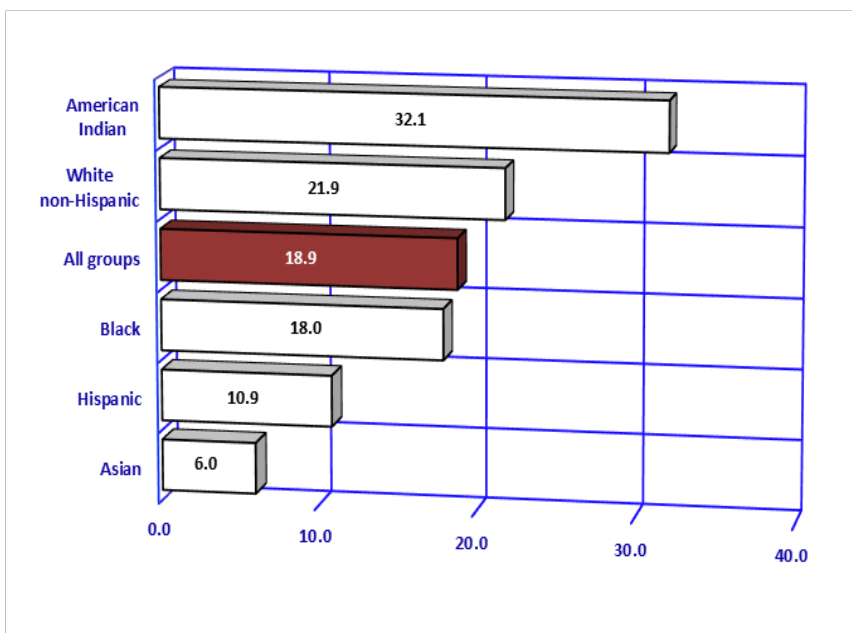
Suicide

Figure 2B-22
Age-adjusted Mortality Rates^a for Suicide by Gender and Year, Arizona, 2013-2023



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, 2023



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

In 2023, based on age-adjusted mortality rates, suicide was the 7th leading cause of death among males. It ranked as the 14th cause of mortality for females. The overall age-adjusted suicide rate decreased from 20.5 suicides per 100,000 in 2022 to 18.9 in 2023 (**Table 2B-3**).

From 2022 to 2023, suicide mortality decreased by 10.1 percent among males and increased 3.9 percent among females (**Figure 2B-22, Table 2B-4**). In 2023, suicide posed a 3.8 times greater mortality risk for males (30.2/100,000) than for females (8.0/100,000).

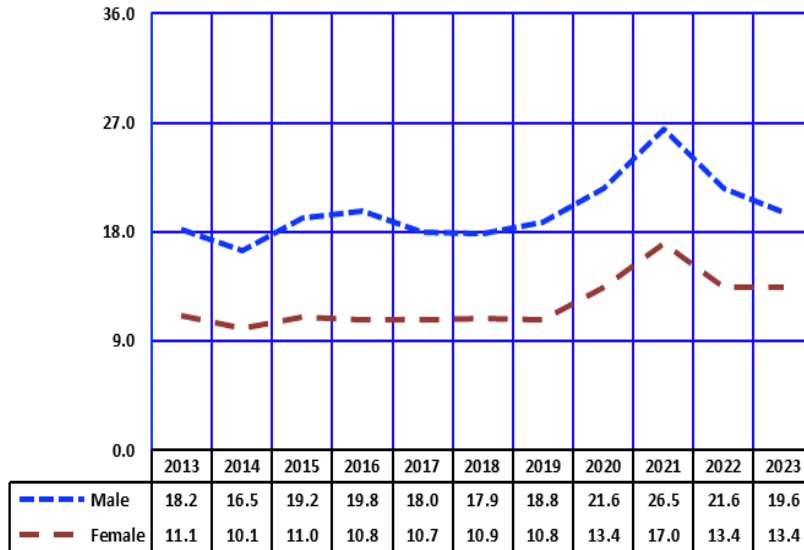
In 2023, American Indians had the highest age-adjusted suicide rate (32.1 suicides per 100,000) among racial/ethnic groups, followed by White non-Hispanics (21.9/100,000), while Asians recorded the lowest age-adjusted suicide rate (6.0/100,000; **Figure 2B-23, Table 2B-4**).

The 2023 age-adjusted mortality rates for suicide varied across the state, from a low rate of 11.3 suicides per 100,000 residents in Greenlee County to a high of 47.6 suicides per 100,000 residents in Navajo 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, 2013-2023



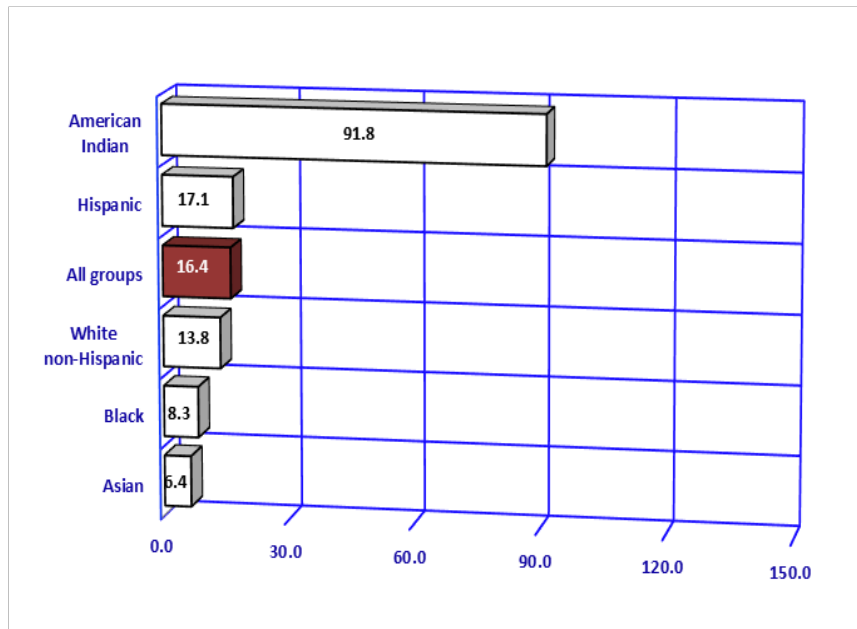
Note: ^a Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Chronic liver disease and cirrhosis was the 9th leading cause of death in Arizona in 2023 (**Figure 2B-1, Table 2B-1**). Among the 1,424 deaths due to chronic liver disease and cirrhosis, 832 (58.4 percent) were males (**Table 2B-4**).

Among females, the age-adjusted mortality rate for chronic liver disease and cirrhosis remained the same from 2022 to 2023 (13.4 percent). Among males, the mortality rate decreased (9.3 percent) from 21.6/100,000 in 2022 to 19.6/100,000 in 2023 (**Figure 2B-24, Table 2B-3**).

In 2023, Apache, Navajo, La Paz, and Gila counties had the highest mortality rates for chronic liver disease and cirrhosis (**Table 5E-11**).

Figure 2B-25
Age-adjusted Mortality Rates^a for Chronic Liver Disease and Cirrhosis
by Race/Ethnicity, Arizona, 2023



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

In 2023, chronic liver disease and cirrhosis mortality rate was exceedingly high among American Indians (91.8 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, and White non-Hispanics, were all below the state average (16.4 deaths per 100,000 population).

Compared to the median age at death from all causes (76 years), those who died from chronic liver disease and cirrhosis were on average 15 years younger (61 years, **Table 2D-3**). In 2023, the median age at death of American Indians who died from chronic liver disease and cirrhosis was 49 years, which was at least 12 years younger than all the other race/ethnic groups (**Table 2D-3**).

**TABLE 2B-1
NUMBER OF DEATHS FOR THE LEADING CAUSES OF MORTALITY BY YEAR, ARIZONA, 2013-2023**

Rank in 2013	Rank in 2023	Cause of death	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
2	1	Diseases of heart	10,497	9,953	11,274	11,820	12,285	12,410	12,560	14,185	14,536	14,530	14,514
1	2	Malignant neoplasms	11,193	10,600	11,624	11,801	11,917	12,097	12,485	12,671	12,810	13,135	12,922
4	3	Accidents (unintentional injury)	3,137	3,011	3,403	3,899	4,085	4,211	4,522	5,377	5,945	5,868	6,000
3	4	Chronic lower respiratory diseases	3,295	3,185	3,648	3,788	3,779	3,820	3,678	3,698	3,518	3,571	3,475
6	5	Cerebrovascular diseases	2,047	1,995	2,463	2,536	2,647	2,829	2,848	3,225	3,319	3,377	3,240
5	6	Alzheimer's disease	2,384	2,345	2,942	3,081	3,050	3,011	3,045	3,235	2,754	2,818	2,642
7	7	Diabetes	1,744	1,776	2,050	2,013	2,037	2,041	2,170	2,563	2,557	2,418	2,330
8	8	Intentional self-harm (suicide)	1,116	1,124	1,233	1,256	1,304	1,432	1,411	1,359	1,470	1,594	1,485
9	9	Chronic liver disease and cirrhosis	1,040	984	1,120	1,169	1,122	1,159	1,211	1,426	1,772	1,484	1,424
11	10	Essential primary hypertension and hypertensive renal disease	711	758	896	1,010	1,018	928	1,009	1,131	1,200	1,105	1,060
-	11	COVID-19	-	-	-	-	-	-	-	8,430	12,693	4,599	954
12	12	Parkinson's disease	578	569	719	712	749	790	806	1,016	892	1,005	944
10	13	Influenza and pneumonia	724	669	739	859	852	1,113	947	1,109	933	959	931
13	14	Nephritis, nephrotic syndrome and nephrosis	391	353	498	485	535	680	759	772	871	832	811
15	15	Septicemia	354	336	436	505	461	382	339	425	511	518	553
14	16	Assault (homicide)	383	294	364	416	430	416	409	526	561	625	526
ALL CAUSES			49,929	51,074	54,152	56,480	57,261	59,206	60,161	75,700	81,482	73,861	69,005

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 2013-2023 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^a BY GENDER AND YEAR FOR SELECTED LEADING CAUSES OF DEATH,
ARIZONA, 2013-2023**

		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
TOTAL, ALL CAUSES												
	Total	687.8	676.0	691.3	696.6	679.3	688.6	676.6	842.2	882.6	784.3	720.5
	Male	805.8	791.2	811.5	824.8	800.0	813.4	799.6	1002.1	1057.1	933.2	852.7
	Female	583.8	572.8	583.3	581.1	568.7	573.5	562.9	694.1	721.2	645.3	597.3
CARDIOVASCULAR DISEASE												
	Total	187.7	171.6	189.0	190.8	189.9	188.4	184.9	205.3	203.4	199.7	194.5
	Male	229.0	206.9	226.7	230.7	228.6	225.2	221.2	246.9	244.8	240.4	234.7
	Female	152.4	140.7	156.1	155.9	155.5	155.6	152.4	167.8	166.2	163.0	158.8
-----DISEASES OF HEART												
	Total	143.0	129.9	141.3	142.5	141.9	140.5	137.3	152.9	151.2	148.2	145.4
	Male	183.6	164.1	177.1	180.5	179.4	176.3	172.5	192.2	191.3	187.0	183.6
	Female	109.2	100.5	110.5	109.8	109.3	109.1	106.3	118.1	115.7	113.7	111.9
-----CEREBROVASCULAR DISEASE												
	Total	28.2	26.2	31.1	30.7	30.7	32.1	31.0	34.6	34.4	34.5	32.5
	Male	27.2	24.8	31.3	29.9	30.7	31.6	30.2	34.8	34.4	33.9	32.5
	Female	28.5	26.8	30.7	30.9	30.2	32.0	31.4	33.8	34.0	34.6	32.2
MALIGNANT NEOPLASMS												
	Total	149.6	136.3	144.0	140.7	136.6	135.9	134.7	134.7	131.8	133.1	128.4
	Male	175.0	160.8	169.0	166.3	160.0	161.8	156.7	156.1	150.3	151.9	147.0
	Female	129.9	116.8	123.8	120.0	116.6	114.7	116.4	117.2	116.7	117.5	113.0
CHRONIC LOWER RESPIRATORY DISEASE												
	Total	44.5	41.1	45.1	45.0	43.0	42.6	39.2	38.8	35.3	35.3	33.9
	Male	48.1	45.8	48.9	47.6	45.3	44.7	41.9	41.2	36.4	36.3	33.5
	Female	41.8	37.5	41.7	42.9	41.0	40.7	37.0	36.8	34.3	34.4	34.2
ACCIDENTS (UNINTENTIONAL INJURIES)												
	Total	46.3	43.3	48.1	53.7	55.3	55.9	59.2	71.5	77.8	74.8	74.6
	Male	60.1	56.7	62.7	73.1	73.7	76.4	82.6	100.6	108.3	107.9	107.0
	Female	32.8	30.1	34.1	34.9	37.0	35.6	36.0	42.4	47.4	41.8	42.5
-----MOTOR VEHICLE ACCIDENTS												
	Total	11.4	10.3	12.6	13.9	13.8	14.1	13.1	14.0	18.4	17.5	16.7
	Male	16.3	14.5	18.0	20.1	19.5	20.0	18.9	20.2	25.7	25.4	24.7
	Female	6.6	6.0	7.2	7.8	8.2	8.3	7.5	7.8	11.2	9.6	8.8
INFLUENZA AND PNEUMONIA												
	Total	10.0	8.9	9.4	10.4	9.9	12.7	10.4	12.2	9.9	10.0	9.6
	Male	11.6	10.4	10.9	11.8	11.1	15.0	12.3	15.1	12.4	11.8	11.2
	Female	8.8	7.7	8.2	9.4	8.9	10.8	8.9	9.6	7.7	8.6	8.3

TABLE 2B-2 (continued)
AGE-ADJUSTED MORTALITY RATES^a BY GENDER AND YEAR FOR SELECTED LEADING CAUSES OF DEATH,
ARIZONA, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
COVID-19											
Total	-	-	-	-	-	-	-	92.1	136.9	47.5	9.5
Male	-	-	-	-	-	-	-	118.3	174.0	60.2	11.7
Female	-	-	-	-	-	-	-	69.2	103.7	36.8	7.8
ALZHEIMER'S DISEASE											
Total	33.2	30.9	37.3	37.3	35.2	34.3	33.2	34.7	28.3	28.5	26.3
Male	27.2	25.7	31.1	31.1	29.2	26.7	26.3	27.1	21.3	21.8	20.9
Female	37.2	34.4	41.5	41.5	39.5	39.7	38.3	40.5	33.8	33.7	30.4
DIABETES											
Total	23.6	23.0	25.7	24.5	23.8	23.0	23.9	27.9	26.8	25.1	23.9
Male	29.1	28.9	31.8	31.5	30.1	29.8	30.5	36.0	32.6	32.0	31.5
Female	18.8	17.8	20.4	18.4	18.3	17.1	18.1	20.7	21.6	19.0	17.0
CHRONIC LIVER DISEASE AND CIRRHOSIS											
Total	14.5	13.2	14.9	15.1	14.2	14.2	14.7	17.4	21.6	17.4	16.4
Male	18.2	16.5	19.2	19.8	18.0	17.9	18.8	21.6	26.5	21.6	19.6
Female	11.1	10.1	11.0	10.8	10.7	10.9	10.8	13.4	17.0	13.4	13.4
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS											
Total	5.3	4.6	6.3	5.8	6.2	7.7	8.3	8.4	9.1	8.5	8.2
Male	6.1	5.2	7.7	6.9	7.7	9.0	10.3	9.8	10.6	9.9	10.2
Female	4.8	4.2	5.2	4.9	4.9	6.7	6.5	7.2	7.9	7.4	6.4
INTENTIONAL SELF-HARM (SUICIDE)											
Total	17.0	16.5	17.8	17.7	18.0	19.5	18.9	18.2	19.4	20.5	18.9
Male	26.6	25.6	27.5	28.0	28.1	31.5	29.7	28.8	31.2	33.6	30.2
Female	7.7	7.7	8.4	7.9	8.4	7.8	8.3	8.0	7.9	7.7	8.0
ASSAULT (HOMICIDE)											
Total	5.9	4.6	5.6	6.3	6.4	6.1	5.9	7.7	8.1	9.0	7.4
Male	9.2	7.1	8.6	9.9	10.0	9.8	9.1	12.1	13.2	14.2	11.6
Female	2.5	2.1	2.5	2.5	2.8	2.4	2.6	3.2	2.9	3.6	3.1
SEPTICEMIA											
Total	4.8	4.4	5.4	6.2	5.5	4.4	3.8	4.7	5.4	5.5	5.7
Male	5.6	5.0	6.4	7.1	5.9	5.0	4.4	5.1	6.1	6.0	6.4
Female	4.3	4.0	4.6	5.5	5.1	3.9	3.3	4.4	4.8	5.0	5.1

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, 2000-2023

	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
2022	784.3	933.2	645.3	766.9	904.9	636.2	733.9	887.2	599.5	1010.8	1196.1	837.5	1378.6	1761.3	1054.1	474.3	543.4	418.0
2023	720.5	852.7	597.3	706.9	828.4	592.1	663.9	791.6	549.7	956.4	1150.3	777.9	1210.0	1534.1	931.5	428.8	505.9	370.4
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
2022	199.7	240.4	163.0	200.3	239.2	164.6	178.4	214.5	146.9	287.3	349.6	234.2	211.8	284.8	154.1	131.1	151.1	116.5
2023	194.5	234.7	158.8	195.3	234.4	159.8	173.7	208.9	144.1	284.1	342.0	233.7	205.2	265.7	159.5	118.9	142.2	102.5

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2023

	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
2022	148.2	187.0	113.7	151.3	188.8	117.4	121.2	153.1	93.8	194.9	255.3	145.3	156.1	231.2	99.4	88.9	110.5	73.0
2023	145.4	183.6	111.9	148.9	186.7	115.0	117.7	152.2	89.5	195.9	237.7	158.9	157.0	209.0	118.2	79.6	102.2	64.3
-----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
2022	34.5	33.9	34.6	32.8	32.2	33.0	38.3	40.2	36.5	54.2	46.1	59.1	36.6	31.0	39.3	29.4	26.7	31.2
2023	32.5	32.5	32.2	30.6	29.7	31.0	38.5	39.8	37.2	51.4	60.5	44.6	30.3	39.2	23.6	25.9	25.9	25.6

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2023

	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
2022	133.1	151.9	117.5	136.5	154.8	120.8	113.8	133.8	98.6	166.1	176.9	158.7	139.3	166.6	120.0	102.7	106.1	100.1
2023	128.4	147.0	113.0	129.6	147.7	114.3	120.2	138.2	107.1	166.9	199.1	142.6	125.2	158.3	103.2	88.3	96.7	81.6
-----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
2022	24.3	27.2	21.9	26.5	29.1	24.2	15.6	18.5	13.3	30.3	34.4	26.3	8.9	16.7	3.9	21.5	19.6	23.0
2023	23.1	26.1	20.5	25.1	27.5	23.0	14.7	18.4	11.9	29.3	37.9	21.5	8.2	11.1	6.6	15.7	24.1	9.9

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2023

	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
2022	12.6	15.4	10.2	12.6	15.1	10.3	11.5	15.9	7.8	18.1	19.0	18.1	20.1	28.3	13.3	10.5	11.4	9.7
2023	12.8	15.6	10.4	12.6	15.0	10.4	12.9	17.3	9.5	21.4	24.5	18.4	13.6	21.1	8.2	8.9	12.5	6.0
-----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
2022	N/A	N/A	18.8	N/A	N/A	19.8	N/A	N/A	13.4	N/A	N/A	33.9	N/A	N/A	11.2	N/A	N/A	12.6
2023	N/A	N/A	17.5	N/A	N/A	18.0	N/A	N/A	16.5	N/A	N/A	18.9	N/A	N/A	16.0	N/A	N/A	5.9

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2023

	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
2022	N/A	16.7	N/A	N/A	16.4	N/A	N/A	14.8	N/A	N/A	32.1	N/A	N/A	16.0	N/A	N/A	12.7	N/A
2023	N/A	17.2	N/A	N/A	16.4	N/A	N/A	19.7	N/A	N/A	38.7	N/A	N/A	21.5	N/A	N/A	6.4	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
2022	35.3	36.3	34.4	40.1	39.8	40.2	15.3	20.5	11.4	36.6	41.5	34.4	14.6	21.9	10.4	11.1	12.7	10.3
2023	33.9	33.5	34.2	38.5	36.9	39.8	14.9	18.9	11.9	25.9	29.1	23.7	18.2	14.4	20.7	8.3	12.1	5.8

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2023

	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
2022	17.4	21.6	13.4	13.4	17.3	9.7	19.9	25.6	14.8	8.2	10.5	6.0	106.0	112.5	99.0	4.9	8.4	2.3
2023	16.4	19.6	13.4	13.8	16.7	11.2	17.1	20.6	13.8	8.3	8.8	7.9	91.8	102.4	82.3	6.4	12.8	1.7
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
2022	25.1	32.0	19.0	19.7	25.8	14.2	39.5	52.5	29.7	42.4	53.9	31.9	88.0	97.6	77.5	19.4	25.9	14.8
2023	23.9	31.5	17.0	19.2	26.9	12.2	33.2	39.3	27.8	43.2	55.3	31.8	83.7	103.6	66.9	22.5	21.6	22.7

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2023

	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
2022	74.8	107.9	41.8	71.8	101.0	42.4	63.3	95.8	31.6	91.2	134.1	46.1	206.5	320.5	105.4	31.1	43.7	18.3
2023	74.6	107.0	42.5	71.1	99.9	42.3	63.7	96.5	31.7	98.7	143.3	52.4	203.3	299.8	115.4	27.8	43.2	15.4
-----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
2022	17.5	25.4	9.6	15.4	22.7	8.1	16.7	23.4	10.1	21.3	28.5	13.2	59.7	86.8	35.1	8.8	14.3	3.3
2023	16.7	24.7	8.8	14.8	22.1	7.5	14.6	21.5	7.7	20.5	31.5	9.5	64.3	90.5	39.9	8.7	12.2	5.4

TABLE 2B-3 (continued)
AGE-ADJUSTED^a MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY
AND GENDER, ARIZONA, 2000-2023

	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
2022	9.0	14.2	3.6	4.7	7.2	2.2	9.4	14.9	3.9	27.4	43.6	9.6	34.5	59.5	10.9	2.6	4.7	0.5
2023	7.4	11.6	3.1	4.1	5.8	2.3	7.8	12.4	3.0	21.9	36.9	5.7	26.1	44.3	8.9	1.6	2.8	0.6
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
2022	20.5	33.6	7.7	24.3	39.8	9.0	12.2	20.7	4.2	14.3	22.3	5.4	35.1	54.7	16.9	9.4	14.8	4.4
2023	18.9	30.2	8.0	21.9	35.1	8.9	10.9	18.0	3.8	18.0	25.4	9.8	32.1	43.5	20.6	6.0	8.7	3.9

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, 2023**

	NUMBER OF DEATHS																							
	All groups						White non-Hispanic						Hispanic or Latino						Black or African American					
	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	69,005	37,561	31,444	51,183	27,420	23,763	10,268	5,792	4,476	2,864	1,664	1,200	3,121	1,813	1,308	1,129	562	567						
Major cardiovascular diseases	19,415	10,651	8,764	15,297	8,359	6,938	2,410	1,323	1,087	795	450	345	498	281	217	306	152	154						
Diseases of heart	14,514	8,331	6,183	11,642	6,646	4,996	1,638	961	677	559	322	237	381	219	162	204	108	96						
Coronary heart disease	10,165	6,102	4,063	8,183	4,907	3,276	1,143	682	461	385	219	166	249	154	95	137	79	58						
Malignant neoplasms	12,922	6,887	6,035	9,953	5,367	4,586	1,848	931	917	496	268	228	323	171	152	245	112	133						
Malignant neoplasm of trachea, bronchus and lung	2,408	1,255	1,153	2,029	1,039	990	215	117	98	86	53	33	20	10	10	45	28	17						
Malignant neoplasm of colon, rectum, and anus	1,254	708	546	923	509	414	206	124	82	65	36	29	34	23	11	25	15	10						
Malignant neoplasm of breast	910 ⁺	10 ⁺	906	700 ⁺	*	693	150 ⁺	*	146	32	0	32	20 ⁺	*	23	10	0	10						
Malignant neoplasm of prostate	795	795	0	615	615	0	108	108	0	43	43	0	19	19	0	6	6	0						
Malignant melanoma of skin	210 ⁺	140 ⁺	70 ⁺	189	124	65	10 ⁺	8	*	0 ⁺	*	*	0 ⁺	*	*	0	0	0						
Malignant neoplasm of cervix uteri	80	0	80 ⁺	54	0	54	12	0	12	0 ⁺	0	*	0 ⁺	0	*	9	0	9						
Accidents (unintentional injury)	6,000	4,152	1,848	3,588	2,364	1,224	1,320	1,003	317	374	279	95	573	402	171	81	57	24						
Accidental poisoning	2,483	1,882	601	1,287	943	344	661	543	118	219	163	56	257	187	70	24	18	6						
Motor vehicle accidents	1,299	954	345	667	496	171	332	245	87	80	61	19	186	126	60	25	17	8						
Falls	1,287	668	619	1,043	526	517	154	91	63	15	6	9	50	30	20	19	12	7						
Accidental drowning and submersion	120 ⁺	80 ⁺	40 ⁺	74	45	29	30 ⁺	21	*	10 ⁺	8	*	6	6	0	0 ⁺	*	*						
Chronic lower respiratory diseases	3,475	1,562	1,913	3,113	1,376	1,737	196	107	89	74	36	38	42	14	28	22	13	9						
Cerebrovascular diseases	3,240	1,468	1,772	2,429	1,076	1,353	523	245	278	136	71	65	72	41	31	68	28	40						
Alzheimer's disease	2,642	931	1,711	2,154	770	1,384	340	108	232	77	27	50	31	12	19	33	12	21						
Diabetes	2,330	1,433	897	1,398	915	483	508	282	226	136	84	52	219	122	97	59	24	35						
Intentional self-harm (suicide)	1,485	1,173	312	1,025	818	207	251	207	44	71	53	18	101	69	32	19	12	7						
Chronic liver disease and cirrhosis	1,420 ⁺	832	590 ⁺	808	479	329	313	184	129	26	14	12	253	134	119	20 ⁺	16	*						
Essential (primary) hypertension and hypertensive renal disease	1,060	515	545	757	376	381	171	70	101	69	39	30	31	14	17	27	14	13						
COVID-19	954	528	426	727	395	332	130	78	52	21	9	12	48	29	19	22	13	9						
Parkinson's disease	940 ⁺	613	330 ⁺	800	523	277	82	54	28	20 ⁺	12	*	18	10	8	24	13	11						
Influenza and pneumonia	931	503	428	645	345	300	154	86	68	37	24	13	68	33	35	19	9	10						
Nephritis, nephrotic syndrome and nephrosis	811	469	342	494	292	202	164	96	68	56	26	30	67	38	29	25	12	13						
Septicemia	550 ⁺	290 ⁺	270 ⁺	349	182	167	122	63	59	33	18	15	41	16	25	10 ⁺	*	*						
Assault (homicide)	530 ⁺	420 ⁺	110 ⁺	159	113	46	194	158	36	89	78	11	76	63	13	10 ⁺	*	*						
Human immunodeficiency virus (HIV) disease	80 ⁺	60 ⁺	10 ⁺	40 ⁺	33	*	20 ⁺	18	*	10 ⁺	6	*	10 ⁺	*	*	0 ⁺	*	0						
Injury by firearms	1,410 ⁺	1,214	190 ⁺	838	725	113	319	278	41	126	111	15	93	75	18	10 ⁺	12	*						
Drug-induced deaths	2,705	1,973	732	1,471	1,025	446	705	564	141	230	171	59	228	161	67	28	20	8						
Opioid-induced deaths	1,930 ⁺	1,453	480 ⁺	1,025	739	286	518	424	94	175	133	42	169	124	45	20 ⁺	14	*						
Alcohol-induced deaths	1,470 ⁺	967	500 ⁺	872	562	310	221	156	65	32	18	14	316	208	108	10 ⁺	13	*						

TABLE 2B-4 (continued)
NUMBER OF DEATHS AND AGE-ADJUSTED MORTALITY RATES^a FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 2023

	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	720.5	852.7	597.3	706.9	828.4	592.1	663.9	791.6	549.7	956.4	1150.3	777.9	1210.0	1534.1	931.5	428.8	505.9	370.4
Major cardiovascular disease	194.5	234.7	158.8	195.3	234.4	159.8	173.7	208.9	144.1	284.1	342.0	233.7	205.2	265.7	159.5	118.9	142.2	102.5
Diseases of heart	145.4	183.6	111.9	148.9	186.7	115.0	117.7	152.2	89.5	195.9	237.7	158.9	157.0	209.0	118.2	79.6	102.2	64.3
Coronary heart disease	101.3	133.8	73.1	104.4	137.5	74.9	82.2	107.1	61.6	135.0	159.4	112.2	102.8	146.2	70.4	53.2	74.7	38.7
Malignant neoplasms	128.4	147.0	113.0	129.6	147.7	114.3	120.2	138.2	107.1	166.9	199.1	142.6	125.2	158.3	103.2	88.3	96.7	81.6
Malignant neoplasm of trachea, bronchus and lung	23.1	26.1	20.5	25.1	27.5	23.0	14.7	18.4	11.9	29.3	37.9	21.5	8.2	11.1	6.6	15.7	24.1	9.9
Malignant neoplasm of colon, rectum, and anus	12.8	15.6	10.4	12.6	15.0	10.4	12.9	17.3	9.5	21.4	24.5	18.4	13.6	21.1	8.2	8.9	12.5	6.0
Malignant neoplasm of breast	9.4	0.2	17.5	9.5	**	18.0	9.2	**	16.5	9.7	0.0	18.9	9.5	**	16.0	3.4	0.0	5.9
Malignant neoplasm of prostate	7.7	17.2	0.0	7.5	16.4	0.0	8.3	19.7	0.0	16.4	38.7	0.0	8.4	21.5	0.0	2.5	6.4	0.0
Malignant melanoma of skin	2.1	3.0	1.3	2.5	3.6	1.7	0.6	0.9	**	**	**	**	**	**	**	0.0	0.0	0.0
Malignant neoplasm of cervix uteri	1.0	0.0	2.0	1.1	0.0	2.2	0.6	0.0	1.2	**	0.0	**	**	0.0	**	3.0	0.0	5.2
Accidents (unintentional injury)	74.6	107.0	42.5	71.1	99.9	42.3	63.7	96.5	31.7	98.7	143.3	52.4	203.3	299.8	115.4	27.8	43.2	15.4
Accidental poisoning	34.1	51.7	16.4	32.3	47.8	16.5	29.0	47.4	10.6	55.7	79.8	30.1	89.5	137.3	46.0	7.2	12.2	3.3
Motor vehicle accidents	16.7	24.7	8.8	14.8	22.1	7.5	14.6	21.5	7.7	20.5	31.5	9.5	64.3	90.5	39.9	8.7	12.2	5.4
Falls	13.0	15.0	11.2	13.3	14.8	11.9	10.9	14.1	8.3	5.8	5.6	6.1	20.5	26.1	15.0	7.6	11.3	4.9
Accidental drowning and submersion	1.5	2.2	0.9	1.7	2.1	1.3	1.1	1.8	**	2.2	3.8	**	2.0	4.4	0.0	**	**	**
Chronic lower respiratory diseases	33.9	33.5	34.2	38.5	36.9	39.8	14.9	18.9	11.9	25.9	29.1	23.7	18.2	14.4	20.7	8.3	12.1	5.8
Cerebrovascular diseases	32.5	32.5	32.2	30.6	29.7	31.0	38.5	39.8	37.2	51.4	60.5	44.6	30.3	39.2	23.6	25.9	25.9	25.6
Alzheimer's disease	26.3	20.9	30.4	26.2	20.8	30.5	29.3	22.6	33.6	35.8	29.7	40.0	15.6	16.2	15.3	14.6	13.8	15.0
Diabetes	23.9	31.5	17.0	19.2	26.9	12.2	33.2	39.3	27.8	43.2	55.3	31.8	83.7	103.6	66.9	22.5	21.6	22.7
Intentional self-harm (suicide)	18.9	30.2	8.0	21.9	35.1	8.9	10.9	18.0	3.8	18.0	25.4	9.8	32.1	43.5	20.6	6.0	8.7	**
Chronic liver disease and cirrhosis	16.4	19.6	13.4	13.8	16.7	11.2	17.1	20.6	13.8	8.3	8.8	7.9	91.8	102.4	82.3	6.4	12.8	1.7
Essential (primary) hypertension and hypertensive renal disease	10.6	11.3	9.9	9.6	10.5	8.7	12.3	10.0	13.5	26.8	31.4	22.2	12.5	12.6	12.3	10.7	12.1	9.4
Influenza and pneumonia	9.6	11.2	8.3	8.9	10.1	7.9	10.1	12.8	8.0	12.3	18.1	7.7	28.0	31.3	24.9	7.6	9.4	6.4
COVID-19	9.5	11.7	7.8	9.3	10.9	7.9	9.7	13.8	6.7	7.8	8.1	7.6	20.3	26.9	14.6	9.3	14.0	6.1
Parkinson's disease	9.3	13.4	5.9	9.7	13.9	6.2	6.6	10.7	3.8	7.6	12.7	**	9.2	13.2	6.6	10.1	13.3	8.1
Nephritis, nephrotic syndrome and nephrosis	8.2	10.2	6.4	6.3	8.2	4.7	10.9	14.3	8.4	18.5	18.3	18.8	25.7	31.5	20.4	9.3	11.3	7.8
Assault (homicide)	7.4	11.6	3.1	4.1	5.8	2.3	7.8	12.4	3.0	21.9	36.9	5.7	26.1	44.3	8.9	1.6	**	**
Septicemia	5.7	6.4	5.1	4.7	5.3	4.2	8.1	9.1	7.1	10.3	11.0	9.3	16.5	15.3	17.6	**	**	**
Human immunodeficiency virus (HIV) disease	0.9	1.6	0.3	0.7	1.2	**	1.1	1.7	**	2.1	3.3	**	2.2	**	**	**	**	0.0
Injury by firearms	18.3	31.7	5.2	18.0	31.0	5.2	13.1	22.8	3.3	31.4	51.9	8.4	30.9	49.6	12.5	4.4	7.9	**
Drug-induced deaths	36.8	53.8	19.7	36.2	51.2	20.9	31.1	49.4	12.7	58.7	84.0	31.7	78.7	115.4	44.9	8.4	13.4	4.4
Opioid-induced deaths	26.8	40.4	12.9	26.4	38.6	13.7	22.2	36.0	8.2	44.4	64.7	22.3	57.9	89.7	28.2	5.4	9.2	**
Alcohol-induced deaths	17.9	23.8	12.3	16.6	21.4	12.0	11.2	16.8	6.2	8.9	10.1	8.0	115.6	161.3	75.3	4.5	9.8	**

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, 2023**

	Arizona		Urban			Rural		
	Total	Male	Female	Total	Male	Female	Total	Male
Total, all causes	720.5	852.7	597.3	693.6	816.1	580.6	853.6	1027.4
Major cardiovascular diseases	194.5	234.7	158.8	191.6	229.0	158.8	208.4	259.7
Diseases of heart	145.4	183.6	111.9	142.1	178.1	111.0	160.5	206.7
Coronary heart disease	101.3	133.8	73.1	98.9	129.7	72.5	111.8	150.5
Malignant neoplasms	128.4	147.0	113.0	124.7	142.4	110.4	143.8	165.4
Malignant neoplasm of trachea, bronchus and lung	23.1	26.1	20.5	22.3	24.9	20.1	26.9	31.2
Malignant neoplasm of colon, rectum, and anus	12.8	15.6	10.4	12.4	15.1	10.1	14.2	17.0
Malignant neoplasm of breast	9.4	0.2	17.5	9.2	0.2	17.0	10.2	0.1
Malignant neoplasm of prostate	7.7	17.2	0.0	6.9	15.5	0.0	11.1	23.7
Malignant melanoma of skin	2.1	3.0	1.3	2.0	3.0	1.2	2.6	3.0
Malignant neoplasm of cervix uteri	1.0	0.0	2.0	0.9	0.0	1.7	1.8	0.0
Accidents (unintentional injury)	74.6	107.0	42.5	70.5	100.8	40.6	95.6	137.4
Accidental poisoning	34.1	51.7	16.4	32.6	49.8	15.3	40.2	58.3
Motor vehicle accidents	16.7	24.7	8.8	14.8	21.9	7.8	28.5	41.2
Falls	13.0	15.0	11.2	13.3	15.1	11.6	12.2	15.4
Accidental drowning and submersion	1.5	2.2	0.9	1.5	2.1	0.9	1.4	2.2
Chronic lower respiratory diseases	33.9	33.5	34.2	30.8	30.0	31.2	47.8	47.8
Cerebrovascular diseases	32.5	32.5	32.2	32.5	31.9	32.6	32.8	35.7
Alzheimer's disease	26.3	20.9	30.4	26.8	21.7	30.6	24.0	17.8
Diabetes	23.9	31.5	17.0	23.2	30.8	16.5	26.9	34.9
Intentional self-harm (suicide)	18.9	30.2	8.0	16.6	26.4	7.1	33.4	52.5
Chronic liver disease and cirrhosis	16.4	19.6	13.4	13.9	16.7	11.3	31.4	36.3
Essential (primary) hypertension and hypertensive renal disease	10.6	11.3	9.9	11.1	11.7	10.3	8.6	9.2
Influenza and pneumonia	9.6	11.2	8.3	9.1	10.7	7.8	12.3	13.8
COVID-19	9.5	11.7	7.8	9.3	11.4	7.6	10.4	12.6
Parkinson's disease	9.3	13.4	5.9	9.7	14.1	6.2	7.6	10.8
Nephritis, nephrotic syndrome and nephrosis	8.2	10.2	6.4	7.5	9.4	5.8	11.4	13.9
Assault (homicide)	7.4	11.6	3.1	7.3	11.5	3.0	7.7	11.9
Septicemia	5.7	6.4	5.1	5.5	6.2	4.8	7.0	7.3
(HIV) disease	0.9	1.6	0.3	1.0	1.6	0.4	0.6	1.1
Injury by firearms	18.3	31.7	5.2	17.0	29.3	4.9	25.6	43.9
Drug-induced deaths	36.8	53.8	19.7	35.6	52.5	18.7	40.8	56.2
Opioid-induced deaths	26.8	40.4	12.9	26.4	40.1	12.5	27.0	38.9
Alcohol-induced deaths	17.9	23.8	12.3	14.4	19.0	10.1	39.9	53.2

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, 2023**

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	69,005	37,561	31,444	917.0	1005.2	830.0
Salmonella infections	0	0	0	0.0	0.0	0.0
Shigellosis and amebiasis	0	0	0	0.0	0.0	0.0
Certain other intestinal infections	194	82	112	2.6	2.2	3.0
Enterocolitis due to Clostridium difficile	106	47	59	1.4	1.3	1.6
Tuberculosis	10†	*	6	0.1	**	0.2
Respiratory tuberculosis	10†	*	*	0.1	**	**
Other tuberculosis	0†	*	*	**	**	**
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	553	286	267	7.3	7.7	7.0
Syphilis	10†	*	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	69	45	24	0.9	1.2	0.6
Human immunodeficiency virus (HIV) disease	77	64	13	1.0	1.7	0.3
Malaria	0	0	0	0.0	0.0	0.0
Other and unspecified infectious and parasitic diseases	386	236	150	5.1	6.3	4.0
Malignant neoplasms	12,922	6,887	6,035	171.7	184.3	159.3
Malignant neoplasm of lip, oral cavity and pharynx	244	175	69	3.2	4.7	1.8
Malignant neoplasm of esophagus	350	287	63	4.7	7.7	1.7
Malignant neoplasm of stomach	228	139	89	3.0	3.7	2.3
Malignant neoplasm of colon, rectum, and anus	1,254	708	546	16.7	18.9	14.4
Malignant neoplasm of liver and intrahepatic bile ducts	701	441	260	9.3	11.8	6.9
Malignant neoplasm of pancreas	1,052	541	511	14.0	14.5	13.5
Malignant neoplasm of larynx	80	62	18	1.1	1.7	0.5
Malignant neoplasm of trachea, bronchus and lung	2,408	1,255	1,153	32.0	33.6	30.4
Malignant melanoma of skin	208	137	71	2.8	3.7	1.9
Malignant neoplasm of breast	914	8	906	12.1	0.2	23.9
Malignant neoplasm of cervix uteri	80	0	80	1.1	0.0	2.1
Malignant neoplasm of corpus uteri and uterus, part unspecified	235	0	235	3.1	0.0	6.2
Malignant neoplasm of ovary	325	0	325	4.3	0.0	8.6
Malignant neoplasm of prostate	795	795	0	10.6	21.3	0.0
Malignant neoplasm of kidney and renal pelvis	323	205	118	4.3	5.5	3.1
Malignant neoplasm of bladder	366	258	108	4.9	6.9	2.9
Malignant neoplasm of meninges, brain and other parts of central nervous sy	362	208	154	4.8	5.6	4.1
Malignant neoplasm of lymphoid, hematopoietic and related tissue	1,178	710	468	15.7	19.0	12.4
Hodgkin's disease	18	10	8	0.2	0.3	0.2
Non-Hodgkin's lymphoma	398	243	155	5.3	6.5	4.1
Leukemia	527	327	200	7.0	8.8	5.3
Multiple myeloma and immunoproliferative neoplasms	229	126	103	3.0	3.4	2.7
Other and unspecified malignant neoplasms of lymphoid tissue	10†	*	*	0.1	**	**
All other and unspecified malignant neoplasm	1,819	958	861	24.2	25.6	22.7
In situ neoplasms	388	207	181	5.2	5.5	4.8
Anemias	81	41	40	1.1	1.1	1.1
Diabetes	2,330	1,433	897	31.0	38.3	23.7

TABLE 2B-6 (continued)
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES,
ARIZONA RESIDENTS, 2023

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	751	298	453	10.0	8.0	12.0
Malnutrition	729	289	440	9.7	7.7	11.6
Other nutritional deficiencies	22	9	13	0.3	0.2	0.3
Obesity	226	132	94	3.0	3.5	2.5
Meningitis	20†	*	14	0.3	**	0.4
Parkinson's disease	944	613	331	12.5	16.4	8.7
Alzheimer's disease	2,642	931	1,711	35.1	24.9	45.2
Major cardiovascular diseases	19,415	10,651	8,764	258.0	285.0	231.3
Diseases of heart	14,514	8,331	6,183	192.9	223.0	163.2
Acute rheumatic fever and chronic rheumatic heart disease	96	38	58	1.3	1.0	1.5
Hypertensive heart disease	2,095	1,007	1,088	27.8	26.9	28.7
Hypertensive heart and renal disease	308	149	159	4.1	4.0	4.2
Ischemic heart disease	8,070	5,095	2,975	107.2	136.4	78.5
Acute myocardial infarction	1,649	1,024	625	21.9	27.4	16.5
Other acute ischemic heart disease	64	42	22	0.9	1.1	0.6
Other forms of chronic ischemic heart disease	6,357	4,029	2,328	84.5	107.8	61.4
Atherosclerotic cardiovascular disease	1,787	1,217	570	23.7	32.6	15.0
All other forms of chronic ischemic heart disease	4,570	2,812	1,758	60.7	75.3	46.4
Other heart diseases	3,945	2,042	1,903	52.4	54.6	50.2
Acute and subacute endocarditis	38	31	7	0.5	0.8	0.2
Diseases of pericardium and acute myocarditis	24	12	12	0.3	0.3	0.3
Heart failure	1,091	589	502	14.5	15.8	13.3
All other forms of heart disease	2,792	1,410	1,382	37.1	37.7	36.5
Essential (primary) hypertension and hypertensive renal disease	1,060	515	545	14.1	13.8	14.4
Cerebrovascular diseases	3,240	1,468	1,772	43.1	39.3	46.8
Atherosclerosis	100	53	47	1.3	1.4	1.2
Other diseases of circulatory system	499	284	215	6.6	7.6	5.7
Aortic aneurysm and dissection	264	170	94	3.5	4.5	2.5
Other disease of arteries, arterioles and capillaries	235	114	121	3.1	3.1	3.2
Other disorders of circulatory system	134	82	52	1.8	2.2	1.4
Influenza and pneumonia	931	503	428	12.4	13.5	11.3
Influenza	71	33	38	0.9	0.9	1.0
Pneumonia	860	470	390	11.4	12.6	10.3
COVID-19	954	528	426	12.7	14.1	11.2
Other acute lower respiratory infections	10†	*	*	**	**	**
Acute bronchiolitis	0†	0	*	**	0.0	**
Unspecified acute lower respiratory infection	0†	*	0	**	**	0.0
Chronic lower respiratory diseases	3,475	1,562	1,913	46.2	41.8	50.5
Bronchitis, chronic and unspecified	10†	*	*	0.1	**	**
Emphysema	198	99	99	2.6	2.6	2.6
Asthma	74	28	46	1.0	0.7	1.2
Other chronic lower respiratory diseases	3,195	1,432	1,763	42.5	38.3	46.5
Pneumoconioses and chemical effects	10†	6	*	0.1	0.2	**
Pneumonitis due to solids and liquids	246	160	86	3.3	4.3	2.3
Other disease of respiratory system	1,190	677	513	15.8	18.1	13.5
Peptic ulcer	101	54	47	1.3	1.4	1.2
Diseases of appendix	10†	*	6	0.1	**	0.2
Hernia	57	28	29	0.8	0.7	0.8

TABLE 2B-6 (continued)
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES,
ARIZONA RESIDENTS, 2023

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	1,424	832	592	18.9	22.3	15.6
Alcoholic liver disease	860	516	344	11.4	13.8	9.1
Other chronic liver disease and cirrhosis	564	316	248	7.5	8.5	6.5
Cholelithiasis and other disorders of gallbladder	92	51	41	1.2	1.4	1.1
Nephritis, nephrotic syndrome and nephrosis	811	469	342	10.8	12.6	9.0
Acute and rapidly progressive nephritic and nephrotic syndrome	10†	6	*	0.1	0.2	**
Chronic glomerulonephritis	15	9	6	0.2	0.2	0.2
Renal failure	785	454	331	10.4	12.1	8.7
Others disorders of kidney	0†	0	*	**	0.0	**
Infections of kidney	31	9	22	0.4	0.2	0.6
Hyperplasia of prostate	14	14	0	0.2	0.4	0.0
Inflammatory diseases of female pelvic organs	10†	0	*	**	0.0	**
Pregnancy, childbirth and the puerperium	25	0	25	0.3	0.0	0.7
Pregnancy with abortive outcome	0†	0	*	**	0.0	**
Other complications of pregnancy, childbirth and the puerperium	24	0	24	0.3	0.0	0.6
Perinatal conditions	214	118	94	2.8	3.2	2.5
Congenital malformations	225	117	108	3.0	3.1	2.9
Symptoms, signs, abnormal findings ^a	691	356	335	9.2	9.5	8.8
Total accidents	6,000	4,152	1,848	79.7	111.1	48.8
Transport accidents	1,400	1,035	365	18.6	27.7	9.6
Motor vehicle accidents	1,299	954	345	17.3	25.5	9.1
Other land transport accidents	44	37	7	0.6	1.0	0.2
Water, air, space	57	44	13	0.8	1.2	0.3
Nontransport accidents	4,600	3,117	1,483	61.1	83.4	39.1
Falls	1,287	668	619	17.1	17.9	16.3
Accidental discharge of firearms	10†	*	*	0.1	**	**
Accidental drowning and submersion	120	84	36	1.6	2.2	1.0
Accidental exposure to smoke, fire and flames	67	44	23	0.9	1.2	0.6
Accidental poisoning	2,483	1,882	601	33.0	50.4	15.9
Other and unspecified non-transport accidents	637	434	203	8.5	11.6	5.4
Intentional self-harm (suicide)	1,485	1,173	312	19.7	31.4	8.2
By discharge of firearms	940	838	102	12.5	22.4	2.7
By other means	545	335	210	7.2	9.0	5.5
Assault (homicide)	526	419	107	7.0	11.2	2.8
By discharge of firearms	406	323	83	5.4	8.6	2.2
By other means	120	96	24	1.6	2.6	0.6
Legal intervention	30†	32	*	0.4	0.9	**
Events of undetermined intent	158	100	58	2.1	2.7	1.5
Discharge of firearms	20†	18	*	0.3	0.5	**
Other and unspecified events of undetermined intent	136	82	54	1.8	2.2	1.4
Operations of war	0†	*	0	**	**	0.0
Complications of medical and surgical care	62	29	33	0.8	0.8	0.9
Injury by firearms	1,405	1,214	191	18.7	32.5	5.0
Drug-induced deaths	2,705	1,973	732	35.9	52.8	19.3
Opioid-induced deaths	1,928	1,453	475	25.6	38.9	12.5
Alcohol-induced deaths	1,467	967	500	19.5	25.9	13.2

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, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ALL FORMS OF HEART DISEASE	TOTAL	10,497	9,953	11,274	11,820	12,285	12,410	12,560	14,185	14,536	14,514
	Male	5,910	5,575	6,286	6,702	6,973	7,030	7,129	8,097	8,386	8,331
	Female	4,587	4,378	4,988	5,118	5,312	5,380	5,431	6,088	6,150	6,183
Acute rheumatic fever and chronic rheumatic heart disease	TOTAL	64	74	52	77	79	98	71	87	98	96
	Male	17	26	20	33	27	41	31	31	42	38
	Female	47	48	32	44	52	57	40	56	56	58
Hypertensive heart and renal disease	TOTAL	49	65	71	111	147	153	165	179	240	257
	Male	27	31	36	56	73	81	77	82	121	115
	Female	22	34	35	55	74	72	88	97	119	142
Ischemic heart disease	TOTAL	7,159	6,650	7,264	7,734	7,814	7,540	7,617	8,586	8,491	8,227
	Male	4,259	3,957	4,391	4,703	4,829	4,670	4,642	5,295	5,325	5,148
	Female	2,900	2,693	2,873	3,031	2,985	2,870	2,975	3,291	3,166	3,079
Hypertensive heart disease	TOTAL	943	991	1,118	1,114	1,122	1,400	1,409	1,619	1,943	2,029
	Male	462	491	517	554	526	711	735	779	987	1,019
	Female	481	500	601	560	596	689	674	840	956	1,010
Other heart diseases	TOTAL	2,282	2,173	2,769	2,784	3,123	3,219	3,298	3,714	3,764	3,917
	Male	1,145	1,070	1,322	1,356	1,518	1,527	1,644	1,910	1,911	2,033
	Female	1,137	1,103	1,447	1,428	1,605	1,692	1,654	1,804	1,853	1,903

**TABLE 2B-8
NUMBER OF DEATHS FOR SELECTED SUBCATEGORIES OF MALIGNANT NEOPLASMS BY GENDER AND YEAR,
ARIZONA, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ALL CANCERS^a	TOTAL^b	11,193	10,600	11,624	11,801	11,917	12,097	12,485	12,671	12,810	12,922
	Male	5,950	5,731	6,263	6,429	6,493	6,675	6,740	6,821	6,825	6,887
	Female	5,243	4,869	5,361	5,372	5,424	5,422	5,745	5,850	5,985	6,035
ICD-9 140-149/ICD-10 C00-C14 - Malignant neoplasm of lip, oral cavity and pharynx (oropharyngeal cancer)	TOTAL	150	137	160	205	180	165	187	217	225	244
	Male	101	98	109	157	128	127	141	154	167	175
	Female	49	39	51	48	52	38	46	63	58	69
ICD-9 150/ICD-10 C15 - Malignant neoplasm of esophagus	TOTAL	320	286	303	310	333	332	332	313	361	350
	Male	257	230	249	246	273	271	270	263	301	287
	Female	63	56	54	64	60	61	62	50	60	63
ICD-9 151/ICD-10 C16 - Malignant neoplasm of stomach	TOTAL	202	186	211	226	203	236	226	215	233	228
	Male	122	109	121	128	124	134	134	125	142	139
	Female	80	77	90	98	79	102	92	90	91	89
ICD-9 153, 154/ICD-10 C18-C21 - Malignant neoplasm of colon, rectum, rectosigmoid junction and anus	TOTAL	997	953	1,022	1,069	1,118	1,126	1,117	1,173	1,159	1,254
	Male	510	510	568	591	639	641	621	602	638	708
	Female	487	443	454	478	479	485	496	571	521	546
ICD-9 157/ICD-10 C25 - Malignant neoplasm of pancreas	TOTAL	755	769	852	901	914	952	1,018	1,005	984	1,052
	Male	392	400	461	494	484	513	541	545	531	541
	Female	363	369	391	407	430	439	477	460	453	511
ICD-9 162/ICD-10 C33-C34 - Malignant neoplasm of trachea, bronchus and lung	TOTAL	2,763	2,543	2,885	2,689	2,754	2,640	2,510	2,592	2,595	2,408
	Male	1,485	1,385	1,533	1,452	1,487	1,436	1,315	1,336	1,348	1,255
	Female	1,278	1,158	1,352	1,237	1,267	1,204	1,195	1,256	1,247	1,153
ICD-9 172/ICD-10 C43 - Malignant melanoma of skin	TOTAL	222	215	213	191	190	209	206	212	218	208
	Male	137	147	142	131	129	150	133	151	137	137
	Female	85	68	71	60	61	59	73	61	81	71
ICD-9 174,175/ICD-10 C50 - Malignant neoplasm of breast	TOTAL	836	729	810 ⁺	853	834	815	911	894	972	914
	Male	9	6	*	9	8	10	12	11	16	8
	Female	827	723	809	844	826	805	899	883	956	906

TABLE 2B-8 (continued)
NUMBER OF DEATHS FOR SELECTED SUBCATEGORIES OF MALIGNANT NEOPLASMS BY GENDER AND YEAR,
ARIZONA, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ICD-9 180/ICD-10 C53 - Malignant neoplasm of cervix uteri	TOTAL	86	75	84	82	78	84	74	100	93	80
	Female	86	75	84	82	78	84	74	100	93	80
ICD-9 179, 182/ ICD-10 C54-C55 - Malignant neoplasm of body of uterus and of uterus, part unspecified	TOTAL	140	176	180	168	200	203	212	233	268	235
	Female	140	176	180	168	200	203	212	233	268	235
ICD-9 185/ICD-10 C61 - Malignant neoplasm of prostate	TOTAL	570	572	633	697	659	734	795	779	755	795
	Male	570	572	633	697	659	734	795	779	755	795
ICD-9 188/ICD-10 C67 - Malignant neoplasm of bladder	TOTAL	293	305	355	367	362	362	416	418	387	366
	Male	221	241	255	267	279	276	321	327	284	258
ICD-9 189/ICD-10 C64-C65 - Malignant neoplasm of kidney and other and unspecified urinary organs	Female	72	64	100	100	83	82	95	91	103	108
	TOTAL	274	254	309	308	323	351	308	317	322	323
ICD-9 191, 192/ICD-10 C70-C72 - Malignant neoplasm of brain	Male	179	177	224	205	208	250	202	215	210	205
	Female	95	77	85	103	115	101	106	102	112	118
ICD-9 201/ICD-10 81 - Hodgkin's disease	TOTAL	325	339	323	340	339	366	379	395	389	362
	Male	172	194	190	195	194	206	220	227	219	208
ICD-9 200, 202/ICD-10 C82-C85 - Malignant lymphoma other than Hodgkin's disease	Female	153	145	133	145	145	160	159	168	170	154
	TOTAL	26	10†	30	22	29	22	22	25	27	18
ICD-9 203/ICD-10 C88, C90 - Multiple myeloma and immunoproliferative neoplasms	Male	16	10	21	10	15	12	14	13	17	10
	Female	10	*	9	12	14	10	8	11	10	8
ICD-9 200, 202/ICD-10 C82-C85 - Malignant lymphoma other than Hodgkin's disease	TOTAL	416	371	397	399	388	398	409	433	475	398
	Male	251	196	216	221	240	235	252	246	281	243
ICD-9 203/ICD-10 C88, C90 - Multiple myeloma and immunoproliferative neoplasms	Female	165	175	181	178	148	163	157	187	194	155
	TOTAL	247	221	240	243	270	297	258	292	274	229
Other malignant neoplasms	Male	129	133	139	149	162	181	150	147	180	126
	Female	118	88	101	94	108	116	108	103	94	103
Other malignant neoplasms	TOTAL	2,571	2,455	2,613	2,731	2,743	2,877	3,219	1,564	1,806	1,819
	Male	1,400	1,323	1,397	1,477	1,464	1,538	1,734	840	998	958
	Female	1,171	1,132	1,216	1,254	1,279	1,339	1,485	724	808	861

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

**TABLE 2B-9
NUMBER OF DEATHS FROM UNINTENTIONAL INJURIES IN ACCIDENTS BY CATEGORY AND YEAR AMONG
ARIZONA RESIDENTS, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total unintentional injury deaths	3,137	3,011	3,403	3,899	4,085	4,211	4,522	5,377	5,945	5,868	6,000
Railway accident	7	8	6	11	9	7	10	9	12	9	18
Motor vehicle accident	767	702	855	967	979	1,032	970	1,035	1,359	1,344	1,299
Water transport accident	*	0	*	*	7	7	*	*	*	7	*
Accident involving aircraft	9	*	7	10	17	10	13	14	18	11	*
Poisoning by drugs/medicaments	853	885	955	1,095	1,269	1,425	1,679	2,309	2,508	2,388	2,370
Poisoning by gases and vapors	112	94	105	153	105	120	118	174	143	146	113
Falls	870	881	1,014	1,103	1,076	1,090	1,109	1,127	1,146	1,172	1,287
Fire, flames, smoke	68	30	25	40	51	23	43	48	57	41	67
Excessive natural heat	56	32	43	99	108	94	118	210	194	243	352
Excessive natural cold	28	19	20	21	24	15	37	27	24	29	33
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	*
Bitten or struck by dog	*	*	*	*	*	0	*	*	*	*	*
Lightning	*	0	*	*	*	0	0	0	0	0	0
Storms and floods	0	0	0	0	12	*	*	0	*	*	*
Accidental drowning and submersion	72	78	81	105	106	92	100	99	115	126	120
Choked on food	29	33	34	33	38	40	38	38	42	55	28
Choked on other objects	57	56	53	38	39	29	40	31	48	29	32
Mechanical suffocation	21	35	40	35	41	25	37	27	42	38	30
Accidental discharge of firearms	9	6	*	7	8	10	13	6	8	13	6
Exposure to electric current	6	*	*	10	*	*	*	8	*	8	7
Overexertion	0	0	0	0	*	0	0	0	0	0	0
Adverse effects of drugs in therapeutic use	10	10	12	*	*	11	7	14	13	11	13
Misadventures to patients during medical/surgical care	46	32	20	43	96	103	108	113	130	70	49

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, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
TOTAL											
Total	767	702	855	967	979	1,032	970	1,035	1,359	1,344	1,299
Male	541	492	605	693	691	729	692	747	954	964	954
Female	226	210	250	274	288	303	278	288	405	380	345
Motorcyclist											
Total	111	100	121	126	137	130	130†	154	189	227	257
Male	98	93	106	118	122	114	130	139	172	202	239
Female	13	7	15	8	15	16	*	15	17	25	18
Pedestrian											
Total	152	138	160	218	245	251	227	235	307	325	278
Male	105	100	115	150	161	171	166	166	209	226	209
Female	47	38	45	68	84	80	61	69	98	99	69
Pedal cyclist											
Total	20†	20†	20†	20†	30†	20†	20†	30†	40†	41	30†
Male	19	15	15	18	24	18	18	23	34	34	30
Female	*	*	*	*	*	*	*	*	*	7	*
Other person											
Total	481	445	558	601	568	630	587	618	824	751	730
Male	319	284	369	407	384	426	378	419	539	502	476
Female	162	161	189	194	184	204	209	199	285	249	254

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, 2023**

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	69,005	15,941	3,881	27	24,796	44,645	6,092	11,921	6,347	24,360
Diseases of heart	14,514	3,027	1,048	8	5,702	9,785	868	2,778	1,083	4,729
Coronary heart disease	10,165	1,683	805	6	4,328	6,822	547	1,977	819	3,343
Malignant neoplasms	12,920†	2,051	235	*	6,437	8,730†	2,080	1,434	682	4,196
Malignant neoplasm of trachea, bronchus and lung	2,410†	435	43	*	1,184	1,660†	355	258	132	745
Malignant neoplasm of colon, rectum, and anus	1,254	174	25	0	650	849	193	150	62	405
Malignant neoplasm of breast	914	112	20	0	473	605	153	115	41	309
Malignant neoplasm of prostate	795	73	13	0	444	530	101	127	37	265
Malignant neoplasm of cervix uteri	80†	6	*	0	46	60†	17	*	*	30†
Accidents (unintentional injury)	6,000†	1,238	867	*	1,397	3,500†	361	191	1,945	2,497
Accidental poisoning	2,480†	211	352	*	907	1,470†	13	*	995	1,010†
Motor vehicle accidents	1,300†	320	300	0	7	627	23	*	644	670†
Falls	1,287	495	74	0	179	748	303	154	82	539
Accidental drowning and submersion	120†	24	23	0	30	77	*	0	42	40†
Chronic lower respiratory diseases	3,480†	653	124	*	1,522	2,300†	266	711	198	1,175
Cerebrovascular diseases	3,240†	771	91	*	758	1,620†	516	902	201	1,619
Alzheimer's disease	2,642	29	19	0	780	828	152	1,410	252	1,814
Diabetes	2,330†	432	229	*	1,134	1,800†	175	236	122	533
Intentional self-harm (suicide)	1,490†	98	120	0	833	1,051	7	*	424	430†
Chronic liver disease and cirrhosis	1,424	626	44	0	388	1,058	191	130	45	366
Essential (primary) hypertension & hypertensive renal disease	1,060	151	68	0	489	708	83	195	74	352
COVID-19	950†	543	36	*	145	730†	87	119	23	229
Parkinson's disease	940†	39	*	0	395	440†	65	369	71	505
Influenza and pneumonia	931	684	49	0	72	805	46	62	18	126
Nephritis, nephrotic syndrome and nephrosis	811	361	40	0	222	623	38	123	27	188
Septicemia	550†	453	23	0	22	498	37	17	*	55
Assault (homicide)	530†	70	146	0	97	313	*	*	206	210†
Human immunodeficiency virus (HIV) disease	80†	35	*	0	12	50†	13	8	7	28
Injury by firearms	1,405	96	206	0	627	929	7	0	469	476
Drug-induced deaths	2,710†	284	377	0	1,001	1,662	27	*	1,011	1,040†
Opioid-induced deaths	1,930†	143	281	0	708	1,132	10	*	781	800†
Alcohol-induced deaths	1,470†	418	76	*	600	1,100†	158	78	136	372

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.

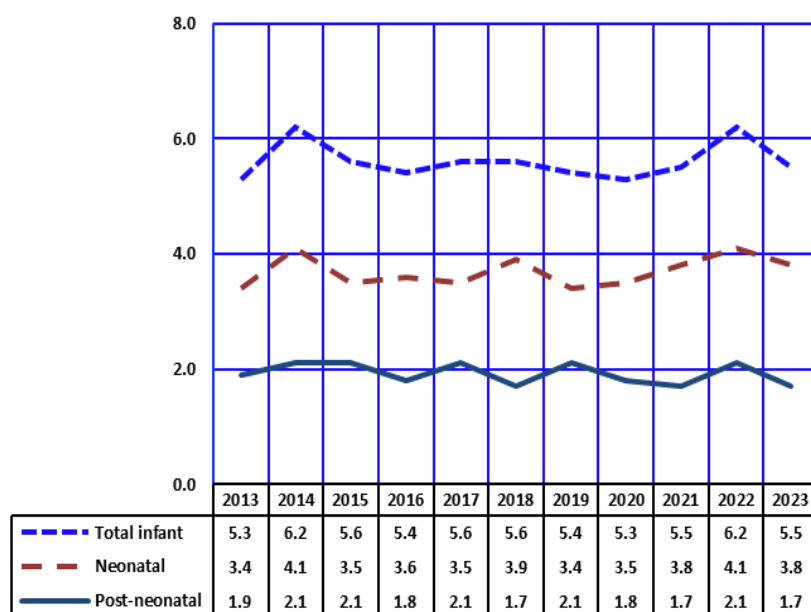
For each age group, cause-specific mortality is compared between urban (i.e., Maricopa, Pima, Pinal, and Yuma counties) and rural (all other counties) regions and between genders. Urban and rural regions also are compared in gender-specific total mortality.

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, 2013-2023



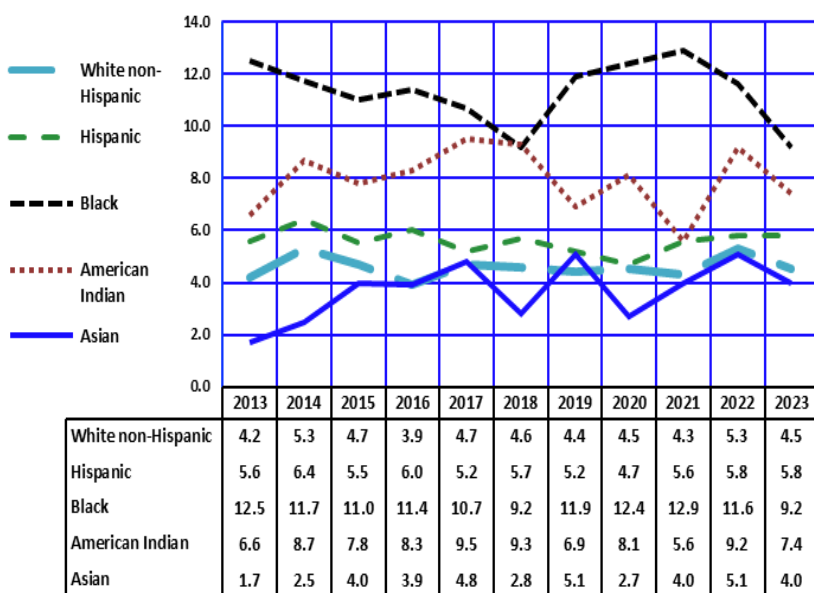
Notes: Neonatal deaths are those deaths affecting infants age 0-27 days; Post-neonatal deaths are deaths to infants aged 28 days-1 year.

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 2023, 430 Arizona infants died before reaching their first birthday, 105 fewer than the latest peak of 535 infant deaths in 2014, with a decrease of 53 deaths in comparison to 2022 (**Table 2C-2**).

Based on the actual number of infant deaths and live births in 2023, the infant mortality rate was slightly lower at 5.5 infant deaths per 1,000 live births in 2023 than in 2022 which had 6.2 infant deaths per 1,000 live births (**Figure 2C-1**).

Figure 2C-2
Infant Mortality Rates^a by Race/Ethnicity and Year,
Arizona, 2013-2023



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

In 2023, 94.4 percent (406/430)* 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 (2013-2023), 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.

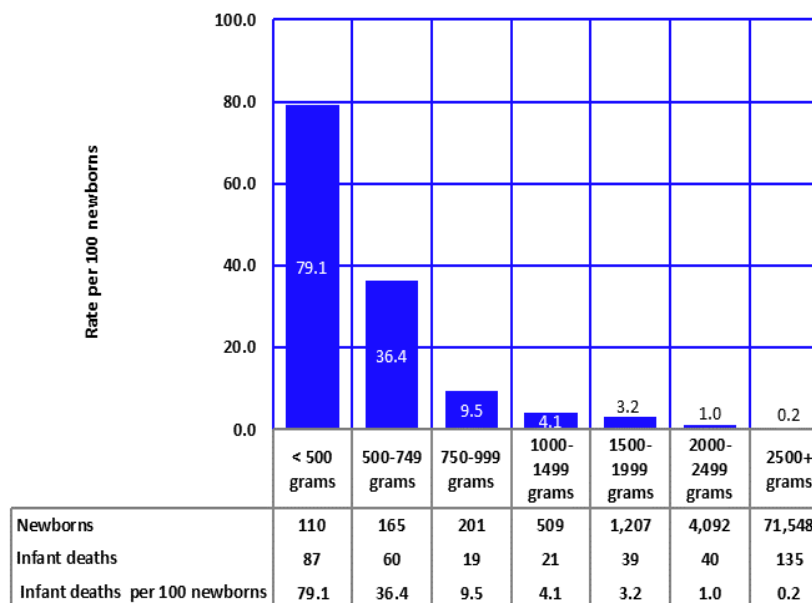
In parallel, in each year from 2013 to 2023, Black or African American and American Indian infants had the worst survival chances among the racial/ethnic groups (**Figure 2C-2**).

*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

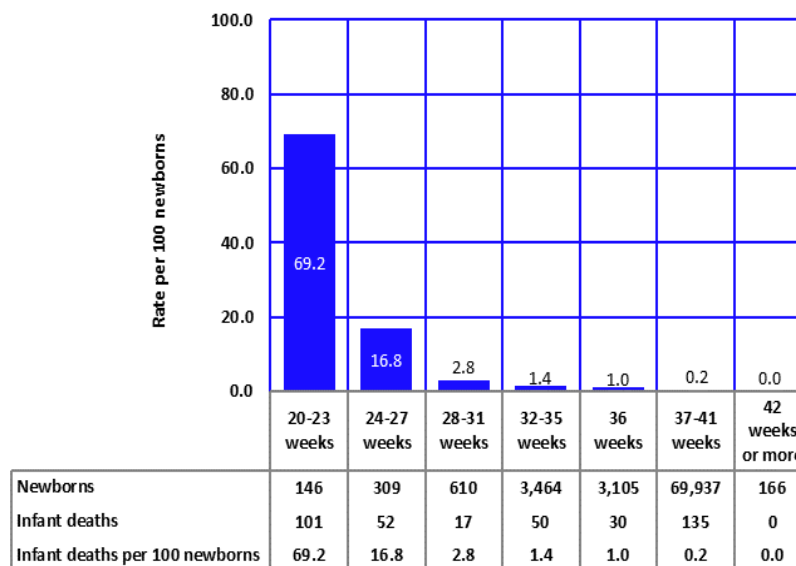
Infant mortality

Figure 2C-3
Proportion of Infant Deaths by Birthweight, Arizona, 2023



Note: 49 cases in the complete 2023 birth file had missing birthweight estimates.

Figure 2C-4.1
Proportion of Infant Deaths by Gestational Age, Arizona, 2023



Note: 94 cases in the complete 2023 birth file had missing gestational age; one of which were missing in the linked infant death file.

Newborn weight at birth is one of the most important predictors of an infant's survival chances. In 2023, the mortality rate of very low birth weight babies (birthweight less than 500 grams) was 79.1 per 100 live births (**Figure 2C-3**). The rate of infant deaths per 100 newborns increased as weight decreased. The infant death rate of babies born <500 grams was almost 400 times higher compared to the rate of babies born at 2,500 grams or more.

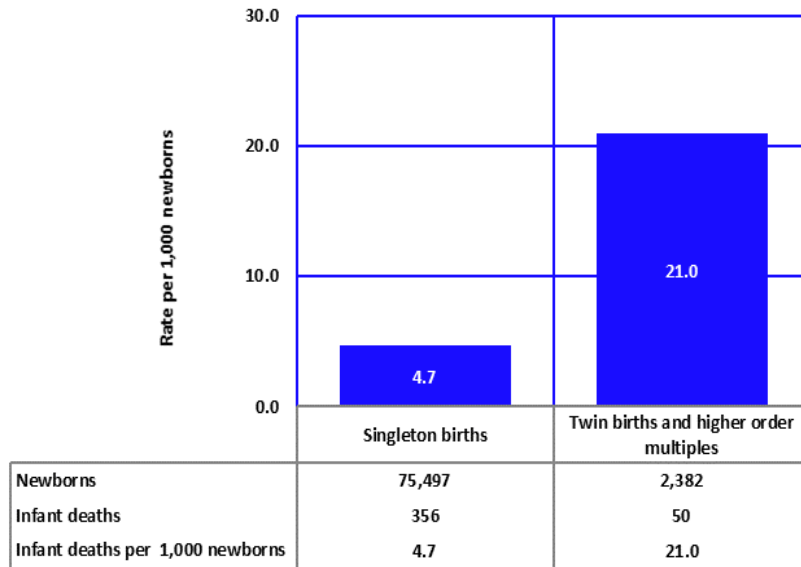
The absolute number of low birthweight births increased in 2023 to 6,284 from 6,113 in 2022, making it the highest since 2009 (n=6,573).

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 2023 births occurring between 20-27 weeks of gestation accounted for only 0.6 percent of all births but 35.6 percent of infant deaths with a matching death record. Births at 20-23 weeks of gestation have a very high infant mortality rate of 69.2 per 100 live births (**Figure 2C-4**). Overall, in 2023 preterm infants (those born before 37 weeks of gestation) accounted for 9.9 percent of all births (**Table 1B-2**) and 61.6 percent of all infant deaths (only those with matching death records).

2C.AGE-SPECIFIC MORTALITY

Infant mortality

Figure 2C-4.2
Infant Mortality Rates for Single and Multiple Births, Arizona, 2023

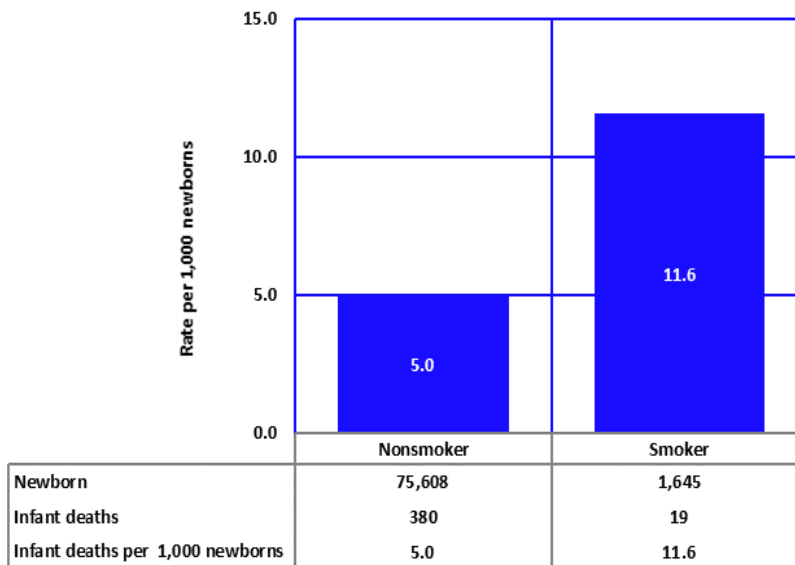


The infant mortality rate for single births was 4.7/1,000 live births in 2023 (**Figure 2C-4.2**). The infant mortality rate for twin births or higher order multiples (21.0/1,000 live births) was 4.5 times higher than the infant mortality for singleton births.

Babies born in multiple deliveries accounted for 3.1 percent of births (**Table 1B-16**), but 12.3 percent of all infant deaths in Arizona in 2023 (only those with matching birth and death records).

Note: 2 cases in the complete 2023 birth file was missing plurality.

Figure 2C-4.3
Infant Mortality Rates by Mother's Smoking Status during Pregnancy, Arizona, 2023



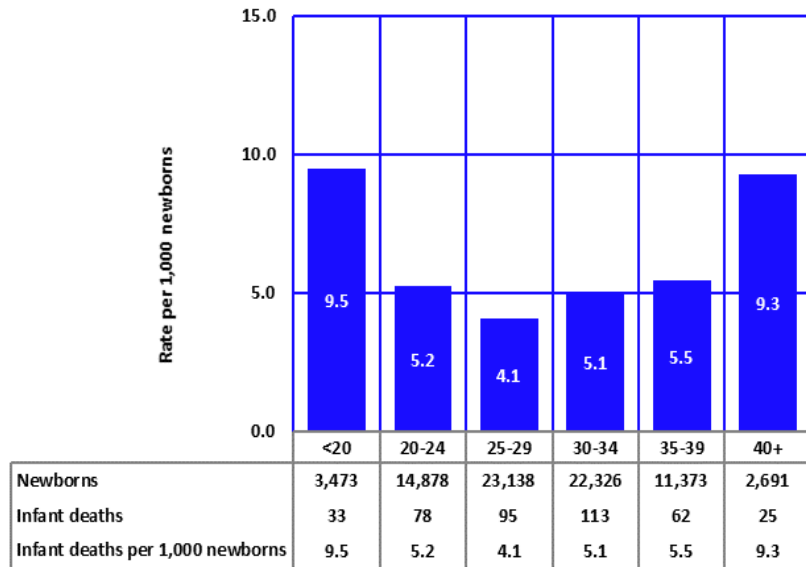
Smoking during pregnancy has been shown to increase the risk of preterm delivery, low birth weight and infant mortality. In 2023, among the 1,645 mothers who smoked during pregnancy, the risk of infant mortality was 2.3 times higher than among nonsmoker mothers (**Figure 2C-4.3**).

Note: 628 cases in the complete 2023 birth file were missing mothers' smoking status.

2C.AGE-SPECIFIC MORTALITY

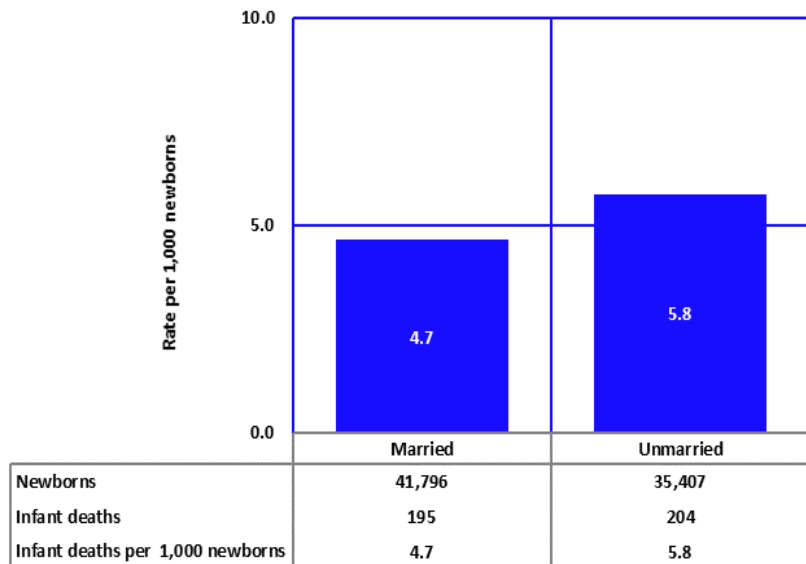
Infant mortality

Figure 2C-4.4
Infant Mortality Rates by Mother's Age Group, Arizona, 2023



Note: 2 cases in the complete 2023 birth file were missing mother's age.

Figure 2C-4.5
Infant Mortality Rates by Mother's Marital Status, Arizona, 2023



Note: 678 cases in the complete 2023 birth file were missing mother's marital status.

Infant mortality rates vary with maternal age. In 2023, infants born to younger mothers (less than 20 years), and older mothers (40+ years) had the highest infant mortality rates of all age groups, 9.5/1,000, and 9.3/1,000 respectively (**Figure 2C-4.4**). For mothers aged 20 through 39 years, the infant mortality rates were lower than 6 deaths/1,000.

Infants born to unmarried mothers accounted for the absolute majority of infant deaths in 2023 (204 infant deaths) compared to married mothers (195 infant deaths). In 2023, more children were born to married women (41,796) than their unmarried counterparts (35,407; **Table 1B-25**). Infants of unmarried mothers had an infant mortality rate of 5.8 deaths per 1,000 live births, 1.2 times higher than the rate for infants of married mothers (4.7 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.

TABLE 2C-1
INFANT, NEONATAL, AND POSTNEONATAL MORTALITY RATES AND PERCENT OF POSTNEONATAL DEATHS,
UNITED STATES, ARIZONA AND URBAN/RURAL COUNTIES OF ARIZONA, 2013-2023

UNITED STATES	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Infant mortality ^a	6.0	5.8	5.9	5.8	5.8	5.7	5.7	5.4	5.4	5.6	5.6
Neonatal mortality ^a	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.6	3.5	3.6	3.6
Postneonatal mortality ^a	2.0	1.8	1.9	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1
Percent postneonatal mortality ^b	33.3	31.0	32.2	34.5	32.8	33.3	33.9	34.3	35.8	36.1	36.8
ARIZONA, STATEWIDE TOTAL											
Infant mortality ^a	5.3	6.2	5.6	5.4	5.6	5.6	5.4	5.3	5.5	6.2	5.5
Neonatal mortality ^a	3.4	4.1	3.5	3.6	3.5	3.9	3.4	3.5	3.8	4.1	3.8
Postneonatal mortality ^a	1.9	2.1	2.1	1.8	2.1	1.7	2.1	1.8	1.7	2.1	1.7
Percent postneonatal mortality ^b	35.3	33.4	37.8	33.7	37.7	30.4	38.1	34.4	31.2	34.2	31.2
URBAN COUNTIES											
Infant mortality ^a	5.2	6.1	5.3	5.2	5.4	5.5	5.2	5.1	5.5	6.0	5.4
Neonatal mortality ^a	3.3	4.0	3.3	3.5	3.4	3.8	3.3	3.4	3.9	4.0	3.8
Postneonatal mortality ^a	1.8	2.1	2.0	1.7	2.0	1.6	2.0	1.7	1.6	2.0	1.7
Percent postneonatal mortality ^b	35.1	34.1	37.4	32.5	36.6	29.9	37.8	34.0	29.9	33.3	31.0
RURAL COUNTIES											
Infant mortality ^a	5.8	6.6	7.3	5.6	6.9	6.2	6.5	6.1	5.6	7.6	6.0
Neonatal mortality ^a	3.7	4.5	4.4	3.1	3.7	4.1	4.0	3.7	3.4	4.6	4.1
Postneonatal mortality ^a	2.2	2.1	3.0	2.4	3.2	2.1	2.5	2.3	2.2	3.0	1.9
Percent postneonatal mortality ^b	37.3	31.6	40.5	43.8	46.7	33.3	38.8	38.3	40.0	39.2	31.0

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.

<https://www.cdc.gov/nchs/data/vsrr/vsrr037.pdf>

TABLE 2C-2
NUMBER AND RATES^a OF INFANT DEATHS BY RACE/ETHNICITY AND GENDER, ARIZONA, 2013-2023
NUMBER OF INFANT DEATHS

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
White non-Hispanic											
Total	161	213	181	146	166	160	151	148	144	175	145
Male	93	122	99	87	93	94	81	88	68	102	80
Female	68	91	82	59	73	66	70	60	76	73	65
Hispanic or Latino											
Total	185	216	189	203	173	187	170	149	181	196	197
Male	97	108	94	111	98	110	99	84	102	108	103
Female	88	108	95	92	74	76	71	65	79	88	94
Black or African American											
Total	59	53	48	50	49	43	58	59	62	56	44
Male	30	35	24	23	30	18	33	29	28	33	21
Female	29	18	24	27	19	25	25	30	32	23	23
American Indian or Alaska Native											
Total	36	45	39	42	46	44	31	33	22	37	29
Male	19	24	21	22	23	20	19	16	13	23	13
Female	17	21	18	20	23	23	12	17	9	14	16
Asian or Pacific Islander											
Total	10†	10†	10†	13	16	10†	20†	10†	10†	20†	13
Male	*	6	*	7	10	*	13	7	9	11	6
Female	*	*	9	6	6	*	*	*	*	*	7
All groups^b											
Total	447	535	473	454	461	447	430	404	430	483	430
Male	242	295	243	250	262	250	247	228	224	279	223
Female	205	240	230	204	198	195	183	176	204	204	207

INFANT MORTALITY RATES

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
White non-Hispanic											
Total	4.2	5.3	4.7	3.9	4.7	4.6	4.4	4.5	4.3	5.3	4.5
Male	4.7	5.9	5.0	4.5	5.1	5.2	4.6	5.2	3.9	6.1	4.9
Female	3.7	4.7	4.4	3.2	4.2	3.9	4.2	3.7	4.6	4.5	4.1
Hispanic or Latino											
Total	5.6	6.4	5.5	6.0	5.2	5.7	5.2	4.7	5.6	5.8	5.8
Male	5.7	6.2	5.4	6.4	5.8	6.5	6.0	5.2	6.2	6.3	5.9
Female	5.5	6.6	5.6	5.5	4.5	4.7	4.4	4.2	5.0	5.4	5.7
Black or African American											
Total	12.5	11.7	11.0	11.4	10.7	9.2	11.9	12.4	12.9	11.6	9.2
Male	12.3	14.9	10.7	10.3	12.6	7.9	13.1	12.0	11.7	13.4	8.5
Female	12.7	8.3	11.3	12.5	8.6	10.5	10.6	12.8	13.4	9.7	10.0
American Indian or Alaska Native											
Total	6.6	8.7	7.8	8.3	9.5	9.3	6.9	8.1	5.6	9.2	7.4
Male	6.7	9.4	8.3	8.7	9.2	8.2	8.3	7.6	6.5	11.4	6.5
Female	6.4	8.1	7.3	8.0	9.8	10.2	5.5	8.6	4.7	7.0	8.5
Asian or Pacific Islander											
Total	1.7	2.5	4.0	3.9	4.8	2.8	5.1	2.7	4.0	5.1	4.0
Male	**	3.7	**	4.0	5.9	**	7.9	4.6	5.7	7.0	3.6
Female	**	**	5.7	3.7	3.7	**	**	**	**	**	4.3
All groups^b											
Total	5.3	6.2	5.6	5.4	5.6	5.6	5.4	5.3	5.5	6.2	5.5
Male	5.5	6.6	5.6	5.8	6.3	6.1	6.1	5.8	5.6	7.0	5.6
Female	5.0	5.7	5.5	4.9	4.9	5.0	4.7	4.7	5.4	5.3	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, 2013-2023
NUMBER OF INFANT DEATHS

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
White non-Hispanic											
Total	161	213	181	146	166	160	151	148	144	175	145
Neonatal	97	138	108	92	106	116	92	99	90	112	93
Postneonatal	64	75	73	54	60	44	59	49	54	63	52
Hispanic or Latino											
Total	185	216	189	203	173	187	170	149	181	196	197
Neonatal	131	149	130	142	115	136	109	108	134	138	145
Postneonatal	54	67	59	61	58	51	61	41	47	58	52
Black or African American											
Total	59	53	48	50	49	43	58	59	62	56	44
Neonatal	38	34	25	33	30	39	27	36	44	39	28
Postneonatal	21	19	23	17	19	18	21	23	18	17	16
American Indian or Alaska Native											
Total	36	45	39	42	46	44	31	33	22	37	29
Neonatal	20	26	16	21	20	25	14	13	12	18	20
Postneonatal	16	19	23	21	26	19	17	20	10	19	9
Asian or Pacific Islander											
Total	10†	10†	10†	13	16	10†	20†	10†	10†	16	10†
Neonatal	*	7	12	13	7	*	11	*	9	10	10
Postneonatal	*	*	*	0	9	*	*	*	*	6	*
All groups^b											
Total	447	535	473	454	461	447	430	404	430	483	430
Neonatal	289	354	294	301	287	311	266	265	296	318	296
Postneonatal	158	181	179	153	174	136	164	139	134	165	134

INFANT MORTALITY RATES

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
White non-Hispanic											
Total	4.2	5.3	4.7	3.9	4.7	4.6	4.4	4.5	4.3	5.3	4.5
Neonatal	2.5	3.4	2.8	2.4	3.0	3.3	2.7	3.0	2.7	3.4	2.9
Postneonatal	1.7	1.9	1.9	1.4	1.7	1.3	1.7	1.5	1.6	1.9	1.6
Hispanic or Latino											
Total	5.6	6.4	5.5	6.0	5.2	5.7	5.2	4.7	5.6	5.8	5.8
Neonatal	4.0	4.4	3.8	4.2	3.5	4.1	3.3	3.4	4.2	4.1	4.3
Postneonatal	1.6	2.0	1.7	1.8	1.7	1.5	1.9	1.3	1.5	1.7	1.5
Black or African American											
Total	12.5	11.7	11.0	11.4	10.7	9.2	11.9	12.4	12.9	11.6	9.2
Neonatal	8.0	7.5	5.7	7.5	6.5	5.4	7.6	7.6	9.2	8.0	5.9
Postneonatal	4.4	4.2	5.3	3.9	4.1	3.9	4.3	4.8	3.8	3.5	3.4
American Indian or Alaska Native											
Total	6.6	8.7	7.8	8.3	9.5	9.3	6.9	8.1	5.6	9.2	7.4
Neonatal	3.7	5.1	3.2	4.2	4.1	5.3	3.1	3.2	3.1	4.5	5.1
Postneonatal	2.9	3.7	4.6	4.2	5.3	4.0	3.8	4.9	2.6	4.7	2.3
Asian or Pacific Islander											
Total	1.7	2.5	4.0	3.9	4.8	2.8	5.1	2.7	4.0	5.1	4.0
Neonatal	**	2.2	3.7	3.9	2.1	**	3.5	**	3.0	3.2	3.1
Postneonatal	**	**	**	0.0	2.7	**	**	**	**	1.9	**
All groups^b											
Total	5.3	6.2	5.6	5.4	5.6	5.6	5.4	5.3	5.5	6.2	5.5
Neonatal	3.4	4.1	3.5	3.6	3.5	3.9	3.4	3.5	3.8	4.1	3.8
Postneonatal	1.9	2.1	2.1	1.8	2.1	1.7	2.1	1.8	1.7	2.1	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, 2023**

	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	223	153	70	5.6	3.8	1.8
Female	207	143	64	5.4	3.8	1.7
White non-Hispanic	145	93	52	4.5	2.9	1.6
Male	80	48	32	4.9	3.0	2.0
Female	65	45	20	4.1	2.9	1.3
Hispanic or Latino	197	145	52	5.8	4.3	1.5
Male	103	76	27	5.9	4.4	1.6
Female	94	69	25	5.7	4.2	1.5
Black or African American	44	28	16	9.2	5.9	3.4
Male	21	14	7	8.5	5.7	2.8
Female	23	14	9	10.0	6.1	3.9
American Indian or Alaska Native	29	20	9	7.4	5.1	2.3
Male	10†	11	*	6.5	5.5	**
Female	16	9	7	8.5	4.8	3.7
Asian or Pacific Islander	10†	10	*	4.0	3.1	**
Male	10†	*	*	3.6	**	**
Female	10†	6	*	4.3	3.7	**

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 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, 2013-2023**

Causes of death	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Congenital malformations, deformations and chromosomal abnormalities	101	121	117	105	92	122	103	87	94	112	96
of brain, spinal cord or nervous system	13	24	20	14	18	17	12	12	14	13	14
of respiratory system	*	*	8	7	*	13	13	6	*	7	6
Short gestation and low birth weight	56	63	53	55	64	73	54	73	88	90	65
Maternal complications	28	39	39	28	31	21	23	20	17	18	24
Accidents (unintentional injuries)	14	27	29	16	23	13	20	17	31	30	19
Sudden infant death syndrome	14	13	15	7	14	14	17	13	13	14	10
Intrauterine hypoxia or birth asphyxia	6	9	*	6	11	*	6	11	7	11	10
Respiratory distress syndrome	*	*	*	*	6	*	*	8	8	8	8
COVID-19	-	-	-	-	-	-	-	0	*	*	*
Assault (homicide)	*	6	*	*	10	*	8	*	*	*	*
Influenza and pneumonia	*	*	*	*	*	*	*	*	*	*	*
Total, all causes	447	535	473	454	461	447	430	404	430	483	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).

TABLE 2C-6
INFANT MORTALITY RATES^a FOR SELECTED LEADING CAUSES OF DEATH BY YEAR, ARIZONA, 2013-2023

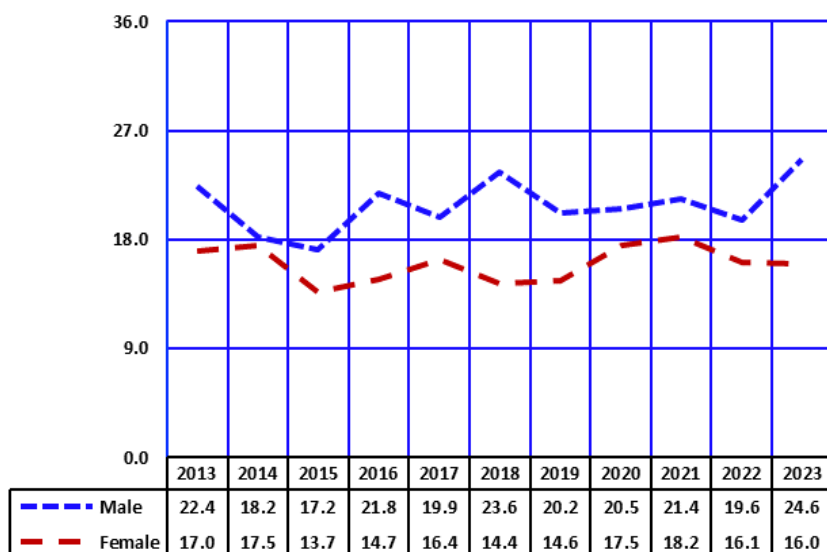
Causes of death	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Congenital malformations, deformations and chromosomal abnormalities	1.2	1.4	1.4	1.2	1.1	1.5	1.3	1.1	1.2	1.4	1.2
of brain, spinal cord or nervous system	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
of respiratory system	**	**	0.1	0.1	**	0.2	0.2	0.1	**	0.1	0.1
Short gestation and low birth weight	0.7	0.7	0.6	0.7	0.8	0.9	0.7	1.0	1.1	1.1	0.8
Maternal complications	0.3	0.5	0.5	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.3
Accidents (unintentional injuries)	0.2	0.3	0.3	0.2	0.3	0.2	0.3	0.2	0.4	0.4	0.2
Sudden infant death syndrome	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Intrauterine hypoxia or birth asphyxia	0.1	0.1	**	0.1	0.1	**	0.1	0.1	0.1	0.1	0.1
Respiratory distress syndrome	**	**	**	**	0.1	**	**	0.1	0.1	0.1	0.1
COVID-19	-	-	-	-	-	-	-	0.0	**	**	**
Assault (homicide)	**	0.1	**	**	0.1	**	0.1	**	**	**	**
Influenza and pneumonia	**	**	**	**	**	**	**	**	**	**	**
Total, all causes	5.3	6.2	5.6	5.4	5.6	5.6	5.4	5.3	5.5	6.2	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).

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, 2013-2023

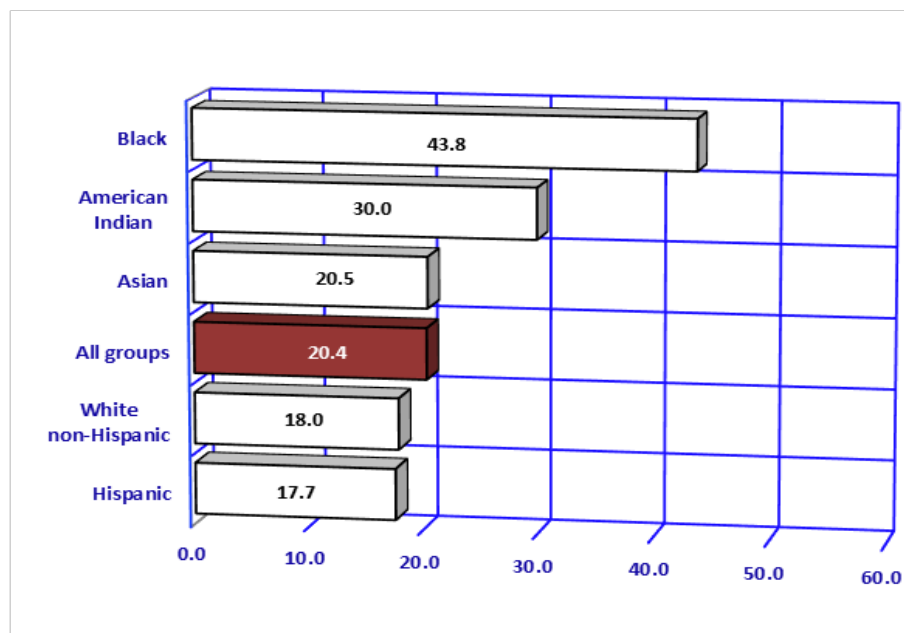


In 2023, a total of 265 deaths were recorded among 1,297,780 children aged 1-14 years residing in Arizona. The 2023 childhood mortality rate was 20.4 per 100,000, representing an increase from 17.9 in 2022 (**Table 2C-7**). Between 2022 and 2023 the mortality rate for male children increased and female children decreased minimally (**Figure 2C-5, Table 2C-7**).

The five causes with the greatest mortality rates in childhood from 2013-2023 were *accidents* (unintentional injuries), *malignant neoplasms*, *congenital malformations*, *homicide*, and *suicide* (**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, 2023



Black or African American children had the highest total mortality rate (43.8 deaths per 100,000) in 2023, followed by American Indian or Alaska Native children (30.0/100,000), and Asian or Pacific Islander children (20.5/100,000 **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.

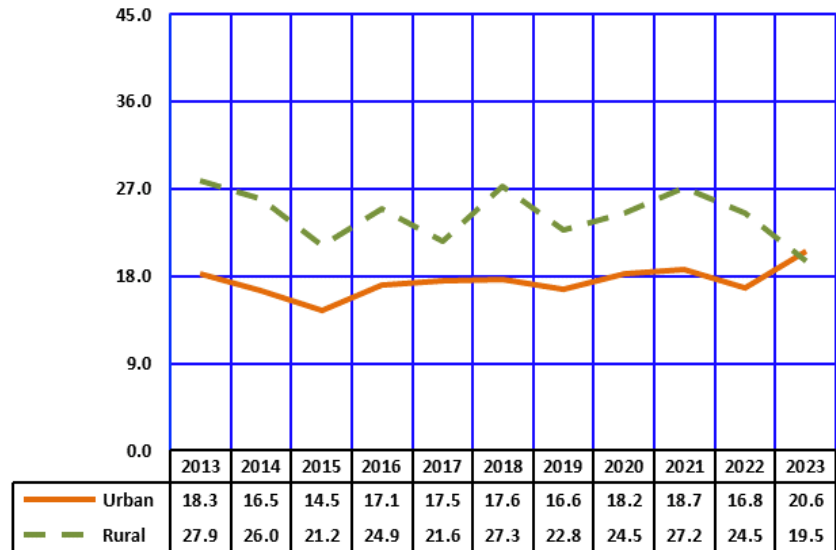
In 2023, there were 90 children who died from accidents (unintentional injuries) and 26 cancer (**Table 2C-10**).

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)

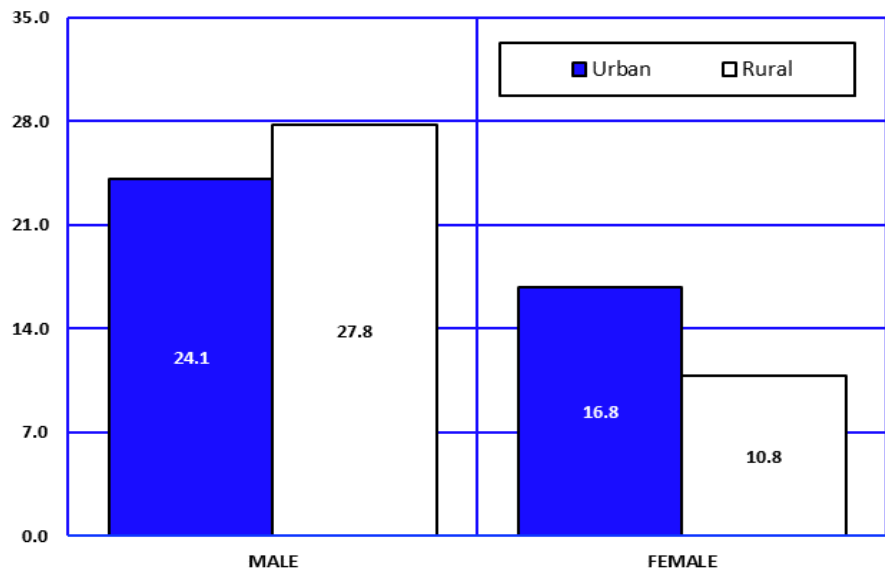
Figure 2C-7
Mortality Rates^a by Urban/Rural Area^b and Year among Children 1-14 Years, Arizona, 2013-2023



From 2022 to 2023, mortality rates decreased for rural children, but increased for urban children (**Figure 2C-7, Table 2C-8**). Between 2013 and 2023, urban childhood mortality rates have generally been lower than rural childhood mortality rates in each year except for 2023.

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, 2023



The overall mortality rate among children 1-14 years residing in Arizona was higher for males in rural areas compared to urban with 27.8 deaths per 100,000 persons aged 1-14 years in rural areas versus 24.1 deaths per 100,000 persons aged 1-14 years in urban areas. Contrastingly, the mortality rate for females 1-14 years was opposite with 10.8 deaths per 100,000 persons aged 1-14 years in rural areas compared to 16.8 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, 2013-2023

Gender/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
MALE												
Accidents (unintentional injuries)	8.6	6.5	5.7	7.0	6.8	8.4	5.0	6.7	7.5	7.5	8.8	2.3
Other	2.3	1.9	1.9	0.6	1.5	2.0	1.4	1.1	2.0	1.4	3.6	56.5
Motor vehicle accidents	4.5	2.5	2.0	4.0	2.9	3.2	2.9	3.4	3.0	3.5	3.0	-33.3
Drowning	1.8	2.2	1.9	2.3	2.3	3.2	0.8	2.2	2.5	2.6	2.1	16.7
Malignant neoplasms	2.5	1.7	1.7	1.6	2.3	2.3	3.1	2.0	1.9	1.4	2.0	-20.0
Congenital malformations	0.9	0.9	0.9	1.1	0.9	1.2	1.5	1.1	1.2	1.7	1.7	88.9
Assault (homicide)	1.4	0.9	1.2	0.9	0.6	0.5	1.8	1.7	1.4	1.1	1.4	0.0
Intentional self-harm (suicide)	0.6	1.1	1.1	0.8	1.7	2.0	1.4	1.7	1.2	1.1	0.9	50.0
ALL CAUSES	22.4	18.2	17.2	21.8	19.9	23.6	20.2	20.5	21.4	19.6	24.6	9.8
(Number of all deaths)	(146)	(118)	(111)	(140)	(129)	(154)	(132)	(132)	(137)	(128)	(163)	11.6
FEMALE												
Accidents (unintentional injuries)	4.5	3.7	4.3	4.5	5.1	3.3	4.1	5.3	7.0	4.8	5.0	11.1
Motor vehicle accidents	2.6	2.6	1.9	2.7	2.2	2.4	2.1	2.9	2.9	2.9	2.2	-15.4
Other	0.6	0.6	1.8	1.0	1.6	0.5	1.4	1.5	1.9	1.0	1.7	183.3
Drowning	1.3	0.5	0.6	0.8	1.3	0.5	0.6	1.0	2.1	1.0	1.1	-15.4
Malignant neoplasms	2.1	2.9	0.5	1.3	2.4	2.6	2.1	1.9	1.8	1.9	2.0	-4.8
Assault (homicide)	1.6	1.3	1.3	1.3	1.0	1.3	1.1	1.3	0.8	1.3	0.6	-62.5
Congenital malformations	2.4	1.3	2.1	0.6	1.1	1.3	1.0	1.8	1.5	1.1	0.5	-79.2
Influenza and pneumonia	0.2	0.2	0.2	0.2	0.3	0.3	0.0	0.2	0.2	0.6	0.3	50.0
ALL CAUSES	17.0	17.5	13.7	14.7	16.4	14.4	14.6	17.5	18.2	16.1	16.0	-5.9
(Number of all deaths)	(106)	(109)	(85)	(91)	(102)	(90)	(92)	(108)	(112)	(101)	(102)	(-3.8)
TOTAL												
Accidents (unintentional injuries)	6.6	5.1	5.0	5.8	6.0	5.9	4.6	6.0	7.2	6.2	6.9	4.5
Other	1.5	1.3	1.8	0.8	1.6	1.3	1.4	1.3	2.0	1.2	2.7	80.0
Motor vehicle accidents	3.5	2.5	2.0	3.4	2.6	2.8	2.5	3.2	2.9	3.2	2.6	-25.7
Drowning	1.6	1.3	1.3	1.6	1.8	1.9	0.7	1.6	2.3	1.8	1.6	0.0
Malignant neoplasms	2.3	2.3	1.1	1.4	2.4	2.4	2.6	2.0	1.8	1.6	2.0	-13.0
Congenital malformations	1.6	1.1	1.5	0.9	1.0	1.3	1.2	1.4	1.4	1.4	1.1	-31.3
Assault (homicide)	1.5	1.1	1.3	1.1	0.8	0.9	1.5	1.5	1.1	1.2	1.0	-33.3
Intentional self-harm (suicide)	0.6	0.9	0.9	0.7	1.3	1.3	1.2	1.3	1.3	0.7	0.9	50.0
ALL CAUSES	19.8	17.9	15.4	18.3	18.2	19.1	17.5	19.1	19.8	17.9	20.4	3.0
(Number of all deaths)	(252)	(227)	(196)	(231)	(231)	(244)	(224)	(240)	(249)	(229)	(265)	5.2

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Accidents (unintentional injuries)	5.5	4.5	4.3	5.0	5.8	5.4	4.1	6.0	6.3	5.9	6.6	20.0
Motor vehicle accidents	2.6	2.0	1.7	2.6	2.1	2.1	2.1	2.7	2.2	2.8	2.4	-7.7
Other	1.1	1.1	1.4	0.6	1.6	1.4	1.3	1.5	1.8	1.1	2.4	118.2
Drowning	1.8	1.4	1.2	1.8	2.1	2.0	0.7	1.8	2.3	2.0	1.8	0.0
Malignant neoplasms	2.4	2.3	1.1	1.4	2.5	2.5	2.5	2.0	1.8	1.4	2.2	-8.3
Congenital malformations	1.8	1.0	1.5	0.9	1.0	1.4	1.3	1.6	1.3	1.4	1.0	-44.4
Diseases of heart	0.3	0.3	0.3	0.5	0.2	0.5	0.3	0.5	0.4	0.5	1.0	233.3
Assault (homicide)	1.5	1.0	1.2	1.1	0.6	0.7	1.6	1.3	1.3	1.1	0.9	-40.0
ALL CAUSES	18.3	16.5	14.5	17.1	17.5	17.6	16.6	18.2	18.7	16.8	20.6	12.6
(Number of all deaths)	(200)	(180)	(158)	(186)	(192)	(194)	(184)	(199)	(204)	(186)	(232)	16.0
RURAL												
Accidents (unintentional injuries)	12.6	8.9	9.5	10.8	6.8	8.5	8.0	6.0	13.3	7.2	9.5	-24.6
Other	3.8	2.2	4.5	2.3	1.7	0.0	2.3	0.0	3.0	1.8	4.7	23.7
Motor vehicle accidents	8.7	5.5	3.3	8.5	5.1	7.4	5.1	6.0	7.9	4.8	4.1	-52.9
Drowning	0.0	1.1	1.7	0.0	0.0	1.1	0.6	0.0	2.4	0.6	0.6	
Assault (homicide)	1.6	1.7	1.7	1.1	1.7	1.7	0.6	3.0	0.0	1.8	1.8	12.5
Congenital malformations	0.5	1.7	1.7	0.6	1.1	0.0	1.1	0.6	1.8	1.2	1.8	260.0
Malignant neoplasms	1.6	2.2	1.1	1.7	1.7	1.7	2.8	1.8	1.8	3.0	0.6	-62.5
Intentional self-harm (suicide)	1.6	2.2	2.8	1.7	4.0	3.4	2.3	3.0	3.0	1.2	0.0	-100.0
ALL CAUSES	27.9	26.0	21.2	24.9	21.6	27.3	22.8	24.5	27.2	24.5	19.5	-30.1
(Number of all deaths)	(51)	(47)	(38)	(44)	(38)	(48)	(40)	(41)	(45)	(41)	(33)	(-35.3)
TOTAL												
Accidents (unintentional injuries)	6.6	5.1	5.0	5.8	6.0	5.9	4.6	6.0	7.2	6.2	6.9	4.5
Other	1.5	1.3	1.8	0.8	1.6	1.3	1.4	1.3	2.0	1.2	2.7	80.0
Motor vehicle accidents	3.5	2.5	2.0	3.4	2.6	2.8	2.5	3.2	2.9	3.2	2.6	-25.7
Drowning	1.6	1.3	1.3	1.6	1.8	1.9	0.7	1.6	2.3	1.8	1.6	0.0
Malignant neoplasms	2.3	2.3	1.1	1.4	2.4	2.4	2.6	2.0	1.8	1.6	2.0	-13.0
Congenital malformations	1.6	1.1	1.5	0.9	1.0	1.3	1.2	1.4	1.4	1.4	1.1	-31.3
Assault (homicide)	1.5	1.1	1.3	1.1	0.8	0.9	1.5	1.5	1.1	1.2	1.0	-33.3
Intentional self-harm (suicide)	0.6	0.9	0.9	0.7	1.3	1.3	1.2	1.3	1.3	0.7	0.9	50.0
ALL CAUSES	19.8	17.9	15.4	18.3	18.2	19.1	17.5	19.1	19.8	17.9	20.4	3.0
(Number of all deaths)	(252)	(227)	(196)	(231)	(231)	(244)	(224)	(240)	(249)	(229)	(265)	5.2

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Gender	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Male	21.3	16.2	16.2	19.9	18.4	22.2	19.6	19.4	19.6	18.2	24.1	13.1
Female	15.2	16.8	12.7	14.3	16.6	12.8	13.5	17.0	17.8	15.3	16.8	10.5
TOTAL	18.3	16.5	14.5	17.1	17.5	17.6	16.6	18.2	18.7	16.8	20.6	12.6
RURAL												
Male	29.0	30.5	23.1	33.5	27.9	32.5	23.5	28.2	33.2	28.1	27.8	-4.1
Female	26.6	21.3	19.3	16.1	15.0	21.9	22.1	20.7	20.9	20.7	10.8	-59.4
TOTAL	27.9	26.0	21.2	24.9	21.6	27.3	22.8	24.5	27.2	24.5	19.5	-30.1
TOTAL												
Male	22.4	18.2	17.2	21.8	19.9	23.6	20.2	20.5	21.4	19.6	24.6	9.8
Female	17.0	17.5	13.7	14.7	16.4	14.4	14.6	17.5	18.2	16.1	16.0	-5.9
TOTAL	19.8	17.9	15.4	18.3	18.2	19.1	17.5	19.1	19.8	17.9	20.4	3.0

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, 2023**

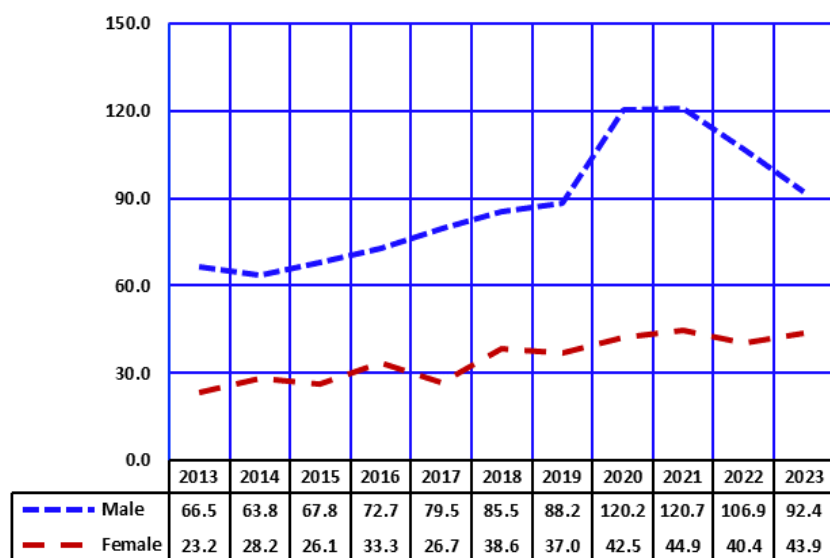
Cause of death	Total	Gender		Area ^a		Race/ethnicity					
		Male	Female	Urban	Rural	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or other Pacific Islander	Unknown
Accidents (unintentional injury)	90†	58	32	74	16	38	31	11	6	*	0
Motor vehicle accidents	30†	20	14	27	7	*	17	6	*	*	0
Accidental drowning and submersion	20†	14	7	20	*	13	*	*	*	0	0
Malignant neoplasms	30†	13	13	25	*	7	14	*	0	0	0
Leukemia	10†	*	*	6	0	*	*	*	0	0	0
Congenital malformations	10†	11	*	11	*	*	6	*	*	0	0
Assault (homicide)	10†	9	*	10	*	*	*	*	*	0	0
By discharge of firearms	10†	6	*	7	*	*	*	*	*	0	0
By other means	0†	*	*	*	*	*	*	*	*	0	0
Intentional self-harm (suicide)	10†	6	6	12	0	6	*	*	0	0	0
Influenza and pneumonia	0†	*	*	*	*	*	*	0	0	0	0
Chronic lower respiratory diseases	0†	*	0	*	0	*	*	*	0	0	0
Asthma	0†	*	0	*	0	*	0	*	0	0	0
COVID-19	0†	*	0	*	*	0	*	0	*	0	0
Total, all causes	265	163	102	232	33	93	103	37	19	10	3

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, 2013-2023

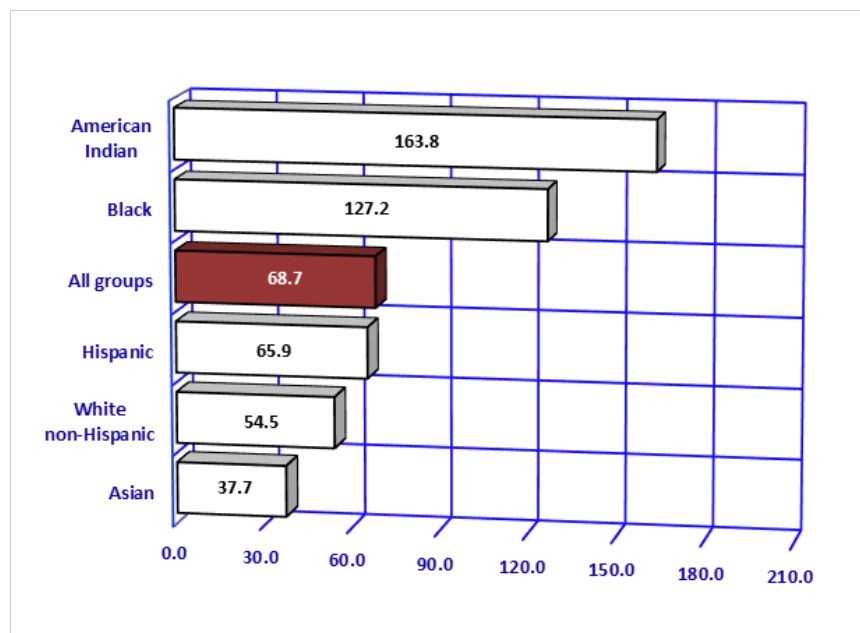


Adolescence refers to individuals between the ages of 15 and 19, an important developmental period marking the transition from childhood to adulthood. In 2023, an estimated 488,877 adolescents resided in Arizona, comprising 6.5 percent of the State's population (**Table 10A-1**). The lives of 336 resident adolescents prematurely ended in 2023, resulting in a total mortality rate of 68.7 deaths per 100,000 adolescents. This mortality rate was 51.0 percent higher than the 2013 rate (**Table 2C-11**).

The likelihood of dying was approximately 2.10 times higher for adolescent boys than for adolescent girls in 2023 (**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, 2023



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

The five causes with the greatest number of deaths over the 2013-2023 period were *accidents (unintentional injuries)*, *assault (homicide)*, *intentional self-harm (suicide)*, *malignant neoplasms*, and *diseases of heart* (**Table 2C-14**).

In 2023, adolescents who were Asian, White non-Hispanic, or Hispanic 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**).

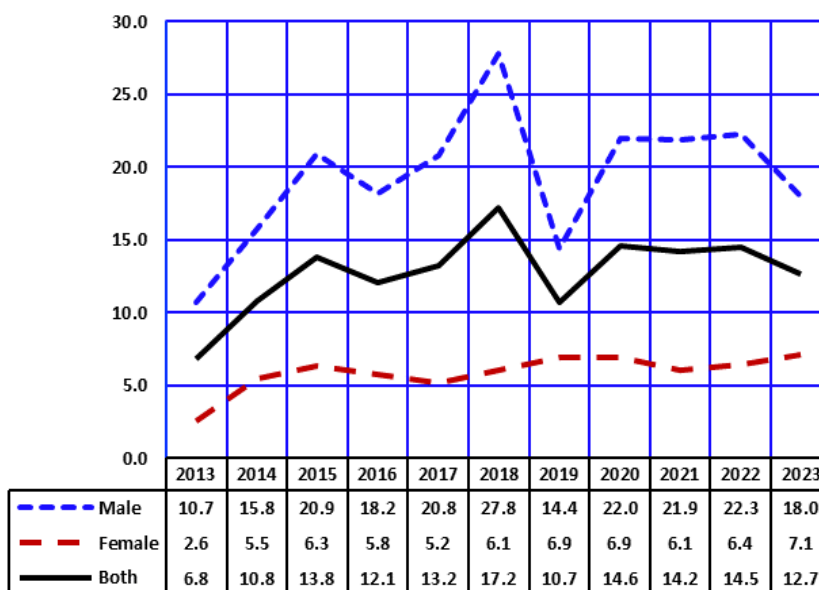
2C.AGE-SPECIFIC MORTALITY

Adolescent mortality (ages 15-19 years)

Figure 2C-11
Suicide Rates^a by Gender and Year among Adolescents 15-19 Years, Arizona, 2013-2023

In 2023, sixty-two suicide deaths were recorded among Arizonans age 15-19 years, a decrease from 70 recorded in 2022 (**Table 2C-14**). In 2023, as in prior years, male adolescents accounted for the absolute majority (72.6 percent) of completed suicides.

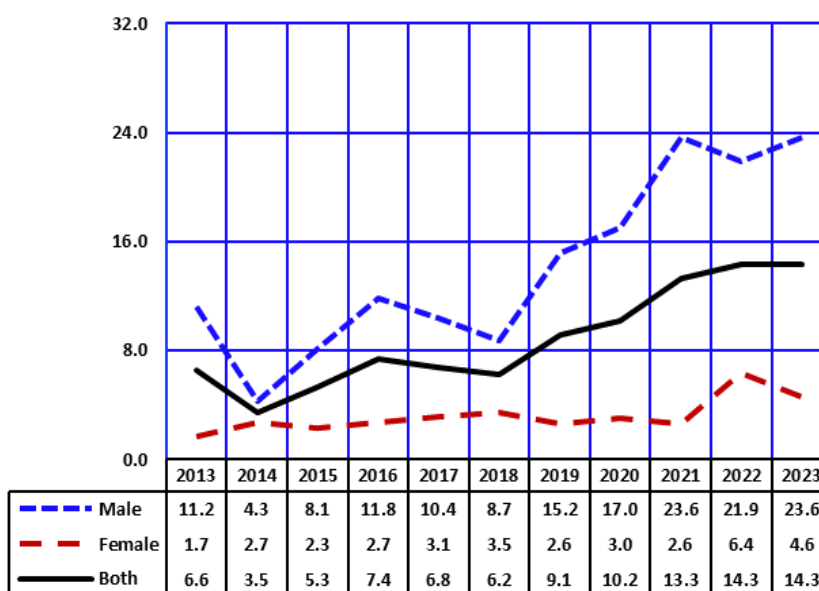
The suicide rate in 2013 was the lowest recorded since at least 1990 (**Figure 2C-11, Table 2C-11**). Between 2013 and 2023, the adolescent male suicide rate (18.0/100,000) increased 68.2 percent, and the adolescent female suicide rate (7.1/100,000) also increased by 173.1 percent. The male to female ratio in suicide mortality rates decreased from 4.1:1 in 2013 to 2.5:1 in 2023. In other words, male adolescents were almost 2.5 times more likely to kill themselves than female adolescents in 2023, compared to 4.1 times in 2013.



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, 2013-2023

During the 11-year period, from 2013 to 2023, the overall adolescent mortality rate due to homicide increased by 116.7 percent. However, there were some gender differences in homicide rates, marked by an increase of 110.7 percent among adolescent males and 170.6 percent among their female counterparts (**Figure 2C-12, Table 2C-11**). From 2022 to 2023, the overall mortality rate of adolescent homicide deaths did not change. Looking at gender specific homicide mortality, there was an increase of 7.8 percent for males and a 28.1 percent decrease for females in the 2023-2022 period.



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, 2013-2023**

Gender/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
MALE												
Accidents (unintentional injuries)	28.1	22.3	20.9	27.9	33.3	32.4	42.0	58.0	55.4	41.9	33.2	18.1
Motor vehicle accidents	15.3	15.0	12.8	13.1	15.4	13.3	16.1	20.3	26.4	24.0	20.0	30.7
Other	12.8	7.3	8.1	14.8	17.9	19.1	26.0	37.7	28.9	17.9	13.2	3.1
Assault (homicide)	11.2	4.3	8.1	11.8	10.4	8.7	15.2	17.0	23.6	21.9	23.6	110.7
Intentional self-harm (suicide)	10.7	15.8	20.9	18.2	20.8	27.8	14.4	22.0	21.9	22.3	18.0	68.2
Malignant neoplasms	2.5	2.6	3.8	2.5	2.1	2.5	4.1	3.7	3.7	5.3	2.4	-4.0
Diseases of heart	0.4	1.3	0.4	0.0	0.8	1.7	0.4	2.1	0.8	1.6	1.2	200.0
ALL CAUSES	66.5	63.8	67.8	72.7	79.5	85.5	88.2	120.2	120.7	106.9	92.4	38.9
(Number of all deaths)	(161)	(149)	(159)	(172)	(191)	(206)	(214)	(290)	(292)	(263)	(231)	43.5
FEMALE												
Accidents (unintentional injuries)	7.9	7.7	9.0	15.5	11.8	20.8	18.1	19.1	19.9	16.6	20.5	159.5
Motor vehicle accidents	6.1	5.0	6.3	11.5	8.3	13.0	10.8	9.1	9.9	8.1	12.6	106.6
Other	1.7	2.7	2.7	4.0	3.5	7.8	7.3	10.0	9.9	8.5	8.0	370.6
Intentional self-harm (suicide)	2.6	5.5	6.3	5.8	5.2	6.1	6.9	6.9	6.1	6.4	7.1	173.1
Assault (homicide)	1.7	2.7	2.3	2.7	3.1	3.5	2.6	3.0	2.6	6.4	4.6	170.6
Malignant neoplasms	3.5	4.1	2.7	2.2	1.3	0.9	3.9	0.9	2.2	3.4	3.3	-5.7
Diseases of heart	0.9	0.9	0.9	1.8	0.9	0.9	0.4	1.7	0.9	0.9	0.0	-100.0
ALL CAUSES	23.2	28.2	26.1	33.3	26.7	38.6	37.0	42.5	44.9	40.4	43.9	89.2
(Number of all deaths)	(53)	(62)	(58)	(75)	(61)	(89)	(86)	(98)	(104)	(95)	(105)	98.1
TOTAL												
Accidents (unintentional injuries)	18.3	15.2	15.1	21.9	22.8	26.7	30.3	39.0	38.0	29.5	27.0	47.5
Motor vehicle accidents	10.8	10.1	9.6	12.3	11.9	13.2	13.5	14.8	18.4	16.2	16.4	51.9
Other	7.4	5.1	5.5	9.5	10.9	13.6	16.8	24.2	19.6	13.3	10.6	43.2
Assault (homicide)	6.6	3.5	5.3	7.4	6.8	6.2	9.1	10.2	13.3	14.3	14.3	116.7
Intentional self-harm (suicide)	6.8	10.8	13.8	12.1	13.2	17.2	10.7	14.6	14.2	14.5	12.7	86.8
Malignant neoplasms	3.0	3.3	3.3	2.4	1.7	1.7	4.0	2.3	3.0	4.4	2.9	-3.3
Diseases of heart	0.6	1.1	0.7	0.9	0.9	1.3	0.4	1.9	0.8	1.2	0.6	0.0
ALL CAUSES	45.5	46.5	47.5	53.5	53.7	62.6	63.2	82.3	83.7	74.4	68.7	51.0
(Number of all deaths)	(214)	(211)	(217)	(247)	(252)	(295)	(300)	(388)	(396)	(358)	(336)	57.0

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Accidents (unintentional injuries)	15.8	12.5	13.4	20.4	19.6	25.9	31.1	39.0	37.8	29.7	25.4	60.8
Motor vehicle accidents	9.3	8.9	8.5	12.2	9.3	12.2	12.8	13.6	17.4	16.4	14.7	58.1
Other	6.5	3.7	4.9	8.2	10.3	13.7	18.2	25.4	20.4	13.3	10.7	64.6
Assault (homicide)	6.8	3.7	5.9	7.9	7.8	6.5	10.1	10.9	14.7	16.4	15.2	123.5
Intentional self-harm (suicide)	5.0	9.6	12.7	11.2	11.5	12.4	9.9	12.3	12.3	13.7	10.7	114.0
Malignant neoplasms	3.5	3.7	2.8	2.8	1.8	1.7	4.4	2.7	2.7	4.8	2.6	-25.7
Diseases of heart	0.5	1.3	0.5	0.8	1.0	1.0	0.5	2.2	0.7	1.2	0.7	40.0
ALL CAUSES	42.4	42.5	44.2	50.7	49.9	57.2	65.6	80.0	82.7	75.7	65.9	55.4
(Number of all deaths)	(169)	(163)	(171)	(199)	(199)	(230)	(266)	(324)	(337)	(314)	(278)	64.5
RURAL												
Accidents (unintentional injuries)	31.8	29.9	24.5	30.3	39.9	30.2	24.5	37.7	34.9	28.5	37.1	16.7
Motor vehicle accidents	19.3	17.1	15.8	13.0	25.6	18.7	17.3	22.6	21.3	15.0	26.7	38.3
Other	12.4	12.8	8.6	17.3	14.2	11.5	7.2	15.1	13.7	13.5	10.4	-16.1
Intentional self-harm (suicide)	16.6	17.1	20.2	17.3	22.8	44.5	15.9	28.6	25.8	19.5	25.3	52.4
Assault (homicide)	5.5	2.9	1.4	2.9	1.4	4.3	2.9	6.0	4.6	1.5	8.9	61.8
Malignant neoplasms	0.0	1.4	5.8	0.0	1.4	1.4	1.4	0.0	4.6	1.5	4.5	
Diseases of heart	0.0	0.0	1.4	1.4	0.0	2.9	0.0	0.0	0.0	1.5	0.0	
ALL CAUSES	62.1	68.4	66.2	66.4	74.1	91.9	47.6	93.5	82.0	66.0	84.7	36.4
(Number of all deaths)	(45)	(48)	(46)	(46)	(52)	(64)	(33)	(62)	(54)	(44)	(57)	26.7
TOTAL												
Accidents (unintentional injuries)	18.3	15.2	15.1	21.9	22.8	26.7	30.3	39.0	38.0	29.5	27.0	47.5
Motor vehicle accidents	10.8	10.1	9.6	12.3	11.9	13.2	13.5	14.8	18.4	16.2	16.4	51.9
Other	7.4	5.1	5.5	9.5	10.9	13.6	16.8	24.2	19.6	13.3	10.6	43.2
Assault (homicide)	6.6	3.5	5.3	7.4	6.8	6.2	9.1	10.2	13.3	14.3	14.3	116.7
Intentional self-harm (suicide)	6.8	10.8	13.8	12.1	13.2	17.2	10.7	14.6	14.2	14.5	12.7	86.8
Malignant neoplasms	3.0	3.3	3.3	2.4	1.7	1.7	4.0	2.3	3.0	4.4	2.9	-3.3
Diseases of heart	0.6	1.1	0.7	0.9	0.9	1.3	0.4	1.9	0.8	1.2	0.6	0.0
ALL CAUSES	45.5	46.5	47.5	53.5	53.7	62.6	63.2	82.3	83.7	74.4	68.7	51.0
(Number of all deaths)	(214)	(211)	(217)	(247)	(252)	(295)	(300)	(388)	(396)	(358)	(336)	57.0

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Gender	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Male	62.0	59.8	60.8	69.6	73.9	78.3	93.0	118.1	120.9	109.4	90.9	46.6
Female	21.7	24.2	26.6	30.9	24.7	35.2	36.9	40.0	42.7	40.5	39.8	83.4
TOTAL	42.4	42.5	44.2	50.7	49.9	57.2	65.6	80.0	82.7	75.7	65.9	55.4
RURAL												
Male	91.4	85.8	106.8	84.9	111.6	124.4	56.9	130.8	110.2	91.3	99.1	8.4
Female	31.2	50.0	23.6	47.1	34.9	58.4	38.0	55.0	52.7	39.8	69.7	123.4
TOTAL	62.1	68.4	66.2	66.4	74.1	91.9	47.6	93.5	82.0	66.0	84.7	36.4
TOTAL												
Male	66.5	63.8	67.8	72.7	79.5	85.5	88.2	120.2	120.7	106.9	92.4	38.9
Female	23.2	28.2	26.1	33.3	26.7	38.6	37.0	42.5	44.9	40.4	43.9	89.2
TOTAL	45.5	46.5	47.5	53.5	53.7	62.6	63.2	82.3	83.7	74.4	68.7	51.0

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, 2023**

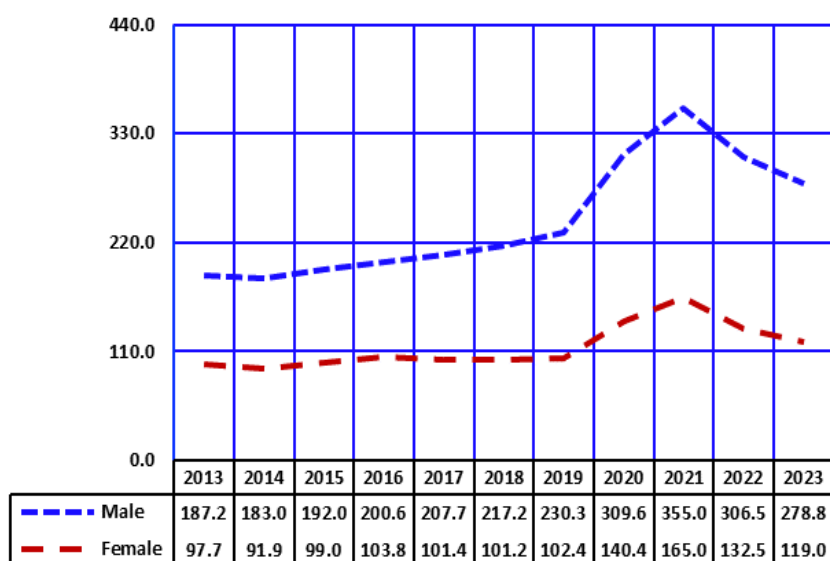
Cause of death	Total	Gender		Area ^a			Race/ethnicity					
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Unknown
Accidents (unintentional injury)	130 [†]	83	49	107	25	0	54	46	11	16	*	*
Motor vehicle accidents	80 [†]	50	30	62	18	0	37	27	*	7	*	*
Accidental poisoning	40 [†]	27	12	33	6	0	14	14	*	8	*	0
Accidental drowning and submersion	10 [†]	*	*	6	0	0	*	*	*	0	0	0
Assault (homicide)	70 [†]	59	11	64	6	0	8	42	14	*	*	0
By discharge of firearms	70 [†]	56	11	62	*	0	6	42	14	*	*	0
By other means	0 [†]	*	0	*	*	0	*	0	0	*	0	0
Intentional self-harm (suicide)	62	45	17	45	17	0	23	20	6	13	0	0
By other means	30 [†]	15	16	18	13	0	9	11	*	10	0	0
By discharge of firearms	30 [†]	30	*	27	*	0	14	9	*	*	0	0
Malignant neoplasms	10 [†]	6	8	11	*	0	6	7	0	*	0	0
Events of undetermined intent	10 [†]	7	*	7	*	0	*	*	*	0	0	0
Diseases of the heart	0 [†]	*	0	*	0	0	*	*	0	0	0	0
Total, all causes^b	336	231	105	278	57	1	112	140	37	38	7	2

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, 2013-2023

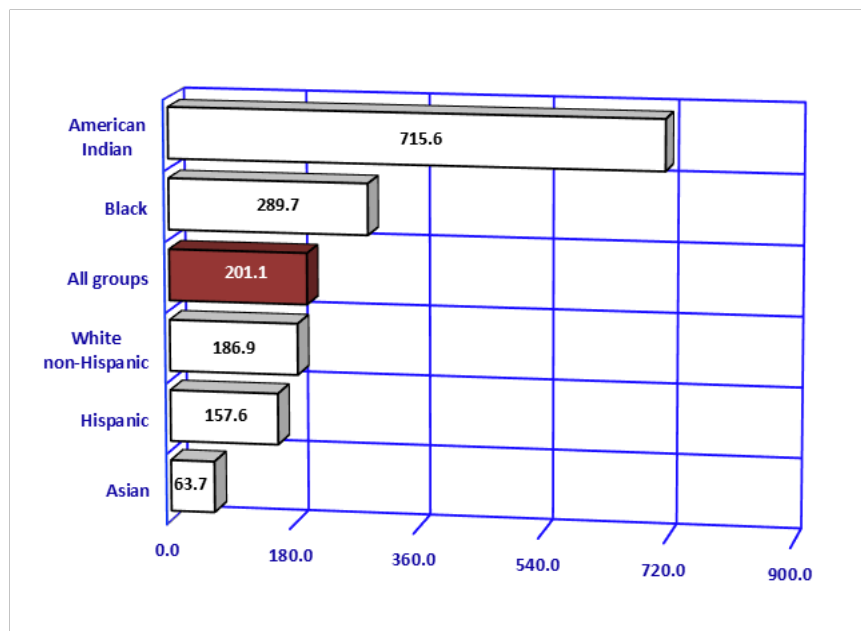


In 2023, 33.0 percent of Arizona residents were between 20 and 44 years of age. Among the six developmental periods examined in the life span, young adulthood, with an estimated 2.5 million individuals, easily represented the largest segment of the population. However, only 7.2 percent of all deaths occurred during young adulthood.

In each year from 2013 to 2023 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 48.9 percent for males and 21.8 percent for females. Compared to 2022, the young adult mortality rate decreased both for males (9.0 percent) and females (10.2 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, 2023



The 2023 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 2.5 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 3.6 times higher than the state average for young adults and 11.2 times greater than Asian young adults.

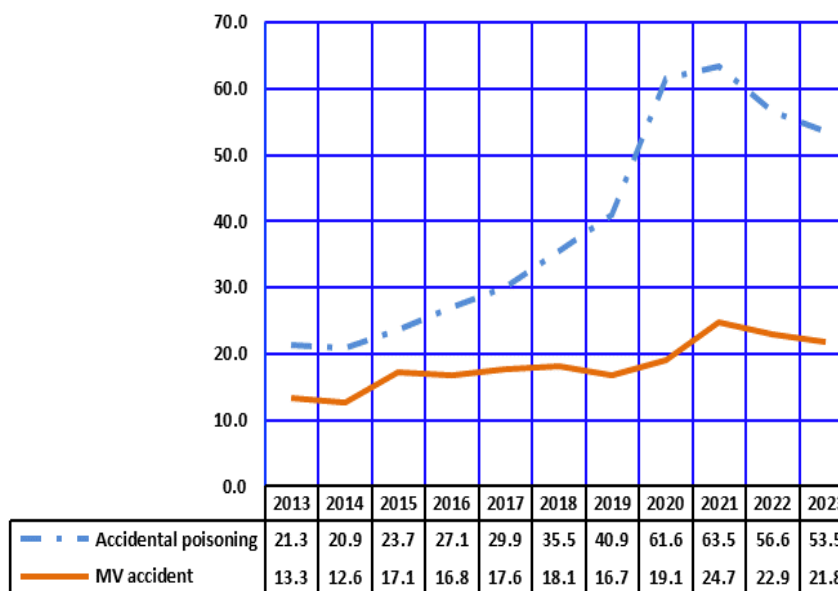
Note: ^a Number of deaths per 100,000 persons, 20-44 years old in specified group.

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, 2013-2023

In 2023, 1,328 deaths of young adults were attributed to accidental poisoning (**Table 2C-18**), a decrease of 4.0 percent from 2022. The mortality rate for accidental poisoning among young adults (53.5/100,000) 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 2013 (**Figure 2C-15**).

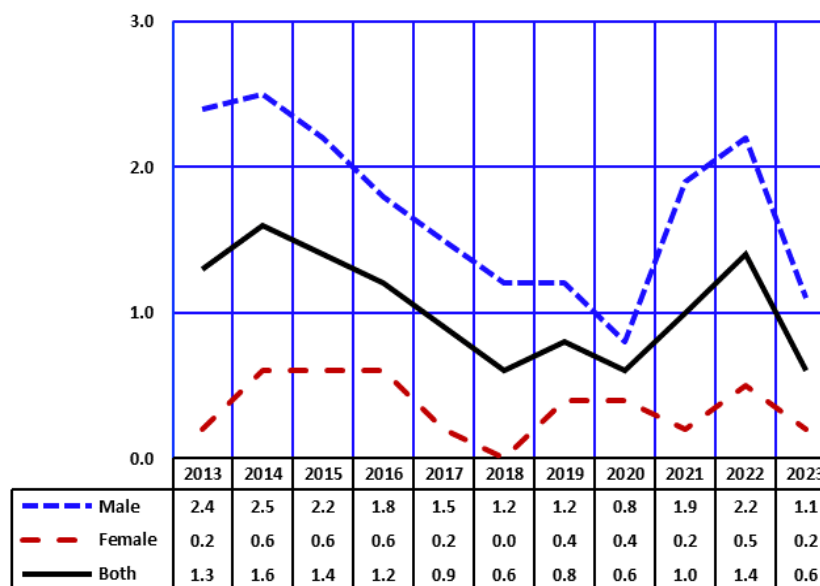


Note: ^a Number of motor vehicle and accidental poisoning deaths per 100,000 persons, 20-44 years old in specified group.

Figure 2C-16
Mortality Rates^a for HIV Disease by Gender and Year among
Young Adults 20-44 Years, Arizona, 2013-2023

In 2023, of the 77 deaths from *HIV disease* about 20.8 percent occurred among Arizonans 20-44 years old (**Table 2C-27**), a decrease from 33.0 percent of 103 deaths in 2022. Males accounted for the majority of the young adult deaths from *HIV disease* in 2023 (**Table 2C-18**).

An analysis of HIV mortality rates by gender for the 2013-2023 period revealed a decrease of 54.2 percent in mortality among young males and there was no change for their female counterparts.

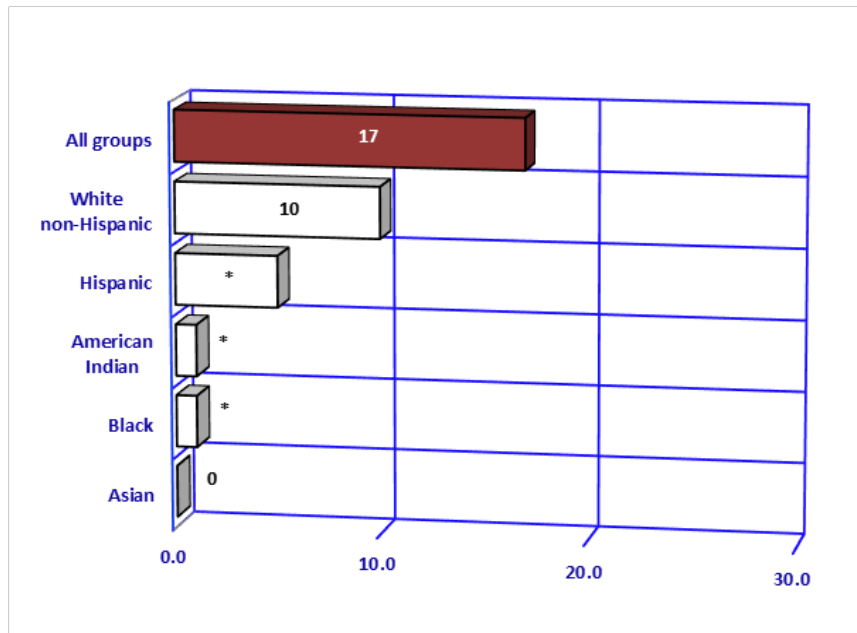


Note: ^a Number of HIV deaths per 100,000 persons, 20-44 years old in specified group.

2C.AGE-SPECIFIC MORTALITY

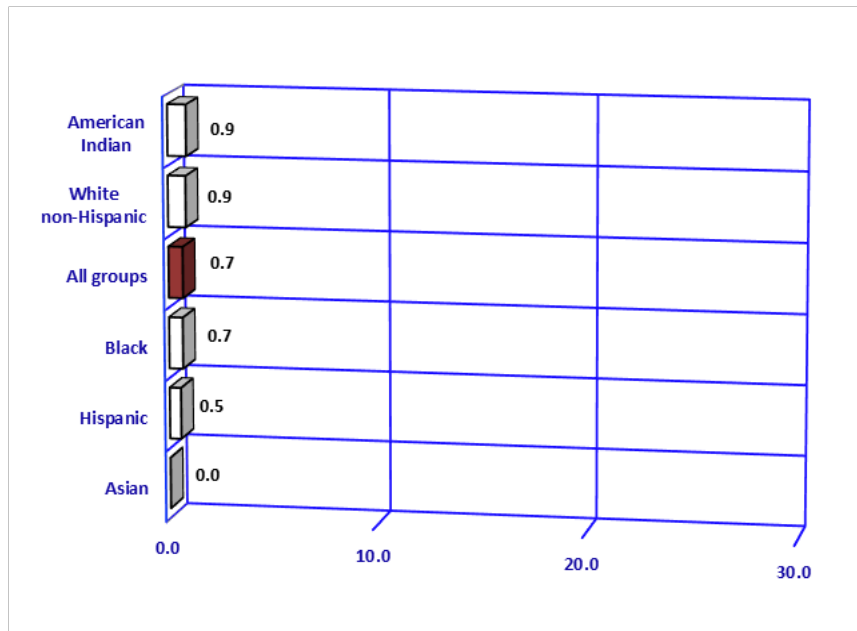
Young adult mortality (ages 20-44 years)

Figure 2C-17
Mortality for COVID-19 by Race/Ethnicity among Young Adults 20-44 Years, Arizona, 2023



In 2023, 17 Arizona resident young adults age 20-44 died from COVID-19. Young adult White non-Hispanics represented the largest amount of deaths compared to other race and ethnicities with 58.8% (n=10) of deaths in this age group. Since 2021, we have seen a decrease in deaths for COVID-19 within this age group with rates in 2021 (32.9), 2022 (7.7) and dropping to (0.7) in 2023 (**Figure 2C-17, Table 2C-18, Table 2c-28**).

Figure 2C-18
Mortality Rates^a for COVID-19 by Race/Ethnicity among Young Adults 20-44 Years, Arizona, 2023



The age-specific mortality rate of Arizona resident young adults aged 20-44 years found the highest risk among American Indians and White non-Hispanics with a rate of 0.9 deaths per 100,000 people aged 20-44. People who identified as Asian, Black or African American and Hispanic or Latino fell below 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, 2013-2023

Gender/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
MALE												
Accidents (unintentional injuries)	56.7	54.3	63.3	71.2	76.7	86.0	94.3	128.5	138.4	128.9	126.5	123.1
Other	38.0	35.9	38.6	46.9	52.6	59.9	70.2	100.9	105.0	96.5	94.1	147.6
Motor vehicle accidents	18.7	18.4	24.7	24.3	24.1	26.1	24.1	27.6	33.4	32.5	32.4	73.3
Intentional self-harm (suicide)	30.8	28.7	30.8	30.9	33.5	36.9	37.2	35.1	41.5	41.1	38.9	26.3
Assault (homicide)	16.1	13.3	16.6	17.8	19.4	17.9	15.0	20.3	23.2	24.0	19.2	19.3
Diseases of heart	14.2	14.0	13.6	12.0	14.7	13.3	14.8	18.9	17.4	15.6	13.0	-8.5
Malignant neoplasms	13.4	11.2	13.0	11.3	12.0	10.9	12.0	12.6	14.1	14.6	11.4	-14.9
ALL CAUSES	187.2	183.0	192.0	200.6	207.7	217.2	230.3	309.6	355.0	306.5	278.8	48.9
(Number of all deaths)	(2,082)	(2,071)	(2,191)	(2,304)	(2,421)	(2,588)	(2,799)	(3,763)	(4,386)	(3,851)	(3,558)	70.9
FEMALE												
Accidents (unintentional injuries)	24.5	21.3	28.2	26.6	29.3	30.5	32.0	44.6	49.4	41.9	38.0	55.1
Other	16.9	14.7	19.1	17.5	18.6	20.8	23.1	34.5	33.9	29.1	27.4	62.1
Motor vehicle accidents	7.6	6.6	9.1	9.0	10.7	9.7	8.9	10.1	15.6	12.8	10.6	39.5
Malignant neoplasms	17.4	14.0	13.5	16.7	14.5	16.2	14.1	14.5	16.2	14.9	14.1	-19.0
Intentional self-harm (suicide)	9.6	9.0	10.5	9.9	11.2	9.6	8.1	10.9	10.3	10.0	10.3	7.3
Diseases of heart	5.6	6.6	7.2	5.1	7.0	6.3	6.1	7.6	7.4	6.1	7.0	25.0
Assault (homicide)	3.4	2.9	3.2	3.7	3.8	3.7	4.0	4.7	5.1	5.5	4.5	32.4
ALL CAUSES	97.7	91.9	99.0	103.8	101.4	101.2	102.4	140.4	165.0	132.5	119.0	21.8
(Number of all deaths)	(1,033)	(991)	(1,080)	(1,137)	(1,123)	(1,139)	(1,174)	(1,614)	(1,930)	(1,576)	(1,437)	39.1
TOTAL												
Accidents (unintentional injuries)	41.0	38.2	46.1	49.4	53.6	59.0	64.0	87.7	95.1	86.6	83.5	103.7
Other	27.7	25.6	29.0	32.6	36.0	40.9	47.3	68.7	70.4	63.7	61.7	122.7
Motor vehicle accidents	13.3	12.6	17.1	16.8	17.6	18.1	16.7	19.1	24.7	22.9	21.8	63.9
Intentional self-harm (suicide)	20.5	19.1	20.9	20.6	22.6	23.6	23.1	23.3	26.4	26.0	25.0	22.0
Malignant neoplasms	15.3	12.6	13.2	13.9	13.2	13.5	13.0	13.5	15.1	14.7	12.7	-17.0
Assault (homicide)	9.9	8.2	10.0	11.0	11.8	11.0	9.7	12.7	14.4	15.0	12.0	21.2
Diseases of heart	10.0	10.4	10.5	8.6	10.9	9.9	10.6	13.4	12.6	11.0	10.1	1.0
ALL CAUSES	143.5	138.6	146.6	153.3	155.9	160.9	168.2	227.3	262.6	221.9	201.1	40.1
(Number of all deaths)	(3,115)	(3,062)	(3,271)	(3,441)	(3,544)	(3,727)	(3,973)	(5,377)	(6,316)	(5,427)	(4,995)	60.4

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Accidents (unintentional injuries)	35.4	33.8	40.1	43.9	49.0	55.2	60.6	82.6	89.0	78.8	77.3	118.4
Other	23.9	22.7	25.4	28.9	34.3	39.5	46.1	65.9	67.7	59.0	58.2	143.5
Motor vehicle accidents	11.5	11.1	14.7	15.1	14.8	15.7	14.5	16.7	21.3	19.8	19.1	66.1
Intentional self-harm (suicide)	18.3	16.8	19.0	18.4	19.7	20.6	21.3	20.5	22.2	21.4	21.5	17.5
Malignant neoplasms	15.3	12.7	13.1	13.5	13.0	13.5	12.6	13.7	14.6	14.2	12.4	-19.0
Assault (homicide)	9.4	8.1	9.6	10.7	11.3	11.1	9.8	12.1	14.3	14.4	11.7	24.5
Diseases of heart	9.3	9.7	10.1	8.3	10.3	9.2	10.1	13.3	12.1	10.5	9.1	-2.2
ALL CAUSES	130.1	126.2	131.9	137.1	140.7	148.0	156.5	206.2	237.6	195.7	181.6	39.6
(Number of all deaths)	(2,451)	(2,422)	(2,557)	(2,676)	(2,783)	(2,986)	(3,224)	(4,270)	(5,007)	(4,198)	(3,959)	61.5
RURAL												
Accidents (unintentional injuries)	74.9	61.2	78.6	77.9	75.3	81.3	80.9	116.3	129.0	128.5	118.7	58.5
Other	50.8	39.6	47.9	51.3	39.4	48.5	52.8	81.6	83.0	85.0	79.2	55.9
Motor vehicle accidents	24.2	21.7	30.8	26.7	36.0	32.8	28.1	34.7	46.0	43.5	39.4	62.8
Intentional self-harm (suicide)	33.6	32.3	32.1	33.5	40.1	43.5	35.0	42.5	54.1	56.8	49.6	47.6
Diseases of heart	14.0	14.4	13.0	10.3	14.3	14.0	12.5	13.6	15.5	13.0	17.1	22.1
Malignant neoplasms	15.4	11.4	13.3	16.7	13.6	12.4	16.2	12.6	18.1	17.9	14.8	-3.9
Assault (homicide)	13.0	7.2	10.6	10.6	10.9	10.4	7.9	16.7	14.4	17.9	13.8	6.2
ALL CAUSES	226.5	207.1	224.7	240.9	236.6	238.1	237.7	361.3	422.1	378.9	326.1	44.0
(Number of all deaths)	(647)	(602)	(657)	(705)	(697)	(712)	(720)	(1,063)	(1,256)	(1,141)	(992)	53.3
TOTAL												
Accidents (unintentional injuries)	41.0	38.2	46.1	49.4	53.6	59.0	64.0	87.7	95.1	86.6	83.5	103.7
Other	27.7	25.6	29.0	32.6	36.0	40.9	47.3	68.7	70.4	63.7	61.7	122.7
Motor vehicle accidents	13.3	12.6	17.1	16.8	17.6	18.1	16.7	19.1	24.7	22.9	21.8	63.9
Intentional self-harm (suicide)	20.5	19.1	20.9	20.6	22.6	23.6	23.1	23.3	26.4	26.0	25.0	22.0
Malignant neoplasms	15.3	12.6	13.2	13.9	13.2	13.5	13.0	13.5	15.1	14.7	12.7	-17.0
Assault (homicide)	9.9	8.2	10.0	11.0	11.8	11.0	9.7	12.7	14.4	15.0	12.0	21.2
Diseases of heart	10.0	10.4	10.5	8.6	10.9	9.9	10.6	13.4	12.6	11.0	10.1	1.0
ALL CAUSES	143.5	138.6	146.6	153.3	155.9	160.9	168.2	227.3	262.6	221.9	201.1	40.1
(Number of all deaths)	(3,115)	(3,062)	(3,271)	(3,441)	(3,544)	(3,727)	(3,973)	(5,377)	(6,316)	(5,427)	(4,995)	60.4

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Gender	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Male	169.0	165.6	171.9	178.4	187.7	198.0	216.0	282.9	322.9	272.2	251.7	48.9
Female	89.2	85.1	90.1	94.0	91.4	95.2	93.8	125.4	147.9	115.4	107.9	21.0
TOTAL	130.1	126.2	131.9	137.1	140.7	148.0	156.5	206.2	237.6	195.7	181.6	39.6
RURAL												
Male	296.4	278.8	294.2	315.6	307.7	332.7	309.8	475.6	553.3	506.7	446.8	50.7
Female	151.6	130.0	149.8	160.1	159.3	135.0	158.9	236.7	278.9	239.5	194.5	28.3
TOTAL	226.5	207.1	224.7	240.9	236.6	238.1	237.7	361.3	422.1	378.9	326.1	44.0
TOTAL												
Male	187.2	183.0	192.0	200.6	207.7	217.2	230.3	309.6	355.0	306.5	278.8	48.9
Female	97.7	91.9	99.0	103.8	101.4	101.2	102.4	140.4	165.0	132.5	119.0	21.8
TOTAL	143.5	138.6	146.6	153.3	155.9	160.9	168.2	227.3	262.6	221.9	201.1	40.1

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, 2023**

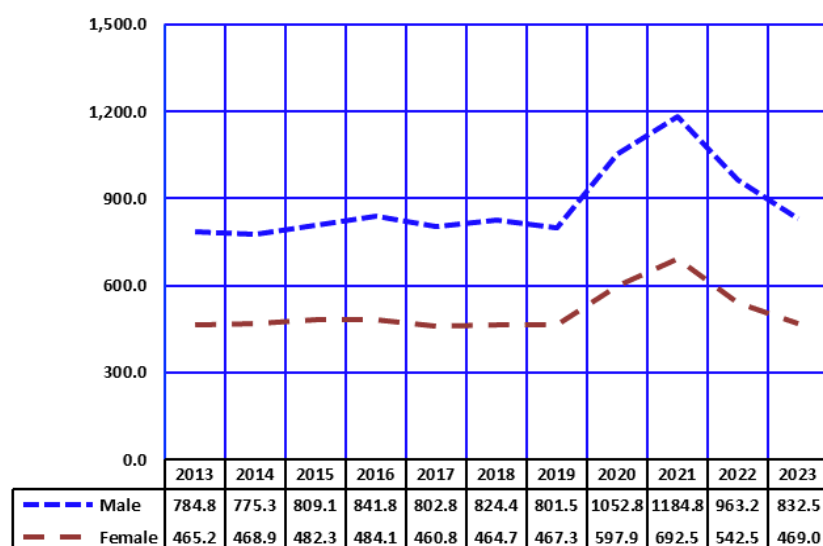
Cause of death	Total	Gender		Area ^a			Race/ethnicity					
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Refused/Unknown
Accidents (unintentional injury)	2,074	1,615	459	1,685	361	28	912	655	180	299	21	7
Accidental poisoning	1,328	1,033	295	1,105	202	21	591	428	132	162	10	*
Motor vehicle accidents	542	414	128	417	120	*	220	175	32	106	8	*
Intentional self-harm (suicide)	621	496	125	468	151	*	327	159	45	75	11	*
By discharge of firearms	345	307	38	276	68	*	197	95	27	19	6	*
By other means	280†	189	87	192	83	*	130	64	18	56	*	*
Malignant neoplasms	315	145	170	270	45	0	157	96	19	26	15	*
Malignant neoplasm of breast	40†	0	40	34	6	0	17	10	9	*	*	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	30†	25	6	29	*	0	12	14	0	*	*	*
Malignant neoplasm of meninges, brain and other parts of central nervous system	30†	14	12	24	*	0	17	8	*	0	0	0
Assault (homicide)	300†	245	54	256	42	*	71	110	54	60	*	*
By discharge of firearms	240†	196	45	211	29	*	63	86	45	43	*	*
By other means	58	49	9	45	13	0	8	24	9	17	0	0
Diseases of heart	250†	166	85	199	52	0	129	62	23	34	*	*
Chronic liver disease and cirrhosis	250†	145	104	164	83	*	97	50	6	95	*	0
Diabetes	100†	76	26	82	19	*	39	26	14	21	*	0
Influenza and pneumonia	59	30	29	44	14	*	25	17	6	10	0	*
Cerebrovascular diseases	50†	26	22	39	9	0	17	22	*	*	*	0
Obesity	50†	31	15	38	7	*	25	12	*	7	*	0
COVID-19	20†	12	*	15	*	*	10	*	*	*	0	0
Human immunodeficiency virus (HIV) disease	20†	14	*	13	*	*	*	7	0	*	*	*
Total, all causes	4,995	3,558	1,437	3,959	992	44	2,195	1,454	440	801	79	26

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, 2013-2023



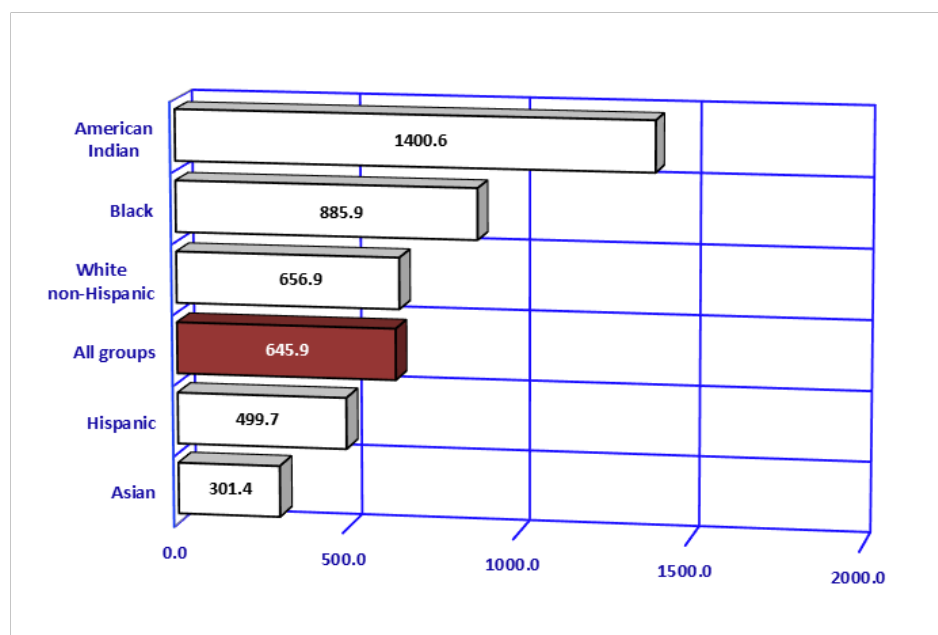
Note: ^a Number of deaths per 100,000 persons, 45-64 years old in specified group.

In 2023, the 1,779,815 middle-aged adult residents aged 45 to 64 experienced 11,496 deaths, or an average of 31 deaths per day. The total number of deaths among 45-64 years old Arizona residents in 2023 (11,496) was lower than both the 2022 count (13,095), and 2021 count (16,060). 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 2013-2023 (**Table 2C-19**).

The 2023 total mortality rate among middle-age females was 0.8 percent higher, and among middle-aged males, 6.1 percent higher than their respective rates in 2013 (**Figure 2C-19, Table 2C-19**). In 2023, the mortality rate for males age 45 - 64 was 77.5 percent higher than the female mortality of the same age group.

The five causes with the greatest number of deaths in 2013-2023 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, 2023



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 (1400.6/100,000 and 885.9/100,000, respectively) among the racial/ethnic groups.

Asians had the lowest mortality rate among racial/ethnic groups 45-64 years old with a mortality rate of 301.4 deaths per 100,000 people.

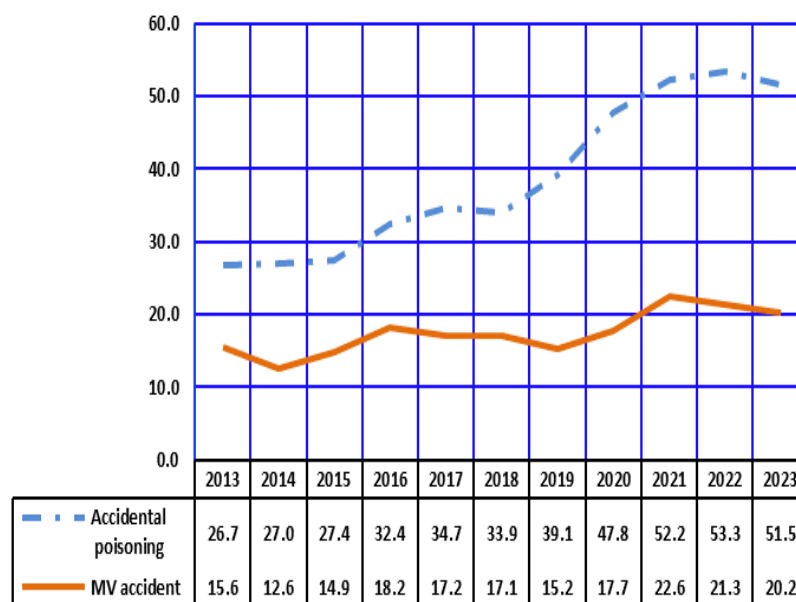
2C.AGE-SPECIFIC MORTALITY

Middle-aged adult mortality (ages 45-64 years)

The 2023 mortality rate due to accidental poisoning was 51.5 per 100,000 adults aged 45-64 years, a decrease of 3.4 percent from 2022. In 2023, about 916 deaths were attributed to accidental poisoning (**Table 2C-22**). Of the accidental poisoning deaths in this age group, 868 were drug overdoses (ICD-10 X40-X44) and 41 were alcohol poisoning (ICD-10 X45).

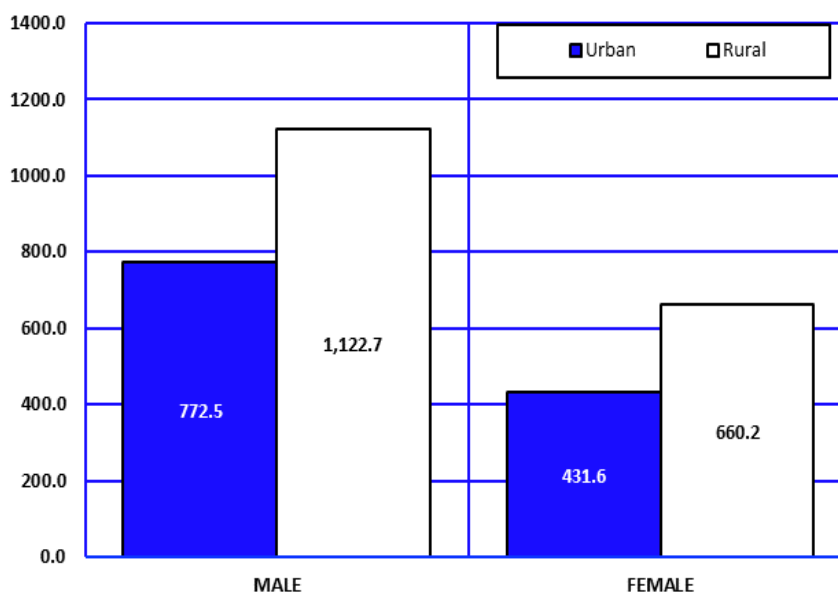
Since 2013, the mortality rate for accidental poisoning exceeded the mortality rate for motor vehicle-related injuries among the middle-aged (**Figure 2C-21**). In 2023, accidental poisoning mortality rate of 51.5 per 100,000 middle-aged adults was 2.5 times higher than the mortality rate of 20.2 per 100,000 for motor vehicle accidents. White non-Hispanics accounted for about 59.0 percent of all accidental poisoning deaths (**Table 2C-22**).

Figure 2C-21
Mortality Rates^a for Accidental Poisoning and Motor Vehicle-related Injuries by Year among Middle-Aged Adults 45-64 Years, Arizona, 2013-2023



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, 2023



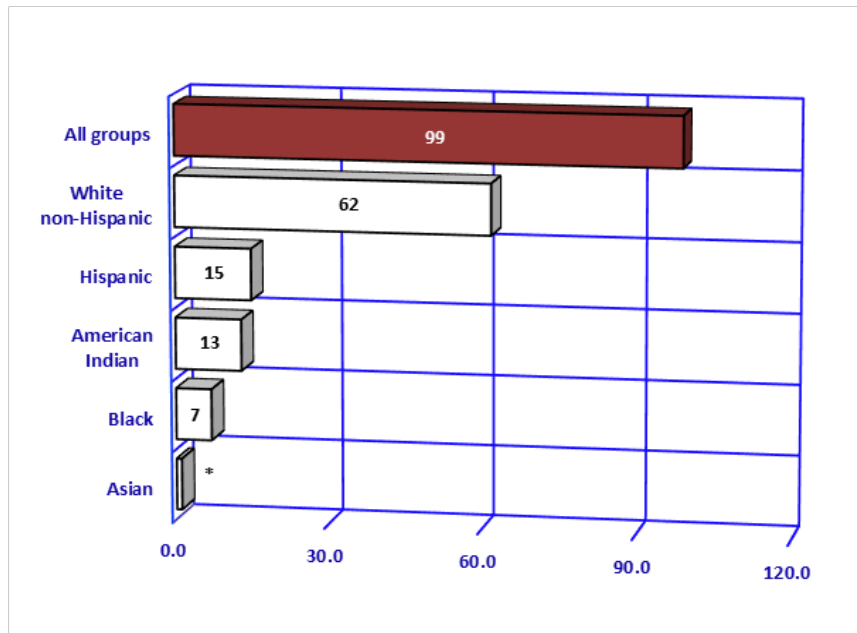
Note: ^a Urban counties include Maricopa, Pima, Pinal, and Yuma counties.

In 2023, 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 2023 was 1.5 times greater than for urban males, 1.7-fold greater than rural females, and 2.6-fold greater than urban females.

2C.AGE-SPECIFIC MORTALITY

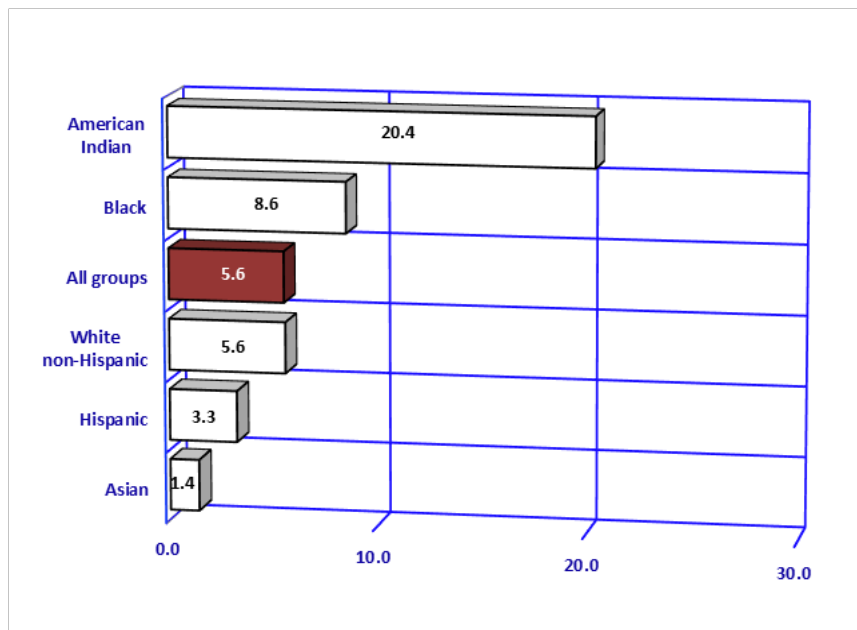
Middle-aged adult mortality (ages 45-64 years)

Figure 2C-23
Mortality for COVID-19 by Race/Ethnicity among Middle-Aged Adults 45-64 Years, Arizona, 2023



In 2023, 99 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 62.6% (n=62) of deaths in this age group. In 2020, COVID-19 caused 1,778 deaths among middle-aged adult Arizona residents. Since a peak of COVID-19 deaths in 2021, there has been a significant decline in the number of COVID-19 deaths among Arizonans 45-64 years of age, with a high of 3,456 deaths in 2021, lowering to 871 in 2022, and most recently 99 in 2023 (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, 2023



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

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 20.4 deaths per 100,000 people aged 45-64. This was almost four times the rate among all race/ethnicity groups (5.6 deaths per 100,000 people aged 45-64). Since 2021, there has been a significant decline in the rate of COVID-19 deaths among Arizonans 45-64 years of age, with a high of 200.6 deaths per 100,000 people in 2021, lowering to 49.7/100,000 in 2022, and most recently 5.6/100,000 in 2023.

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, 2013-2023

Gender/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
MALE												
Diseases of heart	159.3	143.2	166.6	170.1	164.7	162.5	160.8	186.3	182.9	182.4	161.5	1.4
Malignant neoplasms	191.4	171.5	186.4	184.1	180.7	177.8	175.1	164.9	158.7	156.3	143.8	-24.9
Accidents (unintentional injuries)	77.9	73.5	76.8	100.4	98.8	95.5	105.7	128.1	137.6	148.0	141.5	81.6
Other	54.5	54.0	54.5	71.5	72.1	70.5	82.6	101.0	103.6	116.1	109.7	101.3
Motor vehicle accidents	23.3	19.4	22.3	28.9	26.8	25.0	23.1	27.1	34.0	31.9	31.9	36.9
Chronic liver disease and cirrhosis	46.7	43.1	48.1	47.8	45.5	45.7	43.8	49.7	61.8	46.5	42.0	-10.1
Intentional self-harm (suicide)	38.3	37.7	40.3	41.2	37.4	43.3	39.7	38.7	38.0	44.1	36.2	-5.5
ALL CAUSES	784.8	775.3	809.1	841.8	802.8	824.4	801.5	1052.8	1184.8	963.2	832.5	6.1
(Number of all deaths)	(6,088)	(6,111)	(6,444)	(6,781)	(6,570)	(6,839)	(6,702)	(8,755)	(9,935)	(8,215)	(7,211)	18.4
FEMALE												
Malignant neoplasms	160.7	145.0	155.6	150.9	143.9	146.3	147.5	147.9	153.3	149.1	133.7	-16.8
Diseases of heart	54.6	54.0	60.8	66.7	58.2	62.7	61.9	68.0	68.5	65.8	61.1	11.9
Accidents (unintentional injuries)	38.0	33.7	35.8	38.4	42.2	37.3	38.7	46.7	51.8	44.7	46.6	22.6
Other	29.8	27.4	27.9	30.4	18.6	27.7	31.0	37.8	40.0	33.5	37.5	25.8
Motor vehicle accidents	8.2	6.2	7.9	8.1	8.2	9.7	7.7	8.9	11.8	11.2	9.1	11.0
Chronic liver disease and cirrhosis	23.3	24.7	27.9	25.4	25.2	22.9	24.0	30.8	38.2	27.3	28.9	24.0
Diabetes	23.6	22.8	27.4	24.6	22.6	22.1	23.4	30.2	29.6	24.7	22.0	-6.8
ALL CAUSES	465.2	468.9	482.3	484.1	460.8	464.7	467.3	597.9	692.5	542.5	469.0	0.8
(Number of all deaths)	(3,810)	(3,914)	(4,066)	(4,130)	(3,997)	(4,081)	(4,132)	(5,238)	(6,125)	(4,880)	(4,285)	12.5
TOTAL												
Malignant neoplasms	175.6	157.9	170.6	167.0	161.8	161.6	160.9	156.1	155.9	152.6	138.6	-21.1
Diseases of heart	105.5	97.4	112.2	116.9	109.9	111.2	110.0	125.5	124.2	122.6	110.0	4.3
Accidents (unintentional injuries)	57.4	53.0	55.7	68.5	69.7	65.6	71.3	86.3	93.6	95.0	92.8	61.7
Other	41.8	40.4	40.8	50.3	52.5	48.5	56.1	68.6	71.0	73.7	72.6	73.7
Motor vehicle accidents	15.6	12.6	14.9	18.2	17.2	17.1	15.2	17.7	22.6	21.3	20.2	29.5
Chronic liver disease and cirrhosis	34.7	33.6	37.7	36.3	35.1	34.0	33.6	40.0	49.7	36.7	35.3	1.7
Chronic lower respiratory diseases	24.7	25.4	26.6	28.2	27.3	28.4	23.5	25.8	20.8	22.8	19.2	-22.3
ALL CAUSES	620.7	617.7	641.0	657.8	626.8	639.4	629.7	819.2	932.1	747.3	645.9	4.1
(Number of all deaths)	(9,898)	(10,025)	(10,510)	(10,911)	(10,567)	(10,920)	(10,834)	(14,003)	(16,060)	(13,095)	(11,496)	16.1

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Malignant neoplasms	169.1	153.8	164.8	162.1	156.3	156.4	153.7	150.9	151.6	147.1	132.6	-21.6
Diseases of heart	96.5	89.5	100.3	106.3	101.7	100.2	103.9	115.5	114.0	113.6	100.8	4.5
Accidents (unintentional injuries)	51.5	47.3	50.2	61.3	61.3	60.0	66.1	82.0	86.4	87.2	86.4	67.8
Other	38.5	36.7	37.8	45.3	46.6	46.0	52.4	65.7	67.0	68.7	68.6	78.2
Motor vehicle accidents	13.0	10.6	12.4	16.0	14.7	14.0	13.6	16.3	19.4	18.5	17.8	36.9
Chronic liver disease and cirrhosis	29.9	31.5	32.6	30.3	30.1	29.9	28.5	33.8	40.0	30.5	30.3	1.3
Chronic lower respiratory diseases	22.6	23.4	25.0	25.9	24.0	24.4	21.0	22.1	18.1	20.6	16.4	-27.4
ALL CAUSES	579.8	584.2	596.5	613.0	583.1	595.1	586.3	759.7	862.3	691.2	597.8	3.1
(Number of all deaths)	(7,631)	(7,855)	(8,128)	(8,485)	(8,223)	(8,527)	(8,485)	(10,988)	(12,602)	(10,282)	(9,039)	18.5
RURAL												
Malignant neoplasms	204.7	175.4	196.4	184.3	182.9	186.2	196.3	182.9	175.5	181.6	169.9	-17.0
Diseases of heart	142.2	133.3	163.5	159.6	140.1	162.6	139.1	176.9	175.9	165.7	158.7	11.6
Accidents (unintentional injuries)	75.8	73.3	72.6	83.8	91.5	86.9	94.1	100.0	122.7	123.4	115.0	51.7
Other	51.7	52.8	46.6	58.3	64.2	55.6	71.4	78.0	85.3	90.6	83.7	61.9
Motor vehicle accidents	24.1	20.5	26.0	25.5	27.2	31.3	22.7	22.1	37.5	32.8	31.4	30.3
Chronic liver disease and cirrhosis	57.1	41.7	59.2	61.9	56.6	53.5	59.7	71.9	102.5	69.8	62.4	9.3
Chronic lower respiratory diseases	32.3	34.1	33.9	37.9	41.7	49.1	35.5	44.5	35.6	34.0	34.4	6.5
ALL CAUSES	786.8	751.4	821.2	808.3	781.1	842.7	839.6	1111.4	1281.7	1025.3	883.0	12.2
(Number of all deaths)	(2,191)	(2,091)	(2,275)	(2,219)	(2,152)	(2,317)	(2,293)	(2,922)	(3,352)	(2,716)	(2,364)	7.9
TOTAL												
Malignant neoplasms	175.6	157.9	170.6	167.0	161.8	161.6	160.9	156.1	155.9	152.6	138.6	-21.1
Diseases of heart	105.5	97.4	112.2	116.9	109.9	111.2	110.0	125.5	124.2	122.6	110.0	4.3
Accidents (unintentional injuries)	57.4	53.0	55.7	68.5	69.7	65.6	71.3	86.3	93.6	95.0	92.8	61.7
Other	41.8	40.4	40.8	50.3	52.5	48.5	56.1	68.6	71.0	73.7	72.6	73.7
Motor vehicle accidents	15.6	12.6	14.9	18.2	17.2	17.1	15.2	17.7	22.6	21.3	20.2	29.5
Chronic liver disease and cirrhosis	34.7	33.6	37.7	36.3	35.1	34.0	33.6	40.0	49.7	36.7	35.3	1.7
Chronic lower respiratory diseases	24.7	25.4	26.6	28.2	27.3	28.4	23.5	25.8	20.8	22.8	19.2	-22.3
ALL CAUSES	620.7	617.7	641.0	657.8	626.8	639.4	629.7	819.2	932.1	747.3	645.9	4.1
(Number of all deaths)	(9,898)	(10,025)	(10,510)	(10,911)	(10,567)	(10,920)	(10,834)	(14,003)	(16,060)	(13,095)	(11,496)	16.1

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Gender	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Male	726.0	728.1	746.1	769.7	736.7	762.1	743.8	974.4	1087.4	882.8	772.5	6.4
Female	441.0	448.0	454.8	464.5	437.4	436.6	436.6	555.5	648.1	509.0	431.6	-2.1
TOTAL	579.8	584.2	596.5	613.0	583.1	595.1	586.3	759.7	862.3	691.2	597.8	3.1
RURAL												
Male	1018.5	953.9	1054.9	1079.2	1025.4	1110.2	1080.1	1432.6	1679.4	1360.3	1122.7	10.2
Female	568.8	561.6	603.7	557.3	556.0	596.9	617.8	812.9	912.0	713.9	660.2	16.1
TOTAL	786.8	751.4	821.2	808.3	781.1	842.7	839.6	1111.4	1281.7	1025.3	883.0	12.2
TOTAL												
Male	784.8	775.3	809.1	841.8	802.8	824.4	801.5	1052.8	1184.8	963.2	832.5	6.1
Female	465.2	468.9	482.3	484.1	460.8	464.7	467.3	597.9	692.5	542.5	469.0	0.8
TOTAL	620.7	617.7	641.0	657.8	626.8	639.4	629.7	819.2	932.1	747.3	645.9	4.1

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, 2023**

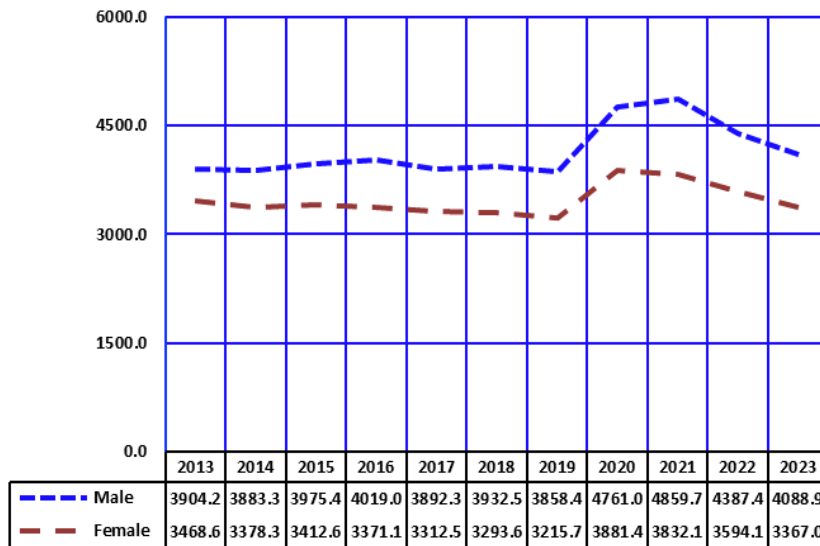
Cause of death	Total	Gender		Area ^a			Race/ethnicity					
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Refused/Unknown
Malignant neoplasms	2,467	1,246	1,221	2,005	455	7	1,634	534	127	92	66	14
Malignant neoplasm of trachea, bronchus and lung	390†	205	182	294	93	0	296	45	23	*	16	*
Malignant neoplasm of colon, rectum, and anus	317	199	118	272	45	0	191	81	23	10	11	*
Malignant neoplasm of breast	240†	*	233	194	40	*	153	59	9	10	*	0
Malignant neoplasm of pancreas	200†	112	87	175	24	0	138	42	10	*	*	*
Diseases of heart	1,957	1,399	558	1,524	425	8	1,308	334	150	110	36	19
Accidents (unintentional injury)	1,652	1,226	426	1,306	308	38	976	333	120	166	21	36
Accidental poisoning	916	669	247	751	138	27	540	193	71	78	9	25
Motor vehicle accidents	360†	276	83	269	84	6	205	68	24	52	*	*
Falls	120†	74	45	94	25	0	72	25	*	12	*	*
Chronic liver disease and cirrhosis	628	364	264	458	167	*	343	147	8	119	8	*
Diabetes	606	405	201	494	110	*	317	144	55	78	10	*
Intentional self-harm (suicide)	410†	314	93	314	93	0	322	49	16	10	*	*
By discharge of firearms	270†	230	38	201	67	0	217	28	11	6	*	*
By other means	140†	84	55	113	26	0	105	21	*	*	*	*
Cerebrovascular diseases	356	206	150	287	67	*	191	96	30	24	13	*
Chronic lower respiratory diseases	342	177	165	248	92	*	289	25	13	9	0	6
Influenza and pneumonia	170†	101	65	130	36	0	98	33	9	19	*	*
Essential (primary) hypertension and hypertensive renal disease	160†	102	55	129	26	*	91	37	14	9	*	*
Nephritis, nephrotic syndrome and nephrosis	150†	104	49	116	37	0	62	42	18	26	*	*
Septicemia	120†	71	48	103	16	0	59	35	11	10	*	*
Assault (homicide)	110†	86	26	95	16	*	55	32	16	7	*	*
By discharge of firearms	80†	57	18	68	6	*	36	24	13	*	0	0
By other means	40†	29	8	27	10	0	19	8	*	*	*	*
COVID-19	100†	51	48	77	22	0	62	15	7	13	*	*
Human immunodeficiency virus (HIV) disease	40†	37	7	40	*	*	21	12	*	*	*	*
Viral hepatitis	30†	17	11	21	6	*	19	7	*	*	0	0
Total, all causes ^b	11,496	7,211	4,285	9,039	2,364	93	7,241	2,301	724	891	216	123

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, 2013-2023



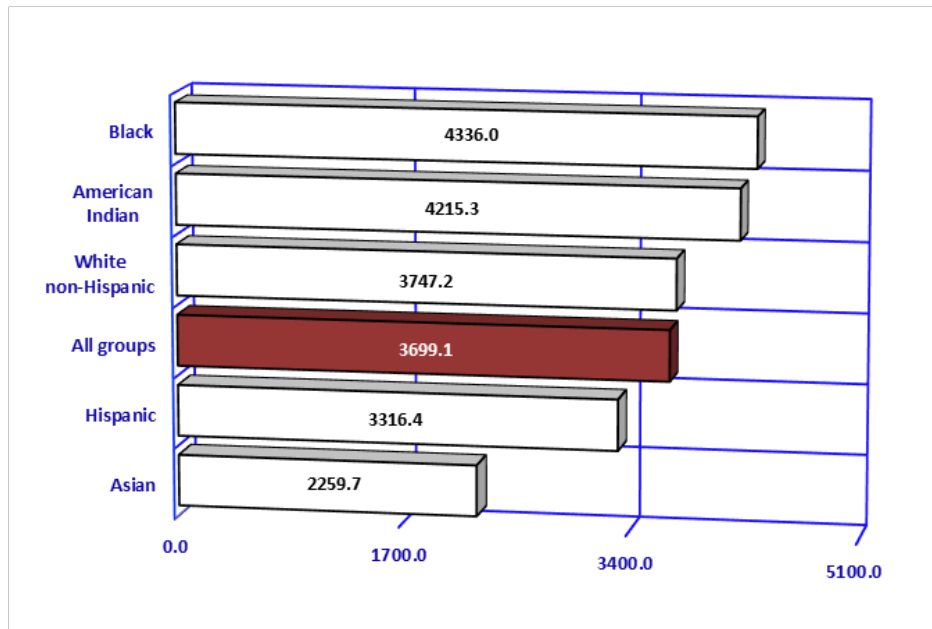
In 2023, an estimated 1,391,787 residents age 65 years and older resided in the state (**Table 10A-1**). No other age group has as great of a disproportionate gender distribution as the elderly. As a result of the higher total mortality rates for males at earlier ages, more elderly women than men were alive in 2023.

The 2023 elderly mortality rate of 3699.1 per 100,000 was 0.9 percent higher than the 2013 rate of 3,667.5 (**Table 2C-23**).

The 2023 total mortality rate among elderly females was 2.9 percent lower than their rate in 2013. The mortality rate among elderly males increased 4.7 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, 2023



In 2023 the mortality rate for Arizona's Black or African American elderly and American Indian elderly residents was 1.9 times that of the Asian elderly population. The mortality rate of 2,259.7/100,000 among elderly Asians was the lowest rate among the racial/ethnic groups (**Figure 2C-26**). Hispanic or Latino elderly had the second lowest mortality rate in 2023 at 3,316.4/100,000.

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)

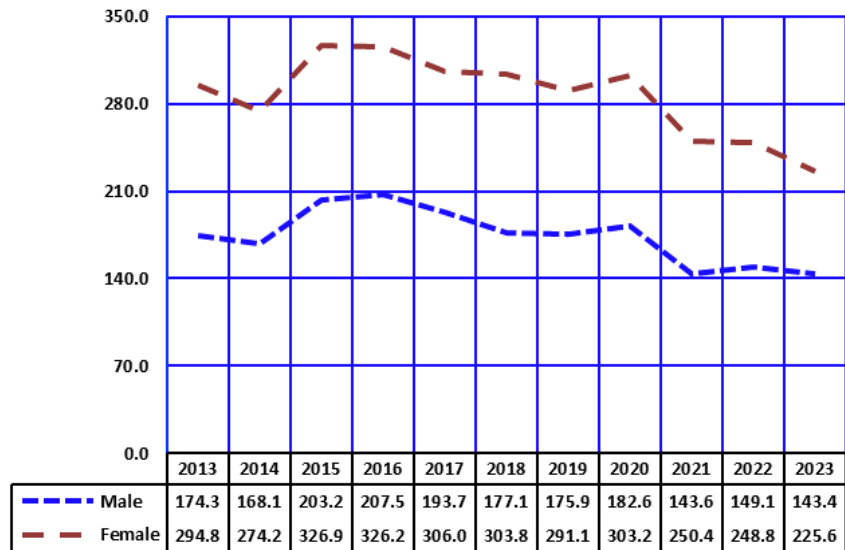
Tables 2C-23 and 2C-24 provide mortality rates for the five causes with the greatest number of deaths over the 2013-2023 period.

In 2023, Alzheimer's disease (2,614 deaths; **Table 2C-26**) accounted for 5.1 percent of elderly mortality. Compared to 2013, the mortality rate due to Alzheimer's disease has decreased for both males and females in 2023 (**Figure 2C-27**).

There were 1,696 deaths from Alzheimer's disease among elderly females in 2023, almost twice the number of deaths from this cause among males (918; **Table 2C-26**).

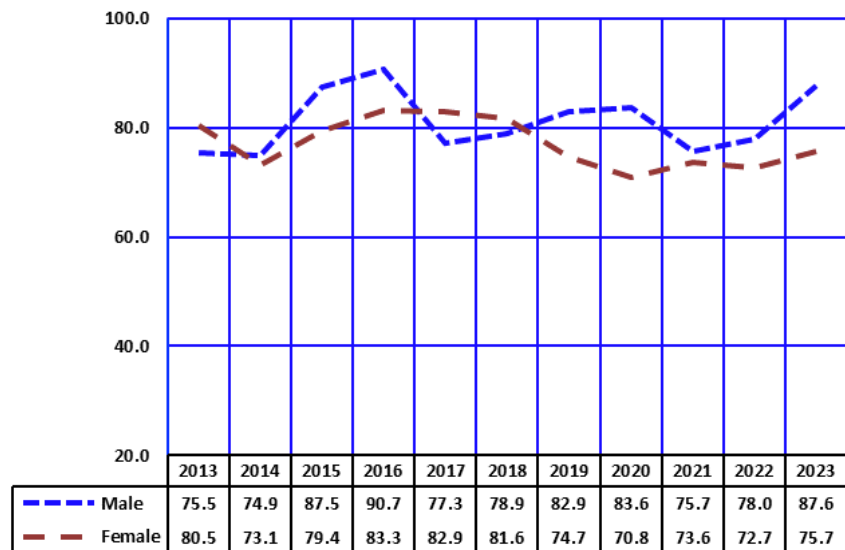
White non-Hispanic elderly accounted for 81.7 percent of the 2023 deaths from Alzheimer's disease (based on data in **Table 2C-26**).

Figure 2C-27
Trends in Mortality Rates for Alzheimer's Disease^a by Gender and Year among Elderly 65 Years and Older, Arizona, 2013-2023



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, 2013-2023



Note: ^a Number of deaths due to falls and fall-related injuries per 100,000 persons, 65+ years old in specified group.

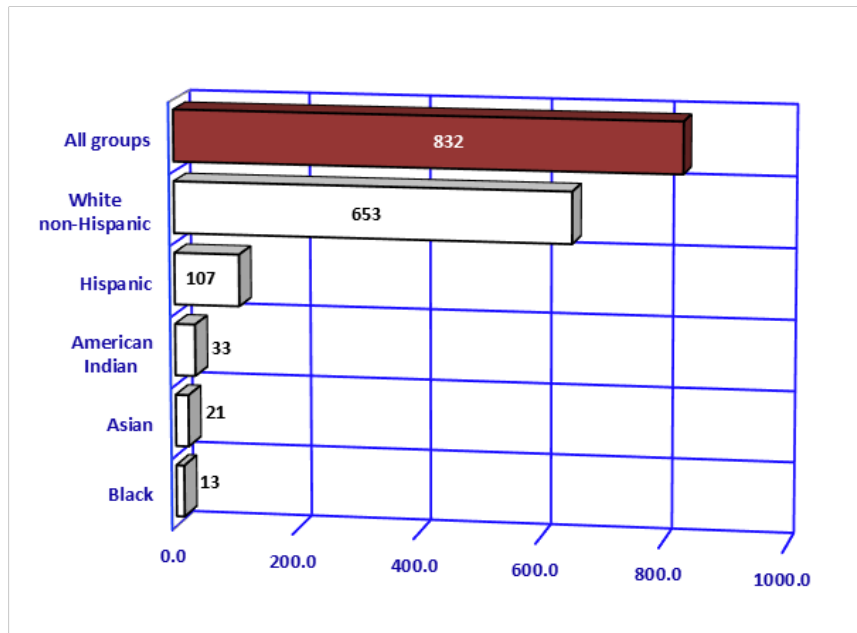
Among unintentional injury deaths unrelated to motor vehicles, Arizona's elderly experienced high mortality from *fall-related injuries* compared to other age groups (**Figure 2C-28**). In 2023, 1,130 elderly Arizonans 65 years or older died from *fall-related injuries*, compared to 1,030 in 2022, representing a 9.7 percent increase between these two years (**Table 2C-26**).

In 2023, Arizonans aged 85 years old or older experienced the largest number of *fall-related deaths* (541), followed by Arizonans 75-84 years old (385), and those aged 65-74 years old (204).

2C.AGE-SPECIFIC MORTALITY

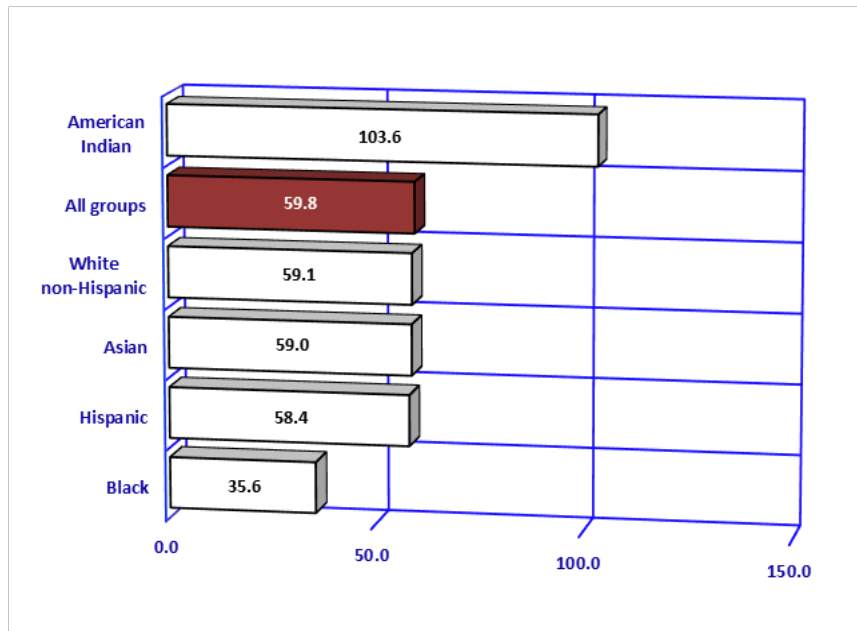
Elderly mortality (ages 65 years and older)

Figure 2C-29
Mortality for COVID-19 by Race/Ethnicity among Elderly 65 Years and Older, Arizona, 2023



In 2023, 832 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 78.5% (n=653) of deaths in this age group. In 2020, COVID-19 caused 6,260 deaths among elderly adult Arizona residents, the highest among all age groups. Since a peak of COVID-19 deaths in 2021, there has been a significant decline in the number of COVID-19 deaths among Arizonans 65+ years of age, with a high of 8,421 deaths in 2021, lowering to 3,523 in 2022, and most recently 832 in 2023 (**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, 2023



The age-specific mortality rate of Arizona resident elderly adults 65 years of age and older had the highest risk among American Indians with a rate of 103.6 deaths per 100,000 people aged 65 years and older. Since 2021, there has been a significant decline in the rate of COVID-19 deaths among Arizonans 65+ years of age, with a high of 624.8 deaths per 100,000 residents in 2021, lowering to 257.0/100,000 in 2022, and most recently 59.8/100,000 in 2023. (**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, 2013-2023

Gender/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
MALE												
Diseases of heart	1007.0	908.6	970.0	1003.2	1002.5	984.3	961.0	1062.8	1070.0	1044.3	1054.6	4.7
Malignant neoplasms	958.6	899.1	931.7	927.9	893.5	901.1	875.4	888.7	854.8	861.0	855.3	-10.8
Chronic lower respiratory diseases	302.7	290.2	308.7	298.2	288.3	280.8	265.2	260.6	238.3	236.0	214.5	-29.1
Cerebrovascular diseases	151.8	144.4	182.3	176.8	178.6	187.1	181.4	205.2	199.2	198.0	192.1	26.5
Alzheimer's disease	174.3	168.1	203.2	207.5	193.7	177.1	175.9	182.6	143.6	149.1	143.4	-17.7
ALL CAUSES	3904.2	3883.3	3975.4	4019.0	3892.3	3932.5	3858.4	4761.0	4859.7	4387.4	4088.9	4.7
(Number of all deaths)	(17,489)	(18,292)	(19,665)	(20,781)	(21,144)	(22,030)	(22,480)	(28,258)	(30,125)	(27,660)	(26,175)	49.7
FEMALE												
Diseases of heart	763.7	694.9	756.2	741.0	743.4	726.4	705.3	774.3	748.7	744.2	735.6	-3.7
Malignant neoplasms	697.9	628.1	670.5	642.2	628.7	601.8	624.4	627.5	607.5	625.4	614.9	-11.9
Chronic lower respiratory diseases	283.6	248.3	286.8	288.1	271.7	265.6	248.2	240.3	227.8	224.5	230.7	-18.7
Alzheimer's disease	294.8	274.2	326.9	326.2	306.0	303.8	291.1	303.2	250.4	248.8	225.6	-23.5
Cerebrovascular diseases	198.1	191.1	210.5	218.4	208.0	215.3	207.8	224.3	221.5	225.3	212.7	7.4
ALL CAUSES	3468.6	3378.3	3412.6	3371.1	3312.5	3293.6	3215.7	3881.4	3832.1	3594.1	3367.0	-2.9
(Number of all deaths)	(18,494)	(18,718)	(19,815)	(20,408)	(21,055)	(21,542)	(21,918)	(27,025)	(27,894)	(26,606)	(25,308)	36.8
TOTAL												
Diseases of heart	874.8	793.1	854.5	861.8	862.8	845.4	823.1	907.0	896.5	882.2	882.3	0.9
Malignant neoplasms	816.9	752.6	790.7	773.8	750.7	739.9	740.1	747.7	721.2	733.8	725.5	-11.2
Chronic lower respiratory diseases	292.3	267.6	296.8	292.8	279.3	272.6	256.0	249.6	232.6	229.8	223.2	-23.6
Cerebrovascular diseases	176.9	169.6	197.8	199.2	194.4	202.3	195.6	215.5	211.2	212.7	203.3	14.9
Alzheimer's disease	239.8	225.4	270.0	271.5	254.2	245.3	238.0	247.7	201.3	203.0	187.8	-21.7
ALL CAUSES	3667.5	3610.4	3671.5	3669.5	3579.6	3588.4	3511.9	4286.1	4304.7	3958.9	3699.1	0.9
(Number of all deaths)	(35,983)	(37,010)	(39,480)	(41,189)	(42,199)	(43,572)	(44,398)	(55,283)	(58,019)	(54,266)	(51,483)	43.1

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Diseases of heart	862.3	781.0	830.2	835.5	839.1	829.2	822.4	893.4	885.1	871.8	881.3	2.2
Malignant neoplasms	807.6	748.7	783.6	756.6	737.1	724.0	726.2	732.2	705.1	720.5	707.4	-12.4
Cerebrovascular diseases	180.1	172.6	198.1	197.5	193.8	203.2	197.2	218.6	211.4	215.5	207.4	15.2
Chronic lower respiratory diseases	286.3	267.8	292.0	285.8	265.3	257.5	238.0	235.6	215.1	214.0	204.5	-28.6
Alzheimer's disease	272.0	252.6	291.9	286.0	262.6	253.4	249.6	254.7	207.8	208.2	194.3	-28.6
ALL CAUSES	3663.4	3615.6	3650.2	3624.7	3531.0	3568.4	3488.5	4238.3	4220.5	3918.1	3653.3	-0.3
(Number of all deaths)	(28,442)	(29,416)	(31,179)	(32,370)	(33,146)	(34,397)	(35,062)	(43,652)	(45,392)	(42,893)	(40,652)	42.9
RURAL												
Diseases of heart	919.1	834.0	935.2	947.2	940.3	900.8	819.6	950.5	929.5	913.5	879.1	-4.4
Malignant neoplasms	847.8	764.5	810.8	828.2	792.5	794.6	788.7	803.9	777.9	780.8	792.3	-6.5
Chronic lower respiratory diseases	314.0	264.3	311.1	311.2	328.6	327.6	323.4	304.0	301.2	290.2	297.4	-5.3
Cerebrovascular diseases	164.1	157.9	195.8	204.0	193.6	196.1	187.2	202.0	206.8	198.9	186.0	13.3
Alzheimer's disease	117.2	118.7	184.1	211.9	218.2	211.3	190.6	218.6	174.1	181.2	161.6	37.9
ALL CAUSES	3665.4	3558.1	3706.3	3771.9	3708.2	3634.9	3566.0	4435.0	4588.6	4079.2	3841.6	4.8
(Number of all deaths)	(7,505)	(7,526)	(8,196)	(8,653)	(8,905)	(9,099)	(9,241)	(11,525)	(12,494)	(11,258)	(10,720)	42.8
TOTAL												
Diseases of heart	874.8	793.1	854.5	861.8	862.8	845.4	823.1	907.0	896.5	882.2	882.3	0.9
Malignant neoplasms	816.9	752.6	790.7	773.8	750.7	739.9	740.1	747.7	721.2	733.8	725.5	-11.2
Chronic lower respiratory diseases	292.3	267.6	296.8	292.8	279.3	272.6	256.0	249.6	232.6	229.8	223.2	-23.6
Cerebrovascular diseases	176.9	169.6	197.8	199.2	194.4	202.3	195.6	215.5	211.2	212.7	203.3	14.9
Alzheimer's disease	239.8	225.4	270.0	271.5	254.2	245.3	238.0	247.7	201.3	203.0	187.8	-21.7
ALL CAUSES	3667.5	3610.4	3671.5	3669.5	3579.6	3588.4	3511.9	4286.1	4304.7	3958.9	3699.1	0.9
(Number of all deaths)	(35,983)	(37,010)	(39,480)	(41,189)	(42,199)	(43,572)	(44,398)	(55,283)	(58,019)	(54,266)	(51,483)	43.1

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 2013-2023 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 2013-2023 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 2013-2019 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, 2013-2023

Area/Gender	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% change from 2013
URBAN												
Male	3898.2	3888.6	3944.3	3960.2	3799.2	3891.3	3816.2	4695.5	4733.8	4322.2	4003.5	2.7
Female	3470.8	3388.5	3405.1	3344.3	3306.7	3297.9	3214.4	3856.4	3792.2	3580.9	3361.1	-3.2
TOTAL	3663.4	3615.6	3650.2	3624.7	3531.0	3568.4	3488.5	4238.3	4220.5	3918.1	3653.3	-0.3
RURAL												
Male	3895.3	3826.7	4027.0	4133.9	4142.9	4043.4	3971.6	4952.7	5262.3	4575.5	4367.0	12.1
Female	3454.5	3309.8	3409.1	3435.2	3304.1	3253.6	3188.9	3956.9	3966.8	3621.2	3356.6	-2.8
TOTAL	3665.4	3558.1	3706.3	3771.9	3708.2	3634.9	3566.0	4435.0	4588.6	4079.2	3841.6	4.8
TOTAL												
Male	3904.2	3883.3	3975.4	4019.0	3892.3	3932.5	3858.4	4761.0	4859.7	4387.4	4088.9	4.7
Female	3468.6	3378.3	3412.6	3371.1	3312.5	3293.6	3215.7	3881.4	3832.1	3594.1	3367.0	-2.9
TOTAL	3667.5	3610.4	3671.5	3669.5	3579.6	3588.4	3511.9	4286.1	4304.7	3958.9	3699.1	0.9

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, 2023**

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	Refused/Unknown
Diseases of heart	12,280	6,751	5,529	9,806	2,453	21	10,198	1,234	380	235	163	70
Malignant neoplasms	10,097	5,475	4,622	7,871	2,211	15	8,148	1,196	345	204	164	40
Malignant neoplasm of trachea, bronchus and lung	2,015	1,049	966	1,575	438	*	1,729	170	62	16	28	10
Malignant neoplasm of lymphoid, hematopoietic and related tissue	969	578	391	795	173	*	771	141	28	12	14	*
Malignant neoplasm of colon, rectum, and anus	896	484	412	678	218	0	711	111	41	21	12	0
Malignant neoplasm of pancreas	845	424	421	685	158	*	671	99	33	19	18	*
Malignant neoplasm of prostate	738	738	0	532	205	*	576	97	38	17	6	*
Malignant neoplasm of breast	640†	6	633	498	139	*	528	79	14	11	*	*
Chronic lower respiratory diseases	3,107	1,373	1,734	2,276	830	*	2,809	165	58	31	22	22
Cerebrovascular diseases	2,829	1,230	1,599	2,308	519	*	2,219	400	102	44	54	10
Alzheimer's disease	2,614	918	1,696	2,162	451	*	2,135	334	75	31	32	7
Accidents (unintentional injury)	2,033	1,162	871	1,633	394	6	1,604	246	49	84	30	20
Falls	1,130	561	569	950	178	*	953	119	9	30	14	*
Motor vehicle accidents	280†	193	88	206	75	0	200	45	12	17	*	*
Diabetes	1,618	950	668	1,276	336	6	1,040	336	67	120	47	8
Parkinson's disease	932	604	328	785	146	*	792	79	17	18	24	*
Essential (primary) hypertension and hypertensive disease	884	400	484	751	133	0	660	128	51	20	21	*
COVID-19	832	463	369	662	167	*	653	107	13	33	21	*
Influenza and pneumonia	698	368	330	540	156	*	519	99	22	39	15	*
Nephritis, nephrotic syndrome and nephrosis	628	348	280	467	160	*	425	108	35	38	18	*
Septicemia	400†	196	203	309	86	*	277	76	19	23	*	*
Total, all causes ^b	51,483	26,175	25,308	40,652	10,720	111	41,397	6,073	1,582	1,343	804	284

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, 2023**

	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	69,005	430	265	336	4,995	11,496	51,483
Salmonella infections	0	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0
Certain other intestinal infections	190†	*	0	*	6	26	159
Enterocolitis due to Clostridium difficile	110†	0	0	0	*	14	87
Tuberculosis	10†	0	0	0	*	*	8
Respiratory tuberculosis	10†	0	0	0	*	*	*
Other tuberculosis	0†	0	0	0	0	0	*
Whooping cough	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0
Septicemia	550†	*	6	*	27	119	399
Syphilis	10†	0	0	0	*	0	*
Acute poliomyelitis	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0
Viral hepatitis	70†	0	0	0	*	28	36
Human immunodeficiency virus (HIV) disease	77	0	0	0	16	44	17
Malaria	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	390†	6	10	*	17	96	255
Malignant neoplasms	12,920†	*	26	14	315	2,467	10,097
Malignant neoplasm of lip, oral cavity and pharynx	244	0	0	0	8	57	179
Malignant neoplasm of esophagus	350†	0	0	0	*	60	285
Malignant neoplasm of stomach	228	0	0	0	15	72	141
Malignant neoplasm of colon, rectum, and anus	1,254	0	0	0	41	317	896
Malignant neoplasm of liver and intrahepatic bile ducts	701	0	0	0	15	146	540
Malignant neoplasm of pancreas	1,052	0	0	0	8	199	845
Malignant neoplasm of larynx	80†	0	0	0	*	23	56
Malignant neoplasm of trachea, bronchus and lung	2,408	0	0	0	6	387	2,015
Malignant melanoma of skin	210†	0	*	0	8	54	145
Malignant neoplasm of breast	914	0	0	0	40	235	639
Malignant neoplasm of cervix uteri	80	0	0	0	14	39	27
Malignant neoplasm of corpus uteri and uterus, part unspecified	235	0	0	0	12	55	168
Malignant neoplasm of ovary	330†	0	0	*	12	90	221
Malignant neoplasm of prostate	795	0	0	0	0	57	738
Malignant neoplasm of kidney and renal pelvis	320†	0	*	0	*	64	255
Malignant neoplasm of bladder	370†	0	0	0	*	32	333

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2023

	All ages	Infants <1	Children 1-14	Adoles- cents 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	360†	*	*	*	26	91	238
Malignant neoplasm of lymphoid, hematopoietic and related tissue	1,180†	*	6	*	31	168	969
Hodgkin's disease	20†	0	0	0	*	*	11
Non-Hodgkin's lymphoma	400†	0	0	*	6	48	343
Leukemia	530†	*	6	*	22	74	422
Multiple myeloma and immunoproliferative neoplasms	230†	0	0	0	*	40	188
Other and unspecified malignant neoplasms of lymphoid tissue	10†	0	0	0	0	*	*
All other and unspecified malignant neoplasm	1,819	0	14	8	69	321	1,407
In situ neoplasms	390†	*	0	0	9	41	335
Anemias	81	0	0	0	7	8	66
Diabetes	2,330†	0	*	*	102	606	1,618
Nutritional deficiencies	750†	0	*	0	*	38	711
Malnutrition	730†	0	*	0	*	35	692
Other nutritional deficiencies	20†	0	0	0	0	*	19
Obesity	226	0	0	0	46	82	98
Meningitis	20†	0	*	0	*	7	9
Parkinson's disease	944	0	0	0	0	12	932
Alzheimer's disease	2,642	0	0	0	0	28	2,614
Major cardiovascular diseases	19,415	12	16	7	341	2,582	16,457
Diseases of heart	14,510†	10	13	*	251	1,957	12,280
Acute rheumatic fever and chronic rheumatic heart disease	100†	0	0	0	*	11	82
Hypertensive heart disease	2,095	0	0	0	52	266	1,777
Hypertensive heart and renal disease	310†	0	0	0	*	20	287
Ischemic heart disease	8,070†	0	0	*	86	1,175	6,808
Acute myocardial infarction	1,649	0	0	0	14	321	1,314
Other acute ischemic heart disease	60†	0	0	0	*	11	50
Other forms of chronic ischemic heart disease	6,360†	0	0	*	69	843	5,444
Atherosclerotic cardiovascular disease	1,790†	0	0	*	40	454	1,292
All other forms of chronic ischemic heart disease	4,570	0	0	0	29	389	4,152
Other heart diseases	3,950†	10	13	*	109	485	3,326
Acute and subacute endocarditis	40†	*	0	0	*	8	24
Diseases of pericardium and acute myocarditis	20†	0	*	0	0	*	10
Heart failure	1,090†	*	0	0	13	91	984
All other forms of heart disease	2,790†	6	10	*	85	381	2,308
Essential (primary) hypertension and hypertensive renal disease	1,060†	0	*	0	18	157	884
Cerebrovascular diseases	3,240†	*	*	*	48	356	2,829
Atherosclerosis	100	0	0	0	0	9	91

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2023

	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	500†	0	0	*	24	103	371
Aortic aneurysm and dissection	264	0	0	0	15	71	178
Other disease of arteries, arterioles and capillaries	240†	0	0	*	9	32	193
Other disorders of circulatory system	130†	*	0	0	16	37	80
Influenza and pneumonia	930†	*	*	*	59	166	698
Influenza	70†	0	*	*	11	15	42
Pneumonia	860†	*	*	*	48	151	656
COVID-19	950†	*	*	*	17	99	832
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	*
Chronic lower respiratory diseases	3,480†	0	*	0	23	342	3,107
Bronchitis, chronic and unspecified	8	0	0	0	0	0	8
Emphysema	200†	0	0	0	*	25	172
Asthma	70†	0	*	0	16	19	37
Other chronic lower respiratory diseases	3,200†	0	*	0	6	298	2,890
Pneumoconioses and chemical effects	8	0	0	0	0	0	8
Pneumonitis due to solids and liquids	250†	0	0	*	7	45	193
Other disease of respiratory system	1,190†	*	*	0	23	168	994
Peptic ulcer	100†	0	*	0	6	21	73
Diseases of appendix	10†	0	*	0	0	*	9
Hernia	60†	0	0	0	*	7	49
Chronic liver disease and cirrhosis	1,424	0	0	0	249	628	547
Alcoholic liver disease	860	0	0	0	195	423	242
Other chronic liver disease and cirrhosis	564	0	0	0	54	205	305
Cholelithiasis and other disorders of gallbladder	90†	0	0	0	*	12	77
Nephritis, nephrotic syndrome and nephrosis	810†	0	0	*	29	153	628
Acute and rapidly progressive nephritic and nephrotic syndrome	10†	0	0	0	0	*	7
Chronic glomerulonephritis	20†	0	0	*	*	*	9
Renal failure	785	0	0	0	26	149	610
Others disorders of kidney	0†	0	0	0	0	0	*
Infections of kidney	30†	0	0	0	*	6	23
Hyperplasia of prostate	14	0	0	0	0	0	14
Inflammatory diseases of female pelvic organs	10†	0	0	0	0	*	*
Pregnancy, childbirth and the puerperium	30†	0	0	*	23	*	0
Pregnancy with abortive outcome	0†	0	0	0	*	0	0
Other complications of pregnancy, childbirth and the puerperium	20†	0	0	*	22	*	0

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2023

	All ages	Infants <1	Children 1-14	Adoles- cents 15-19	Young adults 20-44	Middle- aged adults 45-64	Elderly 65+
Perinatal conditions	212	212	0	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	230†	96	14	*	27	41	42
Symptoms, signs, abnormal findings	690†	43	6	*	68	114	455
Total accidents	6,000	19	90	132	2,074	1,652	2,033
Transport accidents	1,300†	*	34	80	542	359	281
Motor vehicle accidents	1,400†	*	37	81	578	389	312
Other land transport accidents	40†	0	*	0	20	11	12
Water, air, space	60†	0	*	*	16	19	19
Nontransport accidents	4,600	16	53	51	1,496	1,263	1,721
Falls	1,290†	0	*	0	36	119	1,130
Accidental discharge of firearms	10†	0	0	0	*	*	0
Accidental drowning and submersion	120†	*	21	6	31	27	33
Accidental exposure to smoke, fire and flames	70†	*	11	*	11	12	31
Accidental poisoning	2,483	0	7	39	1,328	916	193
Other and unspecified nontransport accidents	640†	13	12	*	85	188	334
Intentional self-harm (suicide)	1,485	0	12	62	621	407	383
By discharge of firearms	940†	0	*	31	345	268	292
By other means	545	0	8	31	276	139	91
Assault (homicide)	530†	*	13	70	299	112	31
By discharge of firearms	406	0	9	67	241	75	14
By other means	120†	*	*	*	58	37	17
Legal intervention	30†	0	0	*	24	6	*
Events of undetermined intent	158	6	13	9	68	42	20
Discharge of firearms	20†	0	*	*	14	0	*
Other and unspecified events of undetermined intent	140†	6	10	*	54	42	19
Operations of war	0†	0	0	0	0	0	*
Complications of medical and surgical care	60†	0	*	0	6	8	47
Injury by firearms	1,405	0	16	104	627	350	308
Drug-induced deaths	2,710†	*	14	41	1,397	989	262
Opioid-induced deaths	1,930†	*	13	34	1,142	602	136
Alcohol-induced deaths	1,470†	0	0	*	372	694	399

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, 2023

	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	917.0	552.1	20.4	68.7	201.1	645.9	3699.1
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
Certain other intestinal infections	2.6	**	0.0	**	0.2	1.5	11.4
Enterocolitis due to Clostridium difficile	1.4	0.0	0.0	0.0	**	0.8	6.3
Tuberculosis	0.1	0.0	0.0	0.0	**	**	0.6
Respiratory tuberculosis	0.1	0.0	0.0	0.0	**	**	**
Other tuberculosis	0.1	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
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	7.3	**	0.5	**	1.1	6.7	28.7
Syphilis	0.1	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	0.9	0.0	0.0	0.0	**	1.6	2.6
Human immunodeficiency virus (HIV) disease	1.0	0.0	0.0	0.0	0.6	2.5	1.2
Malaria	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other and unspecified infectious and parasitic diseases	5.1	7.7	0.8	**	0.7	5.4	18.3
Malignant neoplasms	171.7	**	2.0	2.9	12.7	138.6	725.5
Malignant neoplasm of lip, oral cavity and pharynx	3.2	0.0	0.0	0.0	0.3	3.2	12.9
Malignant neoplasm of esophagus	4.7	0.0	0.0	0.0	**	3.4	20.5
Malignant neoplasm of stomach	3.0	0.0	0.0	0.0	0.6	4.0	10.1
Malignant neoplasm of colon, rectum, and anus	16.7	0.0	0.0	0.0	1.7	17.8	64.4
Malignant neoplasm of liver and intrahepatic bile ducts	9.3	0.0	0.0	0.0	0.6	8.2	38.8
Malignant neoplasm of pancreas	14.0	0.0	0.0	0.0	0.3	11.2	60.7
Malignant neoplasm of larynx	1.1	0.0	0.0	0.0	**	1.3	4.0
Malignant neoplasm of trachea, bronchus and lung	32.0	0.0	0.0	0.0	0.2	21.7	144.8
Malignant melanoma of skin	2.8	0.0	**	0.0	0.0	3.0	10.4
Malignant neoplasm of breast	12.1	0.0	0.0	0.0	1.6	13.2	45.9
Malignant neoplasm of cervix uteri	2.1	0.0	0.0	0.0	1.2	4.3	3.6
Malignant neoplasm of corpus uteri and uterus, part unspecified	6.2	0.0	0.0	0.0	1.0	6.0	22.4
Malignant neoplasm of ovary	8.6	0.0	0.0	**	1.0	9.9	29.4
Malignant neoplasm of prostate	21.3	0.0	0.0	0.0	0.0	6.6	115.3
Malignant neoplasm of kidney and renal pelvis	4.3	0.0	**	0.0	**	3.6	18.3
Malignant neoplasm of bladder	4.9	0.0	0.0	0.0	**	1.8	23.9

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES^a BY AGE GROUP, ARIZONA, 2023

	All ages	Infants <1	Children 1-14	Adoles- cents 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	4.8	**	**	**	1.0	5.1	17.1
Malignant neoplasm of lymphoid, hematopoietic and related tissue	15.7	**	0.5	**	1.2	9.4	69.6
Hodgkin's disease	0.2	0.0	0.0	0.0	**	**	0.8
Non-Hodgkin's lymphoma	5.3	0.0	0.0	**	0.2	2.7	24.6
Leukemia	7.0	**	0.5	**	0.9	4.2	30.3
Multiple myeloma and immunoproliferative neoplasms	3.0	0.0	0.0	0.0	**	2.2	13.5
Other and unspecified malignant neoplasms of lymphoid tissue	0.1	0.0	0.0	0.0	0.0	**	**
All other and unspecified malignant neoplasm	24.2	0.0	1.1	1.6	2.8	18.0	101.1
In situ neoplasms	5.2	**	0.0	0.0	0.4	2.3	24.1
Anemias	1.1	0.0	0.0	0.0	0.3	0.4	4.7
Diabetes	31.0	0.0	**	**	4.1	34.0	116.3
Nutritional deficiencies	10.0	0.0	**	0.0	**	2.1	51.1
Malnutrition	9.7	0.0	**	0.0	**	2.0	49.7
Other nutritional deficiencies	0.3	0.0	0.0	0.0	0.0	**	1.4
Obesity	3.0	0.0	0.0	0.0	1.9	4.6	7.0
Meningitis	0.3	0.0	**	0.0	**	0.4	0.7
Parkinson's disease	12.5	0.0	0.0	0.0	0.0	0.7	67.0
Alzheimer's disease	35.1	0.0	0.0	0.0	0.0	1.6	187.8
Major cardiovascular diseases	258.0	15.4	1.2	1.4	13.7	145.1	1182.4
Diseases of heart	192.9	12.8	1.0	**	10.1	110.0	882.3
Acute rheumatic fever and chronic rheumatic heart disease	1.3	0.0	0.0	0.0	**	0.6	5.9
Hypertensive heart disease	27.8	0.0	0.0	0.0	2.1	14.9	127.7
Hypertensive heart and renal disease	4.1	0.0	0.0	0.0	**	1.1	20.6
Ischemic heart disease	107.2	0.0	0.0	**	3.5	66.0	489.2
Acute myocardial infarction	21.9	0.0	0.0	0.0	0.6	18.0	94.4
Other acute ischemic heart disease	0.9	0.0	0.0	0.0	**	0.6	3.6
Other forms of chronic ischemic heart disease	84.5	0.0	0.0	**	2.8	47.4	391.2
Atherosclerotic cardiovascular disease	23.7	0.0	0.0	**	1.6	25.5	92.8
All other forms of chronic ischemic heart disease	60.7	0.0	0.0	0.0	1.2	21.9	298.3
Other heart diseases	52.4	12.8	1.0	**	4.4	27.3	239.0
Acute and subacute endocarditis	0.5	**	0.0	0.0	**	0.4	1.7
Diseases of pericardium and acute myocarditis	0.3	0.0	**	0.0	0.2	**	0.7
Heart failure	14.5	**	0.0	0.0	0.5	5.1	70.7
All other forms of heart disease	37.1	7.7	0.8	**	3.4	21.4	165.8
Essential (primary) hypertension and hypertensive renal disease	14.1	0.0	**	0.0	0.7	8.8	63.5
Cerebrovascular diseases	43.1	**	**	**	1.9	20.0	203.3
Atherosclerosis	1.3	0.0	0.0	0.0	0.0	0.5	6.5

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES^a BY AGE GROUP, ARIZONA, 2023

	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	6.6	0.0	0.0	**	1.0	5.8	26.7
Aortic aneurysm and dissection	3.5	0.0	0.0	0.0	0.6	4.0	12.8
Other disease of arteries, arterioles and capillaries	3.1	0.0	0.0	**	0.4	1.8	13.9
Other disorders of circulatory system	1.8	**	0.0	0.0	0.6	2.1	5.8
Influenza and pneumonia	12.4	**	**	**	2.4	9.3	50.2
Influenza	0.9	0.0	**	**	0.4	0.8	3.0
Pneumonia	11.4	**	**	**	1.9	8.5	47.1
COVID-19	12.7	**	**	**	0.7	5.6	59.8
Other acute lower respiratory infections	0.1	0.0	0.0	0.0	0.0	**	**
Acute bronchiolitis	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	**
Chronic lower respiratory diseases	46.2	0.0	**	0.0	0.9	19.2	223.2
Bronchitis, chronic and unspecified	0.1	0.0	0.0	0.0	0.0	0.0	0.6
Emphysema	2.6	0.0	0.0	0.0	**	1.4	12.4
Asthma	1.0	0.0	**	0.0	0.6	1.1	2.7
Other chronic lower respiratory diseases	42.5	0.0	**	0.0	0.2	16.7	207.7
Pneumoconioses and chemical effects	0.1	0.0	0.0	0.0	0.0	0.0	0.6
Pneumonitis due to solids and liquids	3.3	0.0	0.0	**	0.3	2.5	13.9
Other disease of respiratory system	15.8	**	**	0.0	0.9	9.4	71.4
Peptic ulcer	1.3	0.0	**	0.0	0.2	1.2	5.2
Diseases of appendix	0.1	0.0	**	0.0	0.0	**	0.7
Hernia	0.8	0.0	0.0	0.0	**	0.4	3.5
Chronic liver disease and cirrhosis	18.9	0.0	0.0	0.0	10.0	35.3	39.3
Alcoholic liver disease	11.4	0.0	0.0	0.0	7.8	23.8	17.4
Other chronic liver disease and cirrhosis	7.5	0.0	0.0	0.0	2.2	11.5	21.9
Cholelithiasis and other disorders of gallbladder	1.2	0.0	0.0	0.0	**	0.7	5.5
Nephritis, nephrotic syndrome and nephrosis	10.8	0.0	0.0	**	1.2	8.6	45.1
Acute and rapidly progressive nephritic and nephrotic syndrome	0.1	0.0	0.0	0.0	0.0	**	0.5
Chronic glomerulonephritis	0.2	0.0	0.0	**	**	**	0.7
Renal failure	10.4	0.0	0.0	0.0	1.0	8.4	43.8
Others disorders of kidney	0.0	0.0	0.0	0.0	0.0	0.0	**
Infections of kidney	0.4	0.0	0.0	0.0	**	0.3	1.7
Hyperplasia of prostate	0.4	0.0	0.0	0.0	0.0	0.0	2.2
Inflammatory diseases of female pelvic organs	0.1	0.0	0.0	0.0	0.0	**	**
Pregnancy, childbirth and the puerperium	0.7	0.0	0.0	**	1.9	**	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	0.6	0.0	0.0	**	1.8	**	0.0

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES^a BY AGE GROUP, ARIZONA, 2023

	All ages	Infants <1	Children 1-14	Adoles- cents 15-19	Young adults 20-44	Middle- aged adults 45-64	Elderly 65+
Perinatal conditions	2.8	272.2	0.0	0.0	0.0	0.0	0.0
Congenital anomalies, deformations and chromosomal abnormalities	3.0	123.3	1.1	**	1.1	2.3	3.0
Symptoms, signs, abnormal findings	9.2	55.2	0.5	**	2.7	6.4	32.7
Total accidents	79.7	24.4	**	27.0	83.5	92.8	146.1
Transport accidents	18.6	**	2.9	16.6	23.3	21.9	22.4
Motor vehicle accidents	17.3	**	2.6	16.4	21.8	20.2	20.2
Other land transport accidents	0.6	0.0	**	0.0	0.8	0.6	0.9
Water, air, space	0.8	0.0	**	**	0.6	1.1	1.4
Nontransport accidents	61.1	20.5	4.1	10.4	60.2	71.0	123.7
Falls	17.1	0.0	**	0.0	1.4	6.7	81.2
Accidental discharge of firearms	0.1	0.0	0.0	0.0	**	**	0.0
Accidental drowning and submersion	1.6	**	1.6	1.2	1.2	1.5	2.4
Accidental exposure to smoke, fire and flames	0.9	**	0.8	**	0.4	0.7	2.2
Accidental poisoning	33.0	0.0	0.5	8.0	53.5	51.5	13.9
Other and unspecified nontransport accidents	8.5	16.7	0.9	**	3.4	10.6	24.0
Intentional self-harm (suicide)	19.7	0.0	0.9	12.7	25.0	22.9	27.5
By discharge of firearms	12.5	0.0	**	6.3	13.9	15.1	21.0
By other means	7.2	0.0	0.6	6.3	11.1	7.8	6.5
Assault (homicide)	7.0	**	1.0	14.3	12.0	6.3	2.2
By discharge of firearms	5.4	0.0	0.7	13.7	9.7	4.2	1.0
By other means	1.6	**	**	**	2.3	2.1	1.2
Legal intervention	0.4	0.0	0.0	**	1.0	0.3	**
Events of undetermined intent	2.1	7.7	1.0	1.8	2.7	2.4	1.4
Discharge of firearms	0.3	0.0	**	**	0.6	0.0	**
Other and unspecified events of undetermined intent	1.8	7.7	0.8	**	2.2	2.4	1.4
Operations of war	0.0	0.0	0.0	0.0	0.0	0.0	**
Complications of medical and surgical care	0.8	0.0	**	0.0	0.2	0.4	3.4
Injury by firearms ^b	18.7	0.0	1.2	21.3	25.2	19.7	22.1
Drug-induced deaths ^b	35.9	**	1.1	8.4	56.2	55.6	18.8
Opioid-induced deaths	25.6	**	1.0	7.0	46.0	33.8	9.8
Alcohol-induced deaths ^b	19.5	0.0	0.0	**	15.0	39.0	28.7

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

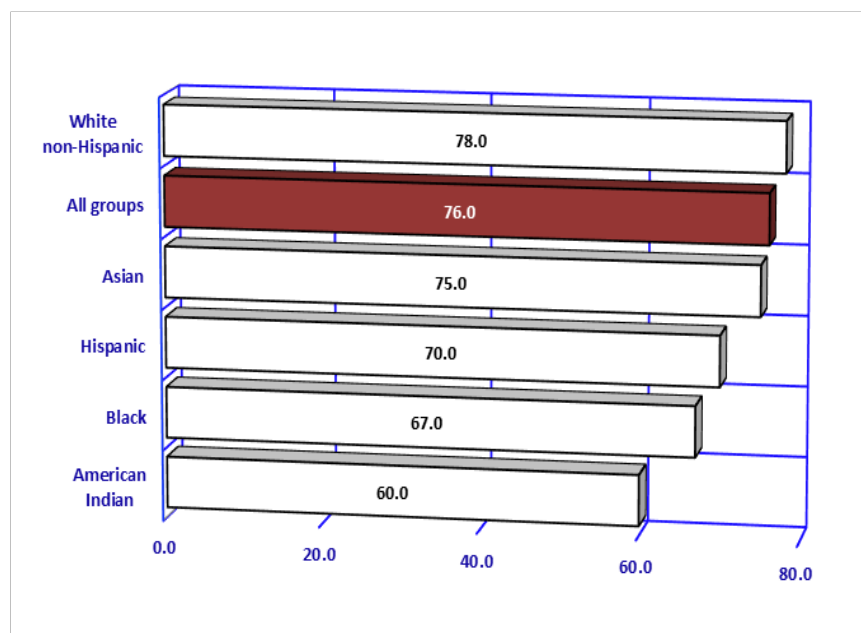
In 2023, among the race/ethnic minority groups (Hispanic or Latino, Black or African American, American Indian or Alaska Native, Asian or Pacific Islander), people younger than 25 years represented 41.4 percent of the group total (n= 3,387,843), while among White non-Hispanics the same age demographic accounted for 23.6 percent of the group total (n= 4,137,270). 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 2023, of all deaths among the elderly (65 years and older), 80.4 percent were White non-Hispanics, 11.8 percent were Hispanic or Latino, with the remaining three racial/ethnic groups comprising only 7.2 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 7.2 percent of all childhood deaths. Native American adolescents (ages 15–19) represented only 4.7 percent of all adolescents, but accounted for 11.3 percent of all adolescent deaths. Finally, Native American young adults (ages 20–44) represented 4.5 percent of all young adults but comprised 16.0 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

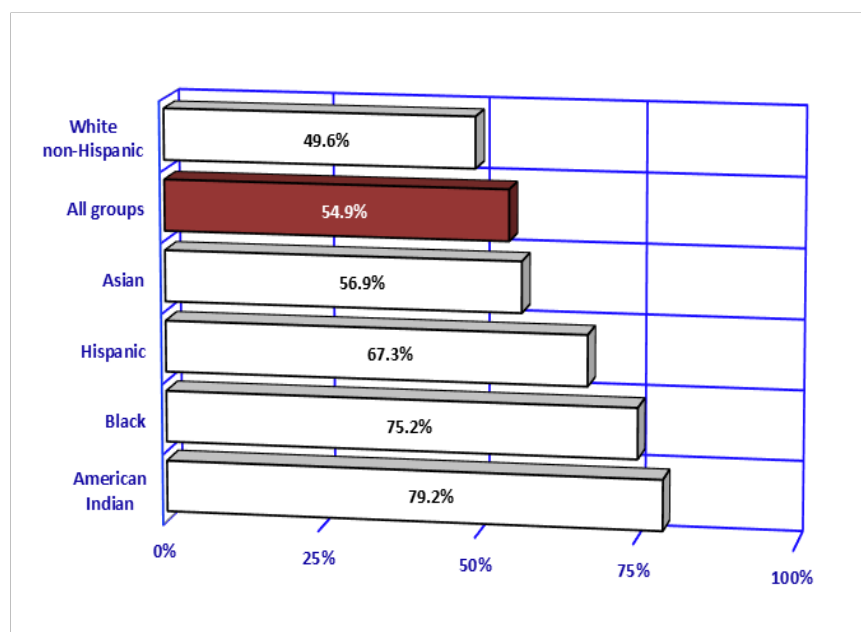
Figure 2D-1
Median Age at Death by Race/Ethnicity, Arizona, 2023



The median age at death was 77 years in 2013, and lowered to 74 in 2021, but increased to 76 years in 2022 and 2023 (**Table 2D-1**). In other words, one of every two Arizonans who died in 2023 was older than 76 years of age. Among Arizona females, the median age at death was 79 years old when they died in 2023. Among males, the median age at death was 74 years in 2023. **Table 2D-1** shows both the median age at death by race/ethnicity and gender from 2013-2023.

In 2023, compared to White non-Hispanics, Asians were 3 years younger at time of death, Hispanics were 8 years younger, Blacks were 11 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, 2023



Note: ^a Expected years of life at birth for all U.S. residents (78.4 years).

In 2023, the percent of deaths before expected years of life reached (a premature death ratio) was 54.9 percent. This is similar to 2013 when it was 54.6 percent. (**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 (49.6 percent) occurring before the expected years of life were reached (**Figure 2D-2**).

Among American Indians, nearly eight out of ten deaths (79.2 percent) were premature (**Table 2D-2**).

2D. PATTERNS OF PREMATURE MORTALITY

Figure 2D-3
Median Age at Death for Selected Leading Causes of Death, Arizona, 2023

In 2023, *Alzheimer's disease* had the highest median age of death at 86 years (**Figure 2D-3**), exceeding by 10 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 34 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* (74 years) is substantially lower than the median age at death from *diseases of the heart* (80 years).

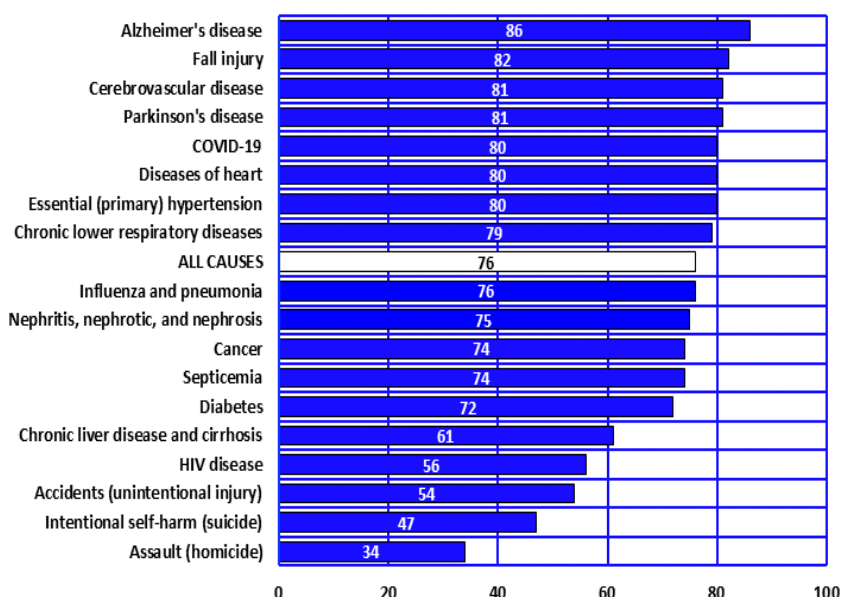
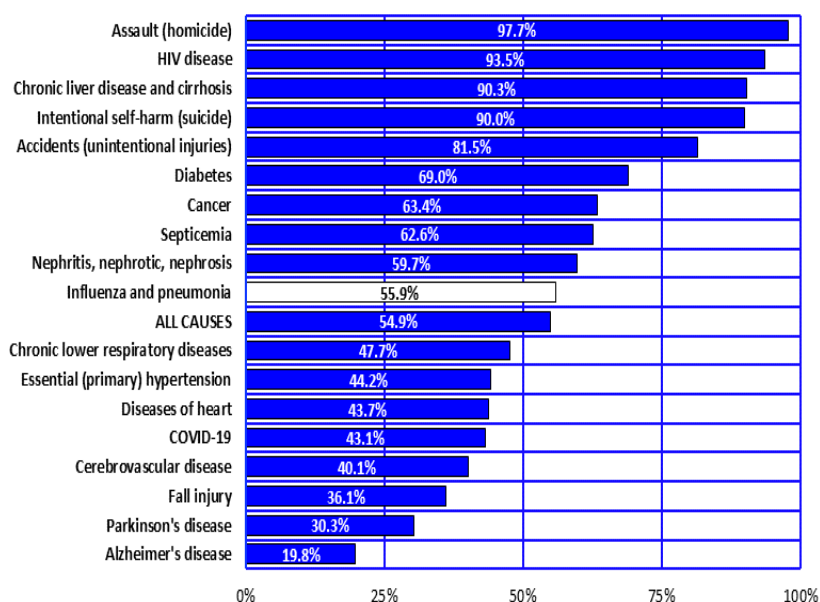


Figure 2D-4
Percent of Deaths before Expected Years of Life^a Reached for Selected Leading Causes of Death, Arizona, 2023

Only 19.8 percent of deaths from *Alzheimer's disease* occurred before the age of 78.4 years, i.e., before the expected years of life were reached. In contrast, almost all deaths from *homicide* were premature (97.7 percent; **Figure 2D-4, Table 2D-4**). The median age at death from *homicide* was 34 years in 2023, showing a decrease from 35 years recorded in 2022 (**Figure 2D-3, Table 2D-3**).

A minority of deaths from *diseases of heart* were premature (43.7 percent). In contrast 63.4 percent of deaths from *cancer* occurred before the expected years of life were reached.



Note: ^a Expected years of life at birth for all U.S. residents (78.4 years).

**TABLE 2D-1
AVERAGE AND MEDIAN AGE AT DEATH FROM ALL CAUSES BY GENDER AND RACE/ETHNICITY, ARIZONA, 2013-2023**

Year	Gender	All ethnic groups		Race/ethnicity											
				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		
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		
2022	Total	72.1	76.0	75.1	78.0	64.9	69.0	62.4	66.0	57.9	59.0	70.4	75.0		
	Male	69.4	73.0	72.8	76.0	61.3	65.0	59.4	63.0	54.5	55.0	65.7	71.0		
	Female	75.3	79.0	77.7	80.0	69.7	74.0	66.3	70.0	62.6	66.0	74.9	78.0		
2023	Total	72.4	76.0	75.4	78.0	64.8	70.0	62.7	67.0	58.5	60.0	70.8	75.0		
	Male	69.7	74.0	73.2	76.0	61.1	65.0	59.9	64.0	55.0	56.0	67.3	71.0		
	Female	75.6	79.0	77.8	80.0	69.7	75.0	66.6	70.0	63.3	67.0	74.3	78.0		

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, 2013-2023

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
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
2022 Total	53.6	48.1	66.0	74.3	77.8	54.6
Male	59.9	53.9	73.4	79.6	83.8	62.5
Female	45.9	41.3	56.1	67.2	69.7	47.1
2023 Total	54.9	49.6	67.3	75.2	79.2	56.9
Male	61.2	55.2	74.9	81.2	86.2	63.7
Female	47.4	43.1	57.6	66.8	69.6	50.1

Note: ^a Based on updated expected years of life at birth for all U.S. residents (78.4 years in 2023).

**TABLE 2D-3
MEDIAN AGE AT DEATH FOR LEADING CAUSES OF MORTALITY BY GENDER, RACE/ETHNICITY, AND
URBAN/RURAL AREAS^a, ARIZONA, 2023**

	ARIZONA			Area/gender				Race/ethnicity						
	Total	Male	Female	Total Urban	Urban Male	Urban Female	Total Rural	Rural Male	Rural Female	White Non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Total, all causes	76.0	74.0	79.0	76.0	74.0	79.0	75.0	74.0	78.0	78.0	70.0	67.0	60.0	75.0
Major cardiovascular diseases	80.0	77.0	83.0	81.0	78.0	83.0	78.0	76.0	82.0	81.0	76.0	71.0	69.0	79.5
Diseases of heart	80.0	78.0	83.0	81.0	78.0	84.0	78.0	76.0	81.0	81.0	76.0	70.0	69.0	79.0
Coronary heart disease	80.0	77.0	84.0	80.0	78.0	84.0	77.0	75.0	80.0	81.0	76.0	71.0	70.0	80.0
Malignant neoplasms	74.0	74.0	74.0	74.0	74.0	74.0	74.0	75.0	74.0	75.0	70.0	69.0	69.0	71.0
Lung cancer	75.0	74.0	75.0	75.0	75.0	75.0	73.0	74.0	73.0	75.0	73.0	71.0	73.5	68.0
Prostate cancer	80.0	80.0	0.0	80.0	80.0	0.0	81.0	81.0	0.0	80.0	80.0	75.0	77.0	79.0
Breast cancer	72.0	76.5	72.0	72.0	77.0	72.0	73.0	57.0	73.0	73.5	66.5	62.0	63.0	61.5
Colorectal cancer	73.0	71.0	74.0	72.0	71.0	74.0	75.0	74.0	75.0	74.0	67.0	68.0	69.0	62.0
Malignant melanoma of skin	73.0	73.0	73.0	73.0	72.5	73.5	73.0	73.0	63.0	74.0	55.0	61.0	57.0	0.0
Cerebrovascular diseases	81.0	79.0	83.0	81.0	79.0	83.0	80.0	78.0	82.0	82.0	78.0	75.0	74.0	78.0
Chronic lower respiratory diseases	79.0	78.0	79.0	79.0	78.0	79.0	79.0	78.0	79.0	79.0	78.5	71.5	75.0	75.0
Accidents (unintentional injuries)	54.0	50.0	62.0	53.0	50.0	63.0	55.0	53.0	61.0	61.0	41.0	41.5	41.0	54.0
Motor vehicle accidents	44.0	44.0	44.0	43.0	43.0	43.0	46.0	45.0	49.0	53.0	33.0	37.5	39.0	35.0
Falls	82.0	81.0	84.0	83.0	81.0	84.0	80.0	80.0	83.0	84.0	75.5	73.0	70.5	80.0
Accidental poisoning	42.0	42.0	44.0	42.0	42.0	44.0	42.0	41.0	44.0	46.0	38.0	39.0	37.0	45.5
Accidental drowning	42.0	38.5	54.0	37.0	38.0	33.5	61.0	59.0	69.5	56.0	30.0	18.0	48.0	69.0
Influenza and pneumonia	76.0	74.0	76.0	76.0	75.0	76.0	74.0	73.0	79.0	77.0	71.0	71.0	70.0	81.0
COVID-19	80.0	79.5	81.0	80.0	80.0	81.0	79.0	78.0	80.0	80.0	78.0	73.0	74.0	81.0
Alzheimer's disease	85.5	84.0	87.0	85.0	84.0	87.0	86.0	84.0	87.0	85.0	86.0	84.0	83.0	85.0
Diabetes	72.0	71.0	74.0	71.0	70.0	74.0	74.0	73.0	74.0	74.0	70.0	64.0	66.0	76.0
Intentional self-harm (suicide)	47.0	47.0	46.0	47.0	46.5	47.0	47.0	52.0	41.5	55.0	34.0	34.0	30.0	38.0
Chronic liver disease and cirrhosis	61.0	61.0	60.0	61.0	61.0	61.0	60.0	61.0	58.0	63.0	60.0	62.0	49.0	67.0
Nephritis, nephrotic syndrome and nephrosis	75.0	73.0	76.5	74.0	73.0	76.0	76.0	74.0	77.0	77.5	71.0	71.0	68.0	73.0
Septicemia	74.0	73.0	75.0	74.0	73.0	75.0	75.0	74.0	76.5	76.0	69.0	66.0	67.0	69.5
Assault (homicide)	34.0	33.0	37.0	33.0	32.0	36.0	37.0	35.0	43.5	44.0	30.5	31.0	33.0	43.0
Parkinson's disease	81.0	81.0	81.0	81.0	81.0	81.0	82.0	82.0	82.0	82.0	79.5	81.0	82.0	80.0
Essential (primary) hypertension and hypertensive renal disease	80.0	76.0	83.0	80.0	77.0	83.0	77.0	73.5	82.0	81.0	76.0	75.0	73.0	82.0
Human immunodeficiency virus (HIV) disease	56.0	56.0	52.0	56.0	57.0	52.0	53.0	52.0	85.0	58.0	51.0	61.5	52.0	47.5
Injury by firearms	42.0	42.0	42.0	41.0	41.0	41.0	53.0	55.0	48.0	55.0	31.0	31.0	31.0	39.0
Drug-induced deaths	43.0	42.0	45.0	43.0	42.0	45.0	42.0	40.0	45.0	47.0	38.0	40.0	36.0	44.0
Opioid-induced deaths	40.0	39.0	42.0	40.0	39.0	42.0	38.0	37.0	43.0	44.0	36.0	36.0	35.0	41.0
Alcohol-induced deaths	56.0	57.0	55.0	57.0	58.0	55.0	54.0	55.0	53.0	59.0	57.0	40.0	46.0	54.5

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, 2023

	ARIZONA			Area / gender						Race/ethnicity				
	Total	Male	Female	Urban	Urban Male	Urban Female	Total Rural	Rural Male	Rural Female	White Non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Total, all causes	54.9%	61.2%	47.4%	54.2%	60.7%	46.6%	57.1%	62.4%	50.1%	49.6%	67.3%	75.2%	79.2%	56.9%
Major cardiovascular diseases	43.6%	51.1%	34.4%	42.2%	49.7%	33.4%	49.0%	56.0%	38.8%	39.5%	53.9%	69.6%	68.1%	47.7%
Diseases of heart	43.7%	50.9%	34.0%	42.0%	49.3%	32.6%	50.1%	56.3%	40.1%	39.8%	54.5%	71.7%	67.5%	49.0%
Coronary heart disease	45.0%	52.3%	33.9%	42.9%	50.4%	32.2%	52.6%	58.8%	41.5%	41.3%	55.5%	70.9%	67.9%	48.2%
Malignant neoplasms	63.4%	63.2%	63.7%	63.2%	63.2%	63.2%	64.1%	63.0%	65.5%	60.6%	72.3%	75.2%	76.5%	69.8%
Lung cancer	62.6%	64.0%	61.1%	61.7%	63.4%	60.0%	65.6%	65.6%	65.5%	61.2%	67.9%	72.1%	65.0%	75.6%
Colorectal cancer	65.6%	69.8%	60.1%	66.2%	70.9%	60.1%	63.3%	65.8%	59.8%	62.6%	71.4%	78.5%	79.4%	72.0%
Breast cancer	68.8%	62.5%	68.9%	68.6%	57.1%	68.7%	69.2%	100.0%	69.0%	65.6%	76.4%	87.5%	79.2%	90.0%
Prostate cancer	43.0%	43.0%	0.0%	43.9%	43.9%	0.0%	40.4%	40.4%	0.0%	41.6%	43.5%	60.5%	52.6%	33.3%
Malignant melanoma of skin	65.9%	64.2%	69.0%	64.8%	64.5%	65.4%	69.6%	63.0%	78.9%	63.5%	91.7%	100.0%	66.7%	0.0%
Accidents (unintentional injuries)	81.5%	86.7%	70.0%	81.1%	86.8%	68.7%	82.1%	85.3%	74.5%	73.6%	92.1%	96.3%	95.6%	82.7%
Accidental poisoning	99.6%	99.6%	99.7%	99.8%	99.7%	99.8%	98.9%	98.9%	99.0%	99.3%	100.0%	100.0%	100.0%	100.0%
Falls	36.1%	41.6%	30.2%	35.1%	41.1%	29.1%	41.0%	43.9%	37.1%	30.7%	57.1%	53.3%	72.0%	47.4%
Motor vehicle accidents	91.8%	93.5%	87.2%	91.7%	93.6%	86.2%	92.1%	92.8%	90.4%	87.4%	95.5%	97.5%	98.4%	92.0%
Accidental drowning	89.2%	89.3%	88.9%	89.1%	88.4%	90.6%	88.9%	92.9%	75.0%	87.8%	92.3%	100.0%	83.3%	75.0%
Chronic lower respiratory diseases	47.7%	50.8%	45.3%	48.0%	51.5%	45.2%	46.9%	48.7%	45.3%	46.8%	48.0%	66.2%	57.1%	63.6%
Alzheimer's disease	19.8%	21.8%	18.6%	20.5%	22.7%	19.2%	16.4%	17.3%	15.9%	19.9%	19.1%	23.4%	19.4%	12.1%
Cerebrovascular diseases	40.1%	48.0%	33.6%	39.3%	47.4%	33.0%	43.4%	50.0%	36.5%	35.3%	50.9%	65.4%	63.9%	48.5%
Diabetes	69.0%	71.9%	64.4%	69.5%	72.5%	64.6%	67.3%	69.5%	63.9%	64.2%	72.8%	85.3%	82.6%	59.3%
Intentional self-harm (suicide)	90.0%	89.1%	93.6%	90.9%	90.2%	93.4%	87.6%	86.0%	94.3%	86.2%	98.4%	100.0%	100.0%	100.0%
Chronic liver disease and cirrhosis	90.3%	91.5%	88.7%	88.8%	90.2%	86.8%	94.0%	94.4%	93.3%	88.4%	91.7%	80.8%	96.4%	78.9%
Essential (primary) hypertension and hypertensive renal disease	44.2%	55.3%	33.8%	43.0%	53.5%	33.4%	50.3%	64.3%	35.1%	39.6%	53.2%	56.5%	77.4%	37.0%
Influenza and pneumonia	55.9%	57.7%	53.7%	56.0%	57.0%	55.0%	55.1%	60.2%	48.9%	51.6%	65.6%	78.4%	63.2%	42.1%
COVID-19	43.1%	44.5%	41.3%	42.0%	43.0%	40.7%	46.9%	49.5%	43.2%	40.6%	50.0%	57.1%	62.5%	31.8%
Parkinson's disease	30.3%	31.0%	29.0%	30.6%	31.3%	29.2%	29.1%	29.3%	28.6%	29.4%	35.4%	35.3%	33.3%	33.3%
Nephritis, nephrotic syndrome and nephrosis	59.7%	64.0%	53.8%	59.8%	63.8%	54.3%	59.6%	65.0%	52.3%	51.0%	70.7%	76.8%	80.6%	56.0%
Septicemia	62.6%	67.8%	56.9%	63.8%	69.9%	57.2%	58.3%	61.0%	55.4%	54.4%	75.4%	84.8%	73.2%	66.7%
Assault (homicide)	97.7%	99.0%	92.5%	97.6%	99.2%	91.2%	98.6%	98.2%	100.0%	94.3%	99.5%	98.9%	98.7%	100.0%
Human immunodeficiency virus (HIV) disease	93.5%	95.3%	84.6%	94.2%	94.7%	91.7%	83.3%	100.0%	0.0%	94.6%	86.4%	100.0%	100.0%	100.0%
Injury by firearms	90.7%	90.3%	93.2%	92.0%	91.9%	92.9%	85.8%	84.6%	94.6%	85.2%	98.7%	100.0%	100.0%	100.0%
Drug-induced deaths	98.9%	99.4%	97.5%	99.0%	99.5%	97.7%	98.2%	98.9%	96.6%	98.0%	100.0%	100.0%	100.0%	100.0%
Opioid-induced deaths	99.5%	99.9%	98.3%	99.5%	99.8%	98.3%	99.6%	100.0%	98.5%	99.0%	100.0%	100.0%	100.0%	100.0%
Alcohol-induced deaths	95.8%	95.6%	96.4%	95.5%	95.3%	95.8%	96.7%	96.1%	97.9%	94.6%	97.3%	100.0%	98.1%	92.9%

Notes: ^a Expected years of life at birth for all U.S. residents (78.4 years in 2023); ^b Urban = Maricopa, Pima, Pinal, and Yuma counties.

CHAPTER 3

REPORTABLE DISEASES, ARIZONA, 2013-2023

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

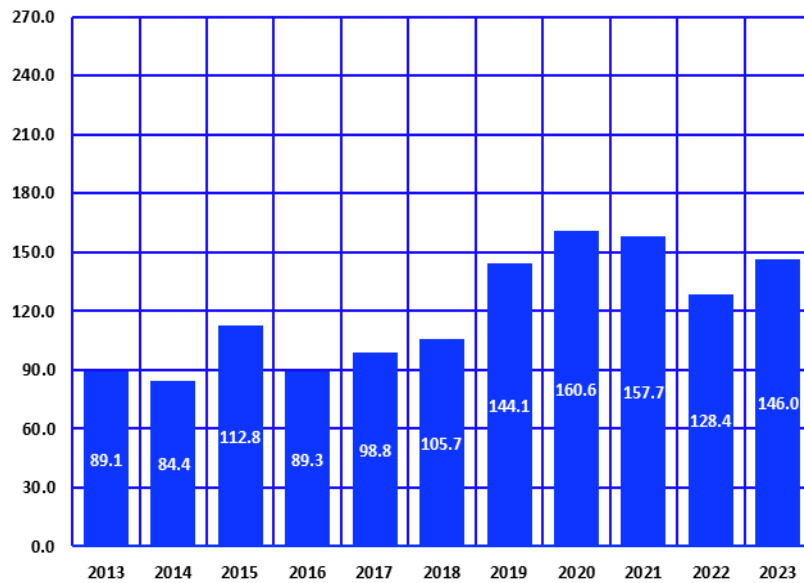
The infectious diseases designated as notifiable vary slightly by state. A notifiable disease is one for which regular, frequent, and timely information regarding individual cases is considered necessary for the prevention and control of the disease. All states generally report the internationally quarantinable 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, 2013-2023

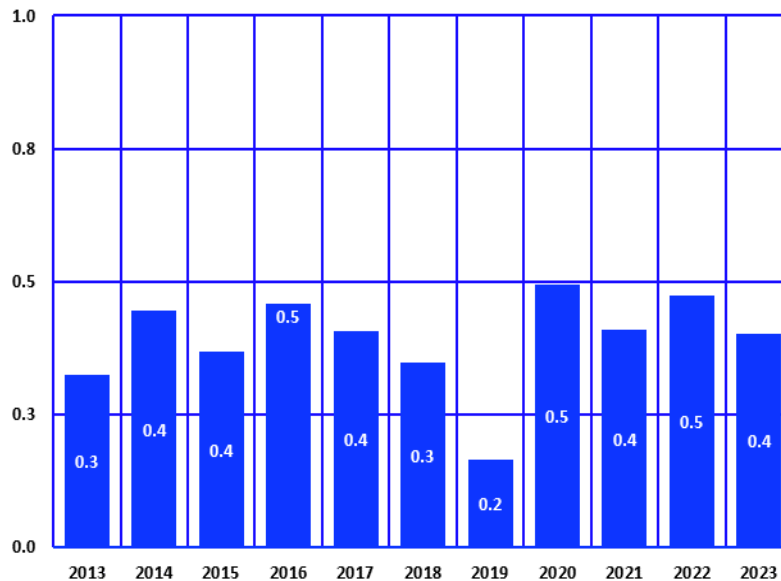


Note: ^a Number of cases per 100,000 population.

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 2023. The reported incidence of Valley Fever increased 15.5 percent from 2022 (n=9,515) to (n=10,990) in 2023. The 2023 incidence rate of 146.0/100,000 (**Figure 3A-1, Table 5F-2**) was 13.7 percent higher than the incidence rate of 128.4/100,000 in 2022, but was 63.9 percent higher than the unprecedented incidence rate of 89.1/100,000 in 2013.

Figure 3A-2
Trends in Case Fatality Rates^a for Valley Fever (Coccidioidomycosis)
by Year, Arizona, 2013-2023



Note: ^a Number of deaths per 100 reported cases.

Forty-four of the 10,990 Arizonans who had *Valley Fever* in 2023 died from it (**Table 3A-2**) for a case fatality rate of 0.4 deaths per 100 cases (**Figure 3A-2**). The 2023 case fatality rate for *Coccidioidomycosis* was 23.5 percent higher than in 2013.

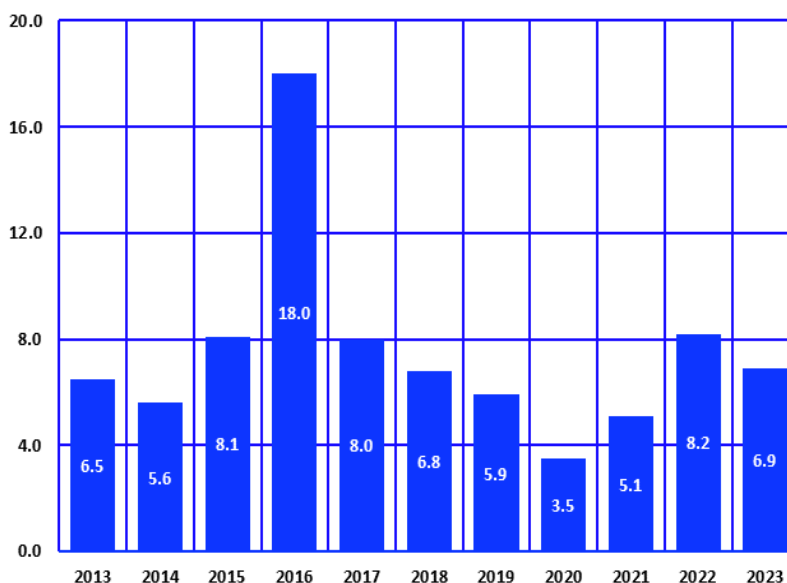
3A. NON-SEXUALLY TRANSMITTED DISEASES

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 2013–2023, *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 decreased by 88 cases from 604 in 2022 to 516 in 2023. Compared to 2022, the incidence rate of *shigellosis* was 15.9 percent lower at approximately 7 reported cases/100,000 population in 2023 (**Figure 3A-3**).

Figure 3A-3
Trends in the Incidence Rates^a of Shigellosis by Year,
Arizona, 2013-2023

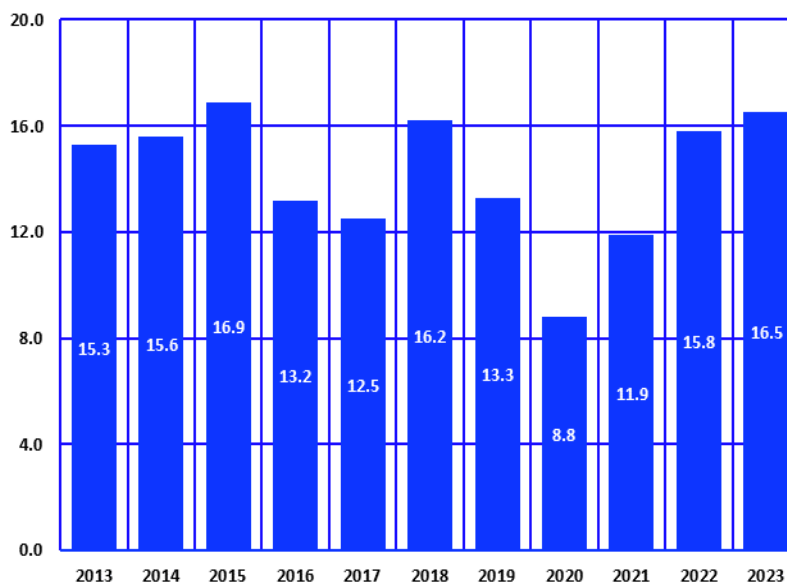


Note: ^a Number of reported cases per 100,000 population.

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 4.4 percent from 15.8/100,000 in 2022 to 16.5/100,000 in 2023 (**Figure 3A-4**). The risk of *salmonellosis* was substantially higher in Graham (65.6/100,000), Santa Cruz (48.0/100,000), Navajo (40.1/100,000), Apache (29.9/100,000), and La Paz (29.6/100,000) than the remaining counties (**Table 5F-2**).

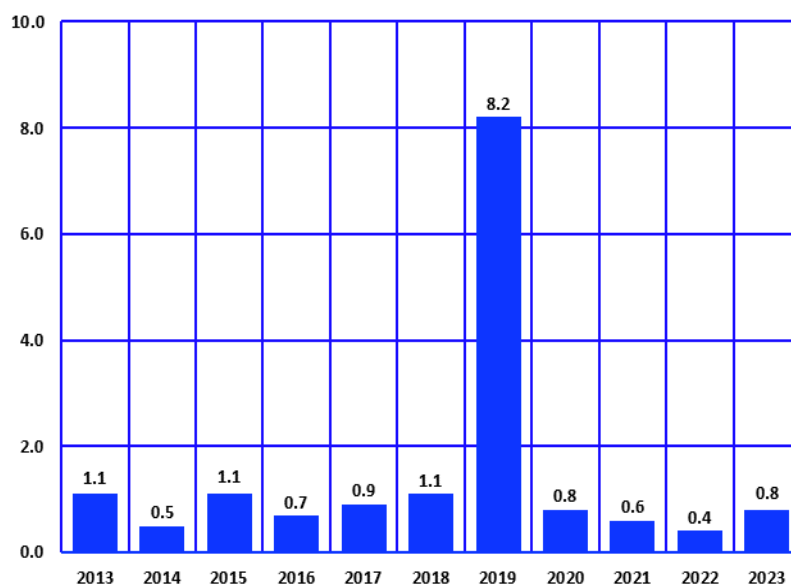
Figure 3A-4
Trends in the Incidence Rates^a of Salmonellosis^b by Year,
Arizona, 2013-2023



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, 2013-2023

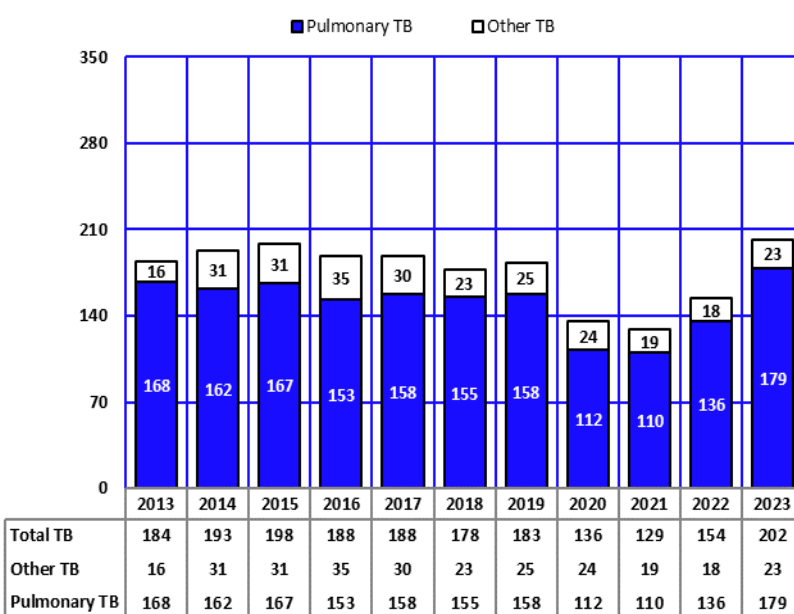


Note: ^a Number of reported cases per 100,000 population.

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 0.8/100,000 in 2023. The highest rate recorded during the 2013-2023 period was 8.2 in 2019. The 2023 incidence rate was approximately 10 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, 2013-2023



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* increased from 136 cases in 2022 to 179 reported cases in 2023. The number of reported cases of tuberculosis other than pulmonary increased from 18 in 2022 to 23 in 2023 cases (**Figure 3A-6, Table 3A-1**). The incidence rate of *total* tuberculosis increased from 2022 2.1/100,000 to 2.4/100,000 in 2023 (**Table 5F-2**).

Pulmonary tuberculosis accounted for 88.6 percent of all tuberculosis infections in 2023 (**Table 3A-1**). Ten Arizonans who had *tuberculosis* died from it in 2023, a decrease from 16 in 2021 (**Table 3A-2**).

**TABLE 3A-1
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY, ARIZONA, 2013-2023**

Disease	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Vaccine Preventable											
Measles	*	*	7	31	0	0	*	0	0	*	0
Mumps	*	12	*	7	34	15	103	10	*	*	6
Pertussis	1,440	517	580	287	420	239	379	331	188	106	344
Pertussis confirmed cases	(1,068)	(287)	(341)	(154)	(262)	(135)	(207)	(189)	(82)	(17)	(176)
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	*	*	0
Tetanus	0	0	*	*	0	0	*	0	*	0	0
Varicella (chickenpox)	354	300	270	279	189	245	307	72	98	122	211
Central Nervous System											
Aseptic Meningitis	343	288	189	146	81	N/A	N/A	N/A	N/A	N/A	N/A
Meningococcal Disease	12	9	*	*	*	*	*	*	*	7	8
Viral Encephalitis	*	*	*	*	*	*	16	*	34	36	22
Enteritides											
Amebiasis	21	24	*	6	16	21	20	12	19	11	*
Campylobacteriosis	846	939	1,379	1,241	1,372	1,269	1,615	1,050	1,634	1,508	1,361
Cholera	0	0	0	0	0	*	0	0	0	0	0
Cryptosporidiosis	42	46	62	549	112	203	143	80	110	127	129
<i>E. coli</i> O157:H7	246	98	128	148	166	296	297	186	280	303	329
Giardiasis	115	119	143	125	145	149	143	84	91	113	160
Salmonellosis (exl. <i>S. Typhi</i> & <i>S. Paratyphi</i>)	1,007	1,040	1,143	899	874	1,149	954	631	868	1,173	1,242
<i>Salmonella</i> Paratyphi A	*	*	*	*	*	*	*	*	0	0	*
<i>Salmonella</i> Paratyphi B	*	*	16	0	0	0	0	0	0	0	*
<i>Salmonella</i> Paratyphi C	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	428	376	549	1,231	555	478	426	253	375	604	516
Typhoid Fever	12	*	*	9	*	9	7	*	7	*	7
Mycosis											
Coccidioidomycosis (Valley Fever)	5,861	5,624	7,622	6,101	6,885	7,478	10,358	11,523	11,489	9,515	10,990
Hepatitides											
Hepatitis A	73	35	72	46	61	80	590	59	45	29	61
Hepatitis B (acute)	50	38	43	16	41	30	49	33	25	38	37
Hepatitis D	0	*	0	0	0	*	0	0	*	0	0
Hepatitis E	0	*	0	0	*	0	*	*	*	*	*
Tuberculosis											
Pulmonary TB	168	162	167	153	158	155	158	112	110	136	179
Total TB	184	193	198	188	188	178	183	136	129	154	202

TABLE 3A-1 (continued)
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY, ARIZONA, 2013-2023

Disease	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Zoonoses/Vector-borne											
Brucellosis	*	6	*	*	8	*	*	6	*	*	*
Colorado Tick Fever	0	*	*	0	0	0	0	0	0	*	0
Dengue	*	91	24	14	*	10	18	*	8	18	31
Ehrlichiosis	*	*	*	*	*	*	*	0	*	8	9
Hantavirus Pulmonary Syndrome	*	*	*	*	*	0	0	*	0	*	6
Human Rabies	0	0	0	0	0	0	0	0	0	0	0
Lyme Disease	32	21	12	13	28	7	10	*	*	9	16
Malaria	33	25	14	38	26	24	30	12	26	26	51
Plague	0	0	*	0	*	0	0	*	0	0	0
Relapsing Fever, Tick-borne	*	12	*	*	*	*	*	0	0	*	0
Rocky Mountain Spotted Fever	63	16	17	23	27	38	48	35	16	38	48
St. Louis Encephalitis	0	*	23	0	6	0	9	6	12	17	0
Tularemia	0	0	*	*	*	0	*	*	0	*	*
West Nile Virus	62	108	103	78	110	27	174	11	1,710	60	82
Other											
Botulism	*	*	*	*	*	12	*	7	*	*	*
Legionellosis	69	59	93	76	74	83	93	90	112	123	115
Listeriosis	*	14	*	6	8	6	13	7	9	8	9
Methicillin Resistant <i>S. aureus</i> (invasive)	1,066	1,178	1,155	1,265	1,355	1,529	1,467	1,681	1,498	1,462	1,539
Streptococcal-Group A (invasive)	231	250	351	555	614	758	790	805	966	1,231	1,337
Streptococcal-Group B (invasive, age <90 d)	35	41	61	60	63	40	44	37	28	34	32
<i>Streptococcus pneumoniae</i> (invasive)	786	724	678	716	707	862	740	668	798	1,228	1,133
Toxic Shock Syndrome	*	6	*	*	0	*	0	*	0	*	*
<i>Vibrio</i> spp. (except toxogenic <i>V.cholerae</i>)	19	36	33	19	25	54	52	34	51	78	61
Yersiniosis (except <i>Y. pestis</i>)	9	*	12	14	20	11	58	53	72	106	108

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* 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 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. 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, 2013-2023

ICD-9/ICD-10 codes	Disease	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	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	*	0
049.9/A86	Viral encephalitis	*	*	*	*	*	*	*	*	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)	19	25	28	28	28	26	17	57	47	45	44
HEPATITIDES												
070.0-070.1/B15	Hepatitis A	*	*	0	0	0	0	6	0	*	0	0
070.2-070.3/B16	Hepatitis B	9	8	8	10	*	6	6	*	*	*	*
070.4-070.5/B17-B18	Other viral hepatitis	265	248	257	207	191	133	96	90	73	74	63
070.6-070.9/B19	Unspecified	*	*	*	0	*	*	*	*	*	*	*
TUBERCULOSIS												
010-011/A15-A16	Respiratory TB	11	6	9	6	7	*	*	11	8	7	6
010-018/A15-A19	Total TB	15	8	10	7	10	10	10	15	16	10	10
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	0
082/A77.0	Rocky Mountain Spotted Fever	*	0	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

Note: * Cell suppressed due to non-zero count less than 6.



3B.

SEXUALLY TRANSMITTED DISEASES

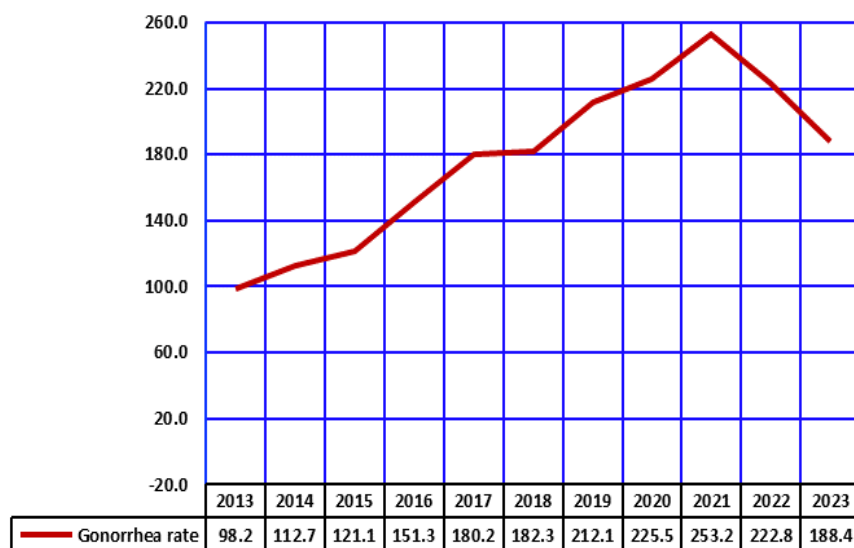
All states require that certain sexually transmitted diseases (STDs) be reported by physicians and other health care providers when they suspect that a case has occurred or they have laboratory confirmation.

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

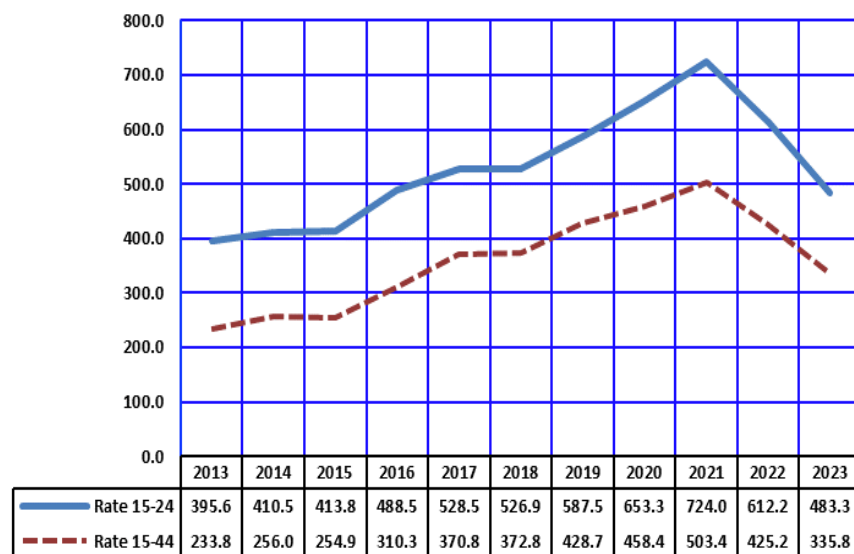
Figure 3B-1
Trends in the Incidence Rates^a of Gonorrhea by Year, Arizona, 2013-2023



Neisseria gonorrhoeae infection is the second most commonly reported notifiable disease in the United States. **(Figure 3B-1)**. Although there was a slight rate decrease in 2022 and 2023, the consistent steady increase in the incidence rate of gonorrhea since 2013 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, 2013-2023



The 2023 incidence rate for gonorrhea was 335.8 per 100,000 for Arizona females aged 15-44 years. Additionally, in 2023 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 483.3 per 100,000.

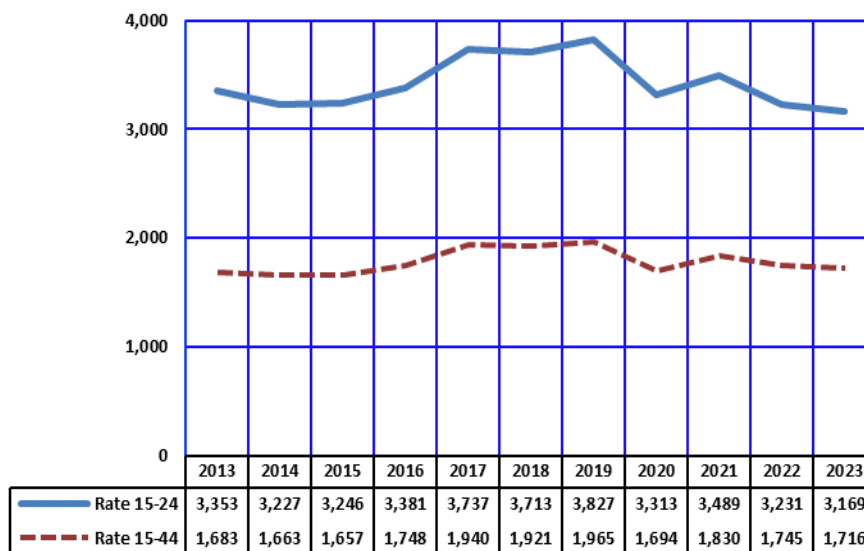
Notes: ^a Number of reported cases per 100,000 females

3B. SEXUALLY TRANSMITTED DISEASES

Figure 3B-3
Trends in the Incidence Rates^a of Chlamydia among Females 15-24
and 15-44 Years, Arizona, 2013-2023

Chlamydia trachomatis is the most prevalent bacterial sexually transmitted disease in the United States (1,648,568 cases in 2023*) 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 decreased in 2023 compared to 2022 from 1,745 per 100,000 females to 1,716 per 100,000 females within the age group.



*Most recent publication <https://www.cdc.gov/sti-statistics/annual/summary.html>

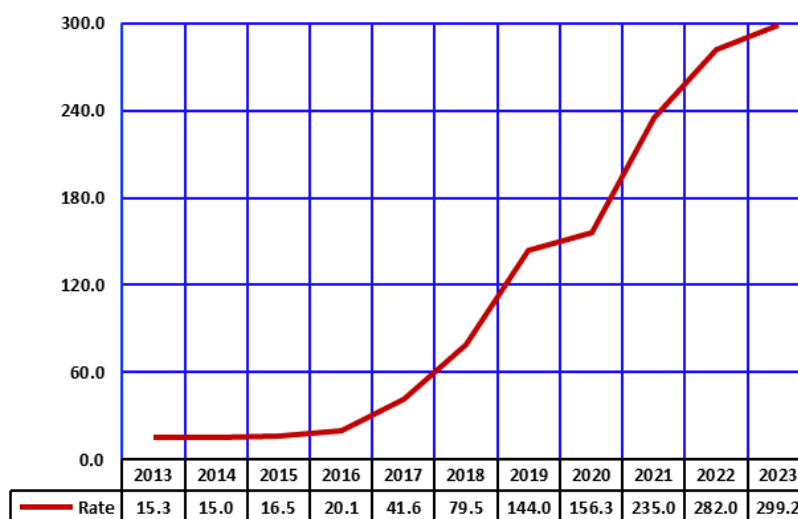
Notes: ^a Number of reported cases per 100,000 females

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 2013-2016. From 2013-2023, the incidence rate has been sharply increasing. In 2023, the rate was the highest recorded during the 11-year period at 299.2/100,000. (**Figure 3B-4**, **Table 6A-2**). The 2023 incident rate was 19.6 times more than 2013.

Figure 3B-4
Trends in the Incidence Rates^a of Congenital Syphilis by Year,
Arizona, 2013-2023



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, 2013-2023**

Disease	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Gonorrhea	6,505	7,585	8,270	10,330	12,514	12,903	15,249	16,180	18,446	16,508	14,181
Gonococcal PID^a	0	0	0	0	*	17	18	27	14	13	12
Resistant Gonorrhea^b	0	*	0	0	0	0	0	0	0	0	0
Syphilis (P & S)^c	290	572	590	721	943	1,052	1,297	1,442	1,981	2,153	1,794
Syphilis-Total^d	966	1,450	1,482	1,907	2,427	3,261	4,049	4,430	6,330	7,500	7,692
Chlamydia	30,923	31,750	32,511	34,923	39,635	40,866	43,219	36,977	41,517	40,816	41,073

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 Epidemiology and Disease Control, Office of STI Control.

**TABLE 3B-2
NUMBER OF DEATHS ASSOCIATED WITH SPECIFIED SEXUALLY TRANSMITTED DISEASES BY CATEGORY AND YEAR,
ARIZONA, 2013-2023**

Disease	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Gonococcal infections	0	0	0	0	0	0	0	0	*	0	0
Syphilis-Total	*	*	0	*	*	*	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, 2023

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	*	0	0†	*	*	0	10†	0	0	0	0
5-9	0	*	0	0†	0	*	0	0†	0	0	0	0
10-14	*	31	0	40†	26	151	0	177	*	*	0	0†
15-19	759	927	*	1,689	2,340	6,131	12	8,483	60	59	0	119
20-24	1,797	1,427	*	3,228	4,425	9,306	18	13,749	274	178	0	452
25-29	1,781	984	6	2,771	3,186	4,751	8	7,945	413	198	0	611
30-34	1,727	736	0	2,463	2,185	2,615	9	4,809	566	231	0	797
35-39	1,087	500	*	1,588	1,260	1,338	*	2,602	348	160	0	508
40-44	718	285	*	1,004	731	690	*	1,423	268	107	0	375
45-49	379	165	0	544	417	360	*	778	188	56	0	244
50-54	262	94	0	356	312	211	0	523	168	34	0	202
55-59	213	46	0	259	186	113	0	299	129	24	0	153
60-64	136	29	0	165	117	51	*	169	91	*	0	90†
65-over	65	9	*	77	84	19	*	106	59	*	0	60†
Total	8,930†	5,240†	20†	14,180†	15,270†	25,740†	60†	41,070†	2,570†	1,060†	0	3,620†

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, 2023

Age group	GONORRHEA			CHLAMYDIA			EARLY SYPHILIS		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
0-4	0.0	**	**	**	**	2.1	0.0	0.0	0.0
5-9	0.0	**	**	0.0	**	**	0.0	0.0	0.0
10-14	**	13.0	7.2	10.5	63.5	36.5	**	**	**
15-19	303.7	388.0	345.5	936.2	2565.9	1735.2	24.0	24.7	24.3
20-24	680.8	575.1	630.4	1676.5	3750.7	2685.1	103.8	71.7	88.3
25-29	637.2	381.5	515.6	1139.9	1842.0	1478.4	147.8	76.8	113.7
30-34	656.8	300.2	484.8	831.0	1066.7	946.5	215.3	94.2	156.9
35-39	444.6	213.0	331.4	515.3	570.1	543.0	142.3	68.2	106.0
40-44	318.6	128.3	224.3	324.3	310.6	317.9	118.9	48.2	83.8
45-49	173.6	74.7	123.8	191.0	162.9	177.1	86.1	25.3	55.5
50-54	122.6	42.9	82.3	146.0	96.3	120.8	78.6	15.5	46.7
55-59	96.6	19.6	56.9	84.3	48.1	65.7	58.5	10.2	33.6
60-64	63.6	12.2	36.5	54.8	21.4	37.4	42.6	**	20.8
65-over	10.2	1.2	5.5	13.1	2.5	7.6	9.2	**	4.5
Total	238.9	138.2	188.4	408.7	679.5	545.8	68.6	27.9	48.1

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 2023; 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, 2023**

Race/ethnicity	SYPHILIS						GONORRHEA						CHLAMYDIA		
	Early			Late			Resistant			Total			Cases	%	Rate
	Cases	%	Rate	Cases	%	Rate	Cases	%	Rate	Cases	%	Rate			
White Non-Hispanic	925	25.5	22.4	705	19.9	17.0	0	0.0	0.0	2,963	20.9	71.6	6,573	16.1	158.9
Black or African American	404	11.2	103.9	391	11.0	100.5	0	0.0	0.0	2,186	15.4	562.0	3,706	9.1	952.8
Hispanic or Latino	1,486	41.0	61.9	1,440	40.6	60.0	0	0.0	0.0	4,442	31.3	185.1	11,683	28.6	486.9
Asian or Pacific Islander	53	1.5	17.6	35	1.0	11.6	0	0.0	0.0	158	1.1	52.3	411	1.0	136.2
American Indian or Alaska Native	515	14.2	173.1	624	17.6	209.7	0	0.0	0.0	1,012	7.1	340.1	2,341	5.7	786.8
Multi-racial	121	3.3	N/A	86	2.4	N/A	0	0.0	0.0	348	2.5	N/A	564	1.4	N/A
Not Specified	117	3.2	N/A	264	7.4	N/A	0	0.0	N/A	3,072	21.7	N/A	15,538	38.1	N/A
Total	3,621	100.0	48.1	3,545	100.0	47.1	0	N/A	N/A	14,181	100.0	188.4	40,816	100.0	542.4

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 2023; rates per 100,000 population.

Source: Arizona Department of Health Services, Bureau of Infectious Disease and Services, Office of STI Control.



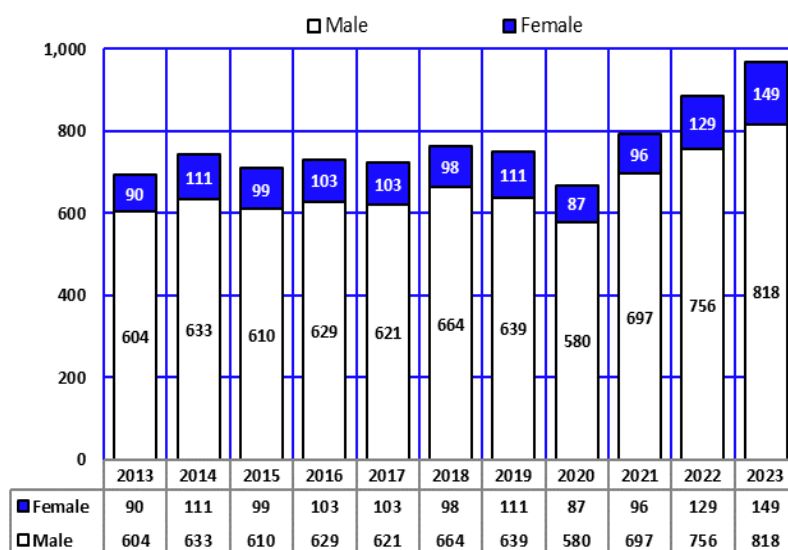
3C.

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 1981-2023, as provided by the Bureau of Infectious Disease and Services, Office of HIV Care and Surveillance, 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 Care and Surveillance. 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, 2013-2023

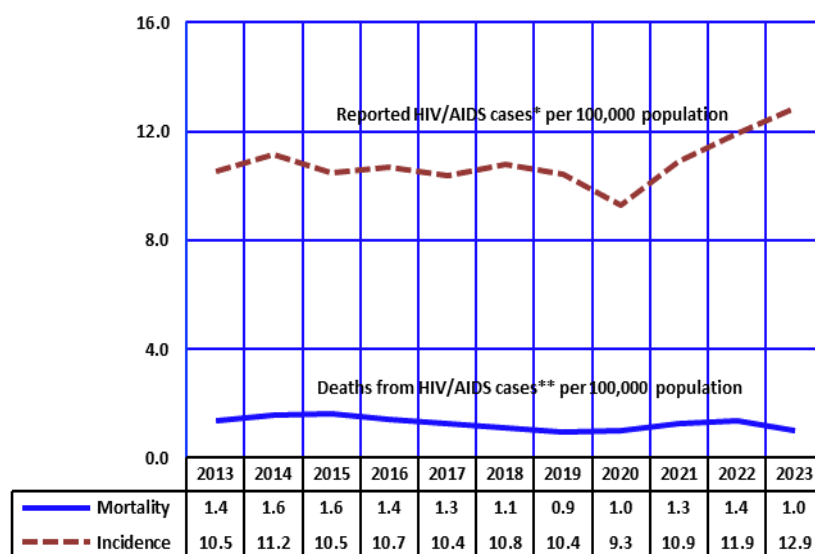


Since the first case of AIDS diagnosed in an Arizona resident in 1981, a total of 26,857 cases of HIV/AIDS had been diagnosed in the State by the end of 2023 and reported by December 13, 2024 (**Table 3C-1**).

In 2023, males accounted for 84.6 percent of all *HIV/AIDS* diagnoses. The male-to-female ratio of *HIV/AIDS* diagnoses in Arizona in 2023 was 5.5:1 (818/149; **Figure 3C-1, Table 3C-2**).

The proportion of risk behaviors attributed to emerging cases of HIV/AIDS in 2023 remained similar to previous years. Of the 967 *HIV/AIDS* cases diagnosed in 2023, 522 were among men who reported sexual contact with other men (**Table 3C-4**). Another 58 reported heterosexual contact. An additional 46 reported only injecting drugs. Adults without an indicated risk accounted for 300 of HIV/AIDS cases diagnosed in 2023.

Figure 3C-2
Trends in the Incidence Rates of HIV/AIDS and Mortality Rates for HIV Disease
by Year, Arizona, 2013-2023



The incidence rate measures the relative risk for HIV/AIDS in a population. The incidence rate of HIV/AIDS has increased in Arizona by 22.9 percent from 10.5 cases per 100,000 population in 2013 to 12.9/100,000 in 2023 (**Figure 3C-2**; the incidence rates for 2013 – 2023 have been re-computed based on the latest volume of the HIV/AIDS data as of 12/13/2024).

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, 1.3 in 2021, 1.4 in 2022, then decreased again to 1.0 in 2023 (**Figure 3C-2**).

Of the 967 *HIV/AIDS* cases diagnosed in 2023, 282 were White non-Hispanic, 416 were Hispanic, 167 were Black, 54 were American Indian, and 23 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, 1981-2023**

Age Group (years)	HIV/AIDS cases
Under 5	128
5-12	48
13-19	723
20-29	8,442
30-39	9,879
40-49	4,606
50 or above	3,031
Missing	0
Total	26,857

**TABLE 3C-2
HIV/AIDS CASES AND DEATHS BY YEAR OF DIAGNOSIS AND GENDER,
ARIZONA, 1981-2012 and 2013-2023**

	1981-2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
# Males	16,095	604	633	610	629	621	664	639	580	697	756	818
# Females	2,335	90	111	99	103	103	98	111	87	96	129	149
# Total	18,430	694	744	709	732	724	762	750	667	793	885	967
# Presumed Living	10,330	603	652	619	653	653	706	713	618	741	828	933
# Known dead	8,098	91	92	90	79	71	56	37	49	52	57	34
% Mortality	43.9	13.1	12.4	12.7	10.8	9.8	7.3	4.9	7.3	6.6	6.4	3.5

Note: Due to reporting delays, all numbers are provisional (2023 volume as of 12/13/2024).

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, 1981-2012 AND 2013-2023

Race/ethnicity	1981-2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
White non-Hispanic	10,619	273	264	243	243	245	245	241	234	244	262	282
Black or African American non-Hispanic	1,878	114	128	126	136	112	124	124	98	124	153	167
Hispanic or Latino all races	4,713	241	269	254	281	294	321	320	269	361	390	416
Asian or Pacific Islander non-Hispanic	173	9	17	23	15	22	20	15	18	12	28	23
American Indian or Alaska Native non-Hispanic	672	46	55	51	52	45	41	39	36	41	44	54
Two or more races/ other or unknown race	375	11	11	12	*	6	11	11	12	11	8	25
Total	18,430	694	744	709	730†	724	762	750	667	793	885	967

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 (2023 volume as of 12/13/2024).

TABLE 3C-4
DISTRIBUTION OF REPORTED HIV/AIDS CASES BY YEAR OF DIAGNOSIS AND TRANSMISSION CATEGORY,
ARIZONA, 1981-2012 AND 2013-2023

Transmission	1981-2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
MSM	10,819	426	468	419	448	446	485	446	384	456	498	522
IV Drug User (IDU)	2,307	52	53	52	53	36	47	49	41	26	34	46
MSM/IDU	1,950	37	45	52	34	40	36	44	48	47	51	34
Hemophilic (Adult)	71	0	0	0	0	0	0	0	0	0	0	0
Heterosexual Contact	1,747	71	74	78	63	62	52	64	42	63	35	58
Transfusion/transplant (Adult)	93	0	0	0	0	0	0	0	0	0	0	0
No indicated risk (Adult)	1,284	101	100	103	132	135	135	144	151	192	261	300
Pediatric Hemophilic	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+	129	6	*	*	*	*	7	*	*	9	6	7
Pediatric (no indicated risk)	10	*	0	*	0	*	0	0	0	0	0	0
Child other risk	*	0	*	0	0	0	0	0	0	0	0	0
Total	18,430†	690†	740†	710†	730†	720†	762	750†	670†	793	885	967

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 (2023 volume as of 12/13/2024).

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:

2023 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."

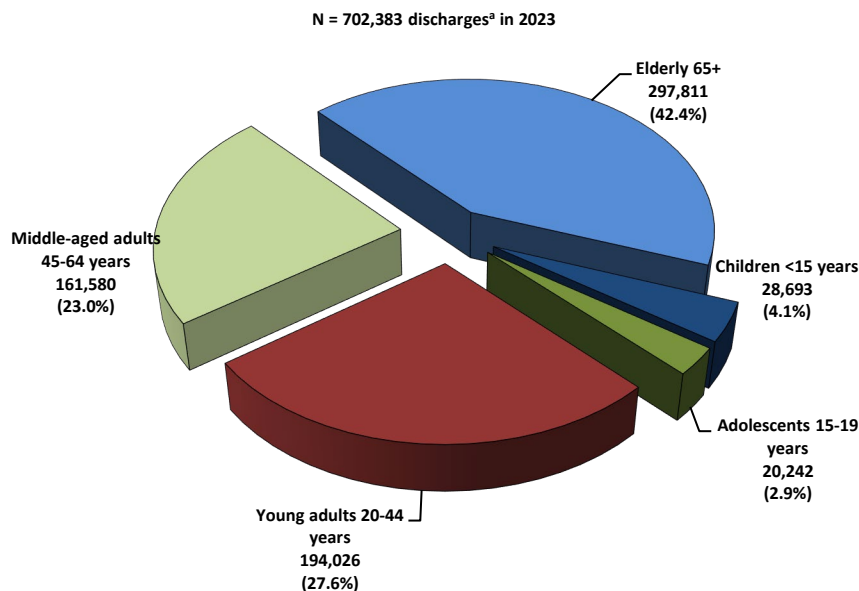
The change in the Arizona reporting requirements increased the number of diagnoses that are coded for each discharge from nine to twenty-five. In this section, discharges are presented by principal diagnosis, which is the first one listed on the discharge summary of the medical record. The number of 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 https://archive.cdc.gov/www_cdc.gov/nchs/nhds/index.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, 2023

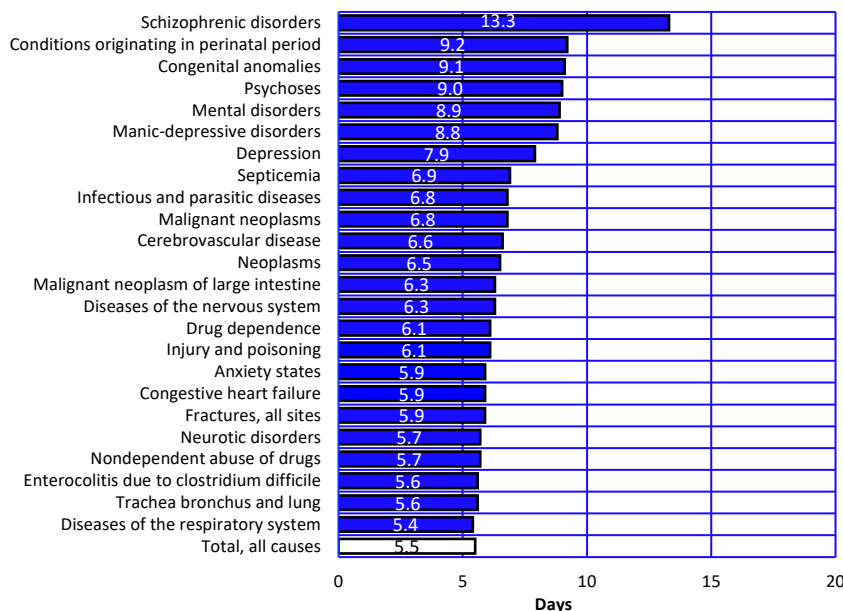


Note: ^a Excluding newborn infants.

In 2023, there were 702,383 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 42.4 percent of hospital discharges (**Figure 4A-1**), followed by young adults (20-44 years old) who comprised 27.6 percent of discharges, and middle-aged adults (45-64 years old) with 23.0 percent of all inpatient discharges.

Diseases of the circulatory system were the most common diagnoses (15.0 percent of all discharges), followed by *mental disorders* (11.2 percent), and *injury and poisoning* diagnoses (10.6 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, 2023



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 2012. 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.

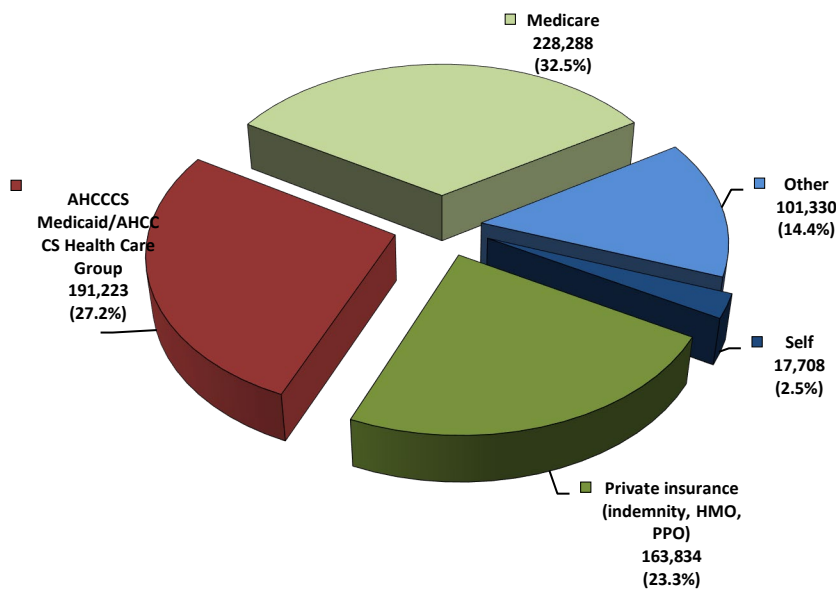
In 2023, the average length of hospital stay for Arizona inpatients was 5.5 days (**Figure 4A-2, Table 4A-5**).

The top five conditions with the longest length of inpatient stay was: *Schizophrenic disorders* (13.3 days), *conditions originating in perinatal period* (9.2 days), *congenital anomalies* (9.1 days), *psychoses* (9.0 days), and *mental disorders* (8.9 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, 2023

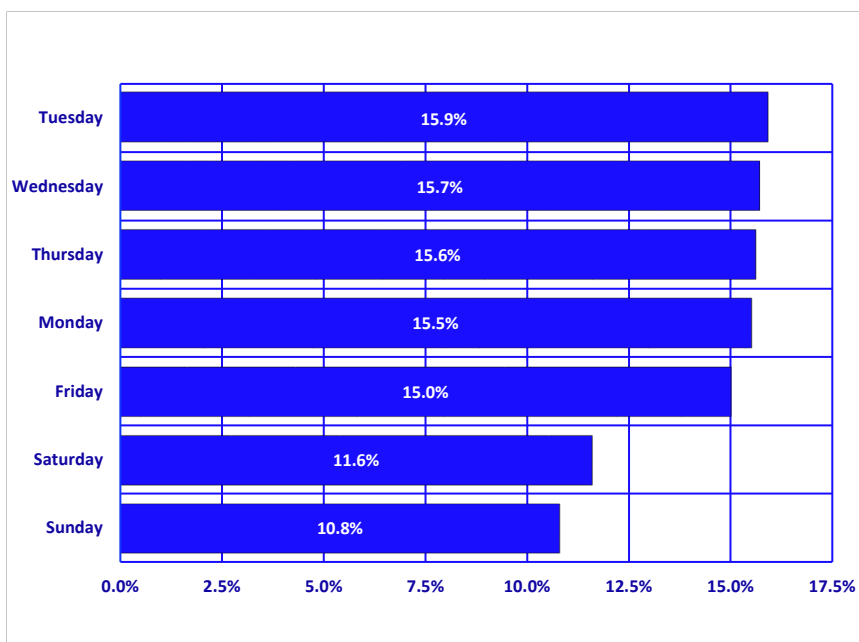
Medicare paid for 32.5 percent of all discharges (**Figure 4A-3**) and 67.3 percent of inpatient discharges of persons aged 65 years or older (**Table 4A-4**). The Arizona Health Care Cost Containment System (AHCCCS; the State's Medicaid Program) was the second most frequently recorded expected source of payment, accounting for 27.2 percent of inpatient discharges. Private insurance accounted for 23.3 percent of hospital inpatient discharges.



Note: The Arizona Health Care Cost Containment System is the State's Medicaid Program.

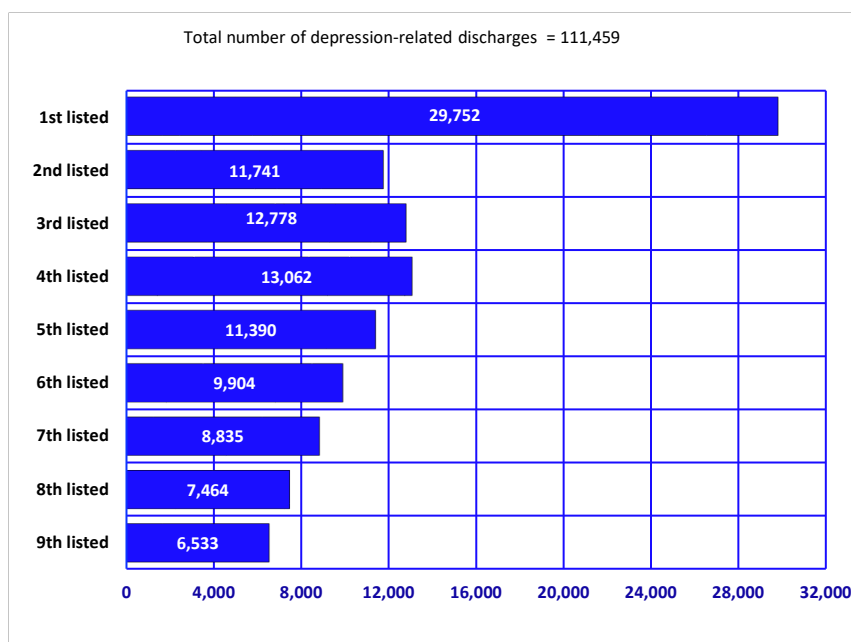
Figure 4A-4
Percent of Hospital Inpatient Admissions by Day of the Week, Arizona Residents, 2023

The rhythm of hospital births by day of the week (see **Figure 1B-14**) reveals that the daily average of resident live births in 2023 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, 2023

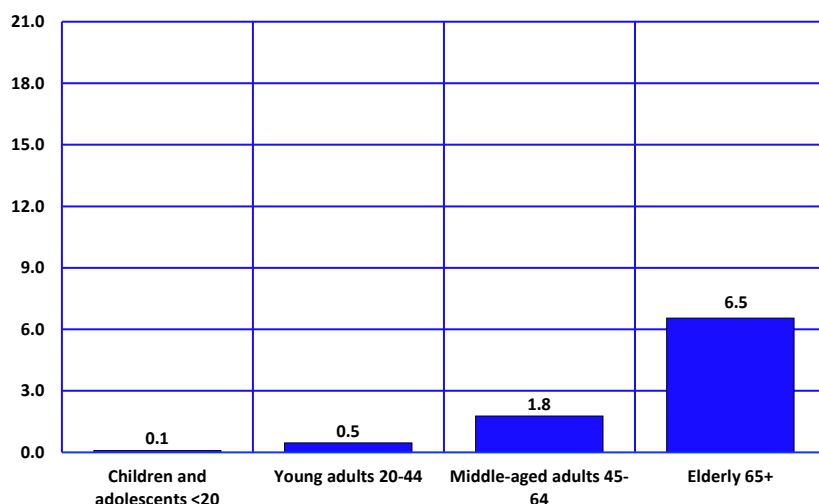


In 2023, *depression* accounted for 26,476 inpatient discharges and 3,275 emergency room visits as the first-listed diagnosis (for a total of 29,751 hospital encounters; **Figure 4A-5, Table 4A-1, Table 7C-1**).

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 111,459 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, 2023



Note: Number of visits per 10,000 population

In 2023, 1,358 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 (6.5/10,000) was the highest of all age groups (**Figure 4A-6**).

In 2023, 106 Arizonans died from enterocolitis due to *Clostridium difficile*. Elderly 65 years or older accounted for 82.1 percent of these deaths (**Table 2C-27**).

**TABLE 4A-1
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023**

Category of first-listed diagnosis	Total	Age group				
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years
All categories	702,383	28,693	20,242	194,026	161,580	297,811
Infectious and parasitic diseases						
Septicemia	71,961	1,129	646	12,053	20,811	37,320
Enterocolitis due to <i>Clostridium difficile</i>	65,702	506	498	10,842	19,214	34,640
Neoplasms	1,358	9	7	116	315	911
Malignant neoplasms	23,170	385	196	2,441	7,306	12,842
Large intestine	19,597	317	158	1,659	6,006	11,457
Prostate	2,850†	0	*	178	992	1,673
Trachea bronchus and lung	450†	*	0	*	129	315
Breast	2,210†	*	*	57	533	1,613
Benign neoplasms	1,080†	0	*	249	553	278
Endocrine nutritional metabolic and immunity diseases	2,756	47	31	660	1,038	980
Diabetes mellitus	32,103	1,438	623	7,935	10,610	11,496
Volume depletion	14,696	474	393	3,719	5,501	4,609
Morbid obesity	1,608	450	46	135	241	735
Diseases of the blood and blood forming organs	4,380†	*	28	2,443	1,617	286
Mental disorders	6,313	537	244	1,227	1,341	2,964
Psychoses	78,739	5,935	8,926	39,029	18,918	5,931
Alcoholic psychoses	44,953	1,540	3,303	24,006	12,281	3,823
Drug psychoses	6,310†	*	26	3,184	2,499	597
Schizophrenic disorders	938	8	74	607	206	43
Manic-depressive disorders	10,247	15	238	6,241	3,311	442
Neurotic disorders	43,054	5,329	7,336	19,355	8,498	2,536
Anxiety states	16,018	721	1,078	7,493	5,089	1,637
Depression	1,061	68	139	462	253	139
Drug dependence	26,476	3,130	4,758	11,700	5,183	1,705
Nondependent abuse of drugs	3,530†	*	143	2,531	710	148
Alcohol dependence	250†	*	17	141	74	19
Diseases of the nervous system	8,140†	*	33	4,145	3,159	804
Diseases of the eye and adnexa	18,843	1,026	432	3,561	4,585	9,238
Diseases of the ear and mastoid process	662	99	13	115	185	250
Diseases of the circulatory system	760	146	15	107	166	326
Heart disease	105,349	272	219	6,005	26,773	72,079
Acute myocardial infarction	70,285	130	121	3,504	17,345	49,185
Coronary arteriosclerosis	12,410†	0	*	540	4,066	7,806
	5,450†	*	0	95	1,628	3,728

TABLE 4A-1 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023

Category of first-listed diagnosis	Total	Age group				
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years
Other ischemic heart disease	450†	0	*	32	179	240
Cardiac dysrhythmias	15,693	57	34	546	2,804	12,252
Cardiac arrest	330†	11	*	39	108	168
Congestive heart failure	2,038	23	10	304	602	1,099
Cerebrovascular diseases	23,378	73	42	1,110	5,926	16,226
Diseases of the respiratory system	43,652	6,900	641	3,992	9,282	22,834
Acute bronchitis and bronchiolitis	1,887	1,458	6	43	100	280
Pneumonia	12,218	759	89	881	2,590	7,899
Chronic bronchitis	4,370†	0	*	77	1,346	2,943
Asthma	2,507	940	93	620	497	357
COVID-19	7,368	443	29	269	1,027	5,600
Diseases of the digestive system	62,569	1,813	902	12,404	19,017	28,433
Appendicitis	2,630	542	197	747	599	545
Noninfectious enteritis and colitis	4,931	219	147	1,053	1,213	2,299
Diverticula of intestine	5,310†	*	*	658	1,577	3,073
Cholelithiasis	3,345	24	61	883	977	1,400
Diseases of the genitourinary system	29,125	730	322	4,242	7,207	16,624
Calculus of kidney and ureter	410†	*	9	86	133	182
Diseases of the skin and subcutaneous tissue	12,264	561	146	2,966	4,039	4,551
Cellulitis and abscess	8,671	280	74	2,009	2,857	3,450
Diseases of the musculoskeletal system	27,199	615	380	2,732	7,071	16,401
Osteoarthritis and allied disorders	3,650†	*	*	44	656	2,948
Invertebral disc disorders	2,260†	*	*	395	810	1,053
Congenital anomalies	2,398	1,213	208	366	334	277
Conditions originating in perinatal period	1,890†	1,885	0	*	*	0
Symptoms signs and ill-defined conditions	12,900	813	237	1,683	2,948	7,219
Injury and poisoning	74,699	1,944	1,986	13,894	17,640	39,213
Fractures, all sites	23,531	358	463	3,374	3,982	15,351
Fracture of neck of femur	7,651	25	24	196	733	6,673
Poisonings	4,731	304	501	1,951	1,164	807

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, 2023

Category of first-listed diagnosis	Total	Patient's gender		
		Male	Female	Unknown
All categories	702,383	322,855	379,392	136
Infectious and parasitic diseases	71,961	37,235	34,723	*
Septicemia	65,702	34,187	31,512	*
Enterocolitis due to <i>Clostridium difficile</i>	1,358	488	870	0
Neoplasms	23,170	11,437	11,733	0
Malignant neoplasms	19,597	10,227	9,370	0
Large intestine	2,845	1,558	1,287	0
Prostate	450†	448	*	0
Trachea bronchus and lung	2,211	1,044	1,167	0
Breast	1,082	40	1,042	0
Benign neoplasms	2,756	826	1,930	0
Endocrine nutritional metabolic and immunity diseases	32,103	15,305	16,798	0
Diabetes mellitus	14,696	8,881	5,815	0
Volume depletion	1,608	775	833	0
Morbid obesity	4,375	739	3,636	0
Diseases of the blood and blood forming organs	6,313	2,979	3,334	0
Mental disorders	78,739	43,936	34,786	17
Psychoses	44,953	26,630	18,315	8
Alcoholic psychoses	6,307	4,513	1,791	*
Drug psychoses	938	644	294	0
Schizophrenic disorders	10,247	6,715	3,532	0
Manic-depressive disorders	43,054	20,816	22,225	13
Neurotic disorders	16,018	9,828	6,183	7
Anxiety states	1,061	460	601	0
Depression	26,476	12,895	13,571	10
Drug dependence	3,533	2,520	1,013	0
Nondependent abuse of drugs	254	166	88	0
Alcohol dependence	8,143	5,794	2,347	*
Diseases of the nervous system	18,843	9,357	9,486	0
Diseases of the eye and adnexa	662	315	347	0
Diseases of the ear and mastoid process	760	354	406	0
Diseases of the circulatory system	105,349	59,966	45,378	*
Heart disease	70,285	41,369	28,912	*
Acute myocardial infarction	12,414	8,067	4,344	*
Coronary arteriosclerosis	5,453	3,939	1,514	0

TABLE 4A-2 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2023

Category of first-listed diagnosis	Total	Patient's gender		
		Male	Female	Unknown
Other ischemic heart disease	452	239	213	0
Cardiac dysrhythmias	15,693	8,678	7,015	0
Cardiac arrest	328	208	120	0
Congestive heart failure	2,038	1,197	841	0
Cerebrovascular diseases	23,378	12,263	11,114	*
Diseases of the respiratory system	43,652	21,902	21,745	*
Acute bronchitis and bronchiolitis	1,887	1,011	876	0
Pneumonia	12,218	5,811	6,407	0
Chronic bronchitis	4,367	1,953	2,414	0
Asthma	2,507	1,071	1,436	0
COVID-19	7,368	3,676	3,691	*
Diseases of the digestive system	62,569	30,018	32,549	*
Appendicitis	2,630	1,417	1,213	0
Noninfectious enteritis and colitis	4,931	1,945	2,986	0
Diverticula of intestine	5,313	2,414	2,899	0
Cholelithiasis	3,345	1,395	1,949	*
Diseases of the genitourinary system	29,125	13,505	15,618	*
Calculus of kidney and ureter	414	180	234	0
Diseases of the skin and subcutaneous tissue	12,264	6,968	5,295	*
Cellulitis and abscess	8,671	4,944	3,727	0
Diseases of the musculoskeletal system	27,199	12,689	14,509	*
Osteoarthritis and allied disorders	3,651	1,277	2,374	0
Invertebral disc disorders	2,264	1,135	1,129	0
Congenital anomalies	2,398	1,388	1,010	0
Conditions originating in perinatal period	1,888	1,009	879	0
Symptoms signs and ill-defined conditions	12,900	6,387	6,512	*
Injury and poisoning	74,699	39,663	34,940	96
Fractures, all sites	23,531	10,435	13,066	30
Fracture of neck of femur	7,651	2,791	4,857	*
Poisonings	4,731	2,387	2,339	*

Notes: * Cell suppressed due to non-zero count less than 6; ^a Excluding newborn infants.

**TABLE 4A-3
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2023**

Category of first-listed diagnosis	Total	Race/ethnicity					Refused /Unknown
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	
Total	702,383	32,486	15,637	42,220	131,696	473,078	7,266
Infectious and parasitic diseases	71,961	3,514	1,625	3,844	13,406	48,908	664
Septicemia	65,702	3,169	1,466	3,390	12,232	44,853	592
Enterocolitis due to <i>Clostridium difficile</i>	1,358	63	25	44	169	1,050	7
Neoplasms	23,170	618	703	1,151	3,665	16,779	254
Malignant neoplasms	19,597	501	581	890	3,036	14,384	205
Large intestine	2,845	80	84	107	428	2,122	24
Prostate	449	6	11	36	62	329	*
Trachea bronchus and lung	2,211	31	80	94	203	1,789	14
Breast	1,082	20	35	64	178	778	7
Benign neoplasms	2,756	99	103	228	495	1,795	36
Endocrine nutritional metabolic and immunity diseases	32,103	2,089	687	2,468	7,605	18,994	260
Diabetes mellitus	14,696	1,243	226	1,228	3,633	8,257	109
Volume depletion	1,608	71	42	108	306	1,067	14
Morbid obesity	4,375	98	100	424	1,651	2,059	43
Diseases of the blood and blood forming organs	6,313	237	198	1,036	979	3,800	63
Mental disorders	78,739	6,054	1,333	6,827	11,468	52,297	760
Psychoses	44,953	3,559	748	3,894	6,662	29,662	428
Alcoholic psychoses	6,307	890	70	267	827	4,211	42
Drug psychoses	940†	65	*	74	188	591	15
Schizophrenic disorders	10,247	512	181	1,405	1,598	6,447	104
Manic-depressive disorders	43,054	2,997	779	3,506	5,840	29,510	422
Neurotic disorders	16,018	2,067	220	860	2,198	10,530	143
Anxiety states	1,061	38	16	65	161	773	8
Depression	26,476	2,292	491	1,921	3,743	17,763	266
Drug dependence	3,533	200	84	310	881	2,044	14
Nondependent abuse of drugs	250†	72	*	23	25	131	*
Alcohol dependence	8,143	1,188	104	350	1,051	5,395	55
Diseases of the nervous system	18,843	789	356	1,151	2,855	13,472	220
Diseases of the eye and adnexa	662	35	15	33	142	427	10
Diseases of the ear and mastoid process	760	35	19	30	155	515	6
Diseases of the circulatory system	105,349	2,928	2,085	5,831	14,155	79,249	1,101
Heart disease	70,285	1,914	1,288	3,540	9,098	53,793	652
Acute myocardial infarction	12,414	399	263	508	1,884	9,182	178
Coronary arteriosclerosis	5,453	133	150	151	742	4,220	57

TABLE 4A-3 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2023

Category of first-listed diagnosis	Total	Race/ethnicity					Refused /Unknown
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	
Other ischemic heart disease	452	23	7	29	81	307	*
Cardiac dysrhythmias	15,693	303	241	409	1,452	13,150	138
Cardiac arrest	328	24	9	17	48	220	10
Congestive heart failure	2,038	101	51	144	250	1,477	15
Cerebrovascular diseases	23,378	562	516	1,294	3,230	17,444	332
Diseases of the respiratory system	43,652	1,826	872	2,623	6,979	31,056	296
Acute bronchitis and bronchiolitis	1,887	154	49	100	537	1,027	20
Pneumonia	12,218	504	276	601	1,567	9,203	67
Chronic bronchitis	4,367	40	46	232	363	3,671	15
Asthma	2,507	134	61	369	684	1,244	15
COVID-19	7,368	229	141	269	994	5,657	78
Diseases of the digestive system	62,569	3,454	1,235	2,796	11,872	42,660	552
Appendicitis	2,630	96	66	95	789	1,546	38
Noninfectious enteritis and colitis	4,931	126	89	261	689	3,729	37
Diverticula of intestine	5,313	156	83	205	851	3,971	47
Cholelithiasis	3,345	188	62	121	848	2,088	38
Diseases of the genitourinary system	29,125	1,154	620	1,641	5,091	20,389	230
Calculus of kidney and ureter	414	14	10	11	70	302	7
Diseases of the skin and subcutaneous tissue	12,264	732	143	642	1,979	8,687	81
Cellulitis and abscess	8,671	474	98	364	1,289	6,395	51
Diseases of the musculoskeletal system	27,199	911	554	1,219	3,319	20,922	274
Osteoarthritis and allied disorders	3,651	61	104	107	238	3,095	46
Invertebral disc disorders	2,264	58	42	102	273	1,767	22
Congenital anomalies	2,398	98	86	105	636	1,445	28
Conditions originating in perinatal period	1,888	166	74	117	567	924	40
Symptoms signs and ill-defined conditions	12,900	475	236	758	1,923	9,387	121
Injury and poisoning	74,699	3,627	1,247	3,464	11,585	53,582	1,194
Fractures, all sites	23,531	910	342	641	2,982	18,250	406
Fracture of neck of femur	7,651	172	104	120	736	6,461	58
Poisonings	4,731	262	53	373	883	3,084	76

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, 2023

Selected characteristics		Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
Total		702,383	17,708	163,834	191,223	228,288	101,330
Gender	Male	322,855	9,017	65,763	84,703	111,581	51,791
	Female	379,392	8,671	98,050	106,454	116,684	49,533
	Unknown	136	20	21	66	23	6
Age group	Children <15 years	28,693	790	9,293	17,745	39	826
	Adolescents 15-19 years	20,242	607	6,717	12,161	19	738
	Young adults 20-44 years	194,026	9,108	70,775	97,067	5,944	11,132
	Middle-aged adults 45-64 years	161,580	5,722	55,763	58,981	21,931	19,183
	Elderly 65+ years	297,811	1,455	21,286	5,266	200,354	69,450
	Unknown	30†	26	0	*	*	*
Race/ethnicity	White non-Hispanic	32,486	573	3,955	18,202	7,053	2,703
	Hispanic or Latino	15,637	364	5,727	3,608	3,951	1,987
	Black or African American	42,220	1,232	8,899	18,176	8,471	5,442
	American Indian or Alaska Native	131,696	5,520	28,716	58,866	23,383	15,211
	Asian or Pacific Islander	473,078	9,668	114,627	90,147	183,692	74,944
	Refused/Unknown	7,266	351	1,910	2,224	1,738	1,043
Patient's marital status	Single	300,112	9,924	67,711	140,165	51,166	31,146
	Married	270,095	5,938	81,209	31,555	108,587	42,806
	Separated	4,787	158	873	1,894	1,173	689
	Divorced	51,869	803	8,002	11,274	21,108	10,682
	Widowed	67,609	417	4,411	3,707	44,116	14,958
	Not Applicable	20†	*	*	15	0	*
	Unknown	7,890	467	1,626	2,613	2,138	1,046

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^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023

Category of first-listed diagnosis	All ages	Patient's age group					
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years	Unknown
All conditions	5.5	6.5	6.6	4.5	5.9	5.7	1.6
Infectious and parasitic diseases	6.8	6.8	5.9	6.2	7.2	6.9	2.0
Septicemia	6.9	10.3	6.5	6.2	7.3	6.9	2.0
Enterocolitis due to <i>Clostridium difficile</i>	5.6	4.9	4.7	4.3	5.3	6.0	0.0
Neoplasms	6.5	12.3	10.3	6.5	6.2	6.4	0.0
Malignant neoplasms	6.8	13.8	11.4	8.0	6.7	6.5	0.0
Large intestine	6.3	0.0	5.0	5.6	5.8	6.6	0.0
Prostate	3.1	5.0	0.0	1.5	2.3	3.4	0.0
Trachea bronchus and lung	5.6	2.0	3.6	7.9	5.4	5.6	0.0
Breast	4.1	0.0	7.0	3.9	3.6	5.2	0.0
Benign neoplasms	4.1	5.0	5.3	3.1	4.0	4.9	0.0
Endocrine nutritional metabolic and immunity diseases	4.2	4.1	3.3	2.9	4.5	5.0	10.0
Diabetes mellitus	5.0	3.0	2.5	3.5	5.5	6.0	0.0
Volume depletion	3.3	2.7	2.8	2.9	3.5	3.6	10.0
Morbid obesity	1.5	1.0	1.3	1.4	1.6	1.6	0.0
Diseases of the blood and blood forming organs	4.9	5.1	4.6	5.3	4.7	4.7	0.0
Mental disorders	8.9	11.2	10.0	8.1	8.8	10.8	0.0
Psychoses	9.0	13.3	10.9	8.3	8.7	10.8	0.0
Alcoholic psychoses	5.2	1.0	5.4	4.7	5.3	6.8	0.0
Drug psychoses	5.3	2.4	6.9	5.2	5.1	5.4	0.0
Schizophrenic disorders	13.3	29.7	15.3	12.8	13.2	19.5	0.0
Manic-depressive disorders	8.8	11.0	9.7	7.6	8.6	11.1	0.0
Neurotic disorders	5.7	9.1	9.9	4.7	5.4	6.5	0.0
Anxiety states	5.9	7.2	6.2	5.0	6.4	6.6	0.0
Depression	7.9	9.4	8.7	6.8	8.0	10.2	0.0
Drug dependence	6.1	2.0	14.7	5.6	6.1	6.8	0.0
Nondependent abuse of drugs	5.7	9.7	26.2	4.2	4.0	3.6	0.0
Alcohol dependence	5.1	4.5	6.0	4.7	5.3	6.6	0.0
Diseases of the nervous system	6.3	4.3	4.1	5.1	6.1	7.3	2.0
Diseases of the eye and adnexa	5.0	12.5	2.7	4.0	4.0	3.3	0.0
Diseases of the ear and mastoid process	3.2	2.5	2.1	3.5	3.7	3.1	0.0
Diseases of the circulatory system	5.0	11.0	6.9	5.2	5.3	4.9	17.0
Heart disease	4.5	14.8	6.9	4.9	4.8	4.4	0.0
Acute myocardial infarction	4.2	0.0	3.0	3.2	3.8	4.5	0.0
Coronary arteriosclerosis	4.9	126.0	0.0	4.5	4.9	4.8	0.0

TABLE 4A-5 (continued)
AVERAGE LENGTH OF STAY FOR DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023

Category of first-listed diagnosis	All ages	Patient's age group					
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years	Unknown
Other ischemic heart disease	2.2	0.0	1.0	2.4	1.8	2.5	0.0
Cardiac dysrhythmias	3.0	7.5	5.3	3.5	3.3	2.9	0.0
Cardiac arrest	5.4	21.6	4.0	7.7	4.6	4.3	0.0
Congestive heart failure	5.9	30.2	27.1	6.0	5.3	5.6	0.0
Cerebrovascular diseases	6.6	11.0	8.4	7.4	7.1	6.4	17.0
Diseases of the respiratory system	5.4	3.3	4.3	5.7	6.0	5.7	0.3
Acute bronchitis and bronchiolitis	3.0	2.9	3.0	2.4	3.1	3.9	0.0
Pneumonia	4.7	3.2	3.6	3.9	4.6	5.0	0.0
Chronic bronchitis	4.1	0.0	3.0	4.6	4.1	4.1	0.0
Asthma	2.6	1.7	2.1	2.8	3.4	3.4	0.0
COVID-19	4.9	3.2	4.5	4.2	4.9	5.0	0.0
Diseases of the digestive system	4.5	4.6	4.1	4.0	4.5	4.8	0.0
Appendicitis	3.1	3.7	2.8	2.4	3.2	3.6	0.0
Noninfectious enteritis and colitis	4.6	6.2	5.9	4.1	4.4	4.7	0.0
Diverticula of intestine	4.3	2.0	3.8	3.5	4.1	4.6	0.0
Cholelithiasis	3.2	2.2	2.8	2.3	3.1	3.9	0.0
Diseases of the genitourinary system	4.2	3.6	3.1	3.3	4.2	4.5	0.0
Calculus of kidney and ureter	2.8	3.8	2.1	2.0	3.2	2.9	0.0
Diseases of the skin and subcutaneous tissue	4.3	2.5	3.4	3.5	4.5	4.9	0.0
Cellulitis and abscess	4.0	2.3	2.6	3.2	4.0	4.6	0.0
Diseases of the musculoskeletal system	4.5	4.2	4.7	4.5	4.4	4.5	0.0
Osteoarthritis and allied disorders	2.3	2.0	2.0	3.0	2.2	2.3	0.0
Invertebral disc disorders	4.1	1.0	2.2	3.1	3.6	4.7	0.0
Congenital anomalies	9.1	13.2	3.6	4.7	5.7	5.1	0.0
Conditions originating in perinatal period	9.2	9.2	0.0	1.0	6.5	0.0	0.0
Symptoms signs and ill-defined conditions	4.5	2.6	3.9	3.7	4.0	5.2	0.0
Injury and poisoning	6.1	5.3	5.0	5.8	6.3	6.3	0.7
Fractures, all sites	5.9	2.3	4.3	4.9	5.5	6.3	0.0
Fracture of neck of femur	5.3	3.4	5.2	5.5	5.2	5.3	0.0
Poisonings	4.1	2.3	2.8	3.9	4.6	5.2	1.0

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.

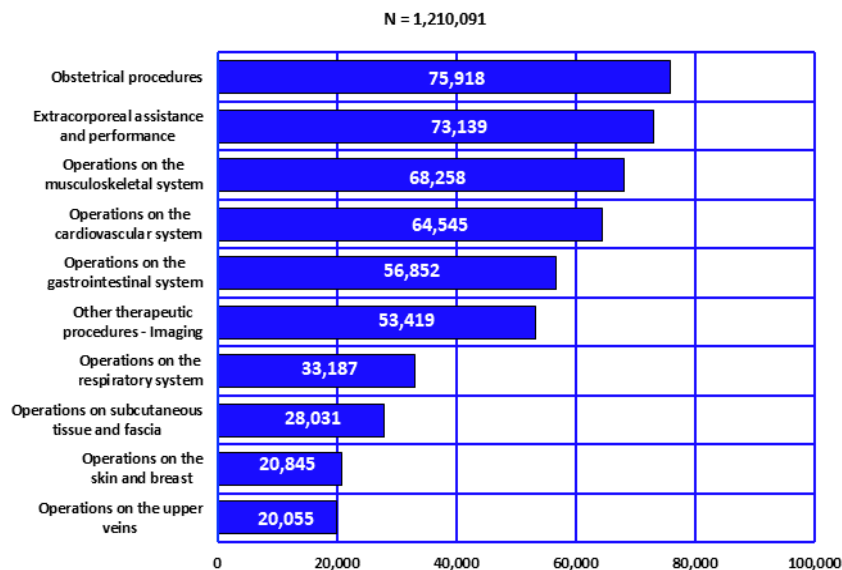
During 2015, all Arizona Hospitals transitioned to the International Classification of Diseases, 10th Revision, and Procedure Coding System (ICD-10-PCS) for coding inpatient procedures. ICD-10-PCS was implemented on October 1, 2015 in replacement of the International Classification of Diseases, Ninth 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 https://archive.cdc.gov/www_cdc.gov/nchs/nhds/index.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, 2023

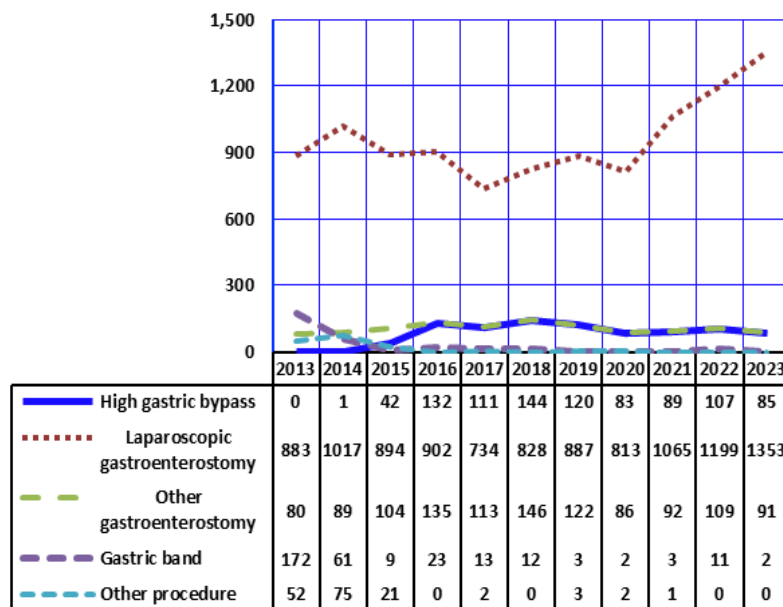


Note: Excludes newborn infants.

During 2023, 1,210,091 procedures were performed among the 702,383 (Table 4A-1) total inpatient discharges to Arizona residents. The 2023 rate of procedures was 1608.1 per 10,000 population, representing an increase from the 2022 rate of 1545.3 per 10,000.

No specific procedure was recorded for 40.3 percent of all inpatient discharges. Only 2.0 percent of inpatients had six procedures reported while 0.9 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 *extracorporeal assistance and performance*, and *operations on the musculoskeletal system* (Figure 4B-1, Table 4B-1).

Figure 4B-2
Trends in Types of Inpatient Procedures Performed in Treatment of Morbid Obesity, Arizona Residents, 2013-2023



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 2023, *morbid obesity* was the principal diagnosis for 4,375 inpatient hospitalizations (Table 4A-1). The number of *gastric bypass* surgeries, once the most common bariatric procedure, declined from a 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 1,353 surgeries performed in 2023.

TABLE 4B-1
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2023

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	1,210,091	58,826	23,081	330,544	296,668	500,899	73
Operations on the central nervous system	18,085	1,939	411	3,521	5,031	7,183	0
Spinal tap	6,723	1,422	174	1,448	1,652	2,027	0
Operations on the peripheral nervous system	8,643	57	103	1,223	2,834	4,426	0
Operations on the heart and great vessels	64,545	2,461	470	6,319	17,746	37,547	*
Heart transplant	86	9	7	17	39	14	0
Coronary artery bypass graft	3,780†	*	0	63	1,243	2,471	0
Cardiac catheterization	20,541	141	35	1,073	6,686	12,605	*
Insertion, replacement, removal, of pacemaker leads	5,879	53	9	170	933	4,714	0
Operations on the upper arteries	14,446	319	122	1,637	4,145	8,223	0
Operations on the lower arteries	7,850	334	71	780	1,974	4,689	*
Operations on the upper veins	20,055	246	142	3,045	5,832	10,790	0
Operations on the lower veins	10,640	1,130	67	1,102	3,320	5,021	0
Operations on the lymphatic and hemic systems	9,588	280	130	1,090	2,825	5,262	*
Operations on the eye	507	49	21	149	129	159	0
Operations on the ear, nose, sinus	1,243	228	46	260	330	379	0
Operations on the respiratory system	33,187	2,491	462	5,736	9,744	14,735	19
Bronchoscopy with or without biopsy	3,539	221	62	575	1,033	1,648	0
Operations on the mouth and throat	3,144	851	148	632	683	829	*
Operations on the gastrointestinal system	56,852	2,675	868	11,483	16,286	25,538	*
Implantation of gastric band	0†	0	0	*	*	0	0
Endoscopy of small intestine with or without biopsy	13,632	260	201	2,533	3,890	6,748	0
Endoscopy of large intestine with or without biopsy	8,913	177	132	1,220	2,500	4,884	0
Appendectomy, excluding incidental	3,602	614	211	1,029	916	832	0
Operations on the hepatobiliary system and pancreas	15,691	141	244	3,282	4,595	7,429	0
Cholecystectomy	7,550	53	180	2,145	2,246	2,926	0
Operations on the endocrine system	989	23	27	197	341	401	0
Operations on the skin and breast	20,845	300	932	12,198	3,568	3,845	*
Breast surgery	1,080†	0	*	249	553	278	0

TABLE 4B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2023

Procedures by category	Total	Age group				
		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	28,031	718	504	5,369	9,095	12,345
Operations on the musculoskeletal system	68,258	1,300	1,850	21,051	14,731	29,325
Open reduction of fracture with or without internal fixation	7,902	211	260	1,568	1,669	4,194
Total hip replacement	2,700†	*	7	71	571	2,048
Total knee replacement	3,210†	6	*	25	705	2,473
Operations on the urinary system	19,667	289	182	3,372	5,685	10,139
Kidney transplant	200†	*	*	53	100	48
Operations on the male reproductive system	5,591	3,874	25	263	473	956
Prostatectomy	970†	*	0	11	215	742
Operations on the female reproductive system	17,931	79	881	14,994	1,122	855
Oophorectomy and salpingo-oophorectomy	2,947	12	14	1,635	771	515
Hysterectomy	1,840†	0	*	708	688	438
Obstetrical procedures	75,918	27	3,394	72,341	156	0
Episiotomy with or without forceps or vacuum extraction	2,300†	*	167	2,127	*	0
Artificial rupture of membranes	22,705	7	1,143	21,527	28	0
Cesarean section	22,370†	*	546	21,732	87	0
Other therapeutic procedures - Imaging	53,419	1,157	309	4,897	15,303	31,752
Computerized tomography (CT Scan)	2,113	57	18	325	686	1,027
Magnetic resonance imaging (MRI)	986	466	40	105	147	228
Other therapeutic procedures - Nuclear medicine	110†	24	*	12	34	41
Other therapeutic procedures - Radiation therapy	130†	6	*	16	47	55
Extracorporeal assistance and performance	73,139	6,095	585	9,321	21,385	35,728
Hemodialysis	20,218	33	47	2,899	7,895	9,344

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, 2023**

Procedures by category	Total	Patient's gender		
		Male	Female	Unknown
All procedures	1,210,091	568,729	640,930	432
Operations on the central nervous system	18,085	9,399	8,680	6
Spinal tap	6,723	3,561	3,162	0
Operations on the peripheral nervous system	8,643	4,666	3,973	*
Operations on the heart and great vessels	64,545	38,648	25,887	10
Heart transplant	86	59	27	0
Coronary artery bypass graft	3,778	2,957	821	0
Cardiac catheterization	20,541	12,944	7,595	*
Insertion, replacement, removal, of pacemaker leads	5,879	3,497	2,382	0
Operations on the upper arteries	14,446	8,219	6,224	*
Operations on the lower arteries	7,850	4,734	3,105	11
Operations on the upper veins	20,055	9,409	10,642	*
Operations on the lower veins	10,640	6,804	3,831	*
Operations on the lymphatic and hemic systems	9,588	4,932	4,654	*
Operations on the eye	507	328	177	*
Operations on the ear, nose, sinus	1,243	722	518	*
Operations on the respiratory system	33,187	18,681	14,466	40
Bronchoscopy with or without biopsy	3,539	2,049	1,486	*
Operations on the mouth and throat	3,144	1,925	1,215	*
Operations on the gastrointestinal system	56,852	26,584	30,258	10
Implantation of gastric band	0†	0	*	0
Endoscopy of small intestine with or without biopsy	13,632	6,594	7,038	0
Endoscopy of large intestine with or without biopsy	8,913	4,336	4,577	0
Appendectomy, excluding incidental	3,602	1,844	1,758	0
Operations on the hepatobiliary system and pancreas	15,691	7,318	8,370	*
Cholecystectomy	7,550	3,155	4,394	*
Operations on the endocrine system	989	432	557	0
Operations on the skin and breast	20,845	6,135	14,696	14
Breast surgery	1,082	40	1,042	0

TABLE 4B-2 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND GENDER, ARIZONA, 2023

Procedures by category	Total	Patient's gender		
		Male	Female	Unknown
Operations on the subcutaneous tissue and fascia	28,031	16,010	12,011	10
Operations on the musculoskeletal system	68,258	27,242	40,980	36
Open reduction of fracture with or without internal fixation	7,902	3,410	4,477	15
Total hip replacement	2,699	1,018	1,681	0
Total knee replacement	3,210	1,207	2,003	0
Operations on the urinary system	19,667	10,278	9,387	*
Kidney transplant	204	145	59	0
Operations on the male reproductive system	5,591	5,543	37	11
Prostatectomy	970†	968	*	0
Operations on the female reproductive system	17,931	7	17,923	*
Oophorectomy and salpingo-oophorectomy	2,950†	*	2,943	0
Hysterectomy	1,840†	*	1,831	0
Obstetrical procedures	75,920†	*	75,915	*
Episiotomy with or without forceps or vacuum extraction	2,297	0	2,297	0
Artificial rupture of membranes	22,710†	*	22,704	0
Cesarean section	22,370	0	22,369	*
Other therapeutic procedures - Imaging	53,419	31,006	22,407	6
Computerized tomography (CT Scan)	2,113	1,120	993	0
Magnetic resonance imaging (MRI)	986	500	486	0
Other therapeutic procedures - Nuclear medicine	113	55	58	0
Other therapeutic procedures - Radiation therapy	127	62	65	0
Extracorporeal assistance and performance	73,139	42,559	30,531	49
Hemodialysis	20,218	11,305	8,913	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, 2023**

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	
All procedures	1,210,091	55,487	30,190	67,719	247,118	793,991	15,586
Operations on the central nervous system	18,085	702	429	1,116	3,203	12,333	302
Spinal tap	6,723	337	145	584	1,451	4,097	109
Operations on the peripheral nervous system	8,643	224	173	361	1,154	6,618	113
Operations on the heart and great vessels	64,545	2,691	1,408	3,205	9,825	46,674	742
Heart transplant	90†	*	*	9	23	51	0
Coronary artery bypass graft	3,778	81	101	73	562	2,916	45
Cardiac catheterization	20,541	603	448	1,000	3,095	15,142	253
Insertion, replacement, removal, of pacemaker leads	5,879	143	125	177	640	4,722	72
Operations on the upper arteries	14,446	606	292	769	2,306	10,199	274
Operations on the lower arteries	7,850	303	158	394	1,338	5,549	108
Operations on the upper veins	20,055	887	318	1,409	3,420	13,806	215
Operations on the lower veins	10,640	561	248	554	1,965	7,169	143
Operations on the lymphatic and hemic systems	9,588	240	290	473	1,447	7,040	98
Operations on the eye	507	36	9	30	129	291	12
Operations on the ear, nose, sinus	1,243	66	50	78	275	747	27
Operations on the respiratory system	33,187	1,424	773	2,262	5,856	22,339	533
Bronchoscopy with or without biopsy	3,539	130	93	246	577	2,437	56
Operations on the mouth and throat	3,144	141	80	272	644	1,964	43
Operations on the gastrointestinal system	56,852	2,486	1,387	3,146	11,108	38,106	619
Implantation of gastric band	0†	0	0	0	*	*	0
Endoscopy of small intestine with or without biopsy	13,632	827	287	731	2,348	9,296	143
Endoscopy of large intestine with or without biopsy	8,913	376	215	459	1,354	6,425	84
Appendectomy, excluding incidental	3,602	128	89	148	1,017	2,172	48
Operations on the hepatobiliary system and pancreas	15,691	789	427	600	3,637	10,057	181
Cholecystectomy	7,550	390	164	268	2,041	4,597	90
Operations on the endocrine system	989	33	34	54	194	661	13
Operations on the skin and breast	20,845	1,021	540	1,146	5,641	12,126	371
Breast surgery	1,082	20	35	64	178	778	7

TABLE 4B-3 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2023

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	28,031	1,856	566	1,829	5,274	18,154	352
Operations on the musculoskeletal system	68,258	2,628	1,903	2,866	12,752	47,209	900
Open reduction of fracture with or without internal fixation	7,902	349	101	275	1,315	5,712	150
Total hip replacement	2,699	34	44	68	145	2,382	26
Total knee replacement	3,210	65	101	107	274	2,627	36
Operations on the urinary system	19,667	769	512	930	3,489	13,738	229
Kidney transplant	204	6	16	11	78	92	*
Operations on the male reproductive system	5,591	113	286	434	971	3,730	57
Prostatectomy	969	10	19	48	129	750	13
Operations on the female reproductive system	17,931	781	616	1,208	6,415	8,692	219
Oophorectomy and salpingo-oophorectomy	2,947	121	114	195	818	1,662	37
Hysterectomy	1,835	79	96	173	371	1,091	25
Obstetrical procedures	75,918	2,876	3,077	5,138	28,794	35,163	870
Episiotomy with or without forceps or vacuum extraction	2,297	63	129	129	756	1,183	37
Artificial rupture of membranes	22,705	922	876	1,475	8,720	10,474	238
Cesarean section	22,370	860	1,020	1,704	8,206	10,290	290
Other therapeutic procedures - Imaging	53,419	2,245	1,031	2,475	8,367	38,631	670
Computerized tomography (CT Scan)	2,113	70	43	173	409	1,357	61
Magnetic resonance imaging (MRI)	986	56	29	85	285	512	19
Other therapeutic procedures - Nuclear medicine	113	7	6	6	26	68	0
Other therapeutic procedures - Radiation therapy	127	7	7	8	32	72	*
Extracorporeal assistance and performance	73,139	4,515	1,762	5,303	13,826	46,785	948
Hemodialysis	20,218	2,482	638	2,095	5,225	9,602	176

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, 2023**

Procedures by category	Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
All procedures	1,210,091	30,481	312,261	311,392	375,726	180,231
Operations on the central nervous system	18,085	348	5,175	4,397	5,722	2,443
Spinal tap	6,723	182	1,810	2,300	1,680	751
Operations on the peripheral nervous system	8,643	152	2,321	1,270	3,410	1,490
Operations on the heart and great vessels	64,545	1,044	12,233	11,672	27,492	12,104
Heart transplant	86	8	36	11	19	12
Coronary artery bypass graft	3,778	48	881	378	1,771	700
Cardiac catheterization	20,541	544	4,515	2,787	8,980	3,715
Insertion, replacement, removal, of pacemaker leads	5,879	45	795	421	3,434	1,184
Operations on the upper arteries	14,446	282	2,657	2,885	5,807	2,815
Operations on the lower arteries	7,850	140	1,404	1,408	3,458	1,440
Operations on the upper veins	20,055	407	3,578	4,577	8,332	3,161
Operations on the lower veins	10,640	225	2,415	2,604	3,698	1,698
Operations on the lymphatic and hemic systems	9,588	141	2,497	1,408	3,791	1,751
Operations on the eye	507	37	80	211	125	54
Operations on the ear, nose, sinus	1,243	30	361	382	323	147
Operations on the respiratory system	33,187	809	6,566	9,184	11,358	5,270
Bronchoscopy with or without biopsy	3,539	48	744	874	1,283	590
Operations on the mouth and throat	3,144	122	929	1,105	670	318
Operations on the gastrointestinal system	56,852	1,298	14,619	13,108	19,025	8,802
Implantation of gastric band	0†	0	*	*	0	0
Endoscopy of small intestine with or without biopsy	13,632	293	2,744	3,239	5,115	2,241
Endoscopy of large intestine with or without biopsy	8,913	190	2,023	1,593	3,577	1,530
Appendectomy, excluding incidental	3,602	230	1,394	1,023	628	327
Operations on the hepatobiliary system and pancreas	15,691	411	4,266	3,296	5,501	2,217
Cholecystectomy	7,550	281	2,300	1,869	2,161	939
Operations on the endocrine system	989	25	336	184	301	143
Operations on the skin and breast	20,845	912	7,273	7,642	3,012	2,006
Breast surgery	1,082	38	593	141	200	110

TABLE 4B-4 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2023

Procedures by category	Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
Operations on the subcutaneous tissue and fascia	28,031	696	5,319	7,515	10,143	4,358
Operations on the musculoskeletal system	68,258	1,808	19,004	14,760	22,177	10,509
Open reduction of fracture with or without internal fixation	7,902	286	1,489	1,650	3,068	1,409
Total hip replacement	2,699	25	387	180	1,490	617
Total knee replacement	3,210	23	538	156	1,831	662
Operations on the urinary system	19,667	416	4,635	3,643	7,587	3,386
Kidney transplant	200†	*	80	15	90	16
Operations on the male reproductive system	5,591	226	3,098	1,189	677	401
Prostatectomy	969	22	228	63	494	162
Operations on the female reproductive system	17,931	687	7,753	7,862	670	959
Oophorectomy and salpingo-oophorectomy	2,947	146	1,168	975	371	287
Hysterectomy	1,835	106	794	409	326	200
Obstetrical procedures	75,918	3,156	34,697	34,578	133	3,354
Episiotomy with or without forceps or vacuum extraction	2,300†	165	1,066	940	*	121
Artificial rupture of membranes	22,705	878	10,387	10,379	35	1,026
Cesarean section	22,370	914	10,662	9,795	63	936
Other therapeutic procedures - Imaging	53,419	1,200	11,063	8,794	21,584	10,778
Computerized tomography (CT Scan)	2,113	40	405	543	511	614
Magnetic resonance imaging (MRI)	986	31	292	415	103	145
Other therapeutic procedures - Nuclear medicine	110†	*	31	29	28	23
Other therapeutic procedures - Radiation therapy	130†	*	32	38	33	23
Extracorporeal assistance and performance	73,139	1,340	11,886	17,843	30,430	11,640
Hemodialysis	20,218	166	2,229	4,311	9,964	3,548

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.

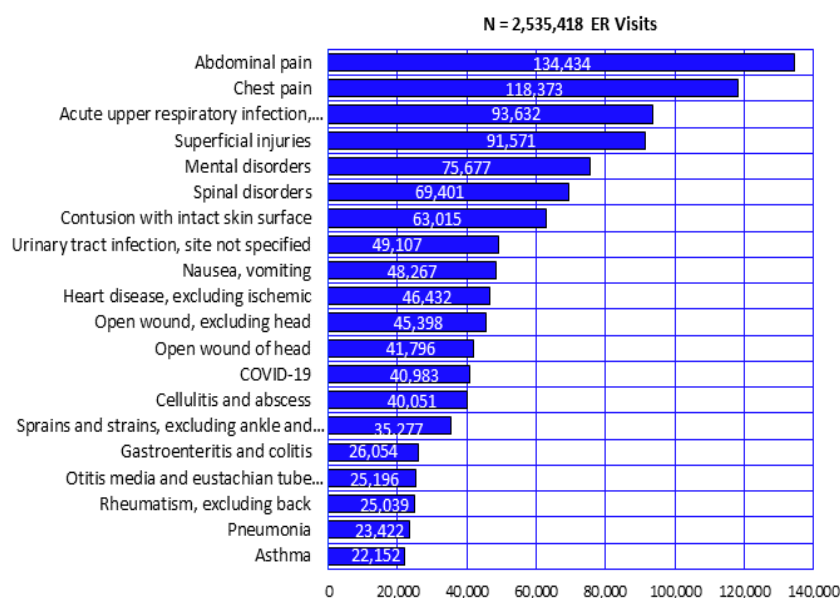
All emergency room visits are those of the residents of Arizona. Ambulatory care visits to hospital emergency rooms of out-of-state residents are not included in this report. In the current report, diagnostic groupings and code numbers are solely based on the International Classification of Diseases 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 <https://www.cdc.gov/nchs/nhamcs/about/index.html>

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, 2023



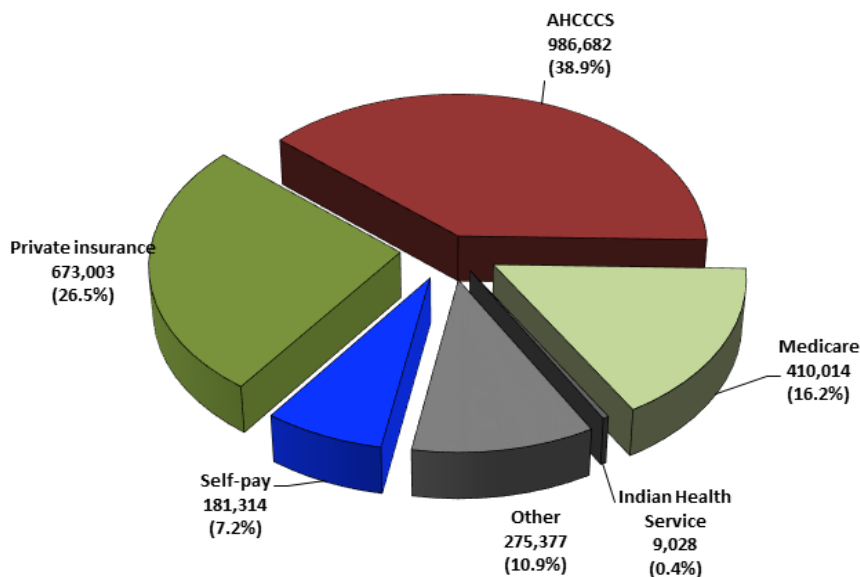
During 2023, approximately 2.5 million visits were made by Arizona residents to hospital emergency rooms (ER), which translate to 33.7 visits per 100 persons.

In 2023, *abdominal pain, chest pain, acute upper respiratory infection, superficial injuries, mental disorders, spinal disorders, and contusion with intact skin surface*, were the leading diagnostic categories, accounting for 25.5 percent of all visits (**Figure 4C-1, Table 4C-2**).

[*www.cdc.gov/nchs/data/nhsr/nhsr007.pdf](https://www.cdc.gov/nchs/data/nhsr/nhsr007.pdf)

Notes: Based on first-listed diagnosis; See Table 4C-2.

Figure 4C-2
Emergency Room Visits by Payer, Arizona Residents, 2023



The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) was the most frequently recorded expected source of payment, accounting for 38.9 percent of ER visits (**Figure 4C-3**). Private insurance was the second most frequent payer (26.5 percent of ER visits), followed by Medicare (16.2 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, 2023

Category of first-listed diagnosis	All Ages	Age group					Elderly 65+ years	Unknown
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years			
Total, all causes	2,535,418	388,261	138,312	870,002	576,216	562,291	336	
Infectious and parasitic diseases	58,031	20,985	3,591	17,169	8,987	7,298	*	
Neoplasms	7,287	275	95	1,789	2,375	2,753	0	
Endocrine nutritional metabolic and immunity diseases	64,669	2,889	2,102	21,125	20,986	17,565	*	
Diabetes mellitus	18,150	647	452	5,070	7,164	4,817	0	
Mental disorders	75,677	2,508	5,101	40,410	19,553	8,052	53	
Psychoses	49,503	681	2,483	27,696	13,783	4,811	49	
Alcoholic psychoses	8,182	61	363	4,840	2,432	478	8	
Drug psychoses	2,567	75	282	1,614	453	143	0	
Schizophrenic disorders	600†	*	17	330	189	62	0	
Manic-depressive disorders	5,040	448	700	2,081	1,237	573	*	
Neurotic disorders	62,981	2,040	4,077	34,140	16,904	5,768	52	
Anxiety states	16,917	555	1,325	8,985	3,764	2,288	0	
Depression	3,275	315	550	1,274	731	404	*	
Drug dependence	2,320†	*	71	1,472	556	211	0	
Nondependent abuse of drugs	9,239	128	522	5,942	2,214	426	7	
Alcohol dependence	5,464	8	19	3,020	2,019	394	*	
Diseases of the nervous system	56,458	2,998	2,662	22,215	16,184	12,390	9	
Diseases of the eye and adnexa ^b	25,221	5,926	1,113	7,707	5,768	4,707	0	
Diseases of the ear and mastoid process ^b	43,442	20,529	2,318	10,461	5,684	4,450	0	
Diseases of the circulatory system	95,115	1,468	849	12,811	29,430	50,486	71	
Diseases of the respiratory system	241,035	93,574	13,275	62,786	36,727	34,668	*	
Acute bronchitis and bronchiolitis	16,338	8,034	385	3,061	2,456	2,402	0	
Pneumonia	23,422	3,943	700	5,486	5,879	7,414	0	
Chronic bronchitis	10,702	57	17	390	3,785	6,453	0	
Asthma	22,152	7,235	1,369	8,015	3,811	1,722	0	
COVID-19	40,983	6,405	1,488	10,858	8,888	13,344	0	
Diseases of the digestive system	179,196	20,531	7,773	66,678	45,732	38,481	*	
Diseases of the genitourinary system	156,308	10,399	8,852	63,011	36,194	37,851	*	
Diseases of the skin and subcutaneous tissue	85,697	12,336	4,755	32,102	21,437	15,066	*	
Diseases of the musculoskeletal system	186,021	10,028	7,177	60,151	58,811	49,847	7	
Symptoms signs and ill-defined conditions	598,461	71,682	31,179	204,943	149,566	141,040	51	
Injury and poisoning	498,184	93,601	37,652	157,126	98,283	111,418	104	
Fractures, all sites	77,557	14,554	4,787	19,736	16,783	21,692	*	
Sprains	47,692	7,316	5,484	18,047	10,249	6,596	0	
Intracranial	15,928	2,746	2,061	4,967	2,688	3,461	*	
Open wounds	102,991	21,408	7,070	34,174	17,869	22,422	48	
Superficial injuries	91,571	17,193	6,829	27,327	17,940	22,272	10	
Contusions with intact skin surface	63,015	10,657	4,618	17,927	12,520	17,288	*	
Foreign bodies	10,776	4,068	452	3,045	1,665	1,546	0	
Burns and corrosions	7,609	1,887	588	2,867	1,512	754	*	
Trauma complications and unspecified injuries	35,686	9,714	2,157	7,984	5,399	10,422	10	
Poisonings	11,505	1,605	1,506	5,539	1,919	929	7	
Surgical and medical complications	16,930	856	340	3,225	4,651	7,858	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, 2023

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	2,535,418	388,261	138,312	870,002	576,216	562,291	336
Abdominal pain	134,434	15,359	8,717	56,550	32,909	20,897	*
Chest pain	118,373	2,740	4,206	42,311	40,080	29,033	*
Acute upper respiratory infection, excluding pharyngitis	93,632	51,962	4,199	19,882	10,005	7,584	0
Superficial injuries	91,571	17,193	6,829	27,327	17,940	22,272	10
Mental disorders	75,677	2,508	5,101	40,410	19,553	8,052	53
Spinal disorders	69,401	1,550	1,953	24,302	23,020	18,573	*
Contusion with intact skin surface	63,015	10,657	4,618	17,927	12,520	17,288	*
Urinary tract infection, site not specified	49,107	5,072	2,488	14,755	10,188	16,603	*
Nausea, vomiting	48,267	12,971	3,924	18,899	7,222	5,250	*
Heart disease, excluding ischemic	46,432	396	284	5,211	13,822	26,650	69
Open wound, excluding head	45,398	4,304	3,699	19,633	9,179	8,557	26
Open wound of head	41,796	11,812	2,570	9,462	6,155	11,786	11
COVID-19	40,983	6,405	1,488	10,858	8,888	13,344	0
Cellulitis and abscess	40,051	3,645	1,270	14,503	11,773	8,859	*
Sprains and strains, excluding ankle and back	35,277	4,674	3,431	13,038	8,387	5,747	0
Gastroenteritis and colitis	26,054	4,938	1,502	9,431	5,647	4,536	0
Otitis media and eustachian tube disorders	25,196	16,844	1,195	4,529	1,730	898	0
Rheumatism, excluding back	25,039	967	810	8,672	8,046	6,542	*
Pneumonia	23,422	3,943	700	5,486	5,879	7,414	0
Asthma	22,152	7,235	1,369	8,015	3,811	1,722	0
Acute pharyngitis	17,606	4,704	2,331	7,549	1,989	1,033	0
Chronic and unspecified bronchitis	17,115	611	229	2,538	5,570	8,167	0
Fever	15,392	11,792	438	1,457	843	862	0
Migraine	13,339	538	932	7,068	3,839	962	0
Sprains and strains of neck and back	3,803	213	299	1,793	1,014	484	0
Unspecified viral and chlamydial infection	276	26	54	174	15	7	0
Headache	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; ^a 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).

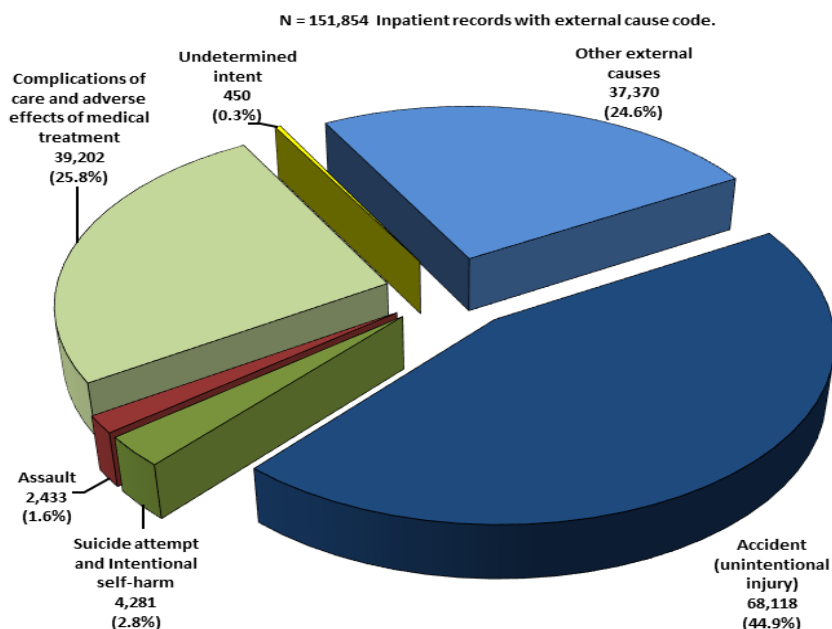
In 2009, the reporting requirements for hospitals were revised and the non-injury first-listed diagnoses may also have an external cause of injury code (E-code). Beginning with the 2009 edition of this report, the reader is advised that the number of suicides, accidents, etc. shown in **Table 4D-1** 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.

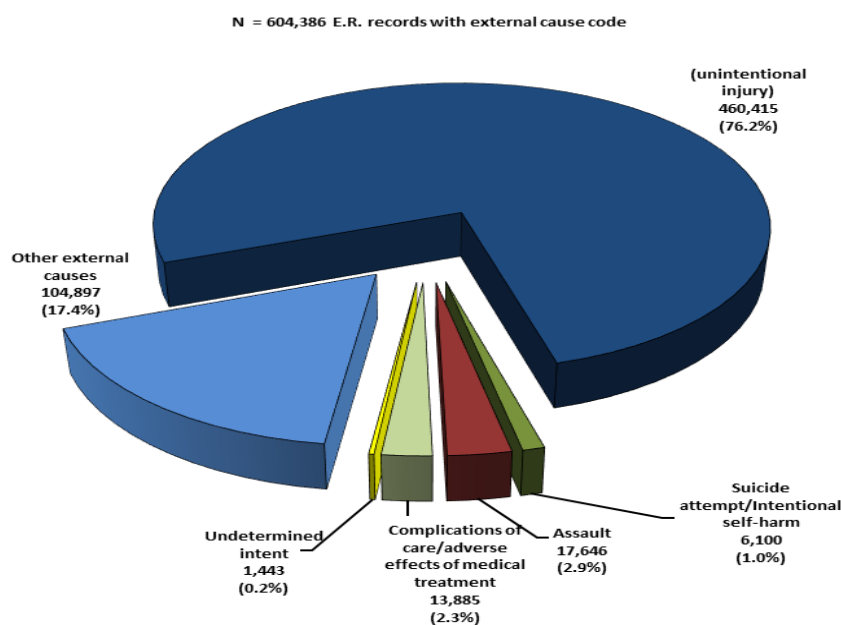
4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Figure 4D-1
Percent Distribution of Inpatient Discharges by Intent of Injury,
Arizona Residents, 2023



In 2023, injury and poisoning as a joint category was indicated as the principal diagnosis on 74,699 inpatient discharge records (**Table 4A-1**). *Unintentional injuries or accidents* accounted for the absolute majority of inpatient hospitalizations by the intent of injury (44.9 percent) and *complications of medical care and adverse effects of medical treatment* accounted for 25.8 percent of all inpatient discharges by intent of injury. *Assault* accounted for 2,433 inpatient hospitalizations (1.6 percent of all hospital discharges with known intent of injury). *Intentional self-inflicted injuries* including *suicide attempt* resulted in 4,281 inpatient hospitalizations (2.8 percent).

Figure 4D-2
Percent Distribution of Emergency Room Visits by Intent of Injury, Arizona Residents, 2023



In 2023, *Unintentional injuries or accidents* accounted for eight out of ten (460,415 or 76.2 percent) of all injury-related emergency room visits (**Figure 4D-2, Table 4D-2**). The external cause of injury was classified as *assault* for 17,646 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* (2.3 percent vs. 1.0 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, 2013–2023

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 2023, there were 4,281 inpatient discharges attributed to intentional self-inflicted injuries. *Mental disorders* were identified as the principal diagnosis on 1,984 intentional self-inflicted injury/suicide attempt-related records. *Injury or poisoning* was the principal diagnosis on 2,194 inpatient discharge records related to self-inflicted injuries.

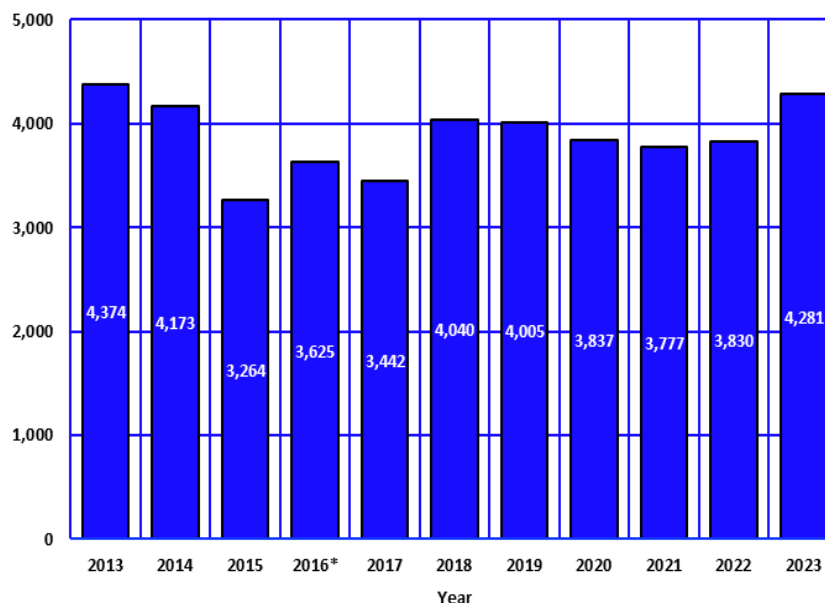


Figure 4D-4
Intentional self-inflicted injury Emergency Room Visits by Year,
Arizona Residents, 2013–2023

In 2023, self-inflicted injuries resulting in ER visits accounted for 6,100, a decrease of 10.1 percent from 2022. Of all the ER visits related to *intentional self-inflicted injuries*, *mental disorders* were identified as the principal diagnosis on 255 ER discharges. *Injury or poisoning* was recorded as the principal diagnosis on 5,264 (86.3 percent) ER discharges related to self-inflicted injury.

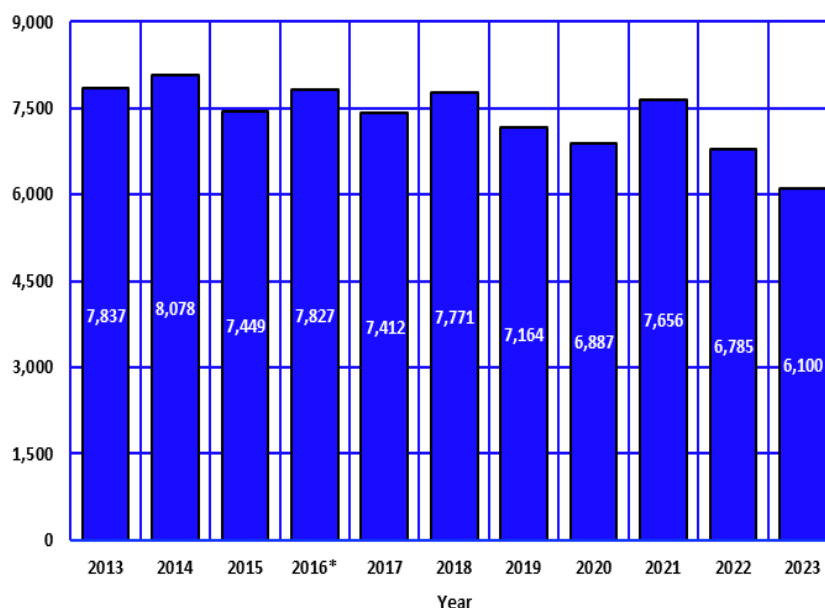


TABLE 4D-1
INPATIENT DISCHARGES BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND
RACE/ETHNICITY, ARIZONA, 2023

	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	68,118	34,766	33,282	70	1,641	1,553	11,036	13,631	40,243	14	3,054	986	2,509	8,970	51,544	1,055
Falls	42,115	18,528	23,575	12	392	180	2,414	6,437	32,689	*	1,462	613	990	4,531	34,038	481
Transport accidents	10,107	6,573	3,483	51	344	684	3,892	2,805	2,376	6	517	173	531	1,947	6,581	358
Natural and environmental factors	9,826	5,835	3,989	*	530	423	2,712	2,608	3,550	*	619	133	623	1,471	6,868	112
Exposure to excessive natural heat	1,060	814	246	0	7	7	349	387	308	*	58	8	103	215	654	22
Fire and flames	519	343	174	*	41	18	173	181	106	0	65	8	35	45	350	16
Machinery	200†	190	13	0	*	*	84	66	45	0	9	*	7	57	118	9
SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM	4,281	1,801	2,472	8	460	942	1,864	722	291	*	300	68	262	762	2,829	60
ASSAULT	2,433	1,845	576	12	88	229	1,379	572	164	*	347	29	284	500	1,176	97
INJURIES OF UNDETERMINED INTENT	450†	285	164	*	39	32	170	117	92	0	40	*	48	78	272	9
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	39,202	21,650	17,549	*	709	327	5,313	12,057	20,796	0	1,583	903	2,209	6,896	27,281	330
Misadventures to patients	380†	195	184	0	13	*	62	91	209	0	21	*	17	69	258	9
Surgical and medical procedures as the cause of adverse reaction	32,635	17,992	14,640	*	581	259	4,510	10,217	17,068	0	1,296	771	1,844	5,788	22,647	289

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, 2023**

	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	460,415	231,320	228,971	124	83,581	32,332	139,150	93,547	111,724	81	17,759	8,394	31,654	115,807	281,517	5,284
Falls	173,743	75,366	98,361	16	34,440	5,806	27,371	33,564	72,548	14	6,096	2,898	8,436	37,845	116,878	1,590
Transport accidents	71,212	37,524	33,606	82	7,803	8,115	32,697	15,236	7,322	39	2,540	1,662	6,578	19,905	39,393	1,134
Struck against or struck accidentally by objects or persons	51,312	29,550	21,758	*	15,162	5,921	16,027	7,848	6,353	*	2,030	879	3,980	14,795	29,036	592
Overexertion	34,661	17,614	17,044	*	4,878	3,726	13,581	7,838	4,638	0	1,450	631	2,832	9,755	19,620	373
Cutting or piercing instruments or objects	24,928	15,940	8,985	*	2,884	2,006	11,051	5,415	3,571	*	952	439	1,434	6,543	15,242	318
Natural and environmental factors	61,043	31,711	29,326	6	8,551	3,413	21,737	14,770	12,555	17	2,773	1,119	5,357	15,586	35,593	615
Exposure to excessive natural heat	2,625	1,789	835	*	96	126	1,184	798	416	*	124	30	257	657	1,533	24
Fire and flames	2,300	1,358	941	*	431	162	926	549	230	*	116	41	230	452	1,415	46
Machinery	2,164	1,859	305	0	82	108	839	661	474	0	42	29	66	633	1,371	23
Pedal cycle, nontraffic and other	5,772	4,254	1,515	*	1,312	413	1,702	1,542	802	*	202	104	263	1,088	4,044	71
Motor vehicle, nontraffic	474	296	178	0	75	45	194	102	58	0	29	9	34	99	297	6
Firearm missile	983	841	138	*	80	154	537	140	67	*	60	10	113	297	475	28
Drowning/submersion	60 [†]	37	23	0	50	*	6	*	0	0	*	*	*	18	34	*
SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM	6,100	2,252	3,839	9	764	1,624	2,650	808	244	10	363	104	482	1,225	3,814	112
ASSAULT	17,646	10,431	7,187	28	1,030	1,790	10,581	3,497	715	33	2,115	241	2,133	4,637	8,200	320
INJURIES OF UNDETERMINED INTENT	1,443	847	591	*	366	165	567	215	125	*	212	20	122	390	679	20
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	13,885	8,197	5,688	0	505	227	2,743	3,953	6,455	*	465	273	877	2,803	9,370	97
Misadventures to patients	466	304	162	0	31	15	94	142	184	0	19	6	31	122	286	*
Surgical and medical procedures as the cause of adverse reaction	9,117	5,169	3,948	0	323	156	1,898	2,650	4,088	*	305	167	525	1,802	6,245	73

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, 2013-2023

- 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, 2023**

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	1,446,984	77,881	12,705	490†	91,074	53.8	8.8	62.9	14.0
Apache	12,385	757	8	*	770†	61.1	0.6	**	1.0
Cochise	20,633	1,216	86	*	1,310†	58.9	4.2	**	6.6
Coconino	37,209	1,286	98	*	1,390†	34.6	2.6	**	7.1
Gila	7,456	448	31	7	486	60.1	4.2	65.2	6.4
Graham	7,258	456	21	6	483	62.8	2.9	66.5	4.3
Greenlee	1,871	97	13	*	110†	51.8	6.9	**	11.6
La Paz	2,016	158	11	*	170†	78.4	5.5	**	6.4
Maricopa	942,284	50,161	9,311	305	59,777	53.2	9.9	63.4	15.6
Mohave	29,768	1,690	11	11	1,712	56.8	0.4	57.5	0.6
Navajo	18,529	1,227	26	9	1,262	66.2	1.4	68.1	2.1
Pima	209,431	9,823	1,533	70	11,426	46.9	7.3	54.6	13.4
Pinal	78,454	5,369	467	39	5,875	68.4	6.0	74.9	7.9
Santa Cruz	9,205	608	25	0	633	66.1	2.7	0.0	3.9
Yavapai	32,175	1,765	139	10	1,914	54.9	4.3	59.5	7.3
Yuma	38,310	2,800	19	14	2,833	73.1	0.5	73.9	0.7

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, 2023

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	48	0	48	18	18
Cochise	80†	*	80	18	18
Coconino	75	0	75	13	13
Gila	41	0	41	12	12
Graham	40†	*	37	8	8
Greenlee	9	0	10†	*	*
La Paz	13	0	10†	*	*
Maricopa	2,819	26	2,793	682	682
Mohave	110†	*	107	16	16
Navajo	90†	*	92	35	35
Pima	590†	*	583	131	131
Pinal	313	7	306	74	74
Santa Cruz	45	0	45	12	12
Yavapai	106	0	106	24	24
Yuma	170†	*	165	47	47
STATE TOTAL	4,637	50†	4,592	1,101	3,490†
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	9.2	0.0	18.9	11.2	31.9
Cochise	10.9	**	22.0	8.2	42.7
Coconino	6.2	0.0	9.7	5.2	11.8
Gila	15.0	0.0	32.1	14.7	63.0
Graham	13.1	**	26.3	9.1	54.7
Greenlee	14.0	0.0	31.9	**	**
La Paz	19.3	0.0	40.6	**	**
Maricopa	9.3	0.2	18.5	7.4	35.5
Mohave	10.6	**	22.1	5.1	52.9
Navajo	11.9	**	25.5	14.7	46.2
Pima	9.0	**	16.8	7.1	27.8
Pinal	11.1	0.5	23.2	8.6	50.1
Santa Cruz	11.9	0.0	24.0	10.2	47.6
Yavapai	9.5	0.0	19.5	7.1	40.0
Yuma	11.8	**	23.3	10.9	42.5
STATE TOTAL	9.7	0.2	19.2	7.8	35.8

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, 2013-2023**

	ARIZONA	APACHE	COCHISE	COCONINO	GILA	GRAHAM	GREENLEE	LA PAZ	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA
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
2022	10.0	10.7	11.9	5.3	12.8	13.0	**	19.3	9.6	11.3	12.2	9.2	11.4	16.0	9.5	14.5
2023	9.7	9.2	10.9	6.2	15.0	13.1	14.0	19.3	9.3	10.6	11.9	9.0	11.1	11.9	9.5	11.8
10-19 years	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
2022	37.0	49.0	42.2	9.6	54.3	51.8	**	66.7	37.3	54.2	57.4	28.4	51.8	55.9	40.0	50.4
2023	35.8	31.9	42.7	11.8	63.0	54.7	80.8	100.0	35.5	52.9	46.2	27.8	50.1	47.6	40.0	42.5
10-17 years	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
2022	3.1	2.3	4.5	1.9	4.4	4.3	**	**	2.8	2.5	3.7	2.9	3.5	7.0	2.6	5.6
2023	3.0	4.2	3.2	1.9	5.3	3.8	**	**	2.9	2.0	5.5	2.7	3.4	3.9	2.6	4.3

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, 2023

		Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un- known
STATE TOTAL	Total pregnancies	91,074	45	1,101	3,491	18,841	26,846	24,895	12,704	2,957	191	0†
	Births	77,881	27	851	2,595	14,878	23,138	22,326	11,373	2,527	164	*
	Abortions	12,705	17	246	876	3,879	3,582	2,439	1,248	394	24	0
	Fetal deaths	490†	*	*	20	84	126	130	83	36	*	*
APACHE	Total pregnancies	770†	0	18	30†	170†	200†	200†	120†	27	0	0
	Births	757	0	18	29	164	202	197	120	27	0	0
	Abortions	10†	0	0	*	*	*	0	0	0	0	0
	Fetal deaths	0†	0	0	0	0	0	*	*	0	0	0
COCHISE	Total pregnancies	1,310†	0†	20†	62	310†	380†	330†	169	30†	0†	0†
	Births	1,220†	*	17	53	289	363	304	158	29	*	0
	Abortions	90†	0	*	9	24	17	21	11	*	0	0
	Fetal deaths	10†	0	0	0	*	*	*	0	0	0	*
COCONINO	Total pregnancies	1,390†	0	10†	62	260†	375	390†	220†	60†	0†	0
	Births	1,290†	0	12	53	219	353	380	210	55	*	0
	Abortions	100†	0	*	9	40	22	11	10	*	0	0
	Fetal deaths	10†	0	0	0	*	0	*	*	0	0	0
GILA	Total pregnancies	490†	0	10†	30†	140†	130†	110†	50†	10†	0†	0
	Births	450†	0	11	24	131	124	103	47	7	*	0
	Abortions	30†	0	*	*	7	7	8	*	0	0	0
	Fetal deaths	10†	0	0	*	*	*	*	0	*	0	0
GRAHAM	Total pregnancies	480†	0†	8	30†	140†	170†	90†	30†	10†	0†	0
	Births	460†	*	8	24	132	167	87	31	*	*	0
	Abortions	20†	0	0	*	6	*	*	*	*	0	0
	Fetal deaths	10†	0	0	0	*	*	*	*	*	0	0
GREENLEE	Total pregnancies	110†	0	0†	10†	41	30†	20†	10†	0†	0	0
	Births	100†	0	*	6	35	26	21	6	*	0	0
	Abortions	10†	0	0	*	6	*	0	*	0	0	0
	Fetal deaths	0†	0	0	0	0	0	*	0	0	0	0
LA PAZ	Total pregnancies	170†	0	0†	12	50†	60†	40†	13	10†	0	0
	Births	160†	0	*	12	42	52	31	13	7	0	0
	Abortions	10†	0	0	0	*	*	*	0	0	0	0
	Fetal deaths	0†	0	0	0	0	0	*	0	*	0	0
MARICOPA	Total pregnancies	59,777	26	680†	2,111	11,723	17,522	16,777	8,740	2,057	140†	0
	Births*	50,161	15	481	1,517	8,865	14,753	14,893	7,780	1,739	118	0
	Abortions	9,311	11	199	585	2,812	2,688	1,798	907	293	18	0
	Fetal deaths	310†	0	*	9	46	81	86	53	25	*	0
MOHAVE	Total pregnancies	1,710†	0†	16	90†	450†	540†	370†	210†	43	0†	0
	Births	1,690†	*	16	88	443	532	364	202	43	*	0
	Abortions	10†	0	0	*	6	*	0	*	0	0	0
	Fetal deaths	10†	0	0	*	*	*	*	*	0	0	0
NAVAJO	Total pregnancies	1,260†	0†	40†	60†	340†	350†	300†	150†	30†	0	0
	Births	1,230†	*	32	54	330	343	291	147	29	0	0
	Abortions	30†	0	*	*	*	*	7	*	*	0	0
	Fetal deaths	10†	0	0	*	*	*	*	*	*	0	0
PIMA	Total pregnancies	11,430†	0†	130†	450†	2,436	3,280	3,148	1,592	370†	20†	0
	Births	9,820†	*	109	329	1,940	2,861	2,822	1,432	311	17	0
	Abortions	1,530†	*	21	119	481	404	308	148	49	*	0
	Fetal deaths	70†	0	*	*	15	15	18	12	*	0	0
PINAL	Total pregnancies	5,875	10†	74	230†	1,240†	1,896	1,621	643	150†	7	0
	Births	5,369	6	67	186	1,085	1,758	1,522	597	141	7	0
	Abortions	470†	*	7	44	153	123	89	40	10	0	0
	Fetal deaths	40†	0	0	*	*	15	10	6	*	0	0
SANTA CRUZ	Total pregnancies	633	0	10†	30†	147	180†	170†	80†	17	0	0
	Births	608	0	11	29	137	179	161	74	17	0	0
	Abortions	30†	0	*	*	10	*	*	0	0	0	0
	Fetal deaths	0	0	0	0	0	0	0	0	0	0	0
YAVAPAI	Total pregnancies	1,914	0	20†	80†	430†	580†	490	250†	50†	10†	0†
	Births	1,765	0	21	75	383	542	467	221	47	8	*
	Abortions	140†	0	*	6	44	37	23	22	*	*	0
	Fetal deaths	10†	0	*	*	*	*	0	*	*	0	0
YUMA	Total pregnancies	2,830†	0†	50†	120†	690†	890†	690†	330†	65	0†	0
	Births	2,800†	0	46	116	681	881	680	327	65	*	0
	Abortions	20†	0	*	*	*	8	*	*	0	0	0
	Fetal deaths	10†	*	0	*	*	*	*	*	0	0	0
UNKNOWN	Total pregnancies	930†	0†	9	83	280†	260†	160†	102	30†	0†	0†
	Births	20†	0	0	0	*	*	*	8	*	0	*
	Abortions	910†	*	9	83	274	253	158	94	29	*	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, 2023**

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	47	0	47	18	29
Cochise	70†	*	70	17	53
Coconino	65	0	65	12	53
Gila	35	0	35	11	24
Graham	30†	*	32	8	24
Greenlee	7	0	10†	*	6
La Paz	13	0	10†	*	12
Maricopa	2,013	15	1,998	481	1,517
Mohave	110†	*	104	16	88
Navajo	90†	*	86	32	54
Pima	440†	*	438	109	329
Pinal	259	6	253	67	186
Santa Cruz	40	0	40	11	29
Yavapai	96	0	96	21	75
Yuma	162	0	162	46	116
STATE TOTAL	3,473	30†	3,446	850†	2,595
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	9.0	0.0	18.5	11.2	30.9
Cochise	9.6	**	19.2	7.8	36.5
Coconino	5.4	0.0	8.4	4.8	10.1
Gila	12.8	0.0	27.4	13.4	52.2
Graham	11.4	**	22.7	9.1	45.3
Greenlee	10.9	0.0	24.8	**	60.6
La Paz	19.3	0.0	40.6	**	100.0
Maricopa	6.6	0.1	13.2	5.2	25.5
Mohave	10.3	**	21.5	5.1	51.2
Navajo	11.1	**	23.8	13.5	43.8
Pima	6.7	**	12.7	5.9	20.2
Pinal	9.2	0.4	19.2	7.8	40.2
Santa Cruz	10.6	0.0	21.3	9.3	41.8
Yavapai	8.6	0.0	17.7	6.2	36.6
Yuma	11.6	0.0	22.9	10.7	41.8
STATE TOTAL	7.3	0.1	14.4	6.0	26.6

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, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	6.6	5.3	4.6	4.1	3.5	3.0	2.6	0.2	-0.5	0.6	1.2
Apache	5.6	5.8	4.3	5.1	3.5	3.0	2.2	-5.8	-6.7	-3.4	-2.2
Cochise	3.9	3.4	2.0	1.5	-0.1	-0.1	-0.5	-2.9	-4.6	-3.4	-2.6
Coconino	2.3	7.0	5.4	5.3	4.5	4.4	3.6	1.2	0.8	1.8	1.7
Gila	5.9	-1.8	-4.3	-4.4	-3.3	-4.7	-6.2	-9.5	-11.2	-9.0	-7.8
Graham	2.9	8.4	8.6	7.3	5.9	4.6	5.4	2.1	0.8	1.7	2.8
Greenlee	4.2	8.8	8.1	9.3	8.3	6.1	5.6	4.8	2.2	2.1	1.8
La Paz	5.5	-1.9	-2.6	-2.2	-5.8	-5.9	-5.5	-12.8	-15.1	-13.3	-12.5
Maricopa	1.9	6.9	6.3	5.7	5.1	4.6	4.2	1.9	1.4	2.3	2.8
Mohave	1.7	-3.5	-5.7	-6.7	-6.7	-7.5	-7.5	-10.8	-12.9	-10.8	-9.3
Navajo	1.1	6.2	5.6	4.4	4.0	2.1	1.4	-4.0	-5.9	-3.3	-1.1
Pima	3.2	3.1	2.2	1.9	1.4	0.8	0.4	-2.2	-2.7	-1.8	-1.4
Pinal	3.0	4.7	3.7	3.6	3.0	3.1	2.6	0.8	-0.2	1.5	2.7
Santa Cruz	7.0	6.5	6.5	6.7	6.5	6.5	5.0	2.6	1.7	4.4	5.2
Yavapai	2.7	-3.8	-4.8	-4.9	-5.8	-5.9	-5.4	-8.5	-9.9	-7.9	-7.4
Yuma	2.1	7.7	7.4	6.9	6.6	6.2	5.7	2.6	3.3	4.2	4.4

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, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	12.9	13.0	12.6	12.3	11.7	11.4	11.0	10.7	10.7	10.6	10.3
Apache	13.2	14.2	13.2	14.2	13.0	12.4	12.5	11.9	11.5	11.0	11.3
Cochise	12.3	12.7	12.1	11.9	10.4	10.3	10.3	10.1	9.9	9.7	9.6
Coconino	12.0	12.2	11.1	11.3	10.5	10.3	9.3	9.1	8.8	8.8	8.5
Gila	11.0	12.0	10.7	10.9	9.8	9.0	8.6	8.8	8.4	8.3	8.3
Graham	15.8	15.7	15.1	14.6	13.8	13.5	12.8	12.0	13.4	11.9	11.5
Greenlee	11.5	13.7	14.6	14.3	14.2	12.4	12.0	12.7	12.2	11.8	10.0
La Paz	9.7	10.0	9.4	10.5	9.0	8.5	8.4	9.3	9.8	9.5	9.4
Maricopa	13.7	13.8	13.4	13.1	12.4	12.0	11.7	11.1	11.1	11.0	10.8
Mohave	8.6	9.0	9.0	8.8	8.3	8.4	8.0	7.9	8.3	7.8	7.5
Navajo	14.3	14.7	13.8	13.6	13.5	12.2	12.0	12.2	11.2	11.3	11.2
Pima	12.0	11.8	11.4	11.3	10.7	10.3	9.9	9.6	9.4	9.3	9.1
Pinal	11.6	11.3	11.0	10.8	10.3	10.2	9.9	10.9	11.0	11.3	11.5
Santa Cruz	13.2	12.1	12.4	12.7	12.3	11.8	11.3	12.3	10.5	12.0	12.2
Yavapai	8.5	9.0	8.6	8.5	8.0	7.7	7.8	7.1	7.2	7.3	7.1
Yuma	14.9	14.4	14.0	13.8	13.3	13.5	12.8	14.5	14.0	13.5	13.1

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

**TABLE 5B-3
NUMBER OF BIRTHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA^a	84,963	86,648	85,024	84,404	81,664	80,539	79,183	76,781	77,857	78,355	77,881
Apache	951	1,018	953	1,022	946	910	895	785	762	735	757
Cochise	1,607	1,643	1,566	1,531	1,330	1,348	1,344	1,273	1,247	1,233	1,216
Coconino	1,625	1,701	1,575	1,615	1,506	1,500	1,367	1,330	1,300	1,316	1,286
Gila	590	649	580	593	541	497	473	471	452	445	448
Graham	600	603	580	558	530	513	493	464	522	465	456
Greenlee	125	144	154	149	156	130	124	121	117	114	97
La Paz	204	213	199	223	194	187	186	154	165	160	158
Maricopa	53,848	55,285	54,600	54,021	52,470	51,701	50,998	49,191	50,245	50,573	50,161
Mohave	1,742	1,833	1,845	1,803	1,734	1,790	1,726	1,696	1,802	1,720	1,690
Navajo	1,554	1,609	1,517	1,498	1,507	1,379	1,355	1,305	1,210	1,231	1,227
Pima	11,965	11,844	11,476	11,403	10,970	10,661	10,357	10,035	9,970	9,968	9,823
Pinal	4,564	4,490	4,454	4,471	4,384	4,498	4,497	4,647	4,840	5,127	5,369
Santa Cruz	652	599	621	642	633	617	599	589	508	587	608
Yavapai	1,820	1,943	1,877	1,868	1,796	1,769	1,806	1,693	1,725	1,792	1,765
Yuma	3,116	3,058	3,017	3,004	2,956	3,030	2,945	2,972	2,895	2,836	2,800
Unknown	0	16	10	*	11	9	18	55	97	53	20

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, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA^b	86,586	88,065	86,845	86,228	83,471	82,500	81,056	78,154	79,174	80,121	79,706
Apache	947	872	888	788	722	659	651	542	505	549	526
Cochise	1,077	1,106	1,103	1,124	867	813	612	640	628	560	536
Coconino	1,929	1,993	1,874	1,886	1,821	1,810	1,603	1,533	1,456	1,465	1,490
Gila	460	503	441	489	482	441	432	451	426	370	349
Graham	605	669	624	623	574	562	549	505	561	498	490
Greenlee	0	0	0	0	*	0	0	0	*	*	0
La Paz	*	*	*	7	*	*	6	*	*	*	*
Maricopa	57,529	59,070	58,194	57,481	55,935	55,147	54,369	52,688	53,878	54,509	54,503
Mohave	1,995	2,000	1,949	1,931	1,819	1,833	1,754	1,705	1,760	1,598	1,509
Navajo	1,236	1,272	1,234	1,232	1,197	1,062	1,085	1,104	1,038	1,040	1,024
Pima	13,235	13,124	12,781	12,634	12,233	11,993	11,878	11,289	11,290	11,667	11,695
Pinal	1,743	1,615	1,597	1,689	1,615	1,836	2,003	1,894	1,942	2,110	2,151
Santa Cruz	744	716	720	730	706	702	697	653	496	574	491
Yavapai	1,653	1,770	1,674	1,662	1,607	1,580	1,587	1,499	1,505	1,564	1,443
Yuma	3,385	3,333	3,347	3,331	3,292	3,405	3,177	3,018	3,007	2,975	2,933
Unknown	46	18	415	621	597	654	653	630	677	640	564

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, 2023**

County of residence	County of occurrence															Born in AZ	AZ resident born outside AZ	Total resident births²
	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma			
Apache	394	0	26	0	0	0	0	41	0	172	*	0	0	0	0	634	123	760†
Cochise	0	502	0	0	19	0	0	14	0	0	675	*	0	0	*	1,213	*	1,220†
Coconino	*	0	1,153	0	0	0	0	77	*	12	*	*	0	7	0	1,257	29	1,290†
Gila	0	0	*	297	*	0	0	130	0	0	*	12	0	*	0	448	0	450†
Graham	0	0	0	16	376	0	0	25	0	*	34	*	0	0	0	454	*	460†
Greenlee	0	0	0	0	81	0	0	*	0	0	11	0	0	0	0	93	*	100†
La Paz	0	0	0	0	0	0	*	56	94	0	*	*	0	0	*	156	*	160†
Maricopa	*	*	17	*	*	0	0	49,713	*	*	39	242	10	7	16	50,067	94	50,160†
Mohave	0	0	11	0	0	0	0	101	1,339	0	0	0	0	*	*	1,456	234	1,690†
Navajo	73	0	195	20	0	0	0	95	0	821	*	0	0	0	0	1,205	22	1,230†
Pima	0	10	0	0	*	0	0	79	0	0	9,676	13	19	0	0	9,798	25	9,820†
Pinal	0	*	0	11	0	0	0	3,336	0	*	137	1,865	*	0	*	5,357	12	5,370†
Santa Cruz	0	*	0	0	0	0	0	6	0	0	335	*	265	0	0	608	0	610†
Yavapai	*	*	68	*	0	0	0	261	*	*	*	*	0	1,418	*	1,762	*	1,770†
Yuma	0	0	0	0	0	0	0	67	0	0	*	*	0	0	2,720	2,791	9	2,800†
Unknown	*	*	0	0	0	0	0	11	*	0	*	0	0	0	0	18	*	20
AZ resident	470†	520†	1,470†	350†	480†	0	0†	54,010†	1,450†	1,020†	10,930†	2,140†	300†	1,440†	2,750†	77,320†	560†	77,881
Non-resident born in AZ	52	15	18	*	9	0	0	490	64	7	768	9	196	7	188	1,830†		
Total born in specified county	530†	540†	1,490†	350†	490†	0	0†	54,500†	1,510†	1,020†	11,700†	2,150†	490†	1,440†	2,930†	79,140†		

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 20 births with unknown Arizona county of residence.

**TABLE 5B-6
NUMBER OF BIRTHS BY MONTH AND COUNTY OF RESIDENCE, ARIZONA, 2023**

	TOTAL	Month of birth											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ARIZONA	77,881	6,540	6,010†	6,418	5,961	6,156	6,157	6,583	7,146	6,856	6,830	6,590	6,632
Apache	757	60	48	58	54	70	77	68	61	58	66	58	79
Cochise	1,216	92	90	93	94	104	102	116	123	117	84	97	104
Coconino	1,286	96	97	118	86	114	111	108	108	114	106	125	103
Gila	448	23	41	35	55	41	34	36	36	33	30	50	34
Graham	456	45	32	34	31	37	37	47	44	33	48	42	26
Greenlee	100†	9	*	7	10	8	6	10	12	7	9	8	6
La Paz	158	12	11	11	17	15	11	13	16	15	14	15	8
Maricopa	50,161	4,236	3,916	4,165	3,813	3,953	3,879	4,219	4,538	4,446	4,467	4,244	4,285
Mohave	1,690	127	122	147	127	136	122	140	147	161	164	134	163
Navajo	1,227	95	97	87	101	82	108	100	128	112	112	85	120
Pima	9,823	874	803	812	792	776	788	830	882	803	808	823	832
Pinal	5,369	441	389	445	389	405	469	452	532	467	477	472	431
Santa Cruz	608	56	59	43	41	46	48	54	61	51	54	51	44
Yavapai	1,765	136	121	149	137	152	139	142	177	162	160	147	143
Yuma	2,800	235	178	212	210	216	226	245	280	277	230	237	254
Unknown	20†	*	*	*	*	*	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-7
BIRTHS BY MOTHER'S RACE/ETHNICITY, THE PARTY PAYING FOR THE DELIVERY, AND COUNTY OF RESIDENCE, ARIZONA, 2023**

	ARIZONA	County of residence															
		Apache	Cochise	Cocconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
All racial/ethnic groups	Total	77,881	1,220†	1,286	448	456	97	160†	50,161	1,690†	1,227	9,823	5,369	608	1,765	2,800	20†
	AHCCCS	36,160	617	609	210	192	25	109	21,938	941	856	4,767	2,333	378	876	1,703	12
	IHS	630	*	26	80	18	0	15	158	*	35	109	132	0	6	12	0
	Private Insurance	33,758	104	337	532	211	65	27	23,741	537	275	3,768	2,492	130	685	726	*
	Self-pay	4,538	18	86	93	34	6	*	2,571	192	47	576	287	87	169	338	*
White non-Hispanic	Unknown	2,795	*	175	26	8	*	*	1,753	18	14	603	125	13	29	21	*
	Total	32,036	523	574	220†	250	46	60†	20,766	1,159	490†	3,580†	2,540†	48	1,213	416	20†
	AHCCCS	9,404	66	199	120	121	88	12	38	5,119	598	247	1,214	871	25	526	150
	IHS	30†	0	0	*	0	0	0	*	11	0	*	*	0	0	0	0
	Private Insurance	19,476	59	180	369	75	138	34	17	13,997	400	188	1,871	1,448	14	538	144
Hispanic or Latino	Self-pay	2,060†	7	33	70	20	23	0	*	1,171	149	38	137	159	7	127	112
	Unknown	1,070†	*	111	15	*	*	0	*	468	12	9	353	62	*	22	10
	Total	33,909	50†	630†	215	104	145	50†	60†	21,608	440	150†	5,059	2,090†	556	477	2,270†
	AHCCCS	20,267	39	391	130	59	77	11	51	12,852	285	117	2,959	1,125	351	316	1,503
	IHS	30†	0	*	0	0	0	0	*	6	0	0	13	*	0	0	0
Black or African American	Private Insurance	10,087	13	141	69	36	59	28	8	6,492	112	32	1,503	810	114	119	551
	Self-pay	2,110†	*	52	13	6	9	*	*	1,154	39	*	398	107	80	37	204
	Unknown	1,420†	0	44	*	*	0	*	0	1,104	*	*	186	47	11	*	9
	Total	4,780†	0†	30†	10†	0†	10†	0†	0	3,819	10†	0†	502	335	0†	10†	38
	AHCCCS	3,110†	*	10	9	*	*	0	0	2,530	9	*	324	190	*	6	18
American Indian or Alaska Native	IHS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Private Insurance	1,340†	*	8	*	0	*	*	0	1,054	*	*	128	123	0	*	11
	Self-pay	170†	0	*	0	0	0	0	0	122	*	0	16	14	0	*	7
	Unknown	170†	0	11	0	0	0	0	0	113	0	0	34	8	0	*	0
	Total	3,900†	563	0†	451	120†	50†	0†	30†	1,361	50†	570†	350†	280†	0	37	40†
Asian or Pacific Islander	AHCCCS	2,670†	487	*	343	28	20	*	19	899	40	487	196	101	0	24	21
	IHS	580†	36	0	26	78	18	0	8	140	*	31	93	127	0	6	11
	Private Insurance	560†	26	0	69	11	13	*	*	285	*	45	51	42	0	7	*
	Self-pay	60†	10	0	7	*	*	*	*	20	*	*	*	*	0	0	*
	Unknown	40†	*	*	6	*	0	0	0	17	0	*	*	*	0	0	0
Asian or Pacific Islander	Total	3,260†	10†	30	30†	0†	0†	0†	0†	2,610†	31	10†	337	130†	0†	30†	38
	AHCCCS	710†	*	14	7	0	*	0	*	538	9	*	74	46	*	*	11
	IHS	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
	Private Insurance	2,300†	*	8	21	*	0	*	*	1,913	20	9	215	69	*	19	16
	Self-pay	150†	0	0	*	0	0	0	0	104	0	*	21	*	0	*	11
Unknown	100†	0	8	*	0	0	0	0	51	*	*	27	7	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, 2023**

	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	77,881	39,763	38,118	32,036	16,261	15,775	33,909	17,380	16,529	4,776	2,466	2,310	3,902	2,012	1,890	3,258	1,644	1,614
Apache	757	363	394	133	63	70	53	29	24	0+	0	*	563	268	295	10+	*	*
Cochise	1,216	627	589	523	274	249	629	322	307	30	15	15	0+	*	0	30	12	18
Coconino	1,286	635	651	574	269	305	215	99	116	10+	8	*	451	239	212	33	20	13
Gila	448	224	224	222	117	105	104	48	56	0+	0	*	119	58	61	0+	*	0
Graham	456	248	208	250	136	114	145	75	70	10+	*	0	53	32	21	0+	0	*
Greenlee	97	47	50	46	20	26	45	24	21	0+	*	0	0+	*	*	0+	0	*
La Paz	158	78	80	63	31	32	64	34	30	0	0	0	29	13	16	0+	0	*
Maricopa	50,161	25,657	24,504	20,766	10,555	10,211	21,608	11,105	10,503	3,819	1,979	1,840	1,361	703	658	2,607	1,315	1,292
Mohave	1,690	855	835	1,159	583	576	440	221	219	10+	7	*	48	29	19	31	15	16
Navajo	1,227	623	604	486	248	238	154	74	80	0+	*	*	569	291	278	14	8	6
Pima	9,823	4,994	4,829	3,578	1,823	1,755	5,059	2,558	2,501	502	256	246	347	186	161	337	171	166
Pinal	5,369	2,745	2,624	2,543	1,277	1,266	2,091	1,090	1,001	335	168	167	275	136	139	125	74	51
Santa Cruz	608	295	313	48	23	25	556	270	286	0+	*	0	0	0	0	0+	*	*
Yavapai	1,765	896	869	1,213	623	590	477	237	240	10+	*	7	37	25	12	27	7	20
Yuma	2,800	1,464	1,336	416	210	206	2,268	1,193	1,075	38	20	18	40	24	16	38	17	21
Unknown	20	12	8	16	9	7	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-9
NUMBER OF BIRTHS BY MOTHER'S AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2023**

	Total	Mother's age group									
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
ARIZONA	77,881	30†	850†	2,595	14,878	23,138	22,326	11,373	2,530†	160†	0†
Apache	757	0	18	29	164	202	197	120	27	0	0
Cochise	1,220†	*	17	53	289	363	304	158	29	*	0
Coconino	1,290†	0	12	53	219	353	380	210	55	*	0
Gila	450†	0	11	24	131	124	103	47	7	*	0
Graham	460†	*	8	24	132	167	87	31	*	*	0
Greenlee	100†	0	*	6	35	26	21	6	*	0	0
La Paz	160†	0	*	12	42	52	31	13	7	0	0
Maricopa	50,161	15	481	1,517	8,865	14,753	14,893	7,780	1,739	118	0
Mohave	1,690†	*	16	88	443	532	364	202	43	*	0
Navajo	1,230†	*	32	54	330	343	291	147	29	0	0
Pima	9,820†	*	109	329	1,940	2,861	2,822	1,432	311	17	0
Pinal	5,369	6	67	186	1,085	1,758	1,522	597	141	7	0
Santa Cruz	608	0	11	29	137	179	161	74	17	0	0
Yavapai	1,765	0	21	75	383	542	467	221	47	8	*
Yuma	2,800†	0	46	116	681	881	680	327	65	*	0
Unknown	20†	0	0	0	*	*	*	8	*	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-10
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND COUNTY OF RESIDENCE, ARIZONA, 2023

		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	77,881	30†	851	2,595	14,878	23,138	22,326	11,373	2,527	160†	0†
	White non-Hispanic	32,036	*	127	587	4,640	9,521	10,381	5,513	1,171	90	*
	Hispanic or Latino	33,909	20	556	1,603	8,153	10,545	8,334	3,766	881	51	0
	Black or African American	4,776	*	62	167	925	1,372	1,313	744	183	8	0
	American Indian or Alaska Native	3,902	*	99	212	941	1,017	1,003	530	95	*	0
	Asian or Pacific Islander	3,258	0	7	26	219	683	1,295	820	197	11	0
Apache	Total	760†	0	20†	30†	160†	200†	200†	120	30†	0	0
	White non-Hispanic	130†	0	*	*	25	35	45	19	7	0	0
	Hispanic or Latino	50†	0	*	*	12	13	16	6	*	0	0
	Black or African American	0†	0	0	0	*	0	*	0	0	0	0
	American Indian or Alaska Native	563	0	14	26	125	153	133	95	17	0	0
	Asian or Pacific Islander	10†	0	0	0	*	*	*	0	*	0	0
Cochise	Total	1,220†	0†	20†	50†	290†	360†	304	160†	30†	0†	0
	White non-Hispanic	520†	0	*	17	100	163	145	81	14	*	0
	Hispanic or Latino	630†	*	16	33	175	187	146	60	11	0	0
	Black or African American	30†	0	0	*	11	*	7	*	*	0	0
	American Indian or Alaska Native	0†	0	0	0	*	*	0	*	0	0	0
	Asian or Pacific Islander	30†	0	0	*	*	6	6	11	*	0	0
Coconino	Total	1,290†	0	10†	53	220†	353	380†	210†	60†	0†	0
	White non-Hispanic	570†	0	0	6	58	163	191	122	31	*	0
	Hispanic or Latino	220†	0	*	14	51	64	56	18	7	*	0
	Black or African American	10†	0	0	0	*	6	*	*	0	0	0
	American Indian or Alaska Native	451	0	8	33	106	111	117	60	16	0	0
	Asian or Pacific Islander	30†	0	0	0	*	9	11	9	*	0	0
Gila	Total	450†	0	10†	20†	130†	124	100†	47	10†	0†	0
	White non-Hispanic	220†	0	*	8	59	66	53	24	6	*	0
	Hispanic or Latino	100†	0	*	10	30	31	22	9	0	0	0
	Black or African American	0†	0	0	*	*	0	0	0	0	0	0
	American Indian or Alaska Native	120†	0	*	*	41	27	27	14	*	0	0
	Asian or Pacific Islander	0†	0	0	0	0	0	*	0	0	0	0
Graham	Total	460†	0†	10†	20†	130†	170†	90†	30†	0†	0†	0
	White non-Hispanic	250†	0	*	11	66	99	50	18	*	*	0
	Hispanic or Latino	150†	*	*	7	53	45	26	9	*	0	0
	Black or African American	10†	0	*	*	*	*	0	0	0	0	0
	American Indian or Alaska Native	50†	0	*	*	10	21	10	*	0	*	0
	Asian or Pacific Islander	0†	0	0	0	*	0	*	0	0	0	0
Greenlee	Total	100†	0	0†	10†	40†	30†	21	10†	0†	0	0
	White non-Hispanic	50†	0	0	*	18	11	11	*	0	0	0
	Hispanic or Latino	50†	0	*	*	14	14	10	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
	Asian or Pacific Islander	0†	0	0	0	0	0	0	*	0	0	0
La Paz	Total	160†	0	0†	10†	40†	52	30†	10†	10†	0	0
	White non-Hispanic	60†	0	0	*	14	27	11	6	*	0	0
	Hispanic or Latino	60†	0	0	*	18	19	15	*	*	0	0
	Black or African American	0	0	0	0	0	0	0	0	0	0	0
	American Indian or Alaska Native	30†	0	*	6	9	6	*	*	*	0	0
	Asian or Pacific Islander	0†	0	0	0	*	0	*	0	0	0	0
Maricopa	Total	50,161	20†	480†	1,517	8,865	14,753	14,893	7,780	1,739	120†	0
	White non-Hispanic	20,770†	*	59	283	2,511	6,024	7,121	3,879	822	65	0
	Hispanic or Latino	21,608	11	349	1,022	5,159	6,728	5,274	2,449	579	37	0
	Black or African American	3,820†	*	50	132	728	1,115	1,042	598	146	6	0
	American Indian or Alaska Native	1,360†	0	18	67	310	370	375	189	30	*	0
	Asian or Pacific Islander	2,610†	0	*	13	157	516	1,081	665	162	8	0

TABLE 5B-10 (continued)
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND COUNTY OF RESIDENCE, ARIZONA, 2023

		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	1,690†	0†	20†	90†	440†	530†	360†	200†	40†	0†	0
	White non-Hispanic	1,160†	*	11	54	307	365	254	138	29	0	0
	Hispanic or Latino	440†	0	*	26	113	144	93	48	11	*	0
	Black or African American	10†	0	*	*	*	*	*	*	0	0	0
	American Indian or Alaska Native	50†	0	0	6	15	11	11	*	*	0	0
	Asian or Pacific Islander	30†	0	0	*	*	10	*	11	*	0	0
Navajo	Total	1,230†	0†	30†	50†	330†	340†	290†	150†	30†	0	0
	White non-Hispanic	490†	0	*	21	142	165	98	46	11	0	0
	Hispanic or Latino	150†	0	*	9	42	41	39	15	*	0	0
	Black or African American	0†	0	0	0	0	*	*	0	0	0	0
	American Indian or Alaska Native	570†	*	25	23	143	129	150	84	14	0	0
	Asian or Pacific Islander	10†	0	0	*	*	6	*	*	0	0	0
Pima	Total	9,820†	0†	110†	330†	1,940	2,861	2,822	1,432	311	20†	0
	White non-Hispanic	3,578	0	15	65	519	1,009	1,171	652	137	10	0
	Hispanic or Latino	5,060†	*	75	219	1,203	1,528	1,319	584	125	*	0
	Black or African American	502	0	6	21	105	135	132	82	21	0	0
	American Indian or Alaska Native	347	0	12	19	87	100	81	39	9	0	0
	Asian or Pacific Islander	340†	0	*	*	26	89	119	75	19	*	0
Pinal	Total	5,369	10†	70†	190†	1,085	1,758	1,522	597	140†	10†	0
	White non-Hispanic	2,540†	*	22	49	462	900	738	304	64	*	0
	Hispanic or Latino	2,090†	*	30	107	477	677	557	185	52	*	0
	Black or African American	340†	0	*	8	64	82	108	54	14	*	0
	American Indian or Alaska Native	280†	0	12	18	71	64	73	30	6	*	0
	Asian or Pacific Islander	130†	0	0	*	11	35	46	24	*	0	0
Santa Cruz	Total	610†	0	10†	30†	137	180†	160†	74	20†	0	0
	White non-Hispanic	50†	0	*	*	12	11	14	7	*	0	0
	Hispanic or Latino	556	0	10	28	125	166	146	67	14	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	0	0
	Asian or Pacific Islander	0†	0	0	0	0	*	*	0	*	0	0
Yavapai	Total	1,765	0	20†	75	380†	540†	470†	220†	47	10†	0†
	White non-Hispanic	1,210†	0	6	49	257	364	346	154	31	*	*
	Hispanic or Latino	480†	0	12	26	113	154	98	55	16	*	0
	Black or African American	10†	0	0	0	*	*	*	*	0	0	0
	American Indian or Alaska Native	40†	0	*	0	9	12	11	*	0	0	0
	Asian or Pacific Islander	30†	0	0	0	*	8	8	9	0	0	0
Yuma	Total	2,800†	0	50†	120†	680†	880†	680	330†	70†	0†	0
	White non-Hispanic	420†	0	*	18	89	117	130	53	8	0	0
	Hispanic or Latino	2,270†	0	43	93	567	734	517	256	54	*	0
	Black or African American	40†	0	*	*	*	18	10	*	*	0	0
	American Indian or Alaska Native	40†	0	0	*	12	10	11	*	0	0	0
	Asian or Pacific Islander	40†	0	*	0	8	*	12	13	*	0	0
Unknown	Total	20†	0	0	0	0†	0†	0†	10†	0†	0	0†
	White non-Hispanic	20†	0	0	0	*	*	*	*	*	0	*
	Hispanic or Latino	0†	0	0	0	*	0	0	0	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	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, 2023**

	Total		No care		1st trimester		2nd trimester		3rd trimester		Unknown	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
ARIZONA	77,881	100.0	1,840†	2.4	55,608	71.4	13,832	17.8	4,635	6.0	1,965	0.2
Apache	757	100.0	23	3.0	458	60.5	184	24.3	55	7.3	37	4.9
Cochise	1,216	100.0	55	4.5	640	52.6	366	30.1	123	10.1	32	2.6
Coconino	1,286	100.0	15	1.2	934	72.6	245	19.1	64	5.0	28	2.2
Gila	448	100.0	16	3.6	273	60.9	94	21.0	42	9.4	23	5.1
Graham	456	100.0	*	**	298	65.4	103	22.6	44	9.6	6	1.3
Greenlee	97	100.0	*	**	67	69.1	21	21.6	7	7.2	0	0.0
La Paz	158	100.0	14	8.9	87	55.1	36	22.8	9	5.7	12	7.6
Maricopa	50,161	100.0	1,009	2.0	36,673	73.1	8,458	16.9	2,724	5.4	1,297	2.6
Mohave	1,690	100.0	30	1.8	1,262	74.7	272	16.1	86	5.1	40	2.4
Navajo	1,227	100.0	26	2.1	820	66.8	281	22.9	71	5.8	29	2.4
Pima	9,823	100.0	327	3.3	6,685	68.1	1,874	19.1	661	6.7	276	2.8
Pinal	5,369	100.0	74	1.4	4,027	75.0	832	15.5	298	5.6	138	2.6
Santa Cruz	608	100.0	53	8.7	304	50.0	129	21.2	108	17.8	14	2.3
Yavapai	1,765	100.0	27	1.5	1,397	79.2	259	14.7	65	3.7	17	1.0
Yuma	2,800	100.0	160	5.7	1,677	59.9	672	24.0	278	9.9	13	0.5
Unknown	20	100.0	*	**	6	30.0	6	30.0	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.

**TABLE 5B-12
BIRTHS BY NUMBER OF PRENATAL VISITS AND COUNTY OF RESIDENCE, ARIZONA, 2023**

	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	%	Count	%		
ARIZONA	77,881	100.0	1,840†	2.4	3,699	4.7	12,997	16.7	34,725	44.6	23,882	30.7	740†	0.9		
Apache	757	100.0	23	3.0	60	7.9	144	19.0	334	44.1	160	21.1	36	4.8		
Cochise	1,216	100.0	55	4.5	97	8.0	294	24.2	536	44.1	226	18.6	8	0.7		
Coconino	1,286	100.0	15	1.2	80	6.2	251	19.5	635	49.4	293	22.8	12	0.9		
Gila	448	100.0	16	3.6	45	10.0	112	25.0	190	42.4	77	17.2	8	1.8		
Graham	456	100.0	*	**	43	9.4	116	25.4	194	42.5	97	21.3	*	**		
Greenlee	97	100.0	*	**	6	6.2	23	23.7	47	48.5	19	19.6	0	0.0		
La Paz	158	100.0	14	8.9	8	5.1	35	22.2	59	37.3	40	25.3	*	**		
Maricopa	50,161	100.0	1,009	2.0	2,145	4.3	7,884	15.7	22,543	44.9	16,082	32.1	498	1.0		
Mohave	1,690	100.0	30	1.8	72	4.3	337	19.9	763	45.1	476	28.2	12	0.7		
Navajo	1,227	100.0	26	2.1	84	6.8	267	21.8	546	44.5	295	24.0	9	0.7		
Pima	9,823	100.0	327	3.3	564	5.7	1,841	18.7	4,428	45.1	2,591	26.4	72	0.7		
Pinal	5,369	100.0	74	1.4	207	3.9	773	14.4	2,083	38.8	2,175	40.5	57	1.1		
Santa Cruz	608	100.0	53	8.7	78	12.8	176	28.9	206	33.9	87	14.3	8	1.3		
Yavapai	1,765	100.0	27	1.5	52	2.9	194	11.0	808	45.8	680	38.5	*	**		
Yuma	2,800	100.0	160	5.7	157	5.6	546	19.5	1,348	48.1	582	20.8	7	0.3		
Unknown	20	100.0	*	**	*	**	*	**	*	**	*	**	*	**	*	**

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.

**TABLE 5B-13
BIRTHS BY MOTHER'S EDUCATION AND COUNTY OF RESIDENCE, ARIZONA, 2023**

	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	77,881	1,910†	8,513	22,221	15,889	6,707	14,840†	7,210†	590†
Apache	757	7	100	258	212	87	68	22	*
Cochise	1,216	28	133	373	299	139	178	63	*
Coconino	1,286	13	120	364	267	99	256	162	*
Gila	448	9	77	161	112	49	24	14	*
Graham	456	7	46	155	107	78	49	12	*
Greenlee	97	*	10	29	27	12	10	8	0
La Paz	158	6	31	72	35	6	*	*	*
Maricopa	50,161	1,421	5,194	13,491	9,484	4,181	10,586	5,401	403
Mohave	1,690	42	236	655	388	164	139	50	16
Navajo	1,227	16	195	417	331	131	103	32	*
Pima	9,823	147	1,057	2,822	2,142	768	1,847	943	97
Pinal	5,369	65	596	1,704	1,360	514	874	231	25
Santa Cruz	608	17	90	200	106	59	106	24	6
Yavapai	1,765	28	213	572	411	156	271	106	8
Yuma	2,800	107	414	945	605	264	319	141	*
Unknown	20	0	*	*	*	0	*	0	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.

TABLE 5B-14
BIRTHS TO UNWED MOTHERS BY AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2023

	Total	Mother's age group								
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
ARIZONA	35,407	30†	3,230	10,708	10,234	7,070†	3,336	770†	40†	0†
Apache	542	0	47	140	149	120	71	15	0	0
Cochise	549	*	62	190	149	88	47	11	*	0
Coconino	596	0	61	155	160	132	64	22	*	0
Gila	276	0	34	104	67	49	20	*	0	0
Graham	207	*	31	76	57	31	10	0	*	0
Greenlee	39	0	6	22	8	*	0	0	0	0
La Paz	104	0	11	36	32	14	8	*	0	0
Maricopa	22,098	15	1,872	6,478	6,553	4,485	2,161	508	26	0
Mohave	930	*	96	328	262	152	75	16	0	0
Navajo	697	*	80	224	153	151	71	17	0	0
Pima	4,603	*	413	1,442	1,273	937	436	98	*	0
Pinal	2,395	6	240	745	697	491	184	30	*	0
Santa Cruz	311	0	38	96	84	62	22	9	0	0
Yavapai	760	0	87	237	218	134	64	16	*	*
Yuma	1,292	0	152	433	370	217	100	19	*	0
Unknown	8	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, 2023**

	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	35,407	9,762	19,066	2,940†	3,080†	550†	1,130†	6,460†	13,965	7,683	2,570†	2,590†	770†	240†
Apache	542	49	30	*	461	*	6	94	200	151	51	30	8	*
Cochise	549	164	355	16	*	11	16	102	214	120	55	35	6	*
Coconino	596	137	107	6	344	*	9	97	250	144	46	39	11	0
Gila	276	109	67	*	98	0	6	68	117	60	19	*	*	*
Graham	207	79	85	*	38	*	6	33	88	49	23	6	*	*
Greenlee	39	13	23	0	*	0	*	*	15	12	*	*	*	0
La Paz	104	36	42	0	26	0	*	28	46	23	*	*	0	*
Maricopa	22,098	5,739	12,460	2,419	1,067	413	854	3,910	8,534	4,616	1,624	1,814	566	180
Mohave	930	622	250	11	38	9	26	172	426	195	63	37	7	*
Navajo	697	167	86	*	440	*	11	155	291	169	43	22	*	*
Pima	4,603	1,149	2,840	264	287	63	86	838	1,863	1,085	298	316	88	29
Pinal	2,395	873	1,076	192	217	37	38	471	981	564	172	129	31	9
Santa Cruz	311	17	293	0	0	*	9	57	116	58	27	37	*	*
Yavapai	760	475	243	6	29	7	16	166	315	159	40	48	13	*
Yuma	1,292	129	1,108	18	31	6	45	264	506	275	106	66	28	*
Unknown	8	*	*	*	*	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, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA^a	5,849	6,069	6,093	6,186	6,109	6,106	5,829	5,650	6,140	6,113	6,284
Apache	53	66	53	79	73	79	66	76	61	56	74
Cochise	122	129	133	130	105	105	103	92	120	100	99
Coconino	117	123	143	128	136	112	101	94	106	113	102
Gila	49	44	66	49	59	56	49	42	41	47	41
Graham	47	43	42	48	41	47	42	42	41	35	26
Greenlee	7	7	8	8	16	14	12	11	17	16	*
La Paz	14	16	12	14	7	13	16	13	10	13	16
Maricopa	3,707	3,854	3,896	3,965	3,956	3,881	3,667	3,583	3,934	3,925	4,099
Mohave	111	114	140	128	126	123	112	134	124	141	122
Navajo	131	134	128	130	146	125	123	92	119	106	92
Pima	845	860	788	803	794	887	851	819	849	818	846
Pinal	298	339	322	292	311	325	327	302	348	340	384
Santa Cruz	46	38	41	58	41	33	40	51	35	50	32
Yavapai	139	121	125	144	134	120	135	111	129	139	137
Yuma	163	179	193	210	163	184	185	182	195	208	206

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,
2013-2023

County of residence	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	68.8	70.0	71.7	73.3	74.8	75.8	73.6	73.6	78.9	78.0	80.7
URBAN COUNTIES	68.2	70.1	70.7	72.3	73.8	75.5	73.1	73.1	78.4	77.2	81.2
Maricopa	68.8	69.7	71.4	73.4	75.4	75.1	71.9	72.8	78.3	77.6	81.7
Pima	70.6	75.5	68.7	70.4	72.4	83.2	82.2	81.6	85.2	82.1	86.1
Pinal^b	65.3	72.6	72.3	65.3	70.9	72.3	72.7	65.0	71.9	66.3	71.5
Yuma	52.3	58.5	64.0	69.9	55.1	60.7	62.8	61.2	67.4	73.3	73.6
RURAL COUNTIES	72.9	69.8	77.7	79.6	81.3	77.7	77.1	76.7	81.9	83.3	76.6
Apache	55.7	64.8	55.6	77.3	77.2	86.8	73.7	96.8	80.1	76.2	97.8
Cochise	75.9	78.5	84.9	84.9	78.9	77.9	76.6	72.3	96.2	81.1	81.4
Coconino	72.0	72.3	90.8	79.3	90.3	74.7	73.9	70.7	81.5	85.9	79.3
Gila	83.1	67.8	113.8	82.6	109.1	112.7	103.6	89.2	90.7	105.6	91.5
Graham	78.3	71.3	72.4	86.0	77.4	91.6	85.2	90.5	78.5	75.3	57.0
Greenlee	56.0	48.6	51.9	53.7	102.6	107.7	96.8	90.9	145.3	140.4	30.9
La Paz	68.6	75.1	60.3	62.8	36.1	69.5	86.0	84.4	60.6	81.3	101.3
Mohave	63.7	62.2	75.9	71.0	72.7	68.7	64.9	79.0	68.8	82.0	72.2
Navajo	84.4	83.3	84.4	86.8	96.9	90.6	90.8	70.5	98.3	86.1	75.0
Santa Cruz	70.7	63.4	66.0	90.3	64.8	53.5	66.8	86.6	68.9	85.2	52.6
Yavapai	76.4	62.3	66.6	77.1	74.6	67.8	74.8	65.6	74.8	77.6	77.6

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, 2023

	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	6,280†	2,350†	2,650†	620†	310†	360†
Apache	74	15	9	0	50	0
Cochise	99	42	46	6	0	*
Coconino	102	44	23	0	31	*
Gila	41	20	9	*	10	0
Graham	26	16	8	*	*	0
Greenlee	3	*	*	0	0	0
La Paz	16	*	6	0	*	*
Maricopa	4,099	1,475	1,695	510	122	297
Mohave	122	83	29	0	6	*
Navajo	92	41	14	0	35	*
Pima	846	305	414	67	29	31
Pinal	384	172	152	33	18	9
Santa Cruz	32	*	31	0	0	0
Yavapai	137	87	46	0	*	*
Yuma	206	33	163	*	*	*
Unknown	5	*	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-19
LOW-BIRTHWEIGHT BIRTHS BY MOTHER'S AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2023

	Total	Mother's age group							
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+
ARIZONA	6,284	0†	330†	1,130†	1,648	1,770†	1,065	310†	40†
Apache	74	0	7	11	20	18	13	*	0
Cochise	99	0	*	19	24	30	19	*	0
Coconino	102	0	*	21	32	23	15	6	*
Gila	41	0	*	12	9	10	6	*	0
Graham	26	0	*	7	11	*	0	0	*
Greenlee	3	0	0	0	0	*	0	0	0
La Paz	16	0	*	*	7	*	0	*	0
Maricopa	4,099	*	204	675	1,071	1,203	708	214	22
Mohave	122	0	*	32	38	19	29	*	0
Navajo	92	0	*	24	26	21	11	6	0
Pima	846	0	43	180	209	222	141	46	*
Pinal	384	0	27	73	108	112	59	*	0
Santa Cruz	32	0	*	*	12	*	8	*	0
Yavapai	137	0	9	27	34	37	23	*	*
Yuma	206	0	20	40	46	57	32	7	*
Unknown	5	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-20
TOTAL BIRTHS AND LOW-BIRTHWEIGHT BIRTHS BY THE PARTY PAYING FOR THE DELIVERY AND COUNTY OF RESIDENCE,
ARIZONA, 2023**

TOTAL	ALL GROUPS	Weight at birth	ARIZONA																								
			Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown									
			74	99	102	41	26	*	16	4,099	122	92	846	384	32	137	206	*									
			6,280†	<2,500 g																							
Payer for birth	AHCCCS ^a	Weight at birth	683	1,111	1,184	407	430	94	142	46,046	1,565	1,133	8,963	4,982	575	1,625	2,594	14									
		Unknown	50†	0	6	0	0	0	0	0	16	*	*	14	*	*	*	0	*								
		Total	77,881	757	1,216	1,286	448	456	100†	158	50,161	1,690	1,227	9,823	5,369	608	1,765	2,800	20†								
		Weight at birth	3,240†	58	46	54	24	14	*	14	2,011	73	63	455	189	19	79	131	*								
IHS	Private insurance	Weight at birth	32,910	536	569	555	186	178	24	95	19,922	868	793	4,306	2,144	358	797	1,572	7								
		Unknown	10†	0	*	0	0	0	0	0	*	0	0	6	0	*	0	0	0								
		Total	36,160	594	617	609	210	192	30†	109	21,938	941	856	4,767	2,333	378	876	1,703	10†								
		Weight at birth	40†	11	0	0	*	0	0	*	8	0	*	6	*	0	0	0	0	0							
Self-pay	Unknown	Weight at birth	590†	25	*	26	76	18	0	14	150	*	33	103	128	0	6	12	0								
		Unknown	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0								
		Total	630†	36	0†	26	80†	18	0	20†	158	0†	40†	109	130†	0	6	12	0								
		Weight at birth	2,550†	*	28	34	11	12	*	*	1,820	36	21	305	168	*	51	49	0								
Unknown	Unknown	Weight at birth	31,207	100	309	498	112	199	63	26	21,919	501	254	3,461	2,324	125	634	677	*								
		Unknown	0†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0								
		Total	33,758	100†	337	532	123	211	70†	30†	23,741	537	275	3,768	2,492	130†	685	726	10†								
		Weight at birth	280†	*	8	9	*	0	0	0	0	147	13	6	43	17	6	7	24	0							
Unknown	Unknown	Weight at birth	4,230†	17	74	84	25	34	6	*	2,418	176	40	530	267	81	160	314	*								
		Unknown	20†	0	*	0	0	0	0	0	6	*	*	*	*	0	*	0	0	0							
		Total	4,540†	20†	86	93	30†	34	6	10†	2,571	192	47	576	287	87	169	338	0†								
		Weight at birth	180†	0	17	*	0	0	0	0	0	113	0	*	37	6	*	0	*	0							
Unknown	Unknown	Weight at birth	2,600†	*	158	21	8	*	*	*	1,637	18	13	563	119	11	28	19	0								
		Unknown	10†	0	0	0	0	0	0	0	*	0	0	*	0	0	*	0	*	*							
		Total	2,800†	10†	175	30†	8	0†	0†	0†	0†	1,753	18	10†	603	125	10†	29	20†	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 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, 2023

			Prenatal visits						Total
			No visits	1-4 visits	5-8 visits	9-12 visits	13+ visits	Unknown	
Apache	Births <2,500 grams (LBW)	Count	*	9	18	20	7	15	70†
		Share of LBW births ^a	6.8%	12.2%	24.3%	27.0%	9.5%	20.3%	100.0%
		LBW risk ^b	21.7%	15.0%	12.5%	6.0%	4.4%	41.7%	9.8%
	Total births	Count	23	60	144	334	160	36	757
Cochise	Births <2,500 grams (LBW)	Count	*	13	31	29	16	*	100†
		Share of LBW births ^a	5.1%	13.1%	31.3%	29.3%	16.2%	5.1%	100.0%
		LBW risk ^b	9.1%	13.4%	10.5%	5.4%	7.1%	62.5%	8.1%
	Total births	Count	55	97	294	536	226	8	1,216
Coconino	Births <2,500 grams (LBW)	Count	*	14	31	41	13	0	100†
		Share of LBW births ^a	2.9%	13.7%	30.4%	40.2%	12.7%	0.0%	100.0%
		LBW risk ^b	20.0%	17.5%	12.4%	6.5%	4.4%	0.0%	7.9%
	Total births	Count	15	80	251	635	293	12	1,286
Gila	Births <2,500 grams (LBW)	Count	*	*	15	12	*	*	40†
		Share of LBW births ^a	9.8%	4.9%	36.6%	29.3%	12.2%	7.3%	100.0%
		LBW risk ^b	25.0%	4.4%	13.4%	6.3%	6.5%	37.5%	9.2%
	Total births	Count	16	45	112	190	77	8	448
Graham	Births <2,500 grams (LBW)	Count	*	*	11	7	*	0	30†
		Share of LBW births ^a	3.8%	15.4%	42.3%	26.9%	11.5%	0.0%	100.0%
		LBW risk ^b	20.0%	9.3%	9.5%	3.6%	3.1%	0.0%	5.7%
	Total births	Count	*	43	116	194	97	*	460†
Greenlee	Births <2,500 grams (LBW)	Count	0	0	*	0	*	0	0†
		Share of LBW births ^a	0.0%	0.0%	66.7%	0.0%	33.3%	0.0%	100.0%
		LBW risk ^b	0.0%	0.0%	8.7%	0.0%	5.3%	0.0%	3.1%
	Total births	Count	*	6	23	47	19	0	100†
La Paz	Births <2,500 grams (LBW)	Count	*	*	*	*	*	*	20†
		Share of LBW births ^a	18.8%	6.3%	25.0%	31.3%	12.5%	6.3%	100.0%
		LBW risk ^b	21.4%	12.5%	11.4%	8.5%	5.0%	50.0%	10.1%
	Total births	Count	14	8	35	59	40	*	158
Maricopa	Births <2,500 grams (LBW)	Count	207	369	1,137	1,482	841	63	4,099
		Share of LBW births ^a	5.1%	9.0%	27.7%	36.2%	20.5%	1.5%	100.0%
		LBW risk ^b	20.5%	17.2%	14.4%	6.6%	5.2%	12.7%	8.2%
	Total births	Count	1,009	2,145	7,884	22,543	16,082	498	50,161
Mohave	Births <2,500 grams (LBW)	Count	*	16	36	45	19	*	120†
		Share of LBW births ^a	4.1%	13.1%	29.5%	36.9%	15.6%	0.8%	100.0%
		LBW risk ^b	16.7%	22.2%	10.7%	5.9%	4.0%	8.3%	7.2%
	Total births	Count	30	72	337	763	476	12	1,690
Navajo	Births <2,500 grams (LBW)	Count	7	11	21	34	18	*	92
		Share of LBW births ^a	7.6%	12.0%	22.8%	37.0%	19.6%	1.1%	100.0%
		LBW risk ^b	26.9%	13.1%	7.9%	6.2%	6.1%	11.1%	7.5%
	Total births	Count	26	84	267	546	295	9	1,227
Pima	Births <2,500 grams (LBW)	Count	53	110	271	272	128	12	846
		Share of LBW births ^a	6.3%	13.0%	32.0%	32.2%	15.1%	1.4%	100.0%
		LBW risk ^b	16.2%	19.5%	14.7%	6.1%	4.9%	16.7%	8.6%
	Total births	Count	327	564	1,841	4,428	2,591	72	9,823
Pinal	Births <2,500 grams (LBW)	Count	10	21	101	125	120	7	384
		Share of LBW births ^a	2.6%	5.5%	26.3%	32.6%	31.3%	1.8%	100.0%
		LBW risk ^b	13.5%	10.1%	13.1%	6.0%	5.5%	12.3%	7.2%
	Total births	Count	74	207	773	2,083	2,175	57	5,369
Santa Cruz	Births <2,500 grams (LBW)	Count	6	*	10	*	7	0	30†
		Share of LBW births ^a	18.8%	15.6%	31.3%	12.5%	21.9%	0.0%	100.0%
		LBW risk ^b	11.3%	6.4%	5.7%	1.9%	8.0%	0.0%	5.3%
	Total births	Count	53	78	176	206	87	8	608
Yavapai	Births <2,500 grams (LBW)	Count	*	15	22	66	29	*	140†
		Share of LBW births ^a	2.2%	10.9%	16.1%	48.2%	21.2%	1.5%	100.0%
		LBW risk ^b	11.1%	28.8%	11.3%	8.2%	4.3%	50.0%	7.8%
	Total births	Count	27	52	194	808	680	*	1,765
Yuma	Births <2,500 grams (LBW)	Count	19	33	69	61	24	0	206
		Share of LBW births ^a	9.2%	16.0%	33.5%	29.6%	11.7%	0.0%	100.0%
		LBW risk ^b	11.9%	21.0%	12.6%	4.5%	4.1%	0.0%	7.4%
	Total births	Count	160	157	546	1,348	582	7	2,800
Unknown	Births <2,500 grams (LBW)	Count	*	0	*	0	*	*	10†
		Share of LBW births ^a	20.0%	0.0%	40.0%	0.0%	20.0%	20.0%	100.0%
		LBW risk ^b	20.0%	0.0%	50.0%	0.0%	50.0%	33.3%	25.0%
	Total births	Count	*	*	*	*	*	*	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 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^a OF PRENATAL VISITS DURING PREGNANCY ACCORDING TO SELECTED CHARACTERISTICS OF
NEWBORNS AND MOTHERS GIVING BIRTH BY COUNTY OF RESIDENCE, ARIZONA, 2023

	Total	Marital status			Payer for births				Mother's race/ethnicity					Length of gestation				Weight at birth			Newborn intensive care		
		Married	Unmarried	Unknown	AHCCCS ^b	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	9.9	10.6	10.0	11.8	10.3	11.0	11.6	10.8	10.7	10.1	11.5	9.6	11.3	11.4	7.0	9.7	11.3	9.0	10.2	11.2
Apache	10.2	10.6	10.0	6.5	10.2	9.0	10.6	8.5	11.0	10.3	8.8	6.5	10.3	8.2	8.3	10.4	0.0	4.0	8.0	10.3	0.0	9.0	10.3
Cochise	9.8	10.2	9.2	6.2	9.1	12.0	10.6	8.6	10.7	10.6	9.0	10.2	6.5	9.6	8.4	9.9	5.8	7.0	8.8	9.9	6.3	9.9	9.7
Coconino	10.3	10.8	9.7	8.5	9.6	10.7	11.0	11.1	10.0	10.9	10.0	9.1	9.8	9.2	8.3	10.5	12.5	0.0	9.2	10.4	0.0	8.4	10.4
Gila	9.6	9.9	9.4	10.0	9.9	8.4	10.1	8.7	8.8	10.1	10.0	8.5	8.4	13.0	9.6	9.6	15.0	0.0	9.4	9.6	0.0	10.9	9.5
Graham	9.7	10.2	9.3	4.3	9.0	6.4	10.3	11.3	15.0	10.3	10.0	6.6	6.5	8.0	9.1	9.8	10.0	0.0	8.3	9.8	0.0	7.8	9.8
Greenlee	9.8	9.9	9.7	0.0	8.5	0.0	10.4	8.2	14.0	9.7	10.5	7.0	4.5	8.0	7.5	10.0	0.0	0.0	9.0	9.8	0.0	14.0	9.6
La Paz	10.3	10.8	9.9	8.0	10.1	9.4	11.4	9.0	11.0	10.8	10.4	0.0	8.5	11.0	7.8	10.5	0.0	0.0	9.2	10.4	0.0	7.9	10.4
Maricopa	11.3	11.7	10.9	10.2	10.8	11.7	11.9	10.6	10.9	11.7	11.0	10.9	10.8	11.7	9.8	11.5	11.5	5.8	9.9	11.5	6.5	10.3	11.4
Mohave	10.7	11.1	10.4	9.3	10.5	11.0	11.4	10.0	10.1	11.0	10.2	10.6	9.6	10.6	9.1	10.9	8.8	4.0	9.4	10.8	10.7	9.2	10.8
Navajo	10.3	10.9	9.9	7.8	10.0	9.6	11.4	9.7	10.3	11.2	10.6	9.5	9.5	7.9	8.4	10.4	10.5	0.0	9.4	10.4	8.5	10.6	10.2
Pima	10.5	11.1	9.9	9.6	10.0	7.8	11.4	9.1	11.2	11.1	10.4	9.5	8.6	10.6	8.8	10.7	9.8	12.0	8.8	10.7	11.8	9.5	10.6
Pinal	12.1	12.3	11.8	10.2	11.9	11.5	12.5	10.7	11.9	12.4	11.9	11.5	11.9	12.6	11.0	12.2	10.7	8.4	11.3	12.2	15.0	12.3	12.1
Santa Cruz	8.8	8.9	8.8	0.0	8.7	0.0	9.9	7.5	9.1	9.0	8.8	5.0	0.0	12.0	8.8	8.9	0.0	0.0	9.6	8.8	0.0	9.1	8.8
Yavapai	11.5	11.9	11.0	11.5	11.1	11.8	12.0	11.4	11.8	11.8	11.0	11.7	9.4	10.7	10.2	11.6	14.7	15.0	10.2	11.6	5.0	10.6	11.6
Yuma	10.2	10.5	9.9	10.1	10.0	9.2	10.9	10.0	10.3	10.5	10.2	9.6	8.7	10.0	8.2	10.4	14.5	0.0	8.5	10.4	0.0	8.9	10.4
Unknown	9.1	0.0	8.5	9.7	8.7	0.0	10.5	6.0	0.0	9.3	6.0	6.0	11.5	0.0	6.0	9.4	0.0	0.0	9.0	9.1	0.0	6.0	9.7

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, 2023

	Total				Gestational age							
	Total	Gestational age			Preterm, <37 weeks				37 weeks or more			
		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	77,881	7,684	70,103	90†	7,684	4,240†	3,430†	10†	70,103	2,030†	68,044	30†
Apache	757	105	649	*	105	53	52	0	649	21	628	0
Cochise	1,216	123	1,088	*	123	65	57	*	1,088	33	1,052	*
Coconino	1,286	115	1,171	0	115	68	47	0	1,171	34	1,137	0
Gila	448	47	399	*	47	25	22	0	399	15	384	0
Graham	456	41	415	0	41	16	25	0	415	10	405	0
Greenlee	97	6	91	0	10†	*	*	0	91	*	90	0
La Paz	158	21	136	*	21	12	9	0	136	*	133	0
Maricopa	50,161	5,026	45,093	42	5,026	2,809	2,216	*	45,093	1,284	43,795	14
Mohave	1,690	162	1,520	8	162	82	80	0	1,520	40	1,477	*
Navajo	1,227	92	1,130	*	92	47	45	0	1,130	45	1,083	*
Pima	9,823	984	8,826	13	984	557	425	*	8,826	286	8,533	7
Pinal	5,369	506	4,857	6	506	262	243	*	4,857	121	4,735	*
Santa Cruz	608	42	565	*	42	22	19	*	565	10	555	0
Yavapai	1,765	165	1,596	*	165	82	83	0	1,596	55	1,538	*
Yuma	2,800	247	2,551	*	247	140	107	0	2,551	65	2,486	0
Unknown	20	*	16	*	2	*	0	0	16	*	13	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, 2023**

	Total	Gestational age			Weight at birth		
		Preterm, <37 weeks	Not Preterm	Unknown	<2,500 grams	2,500+ grams	Unknown
ARIZONA	6,075	3,430†	2,620†	20†	2,890†	3,180†	10†
Apache	76	49	27	0	37	39	0
Cochise	135	72	62	*	61	74	0
Coconino	74	48	26	0	42	32	0
Gila	37	23	14	0	20	17	0
Graham	30	16	14	0	11	19	0
Greenlee	10†	*	*	0	*	*	0
La Paz	10†	8	*	*	8	*	0
Maricopa	3,530	2,071	1,449	10	1,777	1,753	0
Mohave	91	71	20	0	56	35	0
Navajo	115	38	77	0	36	79	0
Pima	1,043	522	517	*	437	602	*
Pinal	431	242	187	*	185	246	0
Santa Cruz	44	26	18	0	18	25	*
Yavapai	175	86	88	*	63	112	0
Yuma	271	159	112	0	137	134	0
Unknown	10†	*	*	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-25
MEDICAL AND OTHER RISK FACTORS BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2023**

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total	23,521	411	406	410	179	136	31	37	13,893	340	488	3,990	1,686	218	374	917	5
Births with medical risk factors																	
Pre-existing diabetes	1,090†	45	16	20	10	9	*	*	593	13	63	162	81	10	26	39	0
Gestational diabetes	8,060†	183	122	174	45	29	9	10	4,888	151	175	1,105	647	59	118	343	*
Pre-existing hypertension	1,640†	38	34	26	14	9	*	*	903	38	29	318	135	12	29	52	0
Gestational hypertension	8,060†	145	135	153	77	56	9	12	4,825	92	219	1,263	613	64	118	280	*
Eclampsia	120†	0	*	*	*	0	0	0	95	6	*	*	*	0	*	*	0
Previous preterm birth	3,520†	53	63	46	29	15	*	6	1,982	38	77	614	237	41	88	224	0
Other previous poor pregnancy outcome	4,490†	46	113	24	12	41	9	*	2,447	18	13	1,445	186	59	29	50	0
Gonorrhea	200†	11	*	*	*	*	0	*	104	*	*	38	13	*	0	10	*
Syphilis	460†	20	7	16	14	*	0	*	258	7	18	61	16	*	6	24	*
Chlamydia	1,870†	44	27	36	20	9	6	8	1,075	26	46	244	147	24	22	132	*
Hepatitis B	90†	0	0	*	0	0	0	0	64	*	*	13	7	0	*	*	0
Hepatitis C	190†	*	*	*	0	*	*	0	95	*	*	45	17	*	11	*	*
Substance use																	
Non-smoker	75,608	613	1,163	1,231	415	423	86	144	49,308	1,349	1,160	9,450	5,222	604	1,666	2,763	11
Light smoker (less than 10 cigarettes per day)	960†	14	35	19	17	24	*	6	408	49	25	216	71	*	48	18	*
Heavy smoker (10 or more cigarettes per day)	690†	7	15	6	14	7	*	6	318	57	20	110	62	*	48	10	*
Unknown	630†	123	*	30	*	*	*	*	127	235	22	47	14	0	*	9	*
Total births	77,881	757	1,216	1,286	448	456	97	158	50,161	1,690	1,227	9,823	5,369	608	1,765	2,800	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.

**TABLE 5B-26
OBSTETRIC PROCEDURES AND METHOD OF DELIVERY BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2023**

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total	40,883	452	664	686	246	287	59	35	25,677	810	711	5,741	2,752	347	734	1,675	7
Obstetric procedures																	
Induction of labor	25,030†	271	451	449	168	197	38	25	15,520	490	450	3,360	1,863	180	517	1,045	*
Augmentation of labor	22,500†	222	316	358	108	91	20	14	14,858	340	302	2,781	1,379	221	285	1,196	*
Cervical cerclage	160†	*	*	*	0	*	*	0	95	*	*	28	13	*	*	6	0
Tocolysis	270†	24	*	*	*	6	0	0	158	*	51	11	9	0	*	0	0
External cephalic version successful	90†	6	*	*	*	0	0	0	54	*	*	9	8	*	*	*	0
External cephalic version failed	200†	*	*	9	*	0	0	0	139	0	6	17	10	*	*	*	0
Method of delivery																	
Vaginal	53,372	567	843	949	305	328	74	119	34,376	1,103	913	6,600	3,677	364	1,209	1,931	14
C-Section	22,600†	177	348	305	120	105	20	37	14,718	454	280	2,883	1,610	211	494	829	*
Forceps	250†	*	*	*	*	0	0	0	129	7	*	80	12	8	*	0	0
Vacuum	1,660†	9	24	30	21	23	*	*	935	126	32	259	70	25	57	40	*
Unknown	10†	*	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.

**TABLE 5B-27
COMPLICATIONS OF LABOR AND/OR DELIVERY BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2023**

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total	26,048	298	363	380	180	77	15	31	17,289	359	348	3,278	1,581	190	472	1,179	8
Complications of labor and/or delivery																	
Premature rupture of the membranes	4,360+	62	69	85	28	14	*	6	2,595	66	46	731	305	32	117	198	*
Precipitous labor	5,850+	81	80	60	45	*	0	*	3,995	68	106	612	247	33	78	433	*
Prolonged labor	2,150+	28	75	40	18	*	*	*	1,330	34	59	310	133	19	45	50	0
Breech presentation	3,250+	40	38	53	17	18	*	6	2,092	71	34	391	236	24	101	123	0
Chorioamnionitis	1,790+	16	20	22	*	7	*	*	1,074	15	14	325	97	26	15	148	0
Meconium staining of the amniotic fluid	5,400+	55	50	78	39	8	*	9	3,720	63	86	493	459	35	61	234	*
Fetal intolerance	8,490+	67	107	115	74	33	*	8	6,089	79	45	1,062	434	46	137	190	0
Maternal transfusion	580+	18	8	14	11	6	*	*	263	12	15	77	48	10	13	78	0
Third or fourth degree perineal laceration	370+	7	6	6	*	0	0	*	236	*	*	59	19	*	9	12	0
Ruptured uterus	30+	0	0	0	0	*	0	0	22	*	0	*	*	0	*	0	0
Unplanned Hysterectomy	50+	*		0	0	0	0	0	22	*	*	*	*	0	*	*	0
Admission to intensive care unit	130+	*	*	*	*	*	0	0	83	*	*	18	6	0	*	*	0
Unplanned surgery following delivery	200+	7	*	9	*	*	0	0	101	6	*	22	12	0	6	22	*

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, 2023

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total	4,300†	89	111	66	42	28	*	*	2,086	86	120	856	380	70	161	190	*
Abnormal conditions of the newborn																	
Assisted ventilation immediately after delivery	3,430†	51	91	61	33	25	*	*	1,572	69	81	769	321	65	145	134	*
Assisted ventilation for more than 6 hours	2,090†	40	63	22	22	14	*	*	954	19	62	526	185	25	78	80	*
Surfactant replacement therapy	370†	6	7	*	10	*	*	0	160	*	9	114	31	*	*	11	0
Suspected neonatal sepsis	1,630†	32	52	15	21	6	*	*	840	16	58	303	133	14	41	93	*
Seizure or serious neurologic dysfunction	30†	0	*	0	0	0	0	0	21	0	*	*	*	0	*	*	0
Significant birth injury	100†	*	*	*	*	0	0	0	69	0	*	8	12	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, 2023**

	ARIZONA	Apache	Cochise	Cocconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total	320†	*	8	8	*	*	0	*	159	12	10	61	32	*	8	8
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	7	*	0	*	*	0	0	0
Cyanotic congenital heart disease	70†	*	*	*	0	0	0	*	40	*	*	15	*	*	*	0
Congenital diaphragmatic hernia	10†	0	*	0	0	0	0	0	6	0	0	*	0	0	*	0
Omphalocele / Gastroschisis	20†	0	0	0	0	0	0	0	12	*	*	*	*	0	0	*
Limb reduction defect	10†	0	0	0	0	0	0	0	6	0	0	*	*	0	0	*
Cleft lip / palate	60†	0	*	*	*	*	0	0	29	*	*	12	6	0	*	*
Down syndrome	50†	*	0	0	0	0	0	*	24	*	*	6	6	0	*	*
Suspected chromosomal disorder	50†	0	0	0	*	0	0	0	19	*	0	13	6	0	*	*
Hypospadias	10†	0	*	0	0	0	0	0	*	0	0	*	*	0	*	0
Unknown congenital anomalies	50†	*	*	6	*	*	0	*	19	*	*	*	*	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, 2023**

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	33.4	39.4	29.9	29.5	40.2	16.9	15.5	19.6	34.5	21.2	28.4	33.4	29.4	31.3	26.7	42.1
Births with medical risk factors	30.2	54.3	33.4	31.9	40.0	29.8	32.0	23.4	27.7	20.1	39.8	40.6	31.4	35.9	21.2	32.8
Preterm births (gestational age <37 weeks)	9.9	13.9	10.1	8.9	10.5	9.0	6.2	13.3	10.0	9.6	7.5	10.0	9.4	6.9	9.3	8.8
Births with abnormal conditions of the newborn	5.5	11.8	9.1	5.1	9.4	6.1	4.1	3.2	4.2	5.1	9.8	8.7	7.1	11.5	9.1	6.8
Low birthweight births (<2,500 grams)	8.1	9.8	8.1	7.9	9.2	5.7	3.1	10.1	8.2	7.2	7.5	8.6	7.2	5.3	7.8	7.4
Very low birthweight births (<1,500 grams)	1.3	1.5	1.2	1.5	1.6	1.1	1.0	2.5	1.3	1.0	0.9	1.3	1.1	0.5	1.2	1.1
Births with congenital anomalies of the newborn	0.4	0.5	0.7	0.6	0.7	0.4	0.0	2.5	0.3	0.7	0.8	0.6	0.6	0.3	0.5	0.3
Tobacco use during pregnancy	2.1	2.8	4.1	1.9	6.9	6.8	7.2	7.6	1.4	6.3	3.7	3.3	2.5	0.7	5.4	1.0
C-section	29.0	23.4	28.6	23.7	26.8	23.0	20.6	23.4	29.3	26.9	22.8	29.3	30.0	34.7	28.0	29.6
Infants admitted to newborn intensive care units	7.8	10.0	11.1	5.8	8.3	6.6	5.2	7.6	7.0	5.4	9.4	10.6	8.0	7.2	9.9	9.7
Women giving birth who received prenatal care in the 1st trimester	71.4	60.5	52.6	72.6	60.9	65.4	69.1	55.1	73.1	74.7	66.8	68.1	75.0	50.0	79.2	59.9
Public sources of payment for birth^b	47.2	83.2	50.8	49.4	64.7	46.1	25.8	78.5	44.1	55.8	72.6	49.6	45.9	62.2	50.0	61.3
Births to unmarried mothers	45.5	71.6	45.1	46.3	61.6	45.4	40.2	65.8	44.1	55.0	56.8	46.9	44.6	51.2	43.1	46.1

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, 2023**

	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	78,137	236	256	492	6.3
Apache	758	*	*	*	**
Cochise	1,221	*	*	6	4.9
Coconino	1,289	9	*	12	9.3
Gila	450	*	*	*	**
Graham	462	*	6	8	17.3
Greenlee	99	0	*	*	**
La Paz	161	*	*	*	**
Maricopa	50,313	154	152	306	6.1
Mohave	1,697	*	7	9	5.3
Navajo	1,233	*	6	11	8.9
Pima	9,864	17	41	58	5.9
Pinal	5,386	19	17	36	6.7
Santa Cruz	608	0	0	0	0.0
Yavapai	1,772	8	7	15	8.5
Yuma	2,804	13	*	17	6.1

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; ^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, 2023

	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	488	232	256	0	107	65	234	72	8	2
Apache	0†	*	*	0	*	0	*	0	0	0
Cochise	10†	0	*	0	0	0	*	*	0	0
Coconino	10†	*	*	0	*	0	*	*	0	0
Gila	10†	*	*	0	*	*	*	*	0	0
Graham	10†	0	6	0	0	0	*	0	*	0
Greenlee	0†	0	*	0	0	*	*	0	0	0
La Paz	0†	0	*	0	0	0	*	0	*	0
Maricopa	310†	153	152	0	68	38	145	48	*	*
Mohave	10†	*	7	0	*	*	*	*	0	0
Navajo	10†	*	6	0	*	*	*	*	0	0
Pima	70†	29	41	0	15	8	38	8	*	0
Pinal	40†	22	17	0	9	9	19	*	0	0
Santa Cruz	0	0	0	0	0	0	0	0	0	0
Yavapai	10†	*	7	0	*	*	*	*	*	0
Yuma	10†	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; ^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, 2013-2023**

	Number of fetal deaths											Fetal death rates											
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
ARIZONA	545	519	524	486	481	472	489	477	527	494	488	6.4	6.0	6.1	5.7	5.9	5.8	6.1	6.2	6.7	6.3	6.3	0.0
Apache	8	10	*	*	10	*	*	*	*	6	*	8.3	9.7	**	**	10.5	**	**	**	**	**	8.1	**
Cochise	6	10	12	10	*	10	11	7	8	*	*	3.7	6.1	7.6	6.5	**	7.4	8.1	5.5	6.4	**	**	
Coconino	6	*	9	13	9	7	15	*	10	7	*	3.7	**	5.7	8.0	5.9	4.6	10.9	**	7.6	5.3	**	
Gila	7	7	*	8	*	*	*	8	6	10	7	11.7	10.8	**	13.3	**	**	**	16.7	13.1	22.0	0.0	
Graham	*	*	*	*	*	*	*	7	*	*	6	**	**	**	**	**	**	**	14.9	**	**	0.0	
Greenlee	*	0	0	*	*	0	*	0	0	*	*	**	0.0	0.0	**	**	0.0	**	0.0	0.0	**	**	
La Paz	*	*	0	*	*	*	*	*	*	*	*	**	**	0.0	**	**	**	**	**	**	**	**	
Maricopa	363	315	330	314	303	300	308	300	347	295	305	6.7	5.7	6.0	5.8	5.7	5.8	6.0	6.1	6.9	5.8	0.0	
Mohave	11	20	11	17	15	11	10	10	12	13	11	6.3	10.9	5.9	9.3	8.6	6.1	5.8	5.9	6.6	7.5	0.0	
Navajo	10	14	7	13	14	14	8	14	8	10	9	6.4	8.7	4.6	8.6	9.2	10.1	5.9	10.6	6.6	8.1	0.0	
Pima	73	76	72	55	71	52	63	65	68	74	70	6.1	6.4	6.2	4.8	6.4	4.9	6.0	6.4	6.8	7.4	0.0	
Pinal	21	28	28	19	32	35	27	31	30	26	39	4.6	6.2	6.2	4.2	7.2	7.7	6.0	6.6	6.2	5.0	0.0	
Santa Cruz	*	*	*	*	*	*	*	*	6	*	0	**	**	**	**	**	**	**	**	11.7	**	0.0	
Yavapai	16	11	13	12	7	14	10	9	15	18	10	8.7	5.6	6.9	6.4	3.9	7.9	5.5	5.3	8.6	9.9	0.0	
Yuma	14	14	27	10	7	12	18	16	9	21	14	4.5	4.6	8.9	3.3	2.4	3.9	6.1	5.4	3.1	7.4	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; ^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); ^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, 2023**

	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	Total	Male	Female	
	488	244	236	8	173	94	75	4	167	79	86	2	61	24	37	31	19	11	1	27	15	12	
ARIZONA ^b																							
Apache	0†	*	0	0	0	0	0	0	0†	*	0	0	0	0	0	0†	*	0	0	0	0	0	
Cochise	10†	*	*	0	0†	*	*	0	0†	*	*	0	0	0	0	0	0	0	0	0	0	0	
Coconino	10†	*	*	0	0†	0	*	0	0	0	0	0	0	0	0	0†	*	*	0	0	0	0	
Gila	10†	*	*	0	0†	*	*	0	0†	*	*	0	0	0	0	0†	*	*	0	0	0	0	
Graham	10†	*	*	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	
La Paz	0†	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0†	*	*	0	0	0	0	
Maricopa	305	140	158	7	113	58	51	*	95	38	55	*	44	19	25	12	6	6	0	21	11	10	
Mohave	10†	6	*	*	10†	*	*	0	0†	*	*	0	0†	*	*	1	0	0	*	0	0	0	
Navajo	10†	6	*	0	0†	*	*	0	0†	*	0	0	0†	*	0	0†	*	*	0	0	0	0	
Pima	70	39	31	0	20†	13	*	0	32	16	16	0	10†	*	6	10†	6	*	0	0†	*	*	
Pinal	39	19	20	0	15	7	8	0	13	7	6	0	10†	*	*	0†	0	*	0	0†	*	0	
Santa Cruz	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Yavapai	10†	7	*	0	0†	*	0	0	0†	*	*	0	0†	0	*	0	0	0	0	0	0	0	
Yuma	14	8	6	0	0†	*	*	0	10†	*	*	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, 2023**

	Total	Mother's age group									
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
ARIZONA	488	1	4	20	84	126	130	83	36	3	1
Apache	0†	0	0	0	0	0	*	*	0	0	0
Cochise	10†	0	0	0	*	*	*	0	0	0	*
Coconino	10†	0	0	0	*	0	*	*	0	0	0
Gila	10†	0	0	*	*	*	*	0	*	0	0
Graham	10†	0	0	0	*	*	*	*	*	0	0
Greenlee	0†	0	0	0	0	0	*	0	0	0	0
La Paz	0†	0	0	0	0	0	*	0	*	0	0
Maricopa	310†	0	*	9	46	81	86	53	25	*	0
Mohave	10†	0	0	*	*	*	*	*	0	0	0
Navajo	10†	0	0	*	*	*	*	*	*	0	0
Pima	70†	0	*	*	15	15	18	12	*	0	0
Pinal	40†	0	0	*	*	15	10	6	*	0	0
Santa Cruz	0	0	0	0	0	0	0	0	0	0	0
Yavapai	10†	0	*	*	*	*	0	*	*	0	0
Yuma	10†	*	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, 2013-2023

County of Residence	Year											% Change		
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2022 to 2023	2017 to 2021	2013 to 2023
Number of Abortions														
ARIZONA	13,254	12,747	12,479	13,170	12,336	12,362	13,003	13,186	13,896	11,407	12,705	11.4	12.6	-4.1
Apache	12	8	17	18	14	14	9	16	12	13	8	-38.5	-14.3	-33.3
Cochise	101	47	105	103	97	109	123	119	131	89	86	-3.4	35.1	-14.9
Coconino	147	159	231	210	207	159	173	176	185	106	98	-7.5	-10.6	-33.3
Gila	54	33	50	64	55	40	50	30	41	39	31	-20.5	-25.5	-42.6
Graham	17	15	16	20	18	25	20	27	33	20	21	5.0	83.3	23.5
Greenlee	67	9	8	10	10	7	9	7	9	10	13	30.0	-10.0	-80.6
La Paz	16	7	14	10	11	11	29	21	16	8	11	37.5	45.5	-31.3
Maricopa	8,385	8,727	8,504	9,076	8,384	8,290	8,911	9,587	10,154	8,338	9,311	11.7	21.1	11.0
Mohave	26	19	18	24	19	13	20	20	12	19	11	-42.1	-36.8	-57.7
Navajo	66	41	49	69	66	55	48	66	65	30	26	-13.3	-1.5	-60.6
Pima	2,109	1,979	1,555	1,816	1,611	1,587	1,681	1,621	1,766	1,526	1,533	0.5	9.6	-27.3
Pinal	346	315	366	345	400	362	394	464	512	404	467	15.6	28.0	35.0
Santa Cruz	23	26	26	35	45	34	42	32	34	27	25	-7.4	-24.4	8.7
Yavapai	214	165	193	234	222	186	193	182	211	134	139	3.7	-5.0	-35.0
Yuma	90	67	49	43	29	31	33	26	33	11	19	72.7	13.8	-78.9
Unknown	1,581	1,130	1,278	1,093	1,148	1,439	1,268	792	682	633	906	NA	NA	NA
Abortion Rates^a														
ARIZONA	10.3	9.8	9.5	10.0	9.2	9.1	9.4	9.6	9.9	8.0	8.8	10.0	7.6	-14.6
Apache	0.9	0.6	1.3	1.4	1.0	1.0	0.7	1.3	1.0	1.1	0.6	-45.5	0.0	-33.3
Cochise	4.5	2.2	4.9	4.9	4.7	5.2	5.7	5.8	6.4	4.3	4.2	-2.3	36.2	-6.7
Coconino	4.7	4.8	6.8	6.1	5.9	4.5	4.8	4.8	5.1	2.9	2.6	-10.3	-13.6	-44.7
Gila	7.3	4.4	6.6	8.6	7.3	5.3	6.5	4.0	5.5	5.2	4.2	-19.2	-24.7	-42.5
Graham	2.4	2.1	2.3	2.8	2.6	3.6	2.8	3.8	4.6	2.8	2.9	3.6	76.9	20.8
Greenlee	33.2	4.6	3.9	4.9	4.6	3.5	4.5	3.9	4.8	5.4	6.9	27.8	4.3	-79.2
La Paz	6.6	2.8	5.6	3.9	4.2	4.2	10.7	10.2	8.0	4.0	5.5	37.5	90.5	-16.7
Maricopa	10.4	10.6	10.2	10.8	9.8	9.6	10.1	10.7	11.2	9.0	9.9	10.0	14.3	-4.8
Mohave	0.9	0.7	0.6	0.8	0.7	0.5	0.7	0.7	0.4	0.6	0.4	-33.3	-42.9	-55.6
Navajo	3.5	2.2	2.6	3.6	3.5	2.9	2.5	3.6	3.6	1.6	1.4	-12.5	2.9	-60.0
Pima	10.9	10.1	7.9	9.3	8.2	7.9	8.3	8.0	8.6	7.3	7.3	0.0	4.9	-33.0
Pinal	4.9	4.6	5.3	4.9	5.6	4.9	5.2	6.5	6.9	5.3	6.0	13.2	23.2	22.4
Santa Cruz	2.5	2.8	2.8	3.7	4.8	3.5	4.3	3.7	3.8	3.0	2.7	-10.0	-20.8	8.0
Yavapai	7.1	5.6	6.5	7.9	7.4	6.1	6.3	5.9	6.8	4.2	4.3	2.4	-8.1	-39.4
Yuma	2.2	1.7	1.2	1.1	0.7	0.8	0.8	0.7	0.9	0.3	0.5	66.7	28.6	-77.3
Abortion Ratio^b														
ARIZONA	156	147	147	156	151	153	164	172	178	146	163	11.6	17.9	4.5
Apache	13	8	18	18	15	15	10	20	16	18	11	-38.9	6.7	-15.4
Cochise	63	29	67	67	73	81	92	93	105	72	71	-1.4	43.8	12.7
Coconino	90	93	147	130	137	106	127	132	142	81	76	-6.2	3.6	-15.6
Gila	92	51	86	108	102	80	106	64	91	88	69	-21.6	-10.8	-25.0
Graham	28	25	28	36	34	49	41	58	63	43	46	7.0	85.3	64.3
Greenlee	536	63	52	67	64	54	73	58	77	88	134	52.3	20.3	-75.0
La Paz	74	33	70	45	57	59	156	136	97	50	70	39.2	70.2	-5.9
Maricopa	156	158	156	168	160	160	175	195	202	165	186	12.7	26.3	19.2
Mohave	14	10	10	13	11	7	12	12	7	11	7	-36.4	-36.4	-50.0
Navajo	43	25	32	46	44	40	35	51	54	24	21	-12.5	22.7	-51.2
Pima	176	167	136	159	147	149	162	162	177	153	156	2.0	20.4	-11.4
Pinal	76	70	82	77	91	80	88	100	106	79	87	10.1	16.5	14.5
Santa Cruz	34	43	42	55	71	55	70	54	67	46	41	-10.9	-5.6	20.6
Yavapai	118	85	103	125	124	105	107	108	122	75	79	5.3	-1.6	-33.1
Yuma	29	22	16	14	10	10	11	9	11	4	7	75.0	10.0	-75.9

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, 2023**

County ^a	≤ 19 years		20-29 years		≥ 30 years	
	Count	Percent	Count	Percent	Count	Percent
Apache	*	**	7	0.1	0	0.0
Cochise	10	0.9	41	0.5	35	0.9
Coconino	10	0.9	62	0.8	26	0.6
Gila	*	**	14	0.2	12	0.3
Graham	*	**	9	0.1	7	0.2
Greenlee	*	**	9	0.1	*	**
La Paz	0	0.0	8	0.1	*	**
Maricopa	795	69.8	5,500	73.7	3,016	73.5
Mohave	*	**	8	0.1	*	**
Navajo	*	**	9	0.1	12	0.3
Pima	141	12.4	885	11.9	507	12.4
Pinal	52	4.6	276	3.7	139	3.4
Santa Cruz	*	**	14	0.2	6	0.1
Yavapai	8	0.7	81	1.1	50	1.2
Yuma	*	**	11	0.1	6	0.1
Unknown	96	8.4	527	7.1	283	6.9
Border region ^b	158	13.9	951	12.7	554	13.5
Non-border region	885	77.7	5,983	80.2	3,268	79.6
Arizona	1,140 [†]	100.0	7,461	100.0	4,110 [†]	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, 2023**

	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	12,705	3,830†	6,010†	1,430†	320†	430†	250†	440†	1,900†	10,807	4,680†	3,720†	4,300†
Apache	10†	*	*	*	*	*	0	*	*	7	6	*	*
Cochise	90†	44	36	*	*	0	0	*	11	75	34	23	29
Coconino	100†	39	27	*	20	6	*	*	9	89	29	32	37
Gila	30†	11	10	0	8	*	0	0	6	25	14	7	10
Graham	20†	*	15	0	*	0	0	0	6	15	6	6	9
Greenlee	10†	*	9	*	0	*	0	0	*	12	*	*	*
La Paz	10†	*	*	0	*	0	*	*	*	9	6	*	*
Maricopa	9,311	2,821	4,294	1,172	209	326	208	281	1,404	7,907	3,316	2,890	3,105
Mohave	10†	*	*	*	*	0	0	0	*	9	*	*	*
Navajo	30†	6	7	*	10	0	*	*	6	20	12	6	8
Pima	1,533	472	835	99	28	41	17	41	213	1,320	602	431	500
Pinal	467	156	221	40	14	9	11	16	77	390	206	140	121
Santa Cruz	30†	*	22	0	0	0	0	0	*	22	13	6	6
Yavapai	140†	85	43	*	*	*	*	6	21	118	51	31	57
Yuma	20†	*	15	*	0	0	0	*	*	16	*	6	9
Unknown^a	906	179	470	107	17	40	11	82	133	773	374	134	398

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, 2023**

	TOTAL	Gestational Age			
		≤13 weeks	14 to 20 weeks	≥21 weeks	Unknown
		Count	Count	Count	Count
Arizona	12,705	12,232	470†	10†	0†
Apache	10†	6	*	0	0
Cochise	90†	83	*	0	0
Coconino	100†	93	*	0	0
Gila	31	31	0	0	0
Graham	20†	18	*	0	0
Greenlee	10†	12	*	0	0
La Paz	11	11	0	0	0
Maricopa	9,310†	8,983	323	*	0
Mohave	10†	10	0	*	0
Navajo	26	26	0	0	0
Pima	1,530†	1,473	58	*	*
Pinal	467	448	19	0	0
Santa Cruz	30†	23	*	0	0
Yavapai	140†	135	*	0	0
Yuma	20†	17	*	0	0
Unknown	906	863	43	0	0

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, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	49,929	51,074	54,152	56,480	57,261	59,206	60,161	75,700	81,482	73,861	69,005
Apache	607	601	646	653	689	692	734	1,165	1,209	963	903
Cochise	1,266	1,201	1,305	1,342	1,344	1,360	1,404	1,637	1,835	1,658	1,543
Coconino	702	732	814	857	859	858	830	1,149	1,175	1,046	1,032
Gila	696	747	814	832	723	754	817	975	1,053	929	867
Graham	275	283	251	278	305	336	287	382	489	397	345
Greenlee	46	52	69	52	65	66	66	75	96	94	80
La Paz	247	253	254	270	320	317	307	366	419	384	369
Maricopa	26,906	27,711	28,945	30,311	30,798	32,091	32,637	40,748	43,947	39,932	37,224
Mohave	2,686	2,540	3,024	3,181	3,144	3,387	3,347	4,009	4,587	4,099	3,777
Navajo	976	937	907	1,010	1,059	1,137	1,196	1,735	1,848	1,590	1,352
Pima	8,592	8,725	9,241	9,492	9,527	9,846	9,977	12,290	12,821	11,933	11,348
Pinal	2,457	2,629	2,968	2,991	3,110	3,147	3,334	4,293	4,936	4,457	4,110
Santa Cruz	286	275	294	301	297	278	335	464	428	372	350
Yavapai	2,724	2,772	2,918	2,955	3,114	3,121	3,071	3,717	4,117	3,742	3,606
Yuma	1,320	1,425	1,427	1,506	1,491	1,631	1,634	2,443	2,214	1,959	1,849
Unknown	143	191	275	449	416	185	185	252	308	306	250

TABLE 5E-2
MORTALITY BY COUNTY OF OCCURRENCE, ARIZONA, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA^a	51,997	53,097	56,386	58,708	59,446	62,688	63,701	79,353	85,570	77,054	71,998
Apache	332	362	384	399	440	412	410	608	611	542	527
Cochise	892	893	957	1,023	961	976	1,007	1,164	1,295	1,207	1,162
Coconino	822	936	1,009	1,041	1,044	1,096	1,096	1,317	1,389	1,266	1,172
Gila	560	601	653	655	576	629	643	766	825	763	707
Graham	223	236	199	233	259	289	258	324	418	353	293
Greenlee	28	29	43	31	31	31	41	47	48	54	45
La Paz	165	179	197	193	265	234	230	268	282	261	274
Maricopa	28,360	30,135	31,490	33,037	33,832	35,105	35,852	45,307	48,898	43,991	41,196
Mohave	2,612	2,572	2,825	2,996	2,998	3,142	3,040	3,734	4,249	3,839	3,416
Navajo	716	669	735	776	802	874	862	1,144	1,287	1,171	957
Pima	9,143	9,571	10,116	10,353	10,555	10,703	10,880	13,467	13,951	12,979	12,415
Pinal	1,495	1,760	1,912	1,996	2,017	1,988	2,048	2,840	3,093	2,954	2,603
Santa Cruz	172	180	200	197	194	184	212	255	249	235	242
Yavapai	2,504	2,606	2,727	2,785	2,959	2,891	2,823	3,456	3,800	3,484	3,316
Yuma	1,234	1,461	1,447	1,525	1,514	1,651	1,680	2,381	2,148	2,053	1,847
Unknown	0	11	1,492	1,468	999	2,483	2,619	2,275	3,027	1,902	1,826

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, 2023**

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	438	*	50	9	*	0	0	172	*	66	9	*	0	*	0	755	148	900†
Cochise	0	1,079	0	0	*	0	0	42	*	0	396	*	0	0	0	1,523	20	1,540†
Coconino	*	*	800	*	0	0	0	136	*	19	6	*	0	33	0	1,005	27	1,030†
Gila	0	0	0	618	18	0	0	193	0	7	17	6	0	*	0	861	6	870†
Graham	0	*	0	8	246	0	0	32	0	*	48	*	*	0	0	344	*	350†
Greenlee	0	0	0	*	16	40	0	*	0	*	17	*	0	0	0	80	0	80†
La Paz	0	0	0	0	0	0	219	69	25	0	*	0	0	*	*	317	52	370†
Maricopa	12	6	25	17	0	*	6	36,415	11	16	78	121	*	60	6	36,777	447	37,220†
Mohave	*	0	7	0	0	0	*	168	3,182	0	*	*	0	12	*	3,381	396	3,780†
Navajo	39	0	109	16	*	0	0	293	*	815	20	*	*	13	*	1,314	38	1,350†
Pima	*	7	*	*	0	*	0	138	0	*	11,052	11	9	*	*	11,241	107	11,350†
Pinal	*	*	*	18	*	0	0	1,476	*	*	188	2,358	0	*	*	4,058	52	4,110†
Santa Cruz	0	*	0	0	0	0	0	6	0	0	137	0	203	0	0	350	0	350†
Yavapai	0	0	57	*	0	0	*	395	*	*	6	*	0	3,105	0	3,576	30	3,610†
Yuma	0	*	*	*	0	0	0	128	*	0	18	*	0	0	1,672	1,824	25	1,850†
Unknown	*	*	*	*	0	0	*	98	7	*	16	*	0	7	0	140	110	250†
AZ resident	500†	1,110†	1,060†	700†	290†	40†	230†	39,770†	3,240†	940†	12,010†	2,520†	220†	3,240†	1,690†	67,550†	1,459	69,005
Non-resident	31	53	111	6	6	*	45	1,431	180	22	401	81	26	73	159	2,630†		
Total deaths in Arizona ^a	530†	1,160†	1,170†	710†	290†	50†	270†	41,200†	3,420†	960†	12,420†	2,600†	240†	3,320†	1,850†	71,998		

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, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	758.7	766.0	752.9	826.3	822.0	836.7	836.8	1054.8	1118.4	996.9	917.0
Apache	841.0	836.3	894.6	905.3	947.6	943.7	1022.2	1763.8	1820.5	1440.6	1349.3
Cochise	967.1	926.5	1010.8	1045.6	1046.9	1043.6	1073.3	1302.1	1451.0	1309.1	1212.0
Coconino	517.3	525.2	574.9	601.2	596.3	589.4	563.6	788.6	797.0	699.0	684.7
Gila	1296.8	1377.7	1496.2	1531.3	1315.8	1372.3	1481.2	1829.2	1967.3	1725.5	1611.5
Graham	726.1	738.6	652.4	725.8	796.9	881.3	745.9	988.7	1253.0	1017.7	870.0
Greenlee	421.5	496.4	653.7	498.4	593.0	628.2	636.1	784.4	1000.7	973.9	827.2
La Paz	1177.4	1193.1	1199.1	1270.8	1481.6	1448.1	1390.1	2206.5	2491.1	2277.6	2184.7
Maricopa	682.1	691.3	710.1	732.7	729.5	747.3	747.2	918.4	975.0	870.7	797.9
Mohave	1319.3	1245.1	1470.0	1545.9	1498.6	1590.5	1542.5	1873.5	2118.4	1853.9	1683.4
Navajo	897.9	858.2	827.0	914.7	951.8	1008.5	1060.0	1625.0	1715.1	1464.4	1230.9
Pima	862.6	866.3	915.5	936.9	928.5	952.0	955.0	1175.4	1211.5	1112.8	1050.4
Pinal	623.9	663.5	730.2	723.7	727.3	714.3	732.4	1002.5	1124.0	981.9	879.2
Santa Cruz	581.1	555.0	584.8	595.1	576.6	530.6	630.2	971.0	883.1	758.6	699.9
Yavapai	1277.1	1287.2	1339.9	1342.0	1381.8	1363.1	1321.5	1567.9	1707.1	1524.9	1448.8
Yuma	630.6	672.1	663.7	691.7	672.7	724.2	710.6	1193.3	1067.9	933.2	863.0

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, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	687.8	676.0	691.3	696.6	679.3	688.6	676.6	842.2	882.6	784.3	720.5
Apache	905.6	881.2	928.2	913.5	937.2	916.6	960.9	1658.8	1684.2	1361.7	1262.1
Cochise	759.8	706.1	745.4	747.0	730.7	709.8	727.2	855.0	946.0	845.4	795.3
Coconino	671.5	657.2	660.6	696.5	691.4	678.5	638.6	858.3	850.0	750.5	736.3
Gila	869.0	890.4	958.9	959.5	831.1	872.3	914.9	1141.2	1228.8	1082.6	983.1
Graham	786.5	827.7	696.7	756.1	820.7	854.5	719.6	953.6	1194.8	975.2	839.9
Greenlee	421.8	536.7	693.2	522.8	616.5	585.7	631.1	747.0	929.3	929.3	783.8
La Paz	693.1	702.6	650.9	750.0	768.8	843.6	735.0	1200.3	1355.0	1260.2	1090.0
Maricopa	667.9	664.5	668.4	676.6	663.0	678.1	666.9	807.3	844.7	753.8	691.2
Mohave	845.8	776.7	888.4	904.9	847.3	862.6	833.6	996.1	1131.1	994.9	887.1
Navajo	901.6	819.3	786.2	844.6	867.5	897.8	922.5	1398.3	1454.0	1251.3	1058.3
Pima	696.6	682.4	707.2	706.0	684.3	704.6	697.6	849.6	870.6	794.1	745.1
Pinal	636.2	608.3	650.1	604.9	590.2	577.3	573.3	763.6	839.2	731.6	655.6
Santa Cruz	550.5	517.2	521.1	510.0	475.5	441.2	507.1	747.5	684.8	575.6	537.6
Yavapai	760.4	738.1	755.8	737.6	750.1	724.9	706.1	828.0	896.3	802.7	748.0
Yuma	551.9	575.6	545.9	550.2	507.3	557.7	534.7	892.1	810.6	672.9	612.5

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, 2023**

	All groups ^a			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
ARIZONA	69,005	37,561	31,444	51,183	27,420	23,763	10,268	5,792	4,476	2,860†	1,660†	1,200†	3,121	1,810†	1,308	1,130†	560†	570†
Apache	903	529	374	246	135	111	25	17	8	0	0	0	631	376	255	0	0	0
Cochise	1,543	884	659	1,163	687	476	298	153	145	33	20	13	10†	*	6	21	7	14
Coconino	1,032	595	437	556	310	246	84	41	43	15	8	7	357	225	132	10†	*	7
Gila	867	495	372	651	373	278	96	53	43	0	0	0	108	61	47	0†	0	*
Graham	345	180	165	219	106	113	81	48	33	0†	*	*	39	23	16	0†	*	0
Greenlee	80	39	41	45	18	27	35	21	14	0	0	0	0	0	0	0	0	0
La Paz	369	241	128	301	205	96	27	14	13	0†	*	*	35	18	17	0	0	0
Maricopa	37,224	19,920	17,304	28,048	14,741	13,307	5,455	3,121	2,334	2,145	1,221	924	670	381	289	815	403	412
Mohave	3,777	2,197	1,580	3,377	1,964	1,413	232	139	93	29	16	13	63	33	30	32	13	19
Navajo	1,352	778	574	676	374	302	85	46	39	10†	*	*	572	344	228	10†	*	*
Pima	11,348	5,997	5,351	8,188	4,241	3,947	2,141	1,136	1,005	349	232	117	357	197	160	149	77	72
Pinal	4,110	2,316	1,794	2,989	1,658	1,331	630	376	254	220	121	99	189	101	88	49	34	15
Santa Cruz	350	191	159	118	65	53	227	123	104	0†	*	*	0	0	0	0†	0	*
Yavapai	3,606	1,968	1,638	3,326	1,809	1,517	190	107	83	15	7	8	31	17	14	20	11	9
Yuma	1,849	1,066	783	1,127	645	482	629	366	263	27	17	10	30	15	15	19	9	10
Unknown	250	165	85	153	89	64	30†	31	*	10†	12	*	29	18	11	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 Total for all groups includes records with unknown race/ethnicity.

TABLE 5E-7
NUMBER OF DEATHS BY MONTH AND COUNTY OF RESIDENCE, ARIZONA, 2023

	Total	Month of death											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ARIZONA	69,005	6,370	5,616	6,032	5,916	5,663	5,330†	5,899	5,560†	5,220†	5,610†	5,566	6,220†
Apache	903	83	76	76	85	76	68	63	65	79	76	70	86
Cochise	1,543	154	127	130	113	105	126	124	122	123	133	141	145
Coconino	1,032	91	73	93	89	86	65	98	79	79	95	83	101
Gila	867	91	67	69	79	74	68	74	70	68	63	57	87
Graham	345	36	29	31	36	22	21	38	32	24	20	26	30
Greenlee	80†	6	6	9	11	8	*	10	*	*	*	9	*
La Paz	369	26	31	32	36	35	31	38	24	31	33	27	25
Maricopa	37,224	3,394	3,036	3,200	3,215	3,047	2,914	3,268	3,000	2,763	3,040	3,012	3,335
Mohave	3,777	362	322	345	324	304	283	313	300	289	294	288	353
Navajo	1,352	115	94	129	121	131	95	106	94	115	125	107	120
Pima	11,348	1,060	892	1,014	968	919	886	954	971	852	906	927	999
Pinal	4,110	387	339	389	334	364	323	318	335	293	306	325	397
Santa Cruz	350	45	26	30	25	41	27	27	25	27	28	24	25
Yavapai	3,606	335	334	306	295	282	278	286	272	296	302	292	328
Yuma	1,849	158	145	163	164	149	133	147	135	161	163	156	175
Unknown	250	27	19	16	21	20	11	35	29	11	24	22	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.

**TABLE 5E-8
NUMBER OF DEATHS BY COUNTY OF RESIDENCE AND DECEDENT STATUS, ARIZONA, 2023**

	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	15,941	3,880 [†]	30 [†]	24,796	44,645	6,092	11,921	6,350 [†]	24,360	69,005
Apache	330	62	*	235	630 [†]	18	93	163	274	900 [†]
Cochise	392	128	0	645	1,165	78	196	104	378	1,543
Coconino	294	51	*	354	700 [†]	20	152	159	331	1,030 [†]
Gila	202	36	*	319	560 [†]	79	159	71	309	870 [†]
Graham	69	17	0	160	246	13	44	42	99	345
Greenlee	20	*	0	38	60 [†]	6	7	*	20 [†]	80 [†]
La Paz	97	16	*	180	290 [†]	17	28	30	75	370 [†]
Maricopa	8,504	2,260	11	11,913	22,688	3,999	6,961	3,576	14,536	37,224
Mohave	831	225	0	1,919	2,975	198	394	210	802	3,777
Navajo	350	102	*	494	950 [†]	39	183	179	401	1,350 [†]
Pima	2,424	448	*	4,336	7,210 [†]	1,131	2,143	864	4,138	11,350 [†]
Pinal	1,034	245	*	1,661	2,940 [†]	313	519	336	1,168	4,110 [†]
Santa Cruz	82	20	0	159	261	21	43	25	89	350
Yavapai	731	136	*	1,565	2,430 [†]	127	753	293	1,173	3,610 [†]
Yuma	489	107	0	814	1,410	22	219	198	439	1,849
Unknown	92	24	0	*	120 [†]	11	27	92	130	250 [†]

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, 2013-2023**

		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	Burial	13,356	13,044	13,397	13,734	13,290	13,227	12,931	16,850	17,779	14,873	12,908
	Cremation	32,128	33,736	36,200	38,013	39,148	40,545	41,442	54,180	58,838	53,516	50,585
	Other	4,445	4,294	4,555	4,733	4,823	5,434	5,788	4,670	4,865	5,472	5,512
	TOTAL	49,929	51,074	54,152	56,480	57,261	59,206	60,161	75,700	81,482	73,861	69,005
Apache	Burial	425	431	497	470	484	506	524	911	855	695	599
	Cremation	103	118	118	120	142	139	152	214	297	215	234
	Other	79	52	31	63	63	47	58	40	57	53	70
	TOTAL	607	601	646	653	689	692	734	1,165	1,209	963	903
Cochise	Burial	322	277	334	304	285	268	254	314	326	241	223
	Cremation	877	882	914	981	994	1,015	1,082	1,259	1,426	1,321	1,240
	Other	67	42	57	57	65	77	68	64	83	96	80
	TOTAL	1,266	1,201	1,305	1,342	1,344	1,360	1,404	1,637	1,835	1,658	1,543
Coconino	Burial	311	306	345	368	368	357	337	528	549	439	390
	Cremation	348	387	442	454	462	472	445	584	585	573	606
	Other	43	39	27	35	29	29	48	37	41	34	36
	TOTAL	702	732	814	857	859	858	830	1,149	1,175	1,046	1,032
Gila	Burial	226	224	259	255	219	189	225	312	275	205	199
	Cremation	371	423	460	480	434	482	500	581	700	647	596
	Other	99	100	95	97	70	83	92	82	78	77	72
	TOTAL	696	747	814	832	723	754	817	975	1,053	929	867
Graham	Burial	169	133	145	151	158	183	128	184	239	204	148
	Cremation	97	136	99	118	129	133	141	188	241	183	180
	Other	9	14	7	9	18	20	18	10	9	10	17
	TOTAL	275	283	251	278	305	336	287	382	489	397	345
Greenlee	Burial	21	14	31	23	19	26	23	27	30	39	20
	Cremation	25	37	34	27	42	39	38	47	62	54	53
	Other	0	*	*	*	*	*	*	*	*	*	7
	TOTAL	46	50†	70†	50†	70†	70†	70†	80†	100†	90†	80
La Paz	Burial	58	48	44	52	68	79	63	60	70	63	37
	Cremation	142	172	179	178	198	184	184	262	311	272	294
	Other	47	33	31	40	54	54	60	44	38	49	38
	TOTAL	247	253	254	270	320	317	307	366	419	384	369
Maricopa	Burial	7,282	7,274	7,219	7,469	7,279	7,251	7,164	8,889	9,661	8,045	6,977
	Cremation	17,221	18,097	19,245	20,348	20,950	21,908	22,246	29,309	31,600	28,914	27,308
	Other	2,403	2,340	2,481	2,494	2,569	2,932	3,227	2,550	2,686	2,973	2,939
	TOTAL	26,906	27,711	28,945	30,311	30,798	32,091	32,637	40,748	43,947	39,932	37,224

TABLE 5E-9 (continued)
BODY DISPOSITION BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2013-2023

		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Mohave	Burial	345	322	390	378	332	342	276	355	446	305	295
	Cremation	1,945	1,832	2,197	2,348	2,367	2,511	2,530	3,250	3,719	3,304	3,025
	Other	396	386	437	455	445	534	541	404	422	490	457
	TOTAL	2,686	2,540	3,024	3,181	3,144	3,387	3,347	4,009	4,587	4,099	3,777
Navajo	Burial	552	513	516	534	572	608	654	1,039	947	786	672
	Cremation	361	378	340	405	406	456	460	644	814	697	592
	Other	63	46	51	71	81	73	82	52	87	107	88
	TOTAL	976	937	907	1,010	1,059	1,137	1,196	1,735	1,848	1,590	1,352
Pima	Burial	2,017	1,894	1,964	1,944	1,794	1,860	1,752	2,223	2,280	2,013	1,788
	Cremation	5,989	6,265	6,686	6,896	7,075	7,262	7,502	9,479	9,938	9,161	8,695
	Other	586	566	591	652	658	724	723	588	603	759	865
	TOTAL	8,592	8,725	9,241	9,492	9,527	9,846	9,977	12,290	12,821	11,933	11,348
Pinal	Burial	638	684	704	693	700	661	691	855	1,012	849	712
	Cremation	1,578	1,708	1,979	2,023	2,128	2,171	2,303	3,116	3,613	3,280	3,067
	Other	241	237	285	275	282	315	340	322	311	328	331
	TOTAL	2,457	2,629	2,968	2,991	3,110	3,147	3,334	4,293	4,936	4,457	4,110
Santa Cruz	Burial	102	96	84	86	91	82	81	90	78	77	70
	Cremation	178	170	200	205	193	180	240	360	339	289	268
	Other	6	9	10	10	13	16	14	14	11	6	12
	TOTAL	286	275	294	301	297	278	335	464	428	372	350
Yavapai	Burial	426	391	395	375	384	376	332	400	427	380	346
	Cremation	1,970	2,075	2,172	2,231	2,388	2,353	2,362	2,972	3,361	3,009	2,878
	Other	328	306	351	349	342	392	377	345	329	353	382
	TOTAL	2,724	2,772	2,918	2,955	3,114	3,121	3,071	3,717	4,117	3,742	3,606
Yuma	Burial	409	358	381	442	345	378	371	588	518	461	380
	Cremation	845	954	968	973	1,035	1,135	1,140	1,755	1,607	1,383	1,358
	Other	66	113	78	91	111	118	123	100	89	115	111
	TOTAL	1,320	1,425	1,427	1,506	1,491	1,631	1,634	2,443	2,214	1,959	1,849
Unknown	Burial	53	79	89	190	192	61	56	75	66	71	52
	Cremation	78	102	167	226	205	105	117	160	225	214	191
	Other	12	10	19	33	19	19	12	17	17	21	7
	TOTAL	143	191	275	449	416	185	185	252	308	306	250

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 2023

	Total	Body disposition															Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Out-of-state/ Unknown																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Body moved outside state	No																Total	435	1,120†	1,086	696	287	40†	260	38,891	3,290†	930†	11,882	2,486	211	3,226	1,612	674																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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		Total	4,870†	90†	86	10†	6	*	10†	0†	10†	2,305	120†	66	14	23	530†	120†	31	90†	240†	1,152	353	0	20	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	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 Resident and non-resident deaths occurring in Arizona.

TABLE 5E-11
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, 2023

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
	PER 100,000 TOTAL POPULATION (BOTH GENDERS):															
Total, all causes	720.5	1262.1	795.3	736.3	983.1	839.9	783.8	1090.0	691.2	887.1	1058.3	745.1	655.6	537.6	748.0	612.5
Cardiovascular disease	194.5	214.3	210.5	142.7	263.4	193.2	228.2	268.6	195.7	240.8	247.6	186.5	186.4	160.9	180.7	165.1
Diseases of heart	145.4	169.8	161.7	104.7	207.3	145.3	186.2	214.7	145.9	192.3	181.8	134.5	141.8	115.4	135.3	122.6
Coronary heart disease	101.3	109.5	104.6	61.8	136.2	101.6	132.0	141.4	104.6	151.3	116.6	81.8	102.1	81.3	91.3	87.5
Malignant neoplasms	128.4	150.5	151.3	119.2	147.1	135.7	123.9	185.6	124.4	159.8	132.3	133.7	116.1	97.4	145.8	110.0
Lung cancer	23.1	22.0	24.5	11.3	28.4	32.5	20.6	38.2	22.4	39.9	18.6	23.1	21.2	13.4	25.3	19.9
Colorectal cancer	12.8	19.4	17.7	9.5	7.7	10.6	0.0	20.1	13.3	14.5	15.2	11.2	9.3	9.7	15.8	10.1
Breast cancer	9.4	10.6	8.9	7.2	8.6	19.2	0.0	14.8	9.2	8.1	14.0	10.1	6.9	9.3	13.2	8.2
Prostate cancer	7.7	9.9	12.3	9.9	12.0	9.8	12.2	11.5	6.6	12.6	10.8	8.6	6.0	6.9	10.2	6.3
Malignant melanoma of skin	2.1	2.9	3.7	3.3	2.4	2.0	8.4	14.2	2.1	1.8	1.2	2.2	1.4	3.0	2.4	0.5
Cervical cancer	1.0	0.0	0.4	2.7	0.0	2.0	0.0	2.1	0.9	2.5	1.2	0.8	1.3	0.0	3.3	0.0
Accident (unintentional injury)	74.6	233.8	68.1	87.8	104.5	89.5	81.1	127.7	69.4	89.2	155.7	83.3	63.1	47.5	68.7	51.9
Accidental poisoning	34.1	79.0	30.6	34.3	59.6	30.4	24.0	47.6	31.5	32.5	79.9	42.7	24.5	6.3	33.9	24.1
Motor vehicle accident	16.7	97.1	13.1	31.3	25.2	31.2	19.9	38.0	13.9	25.1	43.8	16.6	20.6	8.4	17.0	11.5
Accidental falls	13.0	18.7	14.0	14.4	8.0	9.0	37.2	3.7	13.9	6.9	15.5	14.6	9.6	21.4	12.4	3.9
Accidental drowning	1.5	2.5	0.9	0.6	0.9	2.5	0.0	2.1	1.6	1.9	2.2	1.2	1.4	0.0	0.9	2.1
Chronic lower respiratory diseases	33.9	40.4	45.9	26.7	52.5	24.0	29.2	65.4	31.2	62.2	45.9	31.1	31.6	23.6	47.1	22.9
Cerebrovascular disease	32.5	33.6	34.9	21.2	35.2	33.5	42.0	24.8	32.0	32.1	52.7	36.1	28.9	38.9	29.5	30.2
Alzheimer's disease	26.3	16.2	18.3	24.9	12.0	44.2	28.0	11.0	28.4	20.8	30.1	24.8	21.5	27.3	30.1	22.9
Diabetes	23.9	48.8	27.0	28.4	40.3	21.1	37.2	34.7	23.3	24.7	35.4	22.4	23.6	18.3	22.8	27.1
Intentional self-harm (suicide)	18.9	43.4	31.3	27.5	41.1	28.5	11.3	34.2	16.3	34.6	47.6	17.9	16.7	11.6	29.9	16.2
Chronic liver disease and cirrhosis	16.4	78.2	20.5	35.1	47.5	16.5	20.6	47.6	12.9	23.2	60.8	15.1	19.2	1.5	18.7	18.0
Essential (primary) hypertension and hypertensive renal disease	10.6	8.7	7.4	10.9	15.2	7.4	0.0	12.9	11.6	7.6	10.1	9.8	12.1	6.6	8.4	7.1
Influenza and pneumonia	9.6	27.0	15.4	16.5	18.7	7.2	7.9	8.2	8.7	9.0	20.5	10.2	9.6	4.6	8.9	12.6
COVID-19	9.5	18.6	8.1	10.7	5.4	12.5	21.3	9.9	9.6	10.5	14.4	9.4	8.0	7.8	9.2	7.6
Parkinson's disease	9.3	5.2	7.5	13.3	5.2	7.0	20.7	5.1	10.1	6.0	10.5	10.1	7.8	5.8	8.3	6.3
Nephritis	8.2	15.9	14.2	8.3	7.5	18.0	15.8	1.5	6.6	16.9	16.4	10.5	9.1	15.3	5.3	6.6
Assault (homicide)	7.4	16.9	4.7	7.9	26.9	3.1	0.0	9.4	7.3	6.7	12.6	7.4	6.8	8.3	2.4	8.6
Septicemia	5.7	19.1	5.1	4.0	1.8	7.0	22.1	3.7	4.8	9.1	7.7	7.5	3.3	5.1	6.3	12.0
HIV disease	0.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.0	1.0	0.6	2.4	0.7	0.5
Injury by firearms	18.3	23.5	23.7	19.1	46.6	17.8	32.0	39.4	16.7	27.6	29.1	17.6	18.2	14.2	26.0	16.9
Drug-induced deaths	36.8	77.9	39.5	28.2	66.2	23.2	24.0	49.2	34.8	37.2	62.9	44.9	26.3	7.7	37.0	25.9
Opioid-induced deaths	26.8	57.3	25.2	14.3	47.4	18.8	24.0	23.0	26.5	21.7	46.2	32.1	20.0	3.9	25.9	9.5
Alcohol-induced deaths	17.9	118.4	18.0	51.6	49.1	23.1	12.0	35.7	14.6	26.3	91.5	13.1	14.3	0.0	18.9	19.1
AVERAGE AGE AT DEATH	72.4	64.5	73.5	67.2	72.2	70.0	68.8	71.1	72.1	73.5	66.5	74.0	71.2	75.2	76.2	73.1
MEDIAN AGE AT DEATH	76.0	68.0	76.0	71.0	75.0	75.0	71.5	74.0	76.0	75.0	71.0	77.0	75.0	78.0	79.0	76.0

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, 2023

	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	852.7	1599.6	950.3	884.8	1209.4	915.8	831.6	1393.9	815.9	1048.6	1298.5	879.6	752.0	658.5	881.6	734.1
Cardiovascular disease	234.7	279.4	264.3	176.8	347.9	218.2	155.7	339.0	235.3	299.0	308.1	223.4	211.0	209.8	222.3	209.3
Diseases of heart	183.6	220.3	214.3	142.1	276.5	175.0	115.6	283.2	184.1	244.5	238.5	169.0	167.9	154.8	169.8	163.4
Coronary heart disease	133.8	167.0	145.2	87.7	189.3	118.9	99.7	213.0	137.9	193.9	163.5	109.4	121.3	114.0	120.5	124.5
Malignant neoplasms	147.0	188.7	176.5	133.6	159.4	133.7	168.3	234.3	141.1	189.5	153.9	155.8	135.8	124.0	158.7	125.2
Lung cancer	26.1	32.7	29.0	11.9	35.7	33.3	42.0	47.8	24.8	46.5	22.5	27.8	22.7	11.4	27.6	22.5
Prostate cancer	17.2	22.9	26.8	22.5	25.8	21.7	26.5	21.1	14.9	25.8	23.7	19.4	12.5	15.3	22.1	13.1
Colorectal cancer	15.6	21.6	23.9	11.8	13.6	18.5	0.0	26.4	15.8	16.5	19.0	13.4	13.1	15.2	15.8	16.1
Malignant melanoma of skin	3.0	7.6	3.6	3.3	2.9	4.2	0.0	17.8	3.2	2.3	2.5	2.8	2.6	0.0	2.6	1.1
Breast cancer	0.2	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.1	0.0	0.0	0.7	0.0	0.0	0.0	0.7
Accident (unintentional injury)	107.0	353.4	89.0	132.0	164.3	123.6	153.1	186.1	100.0	123.4	222.6	116.6	86.8	69.0	100.0	75.3
Accidental poisoning	51.7	118.6	39.1	51.1	96.9	30.3	45.2	70.2	49.0	44.1	119.0	63.1	36.2	8.3	53.3	32.2
Motor vehicle accident	24.7	141.3	22.8	46.8	43.5	44.8	36.8	37.0	20.9	36.3	48.3	24.5	28.0	17.7	26.3	16.3
Accidental falls	15.0	27.5	12.5	21.0	4.4	20.1	71.1	4.3	15.3	7.6	26.9	17.2	12.9	27.0	15.5	7.6
Accidental drowning	2.2	5.0	1.1	1.2	1.7	4.8	0.0	4.3	2.4	3.4	4.4	0.7	2.0	0.0	0.5	2.0
Chronic lower respiratory diseases	33.5	57.5	55.1	19.3	50.8	17.4	0.0	75.1	30.0	62.4	45.1	32.1	29.8	32.0	40.7	24.2
Cerebrovascular disease	32.5	43.2	34.8	23.7	44.0	21.6	40.1	17.1	31.1	34.1	58.4	37.2	25.0	44.1	34.0	32.2
Diabetes	31.5	51.7	34.5	36.2	66.7	44.2	26.5	37.3	31.0	30.6	42.3	30.1	29.9	18.4	31.8	36.4
Intentional self-harm (suicide)	30.2	68.2	41.3	42.6	66.1	47.5	20.9	66.3	26.0	52.6	73.0	29.5	25.3	24.4	51.8	25.0
Alzheimer's disease	20.9	11.8	17.4	11.8	8.0	39.1	0.0	8.4	22.6	16.2	22.6	21.0	18.4	11.5	22.9	18.5
Chronic liver disease and cirrhosis	19.6	102.7	24.7	47.1	35.2	20.2	26.5	34.8	16.0	23.5	65.0	17.0	19.8	0.0	24.4	23.0
Parkinson's disease	13.4	8.9	12.3	15.8	7.0	10.0	42.4	7.1	15.2	8.5	9.4	13.7	10.3	13.4	12.8	9.8
COVID-19	11.7	27.0	9.8	7.6	7.9	21.1	0.0	8.4	12.3	11.2	19.6	11.7	6.4	12.1	11.5	8.7
Assault (homicide)	11.6	30.4	3.1	12.4	46.1	5.3	0.0	19.1	11.6	9.5	21.0	12.1	9.3	14.4	3.2	11.9
Essential (primary) hypertension	11.3	10.9	6.7	8.0	23.8	5.8	0.0	5.6	12.6	6.6	8.1	9.4	13.0	10.9	11.1	8.1
Influenza and pneumonia	11.2	26.3	18.3	27.4	20.5	10.0	28.7	7.1	10.5	8.1	20.6	11.3	10.5	0.0	9.9	14.3
Nephritis	10.2	21.6	13.6	7.0	3.2	8.5	28.7	2.8	8.5	22.8	23.6	12.5	11.9	21.1	6.5	7.5
Septicemia	6.4	14.0	6.1	8.0	1.7	0.0	18.1	2.8	5.9	9.2	8.7	8.3	3.7	2.6	7.7	8.6
HIV disease	1.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.5	0.0	2.0	1.2	5.1	1.5	0.8
Injury by firearms	31.7	39.5	32.2	33.4	80.9	32.8	59.9	80.0	29.3	45.3	55.4	31.1	27.6	29.8	45.8	24.5
Drug-induced deaths	53.8	114.4	51.6	41.4	102.3	24.5	45.2	70.2	52.1	45.7	86.3	64.4	38.4	11.5	54.1	33.5
Opioid-induced deaths	40.4	90.8	30.0	18.9	81.5	15.9	45.2	28.0	40.8	29.9	68.8	47.4	29.3	3.2	41.0	13.0
Alcohol-induced deaths	23.8	177.1	20.1	72.7	44.4	21.6	21.9	31.8	19.5	30.4	125.6	16.6	17.6	0.0	28.1	24.1
AVERAGE AGE AT DEATH	69.7	60.6	72.1	63.3	69.8	65.6	63.2	71.2	69.1	72.3	63.7	71.4	69.2	73.3	74.4	71.7
MEDIAN AGE AT DEATH	74.0	64.0	74.0	67.0	73.0	71.5	66.0	74.0	73.0	74.0	68.0	75.0	73.0	76.0	77.0	75.0

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, 2023

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
	PER 100,000 FEMALES:															
Total, all causes	597.3	928.5	649.6	588.8	759.3	751.3	760.8	789.7	578.1	724.1	824.0	623.3	556.9	436.4	621.7	495.9
Cardiovascular disease	158.8	163.9	160.3	112.1	182.9	168.9	282.9	197.5	161.7	183.5	191.2	154.5	162.3	122.1	142.6	124.1
Diseases of heart	111.9	130.4	113.0	72.5	141.5	116.2	241.8	145.9	113.8	141.6	128.2	105.3	116.3	84.9	103.9	84.7
Coronary heart disease	73.1	62.0	67.3	38.9	86.4	81.4	156.0	69.8	76.7	109.8	72.7	58.4	83.4	54.5	65.1	53.0
Malignant neoplasms	113.0	122.9	129.3	107.7	136.7	137.9	82.1	137.1	111.2	130.9	115.5	116.2	97.8	75.0	136.2	96.5
Lung cancer	20.5	14.2	20.0	10.6	22.2	33.1	0.0	30.0	20.4	33.4	15.8	19.2	20.0	14.8	23.3	17.6
Breast cancer	17.5	19.4	16.8	13.5	16.7	32.0	0.0	28.4	17.1	16.0	26.8	18.3	13.6	17.1	25.2	15.3
Colorectal cancer	10.4	16.1	12.2	7.8	2.8	3.8	0.0	15.4	11.1	12.6	11.7	9.2	5.5	5.0	15.9	4.3
Cervical cancer	2.0	0.0	0.7	5.5	0.0	3.8	0.0	4.2	1.7	4.9	2.4	1.6	2.6	0.0	6.5	0.0
Malignant melanoma of skin	1.3	0.0	4.0	3.4	1.7	0.0	18.6	11.3	1.2	1.2	0.0	1.7	0.2	5.6	2.4	0.0
Accident (unintentional injury)	42.5	108.6	45.5	45.3	43.9	57.9	18.7	73.2	39.5	53.7	86.5	51.6	36.5	30.6	37.1	28.0
Accidental poisoning	16.4	37.1	21.0	17.6	21.0	33.5	0.0	26.5	14.1	20.3	39.1	23.0	10.4	4.5	14.0	15.0
Accidental falls	11.2	9.0	15.5	8.6	11.5	0.0	18.7	3.7	12.7	6.1	4.8	12.3	6.3	18.0	9.8	0.5
Motor vehicle accident	8.8	50.2	2.6	16.2	6.9	16.2	0.0	38.7	7.1	13.6	38.8	9.1	12.5	0.0	7.3	6.5
Accidental drowning	0.9	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	1.6	0.8	0.0	1.4	2.2
COVID-19	34.2	28.5	37.5	31.8	54.3	30.6	59.7	55.3	32.0	61.6	46.9	30.0	33.2	16.2	53.1	21.7
Cerebrovascular disease	32.2	26.9	34.7	18.9	27.3	43.6	41.1	32.5	32.3	29.7	47.9	34.7	32.5	34.5	25.4	28.2
Chronic lower respiratory diseases	30.4	18.5	19.1	34.5	15.2	47.1	44.3	14.9	32.5	24.9	36.9	27.5	24.4	39.9	36.2	27.0
Alzheimer's disease	17.0	46.2	20.1	21.3	14.8	0.0	48.2	30.7	16.6	18.7	28.3	15.5	17.6	18.0	14.6	18.4
Diabetes	13.4	53.8	17.6	23.4	60.0	14.3	18.6	59.9	10.0	23.2	56.2	13.6	18.8	2.7	13.6	13.3
Chronic liver disease and cirrhosis	9.9	6.6	8.0	12.4	7.0	9.1	0.0	19.0	10.5	8.6	11.5	9.9	11.2	2.6	6.0	6.3
Essential (primary) hypertension	8.3	26.5	13.3	7.1	17.0	3.8	0.0	9.8	7.2	10.0	20.1	9.4	8.9	8.0	8.1	11.0
Influenza and pneumonia	8.0	17.5	21.6	12.5	16.0	5.6	0.0	3.7	7.1	15.8	21.6	6.6	7.3	0.0	8.3	7.3
Intentional self-harm (suicide)	7.8	11.4	6.7	13.0	3.4	4.4	45.3	11.7	7.5	10.0	9.4	7.5	9.7	4.5	7.1	6.6
Nephritis	6.4	10.5	14.9	9.2	11.6	25.6	10.9	0.0	5.0	10.8	10.2	8.7	6.6	10.4	4.3	5.7
Parkinson's disease	5.9	2.4	3.4	11.1	3.4	4.2	0.0	3.3	6.2	3.7	12.0	7.2	5.4	0.0	4.4	3.2
Septicemia	5.1	22.9	4.1	1.0	1.7	12.7	26.6	4.2	3.9	9.3	6.5	6.9	2.9	7.3	4.9	15.0
Assault (homicide)	3.1	3.2	6.4	3.3	6.9	0.0	0.0	0.0	3.0	3.7	3.5	2.6	3.9	2.7	1.5	5.0
HIV disease	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.1	0.0	0.0	0.0	0.0
Injury by firearms	5.2	7.8	15.5	5.1	12.0	0.0	0.0	0.0	4.6	9.2	2.1	4.3	7.8	0.0	6.5	9.0
Drug-induced deaths	19.7	38.8	26.3	15.0	28.8	23.8	0.0	30.2	17.7	28.3	38.2	26.0	11.9	4.5	19.1	17.5
Opioid-induced deaths	12.9	21.5	19.0	9.7	12.2	23.8	0.0	18.4	12.2	12.9	22.4	17.2	8.6	4.5	10.3	5.3
Alcohol-induced deaths	12.3	58.1	16.8	29.6	53.9	26.7	0.0	38.8	10.1	22.5	57.5	10.2	10.7	0.0	10.6	14.6
AVERAGE AGE AT DEATH	75.6	70.1	75.3	72.5	75.4	74.9	74.0	70.9	75.6	75.2	70.3	76.9	73.7	77.6	78.3	75.0
MEDIAN AGE AT DEATH	79.0	74.5	78.0	77.0	77.0	79.0	73.0	76.0	79.0	77.0	74.0	80.0	77.0	80.0	80.0	78.0

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, 2023

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, all causes	69,005	903	1,543	1,032	867	345	80	369	37,224	3,777	1,352	11,348	4,110	350	3,606	1,849	250
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	190†	*	7	*	*	0	0	*	95	10	*	37	12	*	14	9	0
Enterocolitis due to Clostridium difficile	110†	*	*	*	*	0	0	0	53	*	*	25	7	*	7	*	0
Tuberculosis	10†	*	0	0	0	0	0	0	0	*	0	*	0	0	0	*	0
Respiratory tuberculosis	10†	*	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
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	550†	15	11	6	*	*	*	*	264	37	10	113	21	*	24	36	*
Syphilis	10†	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	70†	*	*	0	0	0	0	0	33	*	0	15	6	0	*	*	*
Human immunodeficiency virus (HIV) disease	80†	*	0	0	0	0	0	0	51	*	0	14	*	*	*	*	*
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	390†	7	*	9	*	0	0	*	220	9	6	61	31	*	16	13	*
Malignant neoplasms	12,922	123	317	181	156	58	12	72	6,926	757	200	2,130	792	67	772	337	22
Malignant neoplasm of lip, oral cavity and pharynx	240†	*	*	*	0	0	0	*	130	16	*	39	18	*	13	8	*
Malignant neoplasm of esophagus	350†	6	6	6	6	*	0	*	165	29	8	64	24	*	22	7	*
Malignant neoplasm of stomach	230†	6	*	*	*	*	0	0	127	12	*	32	15	*	10	6	0
Malignant neoplasm of colon, rectum and anus	1,250†	15	37	14	9	*	0	8	725	68	23	172	62	7	81	28	0
Malignant neoplasm of liver and intrahepatic bile ducts	700†	*	23	13	8	*	0	*	374	36	11	121	53	*	24	25	*
Malignant neoplasm of pancreas	1,050†	11	22	13	12	*	*	*	564	43	14	209	70	*	55	24	*
Malignant neoplasm of larynx	80†	0	*	*	*	0	0	0	43	*	*	12	*	0	*	*	0
Malignant neoplasm of trachea, bronchus and lung	2,410†	18	54	20	32	14	*	17	1,272	193	28	383	154	10	144	65	*
Malignant melanoma of skin	210†	*	7	*	*	*	*	*	118	9	*	32	10	*	11	*	0
Malignant neoplasm of breast	910†	9	19	11	7	8	0	*	504	39	20	151	47	6	62	24	*
Malignant neoplasm of cervix uteri	80†	0	*	*	0	*	0	*	44	7	*	9	6	0	7	0	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	240†	*	6	*	*	0	0	*	140	*	*	43	16	*	12	*	0
Malignant neoplasm of ovary	330†	*	9	*	7	*	0	*	196	16	*	40	20	*	15	*	*
Malignant neoplasm of prostate	800†	8	27	14	14	*	*	7	366	64	16	146	42	*	58	22	*
Malignant neoplasm of kidney and renal pelvis	320†	6	11	9	*	*	0	*	169	22	*	54	19	*	15	*	0
Malignant neoplasm of bladder	370†	*	7	6	*	*	0	0	195	23	6	74	15	*	26	6	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL DEATHS, BOTH GENDERS																
	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	360†	*	10	*	*	0	0	*	213	23	*	53	20	*	20	8	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	1,180†	7	17	12	13	*	*	*	650	45	22	208	83	*	71	34	*
Hodgkin's disease	20†	0	0	0	*	0	0	0	11	0	0	*	*	0	*	*	0
Non-Hodgkin's lymphoma	400†	0	6	*	6	*	0	*	209	15	8	78	34	*	20	11	*
Leukemia	530†	*	7	7	*	*	*	*	295	22	8	93	36	*	33	15	0
Multiple myeloma and immunoproliferative neoplasms	230†	*	*	*	*	0	0	*	131	7	6	35	12	0	16	7	*
Other and unspecified malignant neoplasms of lymphoid tissue	10†	0	0	0	0	0	0	0	*	*	0	0	0	0	*	0	0
All other and unspecified malignant neoplasm	1,819	19	50	36	31	8	6	9	931	102	28	288	113	12	122	60	*
In situ neoplasms	390†	*	10	6	10	*	0	*	194	21	9	69	22	*	19	19	*
Anemias	80†	*	*	*	*	0	0	*	36	6	*	12	*	*	*	6	0
Diabetes	2,330†	38	51	39	36	9	*	14	1,283	105	49	341	153	13	107	79	9
Nutritional deficiencies	750†	*	21	13	9	*	*	*	267	107	13	141	52	*	106	11	*
Malnutrition	730†	*	20	11	8	*	*	*	263	102	13	138	51	*	102	10	*
Other nutritional deficiencies	20†	0	*	*	*	0	0	0	*	*	0	*	*	0	*	*	0
Obesity	230†	0	*	7	*	0	*	0	123	9	6	35	18	*	10	7	*
Meningitis	20†	0	0	0	0	0	0	0	14	*	0	*	*	0	0	0	0
Parkinson's disease	940†	*	16	17	6	*	*	*	550	31	15	169	54	*	47	22	*
Alzheimer's disease	2,640†	12	39	32	13	18	*	7	1,544	103	41	419	143	18	166	83	*
Major cardiovascular diseases	19,415	165	426	202	270	79	24	100	10,780	1,119	335	3,019	1,223	107	977	548	41
Diseases of heart	14,514	130	329	150	213	60	20	83	8,043	895	247	2,172	926	76	730	411	29
Acute rheumatic fever and chronic rheumatic heart disease	100†	*	0	*	0	0	0	0	61	*	*	17	*	0	*	*	0
Hypertensive heart disease	2,100†	12	31	15	41	10	*	14	1,307	38	18	261	220	9	88	23	*
Hypertensive heart and renal disease	310†	0	0	*	*	*	*	0	179	*	*	72	32	*	7	6	0
Ischemic heart disease	8,070	74	185	76	104	32	11	52	4,474	662	146	1,059	452	45	412	270	16
Acute myocardial infarction	1,649	28	47	19	13	8	8	10	816	75	58	299	90	13	76	84	*
Other acute ischemic heart disease	60†	*	*	*	0	0	0	0	30	*	*	10	*	*	10	*	0
Other forms of chronic ischemic heart disease	6,360†	45	137	56	91	24	*	42	3,628	583	86	750	360	31	326	184	11
Atherosclerotic cardiovascular disease	1,790†	9	30	11	19	*	0	15	1,039	337	8	136	87	*	75	*	8
All other forms of chronic ischemic heart disease	4,570†	36	107	45	72	20	*	27	2,589	246	78	614	273	27	251	179	*
Other heart diseases	3,950†	43	113	56	66	17	*	17	2,022	188	80	763	217	20	220	110	8
Acute and subacute endocarditis	40†	*	*	0	0	*	0	0	19	0	*	9	*	0	*	0	0
Diseases of pericardium and acute myocarditis	20†	0	0	*	0	0	0	0	13	*	0	*	0	*	*	0	0
Heart failure	1,090†	11	48	10	19	9	*	*	466	80	33	253	69	*	49	30	*
All other forms of heart disease	2,790†	31	62	45	47	7	*	12	1,524	106	46	496	146	14	168	80	6
Essential (primary) hypertension and hypertensive renal disease	1,060†	7	16	15	16	*	0	*	637	39	14	156	81	*	43	23	*
Cerebrovascular diseases	3,240†	26	71	29	35	13	*	10	1,761	147	70	592	190	26	164	98	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL DEATHS, BOTH GENDERS																	
	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown	
Atherosclerosis	100†	0	0	*	0	0	0	0	*	36	19	*	12	*	0	18	6	0
Other diseases of circulatory system	500†	*	10	6	6	*	*	*	*	301	19	*	87	21	0	22	10	6
Aortic aneurysm and dissection	260†	*	7	*	*	*	0	0	*	168	7	0	43	11	0	16	*	*
Other disease of arteries, arterioles and capillaries	240†	*	*	*	*	*	0	0	*	133	12	*	44	10	0	6	*	*
Other disorders of circulatory system	130†	*	*	*	*	*	*	0	0	76	7	*	18	11	0	6	0	0
Influenza and pneumonia	930†	21	28	23	13	*	*	*	*	472	41	28	151	61	*	41	37	*
Influenza	70†	*	*	0	0	0	0	0	0	43	*	*	9	*	*	*	*	0
Pneumonia	860†	19	26	23	13	*	*	*	*	429	40	26	142	56	*	36	36	*
COVID-19	950†	14	18	15	6	*	*	*	6	523	51	20	156	54	*	51	25	*
Other acute lower respiratory infections	10†	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	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	3,480†	32	100	38	59	10	*	32	1,737	312	68	513	220	16	255	77	*	*
Bronchitis, chronic and unspecified	10†	0	0	*	0	0	0	0	0	6	0	0	*	0	0	0	0	0
Emphysema	200†	*	*	*	*	*	0	*	*	85	27	7	37	7	*	16	*	0
Asthma	70†	*	0	0	0	0	*	0	0	41	*	*	16	6	0	*	*	0
Other chronic lower respiratory diseases	3,200†	29	95	34	56	6	*	31	1,605	283	60	459	207	15	235	75	*	*
Pneumoconioses and chemical effects	10†	0	0	0	0	0	0	0	0	*	0	*	*	0	0	*	0	0
Pneumonitis due to solids and liquids	250†	*	*	7	6	0	0	0	0	122	6	6	55	18	0	11	6	*
Other disease of respiratory system	1,190†	18	24	18	11	8	*	7	551	64	23	246	78	12	85	42	*	*
Peptic ulcer	100†	0	*	*	*	*	*	0	53	*	*	14	6	0	*	*	*	0
Diseases of appendix	10†	0	0	*	*	0	0	*	*	*	*	0	*	0	0	*	*	0
Hernia	60†	*	*	*	*	0	0	*	29	0	0	12	8	0	*	*	0	0
Chronic liver disease and cirrhosis	1,420†	52	38	49	27	6	*	14	669	79	64	200	108	*	67	41	7	*
Alcoholic liver disease	860†	35	18	34	17	*	0	7	442	43	45	85	52	0	45	27	*	*
Other chronic liver disease and cirrhosis	560†	17	20	15	10	*	*	7	227	36	19	115	56	*	22	14	*	*
Cholelithiasis and other disorders of gallbladder	90†	*	*	*	*	*	0	0	50	0	*	17	7	*	*	*	*	*
Nephritis, nephrotic syndrome and nephrosis	810†	13	28	12	7	8	*	*	367	69	22	159	60	11	30	21	*	*
Acute and rapidly progressive nephritic and nephrotic syndrome	10†	0	0	0	0	0	0	0	6	0	0	*	0	0	0	0	0	0
Chronic glomerulonephritis	20†	0	0	0	0	0	0	0	12	*	0	*	0	0	0	0	0	0
Renal failure	790†	13	28	11	7	8	*	*	348	68	22	154	60	11	30	21	*	*
Others disorders of kidney	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	*	*	6	*	0	*	*	0	0
Hyperplasia of prostate	10†	0	0	*	0	0	0	0	6	0	0	*	0	0	*	*	0	0
Inflammatory diseases of female pelvic organs	10†	0	0	0	0	0	0	0	*	*	*	0	*	0	0	0	0	0
Pregnancy, childbirth and the puerperium	30†	*	0	*	0	*	0	0	15	*	*	*	*	0	*	*	0	0
Pregnancy with abortive outcome	0†	0	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, 2023

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL DEATHS, BOTH GENDERS																
	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Other complications of pregnancy, childbirth and the puerperium	20†	*	0	*	0	*	*	0	0	14	*	*	0	*	*	0	0
Perinatal conditions	210†	*	*	6	*	*	*	0	*	140	*	*	16	15	0	*	12
Congenital anomalies, deformations and chromosomal abnormalities	230†	*	*	*	*	*	*	0	*	139	8	*	32	17	*	11	*
Symptoms, signs, abnormal findings	690†	25	25	10	10	10	*	0	9	309	20	19	168	26	*	49	11
Total accidents	6,000	144	101	121	55	37	8	28	3,405	232	159	995	303	28	193	119	72
Transport accidents	1,400†	63	20	48	14	15	*	6	725	66	49	203	102	*	42	30	12
Motor vehicle accidents	1,300†	59	19	45	11	13	*	6	671	62	45	187	96	*	40	29	11
Other land transport accidents	40†	*	0	*	*	*	0	0	17	*	*	11	*	0	*	0	0
Water, air, space	60†	*	*	0	*	*	0	0	37	*	*	*	*	0	*	*	*
Nontransport accidents	4,600	81	81	73	41	22	6	22	2,680	166	110	792	201	25	151	89	60
Falls	1,290†	13	28	18	9	*	*	*	762	32	20	237	61	15	67	13	*
Accidental discharge of firearms	10†	*	0	*	0	0	0	0	*	0	0	*	0	0	*	0	0
Accidental drowning and submersion	120†	*	*	*	*	*	0	*	75	*	*	14	7	0	*	*	*
Accidental exposure to smoke, fire and flames	70†	*	0	*	0	0	0	*	34	12	*	9	0	*	*	*	0
Accidental poisoning	2,480†	44	36	46	23	12	*	8	1,460	64	75	448	102	*	65	45	50
Other and unspecified nontransport accidents	640†	19	15	6	8	*	0	9	347	54	11	83	31	6	13	23	7
Intentional self-harm (suicide)	1,490†	27	41	40	19	12	*	9	784	87	47	206	84	6	82	36	*
By discharge of firearms	940†	10	27	16	13	6	*	6	488	62	23	131	59	*	66	25	*
By other means	550†	17	14	24	6	6	0	*	296	25	24	75	25	*	16	11	*
Assault (homicide)	530†	10	*	11	9	*	0	*	331	15	11	76	29	*	*	16	*
By discharge of firearms	410†	*	*	9	7	*	0	*	270	8	6	59	19	*	*	11	*
By other means	120†	6	*	*	*	0	0	0	61	7	*	17	10	*	*	*	0
Legal intervention	30†	0	0	*	0	0	0	*	21	*	0	*	*	0	*	0	0
Events of undetermined intent	160†	7	*	*	*	*	*	*	92	7	*	16	7	0	*	*	*
Discharge of firearms	20†	0	*	0	*	0	*	0	9	*	0	*	*	0	*	0	0
Other and unspecified events of undetermined intent	140†	7	*	*	*	*	0	*	83	6	*	14	*	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	60†	*	*	*	*	*	0	0	33	*	*	14	*	0	*	*	0
Injury by firearms	1,410†	15	33	27	21	7	*	8	788	73	29	195	85	6	74	36	*
Drug-induced deaths	2,710†	42	47	38	26	9	*	9	1,622	78	58	482	114	*	74	48	52
Opioid-induced deaths	1,930†	31	27	20	18	7	*	*	1,218	44	41	331	85	*	47	18	34
Alcohol-induced deaths	1,470†	73	28	71	24	8	*	11	740	79	93	159	71	0	61	42	6

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

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, all causes	37,561	529	884	595	495	180	39	241	19,920	2,197	778	5,997	2,316	191	1,968	1,066	165
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	80+	*	*	0	*	0	0	0	38	8	*	16	7	*	*	*	0
Enterocolitis due to Clostridium difficile	50+	*	*	0	*	0	0	0	22	*	*	10	*	*	*	*	0
Tuberculosis	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
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	290+	*	6	*	*	0	*	*	147	21	*	56	11	*	13	12	*
Syphilis	10+	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	0	19	*	0	12	*	0	*	*	*
Human immunodeficiency virus (HIV) disease	60+	*	0	0	0	0	0	0	40	*	0	13	*	*	*	*	*
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	240+	*	*	8	*	0	0	0	139	6	*	32	21	*	9	9	*
Malignant neoplasms	6,887	69	178	97	82	26	8	43	3,576	455	106	1,141	451	40	417	187	11
Malignant neoplasm of lip, oral cavity and pharynx	180+	*	*	*	0	0	0	*	88	13	0	29	16	*	12	*	*
Malignant neoplasm of esophagus	290+	6	*	*	*	*	0	*	133	25	*	52	22	*	18	6	0
Malignant neoplasm of stomach	140+	*	*	*	0	*	0	0	84	6	*	17	12	*	*	*	0
Malignant neoplasm of colon, rectum and anus	710+	8	23	8	7	*	0	*	397	40	13	94	41	*	43	21	0
Malignant neoplasm of liver and intrahepatic bile ducts	440+	*	16	9	*	*	0	*	231	26	6	75	32	*	19	14	*
Malignant neoplasm of pancreas	540+	*	14	*	*	*	0	*	280	31	7	106	43	*	29	13	0
Malignant neoplasm of larynx	60+	0	*	*	*	0	0	0	36	*	*	9	*	0	*	*	0
Malignant neoplasm of trachea, bronchus and lung	1,260+	11	30	10	18	6	*	10	637	111	16	207	81	*	76	34	*
Malignant melanoma of skin	140+	*	*	*	*	*	0	*	81	6	*	18	9	0	6	*	0
Malignant neoplasm of breast	10+	0	0	0	0	*	0	0	*	0	0	*	0	0	0	*	0
Malignant neoplasm of prostate	800+	8	27	14	14	*	*	7	366	64	16	146	42	*	58	22	*
Malignant neoplasm of kidney and renal pelvis	210+	*	8	*	*	*	0	*	109	10	*	35	14	*	8	*	0
Malignant neoplasm of bladder	260+	*	*	*	*	0	0	0	143	15	*	47	11	*	19	*	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	MALE DEATHS																	
	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown	
	210†	*	*	*	*	*	0	0	*	125	11	*	28	12	0	14	*	0
Malignant neoplasm of meninges, brain and other parts of central nervous system	710†	7	9	6	8	0	0	*	*	386	36	12	123	51	*	44	19	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	0	0	0	*	0	0	0	0	6	0	0	*	0	0	*	*	0
Hodgkin's disease	240†	0	*	*	*	0	0	0	*	122	11	*	49	24	*	13	*	*
Non-Hodgkin's lymphoma	330†	*	*	*	*	0	0	*	*	180	19	*	61	20	*	19	9	0
Leukemia	130†	*	*	0	*	0	0	0	*	76	*	*	12	7	0	10	*	0
Multiple myeloma and immunoproliferative neoplasms	0†	0	0	0	0	0	0	0	0	*	*	0	0	0	0	*	0	0
Other and unspecified malignant neoplasms of lymphoid tissue	960†	13	26	24	10	*	*	*	6	478	57	16	151	61	7	64	33	*
All other and unspecified malignant neoplasm	210†	*	*	*	6	*	*	0	0	100	11	*	40	13	0	8	11	*
In situ neoplasms	40†	0	*	0	0	0	0	0	0	18	*	*	6	*	0	0	*	0
Anemias	1,430†	18	32	23	26	9	*	*	9	785	62	27	209	97	6	72	50	7
Diabetes	300†	*	9	*	*	*	0	0	*	96	53	*	53	24	0	43	*	*
Nutritional deficiencies	290†	*	9	*	*	*	0	0	*	96	51	*	51	24	0	41	*	*
Malnutrition	10†	0	0	*	0	0	0	0	0	0	*	0	*	0	0	*	*	0
Other nutritional deficiencies	130†	0	*	*	*	0	0	0	0	72	*	*	16	13	*	*	6	0
Obesity	10†	0	0	0	0	0	0	0	0	*	*	0	0	*	0	0	0	0
Meningitis	610†	*	12	9	*	*	*	*	*	361	21	6	102	35	*	34	16	0
Parkinson's disease	930†	*	17	7	*	7	0	*	*	528	40	13	154	60	*	58	33	0
Alzheimer's disease	10,651	99	252	115	167	42	8	72	5,768	683	197	1,589	677	62	558	333	29	
Major cardiovascular diseases	8,331	79	205	92	134	34	6	61	4,509	564	152	1,200	537	45	429	260	24	
Diseases of heart	40†	0	0	*	0	0	0	0	0	23	*	*	*	*	0	*	*	0
Acute rheumatic fever and chronic rheumatic heart disease	1,010†	9	20	9	25	6	*	11	601	18	7	122	115	8	40	10	*	*
Hypertensive heart disease	150†	0	0	0	0	0	0	0	94	*	0	30	16	*	*	*	0	0
Hypertensive heart and renal disease	5,100†	52	121	50	72	17	*	39	2,788	425	101	653	275	25	271	189	14	
Ischemic heart disease	1,020†	20	30	10	9	*	*	9	510	49	39	175	53	*	44	63	*	*
Acute myocardial infarction	40†	*	0	0	0	0	0	0	21	*	*	*	*	*	8	0	0	0
Other acute ischemic heart disease	4,030†	31	91	40	63	14	*	30	2,257	373	61	473	220	20	219	126	10	
Other forms of chronic ischemic heart disease	1,220†	7	22	9	14	*	0	11	699	233	6	94	51	*	56	*	7	
Atherosclerotic cardiovascular disease	2,810†	24	69	31	49	10	*	19	1,558	140	55	379	169	18	163	124	*	
All other forms of chronic ischemic heart disease	2,040†	18	64	32	37	11	*	11	1,003	119	43	390	127	10	114	56	6	
Other heart diseases	30†	0	*	0	0	*	0	0	17	0	*	8	*	0	*	0	0	0
Acute and subacute endocarditis	10†	0	0	*	0	0	0	0	7	*	0	*	0	0	0	0	0	0
Diseases of pericardium and acute myocarditis	590†	*	25	8	10	6	*	*	261	54	15	122	31	*	29	15	*	*
Heart failure	1,410†	13	38	23	27	*	0	8	718	64	27	257	94	7	84	41	*	*
All other forms of heart disease	520†	*	7	6	12	*	0	*	310	17	6	66	42	*	25	12	*	*
Essential (primary) hypertension and hypertensive renal disease	1,470†	14	34	15	19	*	*	*	764	73	37	267	81	13	86	52	*	*
Cerebrovascular diseases																		

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	MALE DEATHS																
	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Atherosclerosis	50†	0	0	*	0	0	0	0	*	16	17	*	8	*	0	*	0
Other diseases of circulatory system	280†	*	6	*	*	*	*	*	*	169	12	*	48	16	0	13	6
Aortic aneurysm and dissection	170†	*	*	*	0	0	0	0	*	105	*	0	28	10	0	11	*
Other disease of arteries, arterioles and capillaries	110†	*	*	*	*	*	0	0	*	64	7	*	20	6	0	*	*
Other disorders of circulatory system	80†	0	*	*	*	*	0	0	0	48	*	*	10	8	0	*	0
Influenza and pneumonia	500†	9	18	18	7	*	*	*	*	261	22	13	75	33	0	21	19
Influenza	30†	*	*	0	0	0	0	0	0	21	0	*	*	*	0	*	0
Pneumonia	470†	8	17	18	7	*	*	*	*	240	22	12	70	32	0	19	18
COVID-19	530†	9	10	*	*	*	0	*	*	293	28	13	85	22	*	32	14
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	0	0
Unspecified acute lower respiratory infection	0†	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0
Chronic lower respiratory diseases	1,560†	18	56	14	28	*	0	19	748	152	30	234	101	10	107	40	*
Bronchitis, chronic and unspecified	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Emphysema	100†	*	*	*	*	*	0	*	43	13	*	16	*	*	9	*	0
Asthma	30†	0	0	0	0	0	0	0	19	*	0	*	*	0	*	0	0
Other chronic lower respiratory diseases	1,430†	17	55	11	27	*	0	18	683	138	26	213	96	9	97	39	*
Pneumoconioses and chemical effects	10†	0	0	0	0	0	0	0	*	0	*	*	0	0	*	0	0
Pneumonitis due to solids and liquids	160†	*	*	*	*	0	0	0	71	*	*	36	13	0	9	6	*
Other disease of respiratory system	680†	7	11	11	*	*	*	*	315	34	15	144	40	7	48	28	*
Peptic ulcer	50†	0	*	*	*	0	*	0	26	*	*	10	*	0	*	0	0
Diseases of appendix	10†	0	0	*	*	0	0	*	0	0	0	*	0	0	0	0	0
Hernia	30†	*	*	0	*	0	0	*	15	0	0	*	*	0	*	0	0
Chronic liver disease and cirrhosis	830†	33	24	32	11	*	*	7	400	44	35	111	56	0	43	26	*
Alcoholic liver disease	520†	21	10	23	7	*	0	*	274	23	23	46	30	0	31	18	*
Other chronic liver disease and cirrhosis	320†	12	14	9	*	*	*	*	126	21	12	65	26	0	12	8	*
Cholelithiasis and other disorders of gallbladder	50†	0	*	*	*	0	0	0	29	0	0	9	*	*	*	*	*
Nephritis, nephrotic syndrome and nephrosis	470†	8	14	*	*	*	*	*	213	46	14	87	40	7	17	11	*
Acute and rapidly progressive nephritic and nephrotic syndrome	10†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Chronic glomerulonephritis	10†	0	0	0	0	0	0	0	6	*	0	*	0	0	0	0	0
Renal failure	450†	8	14	*	*	*	*	*	203	45	14	83	40	7	17	11	*
Others disorders of kidney	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	0	0	*	0	0	*	*	0	0	*	0
Hyperplasia of prostate	10†	0	0	*	0	0	0	0	6	0	0	*	0	0	*	*	0

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	MALE DEATHS																	
	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown	
Perinatal conditions	120†	*	*	*	*	*	*	0	0	75	*	*	10	9	0	*	8	0
Congenital anomalies, deformations and chromosomal abnormalities	120†	0	*	*	0	*	*	0	*	76	*	*	14	9	*	*	*	0
Symptoms, signs, abnormal findings	360†	16	18	*	*	*	*	0	*	158	13	10	76	14	0	30	*	*
Total accidents	4,152	108	65	90	39	26	7	22	2,354	161	115	663	218	17	126	87	54	
Transport accidents																		
Motor vehicle accidents	1,040†	46	18	35	13	12	*	*	541	49	29	147	75	*	30	21	10	
Other land transport accidents	950†	42	17	34	10	10	*	*	498	45	25	134	71	*	30	20	9	
Water, air, space	40†	*	0	*	*	*	*	0	0	15	*	*	9	*	0	0	0	
	40†	*	*	0	*	*	0	0	28	*	*	*	*	0	0	*	*	
Nontransport accidents	3,120†	62	47	55	26	14	*	18	1,813	112	86	516	143	14	96	66	44	
Falls	670†	9	13	12	*	*	*	*	368	16	17	123	40	8	38	12	*	
Accidental discharge of firearms	10†	*	0	*	0	0	0	0	*	0	0	*	0	0	*	0	0	
Accidental drowning and submersion	80†	*	*	*	*	*	0	*	56	*	*	*	*	0	*	*	*	
Accidental exposure to smoke, fire and flames	40†	*	0	*	0	0	0	*	21	8	*	7	0	*	*	*	0	
Accidental poisoning	1,880†	34	23	34	18	6	*	6	1,127	46	57	331	80	*	49	31	36	
Other and unspecified nontransport accidents	430†	15	10	6	*	*	0	9	240	39	8	49	18	*	6	18	*	
Intentional self-harm (suicide)	1,170†	22	29	31	16	11	*	8	611	68	37	161	66	6	72	30	*	
By discharge of firearms	840†	9	21	15	12	6	*	6	439	53	22	115	50	*	61	21	*	
By other means	340†	13	8	16	*	*	0	*	172	15	15	46	16	*	11	9	*	
Assault (homicide)	420†	9	*	9	8	*	0	*	264	10	9	63	22	*	*	12	*	
By discharge of firearms	320†	*	0	7	6	*	0	*	215	6	*	51	13	*	*	8	*	
By other means	100†	6	*	*	*	0	0	0	49	*	*	12	9	*	*	*	0	
Legal intervention	30†	0	0	*	0	0	0	*	21	*	0	*	*	0	*	0	0	
Events of undetermined intent	100†	6	*	*	*	*	*	*	56	*	*	8	6	0	*	0	*	
Discharge of firearms	20†	0	*	0	*	0	*	0	7	0	0	*	*	0	*	0	0	
Other and unspecified events of undetermined intent	80†	6	0	*	*	*	0	*	49	*	*	6	*	0	*	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	30†	*	*	0	0	0	0	0	16	*	*	*	*	0	*	*	0	
Injury by firearms	1,210†	13	24	24	19	7	*	8	681	61	27	171	69	6	67	29	*	
Drug-induced deaths	1,970†	32	31	29	19	*	*	6	1,204	51	41	342	87	*	51	32	38	
Opioid-induced deaths	1,450†	25	16	14	15	*	*	*	933	31	31	242	65	*	35	12	26	
Alcohol-induced deaths	970†	54	18	49	11	*	*	7	482	51	66	102	44	0	46	28	*	

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

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, all causes	31,444	374	659	437	372	165	41	128	17,304	1,580	574	5,351	1,794	159	1,638	783	85
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	110†	0	*	*	0	0	0	*	57	*	*	21	*	*	10	7	0
Enterocolitis due to Clostridium difficile	60†	0	*	*	0	0	0	0	31	0	0	15	*	*	*	*	0
Tuberculosis	10†	*	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
Other tuberculosis	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	270†	10	*	*	*	*	*	*	117	16	*	57	10	*	11	24	*
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	20†	0	0	0	0	0	0	0	14	*	0	*	*	0	*	*	0
Human immunodeficiency virus (HIV) disease	10†	0	0	0	0	0	0	0	11	*	0	*	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	150†	*	*	*	*	*	0	*	81	*	*	29	10	*	7	*	*
Malignant neoplasms	6,040†	54	139	84	74	32	*	29	3,350	302	94	989	341	27	355	150	11
Malignant neoplasm of lip, oral cavity and pharynx	70†	*	*	*	0	0	0	0	42	*	*	10	*	*	*	*	0
Malignant neoplasm of esophagus	60†	0	*	*	*	0	0	0	32	*	*	12	*	0	*	*	*
Malignant neoplasm of stomach	90†	*	*	*	*	0	0	0	43	6	*	15	*	*	6	*	0
Malignant neoplasm of colon, rectum and anus	550†	7	14	6	*	*	0	*	328	28	10	78	21	*	38	7	0
Malignant neoplasm of liver and intrahepatic bile ducts	260†	*	7	*	*	*	0	0	143	10	*	46	21	0	*	11	*
Malignant neoplasm of pancreas	510†	8	8	10	8	*	*	*	284	12	7	103	27	0	26	11	*
Malignant neoplasm of larynx	20†	0	0	*	0	0	0	0	7	*	*	*	*	0	*	*	0
Malignant neoplasm of trachea, bronchus and lung	1,153	7	24	10	14	8	0	7	635	82	12	176	73	6	68	31	0
Malignant melanoma of skin	70†	0	*	*	*	0	*	*	37	*	0	14	*	*	*	0	0
Malignant neoplasm of breast	910†	9	19	11	7	7	0	*	502	39	20	147	47	6	62	23	*
Malignant neoplasm of cervix uteri	80†	0	*	*	0	*	0	*	44	7	*	9	6	0	7	0	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	240†	*	6	*	*	0	0	*	140	*	*	43	16	*	12	*	0
Malignant neoplasm of ovary	330†	*	9	*	7	*	0	*	196	16	*	40	20	*	15	*	*
Malignant neoplasm of kidney and renal pelvis	120†	*	*	6	*	*	0	*	60	12	0	19	*	0	7	0	0
Malignant neoplasm of bladder	110†	*	*	*	0	*	0	0	52	8	*	27	*	0	7	*	0

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	FEMALE DEATHS																
	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
	150†	0	*	*	0	0	0	*	88	12	*	25	8	*	6	*	*
Malignant neoplasm of meninges, brain and other parts of central nervous system	470†	0	8	6	*	*	*	*	264	9	10	85	32	*	27	15	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	0	0	0	*	0	0	0	*	0	0	*	*	0	0	0	0
Hodgkin's disease	160†	0	*	*	*	*	0	*	87	*	*	29	10	0	7	6	*
Non-Hodgkin's lymphoma	200†	0	*	*	*	*	0	0	115	*	*	32	16	*	14	6	0
Leukemia	100†	0	*	*	*	0	0	0	55	*	*	23	*	0	6	*	*
Multiple myeloma and immunoproliferative neoplasms	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Other and unspecified malignant neoplasms of lymphoid tissue	860†	6	24	12	21	*	*	*	453	45	12	137	52	*	58	27	0
All other and unspecified malignant neoplasm	180†	0	6	*	*	0	0	0	94	10	*	29	9	*	11	8	*
In situ neoplasms	40†	*	0	*	*	0	0	*	18	*	*	6	0	*	*	*	0
Anemias	900†	20	19	16	10	0	*	*	498	43	22	132	56	7	35	29	*
Diabetes	450†	*	12	9	*	0	*	*	171	54	9	88	28	*	63	7	0
Nutritional deficiencies	440†	*	11	9	*	0	*	*	167	51	9	87	27	*	61	7	0
Malnutrition	10†	0	*	0	*	0	0	0	*	*	0	*	*	0	*	0	0
Other nutritional deficiencies	90†	0	0	*	0	0	*	0	51	*	*	19	*	*	6	*	*
Obesity	10†	0	0	0	0	0	0	0	11	0	0	*	*	0	0	0	0
Meningitis	330†	*	*	8	*	*	0	*	189	10	9	67	19	0	13	6	*
Parkinson's disease	1,710†	8	22	25	9	11	*	*	1,016	63	28	265	83	15	108	50	*
Alzheimer's disease	8,764	66	174	87	103	37	16	28	5,012	436	138	1,430	546	45	419	215	12
Major cardiovascular diseases	6,183	51	124	58	79	26	14	22	3,534	331	95	972	389	31	301	151	*
Diseases of heart	60†	*	0	0	0	0	0	0	38	*	*	12	*	0	*	*	0
Acute rheumatic fever and chronic rheumatic heart disease	1,090†	*	11	6	16	*	*	*	706	20	11	139	105	*	48	13	*
Hypertensive heart disease	160†	0	0	*	*	*	*	0	85	*	*	42	16	0	*	*	0
Hypertensive heart and renal disease	2,975	22	64	26	32	15	8	13	1,686	237	45	406	177	20	141	81	*
Ischemic heart disease	630†	8	17	9	*	*	6	*	306	26	19	124	37	9	32	21	*
Acute myocardial infarction	20†	0	*	*	0	0	0	0	9	*	*	*	0	0	*	*	0
Other acute ischemic heart disease	2,330†	14	46	16	28	10	*	12	1,371	210	25	277	140	11	107	58	*
Other forms of chronic ischemic heart disease	570†	*	8	*	*	0	0	*	340	104	*	42	36	*	19	*	*
Atherosclerotic cardiovascular disease	1,760†	12	38	14	23	10	*	8	1,031	106	23	235	104	9	88	55	0
All other forms of chronic ischemic heart disease	1,900†	25	49	24	29	6	*	6	1,019	69	37	373	90	10	106	54	*
Other heart diseases	10†	*	*	0	0	0	0	0	*	0	0	*	0	0	*	0	0
Acute and subacute endocarditis	10†	0	0	0	0	0	0	0	6	*	0	*	0	*	*	0	0
Diseases of pericardium and acute myocarditis	500†	6	23	*	9	*	*	*	205	26	18	131	38	*	20	15	*
Heart failure	1,380†	18	24	22	20	*	*	*	806	42	19	239	52	7	84	39	*
All other forms of heart disease	550†	*	9	9	*	*	*	0	327	22	8	90	39	*	18	11	*
Essential (primary) hypertension and hypertensive renal disease	1,770†	12	37	14	16	9	*	*	997	74	33	325	109	13	78	46	*
Cerebrovascular diseases																	

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2023

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	FEMALE DEATHS																
	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Atherosclerosis	50†	0	0	*	0	0	0	0	0	20	*	0	*	0	13	*	0
Other diseases of circulatory system	220†	0	*	*	*	0	0	0	0	132	7	*	39	*	0	9	*
Aortic aneurysm and dissection	90†	0	*	*	*	0	0	0	0	63	*	0	15	*	0	*	*
Other disease of arteries, arterioles and capillaries	120†	0	*	*	*	0	0	0	0	69	*	*	24	*	0	*	*
Other disorders of circulatory system	50†	*	*	*	*	0	0	0	0	28	*	0	8	*	0	0	0
Influenza and pneumonia	430†	12	10	*	6	*	0	*	211	19	15	76	28	*	20	18	*
Influenza	40†	*	*	0	0	0	0	0	22	*	*	*	*	*	*	0	0
Pneumonia	390†	11	9	*	6	*	0	*	189	18	14	72	24	*	17	18	*
COVID-19	430†	*	8	10	*	*	*	*	230	23	7	71	32	*	19	11	*
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	1,910†	14	44	24	31	7	*	13	989	160	38	279	119	6	148	37	*
Bronchitis, chronic and unspecified	10†	0	0	*	0	0	0	0	*	0	0	*	0	0	0	0	0
Emphysema	100†	*	*	0	*	*	0	0	42	14	*	21	*	0	7	0	0
Asthma	50†	*	0	0	0	*	*	0	22	*	*	11	*	0	*	*	0
Other chronic lower respiratory diseases	1,760†	12	40	23	29	*	*	13	922	145	34	246	111	6	138	36	*
Pneumoconioses and chemical effects	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	90†	*	*	*	*	0	0	0	51	*	*	19	*	0	*	0	0
Other disease of respiratory system	510†	11	13	7	6	*	0	*	236	30	8	102	38	*	37	14	*
Peptic ulcer	50†	0	*	*	*	*	0	0	27	*	*	*	*	0	0	*	0
Diseases of appendix	10†	0	0	0	0	0	0	0	*	*	0	0	0	0	*	*	0
Hernia	30†	0	0	*	0	0	0	0	14	0	0	9	*	0	0	*	0
Chronic liver disease and cirrhosis	590†	19	14	17	16	*	*	7	269	35	29	89	52	*	24	15	*
Alcoholic liver disease	340†	14	8	11	10	*	0	*	168	20	22	39	22	0	14	9	*
Other chronic liver disease and cirrhosis	250†	*	6	6	6	0	*	*	101	15	7	50	30	*	10	6	0
Cholelithiasis and other disorders of gallbladder	40†	*	*	*	0	*	0	0	21	0	*	8	*	0	0	*	0
Nephritis, nephrotic syndrome and nephrosis	340†	*	14	7	*	6	*	0	154	23	8	72	20	*	13	10	0
Acute and rapidly progressive nephritic and nephrotic syndrome	0†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Chronic glomerulonephritis	6	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Renal failure	330†	*	14	6	*	6	*	0	145	23	8	71	20	*	13	10	0
Others disorders of kidney	0†	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0
Infections of kidney	20†	*	0	*	0	0	0	0	9	*	*	*	*	0	*	*	0
Inflammatory diseases of female pelvic organs	10†	0	0	0	0	0	0	0	*	*	*	0	*	0	0	0	0
Pregnancy, childbirth and the puerperium	30†	*	0	*	0	*	0	0	15	*	*	*	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, 2023

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
	FEMALE DEATHS																
Other complications of pregnancy, childbirth and the puerperium	20†	*	0	*	0	*	*	0	0	14	*	*	0	*	*	0	0
Perinatal conditions	90†	*	0	*	*	*	0	*	65	*	*	6	6	0	*	*	0
Congenital anomalies, deformations and chromosomal abnormalities	110†	*	*	*	*	0	0	0	63	*	0	18	8	*	8	*	0
Symptoms, signs, abnormal findings	340†	9	7	*	*	*	0	6	151	7	9	92	12	*	19	6	*
Total accidents	1,850†	36	36	31	16	11	*	6	1,051	71	44	332	85	11	67	32	18
Transport accidents	370†	17	*	13	*	*	0	*	184	17	20	56	27	0	12	9	*
Motor vehicle accidents	350†	17	*	11	*	*	0	*	173	17	20	53	25	0	10	9	*
Other land transport accidents	10†	0	0	*	0	0	0	0	*	0	0	*	0	0	*	0	0
Water, air, space	10†	0	0	0	0	0	0	0	9	0	0	*	*	0	*	0	0
Nontransport accidents	1,480†	19	34	18	15	8	*	*	867	54	24	276	58	11	55	23	16
Falls	620†	*	15	6	7	0	*	*	394	16	*	114	21	7	29	*	0
Accidental discharge of firearms	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Accidental drowning and submersion	40†	0	*	0	0	0	0	0	19	*	0	9	*	0	*	*	0
Accidental exposure to smoke, fire and flames	20†	*	0	0	0	0	0	*	13	*	0	*	0	0	*	*	0
Accidental poisoning	600†	10	13	12	*	6	0	*	333	18	18	117	22	*	16	14	14
Other and unspecified nontransport accidents	200†	*	*	0	*	*	0	0	107	15	*	34	13	*	7	*	*
Intentional self-harm (suicide)	310†	*	12	9	*	*	0	*	173	19	10	45	18	0	10	6	0
By discharge of firearms	100†	*	6	*	*	0	0	0	49	9	*	16	9	0	*	*	0
By other means	210†	*	6	8	*	*	0	*	124	10	9	29	9	0	*	*	0
Assault (homicide)	110†	*	*	*	*	0	0	0	67	*	*	13	7	*	*	*	0
By discharge of firearms	80†	*	*	*	*	0	0	0	55	*	*	8	6	0	*	*	0
By other means	20†	0	0	0	0	0	0	0	12	*	*	*	*	*	0	*	0
Legal intervention	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0
Events of undetermined intent	60†	*	*	0	*	0	0	0	36	*	*	8	*	0	*	*	0
Discharge of firearms	0†	0	0	0	0	0	0	0	*	*	0	0	*	0	0	0	0
Other and unspecified events of undetermined intent	50†	*	*	0	*	0	0	0	34	*	*	8	0	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	30†	0	0	*	*	0	0	0	17	0	*	11	*	0	0	*	0
Injury by firearms	190†	*	9	*	*	0	0	0	107	12	*	24	16	0	7	7	0
Drug-induced deaths	730†	10	16	9	7	*	0	*	418	27	17	140	27	*	23	16	14
Opioid-induced deaths	480†	6	11	6	*	*	0	*	285	13	10	89	20	*	12	6	8
Alcohol-induced deaths	500†	19	10	22	13	*	0	*	258	28	27	57	27	0	15	14	*

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, 2023**

	ARIZONA	Apache	Cochise	Cocoino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total, all causes	917.0	1349.3	1212.0	684.7	1611.5	870.0	827.2	2184.7	797.9	1683.4	1230.9	1050.4	879.2	699.9	1448.8	863.0
Cardiovascular disease	258.0	246.6	334.6	134.0	501.9	199.2	248.2	592.1	231.1	498.7	305.0	279.5	261.6	214.0	392.5	255.8
Diseases of heart	192.9	194.3	258.4	99.5	395.9	151.3	206.8	491.4	172.4	398.9	224.9	201.1	198.1	152.0	293.3	191.8
Coronary heart disease	135.1	128.5	169.7	60.4	269.5	105.9	144.8	390.8	123.9	312.0	149.3	122.2	143.8	108.0	200.9	136.7
Malignant neoplasms	171.7	183.8	249.0	120.1	290.0	146.3	124.1	426.3	148.5	337.4	182.1	197.2	169.4	134.0	310.2	157.3
Lung cancer	32.0	26.9	42.4	13.3	59.5	35.3	20.7	100.7	27.3	86.0	25.5	35.5	32.9	20.0	57.9	30.3
Colorectal cancer	16.7	22.4	29.1	9.3	16.7	12.6	0.0	47.4	15.5	30.3	20.9	15.9	13.3	14.0	32.5	13.1
Breast cancer	12.1	13.4	14.9	7.3	13.0	20.2	0.0	23.7	10.8	17.4	18.2	14.0	10.1	12.0	24.9	11.2
Prostate cancer	10.6	12.0	21.2	9.3	26.0	10.1	10.3	41.4	7.8	28.5	14.6	13.5	9.0	10.0	23.3	10.3
Malignant melanoma of skin	2.8	3.0	5.5	3.3	5.6	2.5	10.3	23.7	2.5	4.0	1.8	3.0	2.1	2.0	4.4	0.9
Cervical cancer	1.1	0.0	0.8	2.0	0.0	2.5	0.0	5.9	0.9	3.1	0.9	0.8	1.3	0.0	2.8	0.0
Accident (unintentional injury)	79.7	215.2	79.3	80.3	102.2	93.3	82.7	165.8	73.0	103.4	144.8	92.1	64.8	56.0	77.5	55.5
Accidental poisoning	33.0	65.7	28.3	30.5	42.8	30.3	20.7	47.4	31.3	28.5	68.3	41.5	21.8	6.0	26.1	21.0
Motor vehicle accident	17.3	88.2	14.9	29.9	20.4	32.8	20.7	35.5	14.4	27.6	41.0	17.3	20.5	6.0	16.1	13.5
Falls	17.1	19.4	22.0	11.9	16.7	10.1	41.4	11.8	16.3	14.3	18.2	21.9	13.0	30.0	26.9	6.1
Accidental drowning	1.6	3.0	1.6	0.7	1.9	2.5	0.0	5.9	1.6	1.8	2.7	1.3	1.5	0.0	1.2	2.3
Chronic lower respiratory diseases	46.2	47.8	78.6	25.2	109.7	25.2	31.0	189.5	37.2	139.1	61.9	47.5	47.1	32.0	102.5	35.9
Cerebrovascular disease	43.1	38.9	55.8	19.2	65.1	32.8	41.4	59.2	37.7	65.5	63.7	54.8	40.6	52.0	65.9	45.7
Alzheimer's disease	35.1	17.9	30.6	21.2	24.2	45.4	31.0	41.4	33.1	45.9	37.3	38.8	30.6	36.0	66.7	38.7
Diabetes	31.0	56.8	40.1	25.9	66.9	22.7	41.4	82.9	27.5	46.8	44.6	31.6	32.7	26.0	43.0	36.9
Intentional self-harm (suicide)	19.7	40.3	32.2	26.5	35.3	30.3	10.3	53.3	16.8	38.8	42.8	19.1	18.0	12.0	32.9	16.8
Chronic liver disease and cirrhosis	18.9	77.7	29.8	32.5	50.2	15.1	20.7	82.9	14.3	35.2	58.3	18.5	23.1	2.0	26.9	19.1
Essential (primary) hypertension	14.1	10.5	12.6	10.0	29.7	7.6	0.0	17.8	13.7	17.4	12.7	14.4	17.3	10.0	17.3	10.7
COVID-19	12.7	20.9	14.1	10.0	11.2	12.6	20.7	35.5	11.2	22.7	18.2	14.4	11.6	8.0	20.5	11.7
Parkinson's disease	12.5	6.0	12.6	11.3	11.2	7.6	20.7	17.8	11.8	13.8	13.7	15.6	11.6	8.0	18.9	10.3
Influenza and pneumonia	12.4	31.4	22.0	15.3	24.2	7.6	10.3	29.6	10.1	18.3	25.5	14.0	13.0	6.0	16.5	17.3
Nephritis	10.8	19.4	22.0	8.0	13.0	20.2	20.7	5.9	7.9	30.8	20.0	14.7	12.8	22.0	12.1	9.8
Septicemia	7.3	22.4	8.6	4.0	3.7	7.6	20.7	11.8	5.7	16.5	9.1	10.5	4.5	6.0	9.6	16.8
Assault (homicide)	7.0	14.9	3.9	7.3	16.7	2.5	0.0	5.9	7.1	6.7	10.0	7.0	6.2	8.0	2.0	7.5
HIV disease	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	0.0	1.3	0.6	2.0	0.4	0.5
Injury by firearms	18.7	22.4	25.9	17.9	39.0	17.7	31.0	47.4	16.9	32.5	26.4	18.1	18.2	12.0	29.7	16.8
Drug-induced deaths	35.9	62.8	36.9	25.2	48.3	22.7	20.7	53.3	34.8	34.8	52.8	44.6	24.4	8.0	29.7	22.4
Opioid-induced deaths	25.6	46.3	21.2	13.3	33.5	17.7	20.7	17.8	26.1	19.6	37.3	30.6	18.2	4.0	18.9	8.4
Alcohol-induced deaths	19.5	109.1	22.0	47.1	44.6	20.2	10.3	65.1	15.9	35.2	84.7	14.7	15.2	0.0	24.5	19.6

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, 2023

	ARIZONA	Apache	Cochise	Cocconino	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	28.1	18.3	27.6	19.6	31.1	22.9	30.0	27.1	29.0	29.6	24.8	26.6	29.7	30.6	27.1	29.6
Diseases of heart	21.0	14.4	21.3	14.5	24.6	17.4	25.0	22.5	21.6	23.7	18.3	19.1	22.5	21.7	20.2	22.2
Coronary heart disease	14.7	9.5	14.0	8.8	16.7	12.2	17.5	17.9	15.5	18.5	12.1	11.6	16.3	15.4	13.9	15.8
Malignant neoplasms	18.7	13.6	20.5	17.5	18.0	16.8	15.0	19.5	18.6	20.0	14.8	18.8	19.3	19.1	21.4	18.2
Lung cancer	3.5	2.0	3.5	1.9	3.7	4.1	2.5	4.6	3.4	5.1	2.1	3.4	3.8	2.9	4.0	3.5
Colorectal cancer	1.8	1.7	2.4	1.4	1.0	1.4	0.0	2.2	1.9	1.8	1.7	1.5	1.5	2.0	2.2	1.5
Breast cancer	1.3	1.0	1.2	1.1	0.8	2.3	0.0	1.1	1.4	1.0	1.5	1.3	1.1	1.7	1.7	1.3
Prostate cancer	1.2	0.9	1.7	1.4	1.6	1.2	1.3	1.9	1.0	1.7	1.2	1.3	1.0	1.4	1.6	1.2
Malignant melanoma of skin	0.3	0.2	0.5	0.5	0.3	0.3	1.3	1.1	0.3	0.2	0.1	0.3	0.2	0.3	0.3	0.1
Cervical cancer	0.1	0.0	0.1	0.3	0.0	0.3	0.0	0.3	0.1	0.2	0.1	0.1	0.1	0.0	0.2	0.0
Accident (unintentional injury)	8.7	15.9	6.5	11.7	6.3	10.7	10.0	7.6	9.1	6.1	11.8	8.8	7.4	8.0	5.4	6.4
Accidental poisoning	3.6	4.9	2.3	4.5	2.7	3.5	2.5	2.2	3.9	1.7	5.5	3.9	2.5	0.9	1.8	2.4
Motor vehicle accident	1.9	6.5	1.2	4.4	1.3	3.8	2.5	1.6	1.8	1.6	3.3	1.6	2.3	0.9	1.1	1.6
Falls	1.9	1.4	1.8	1.7	1.0	1.2	5.0	0.5	2.0	0.8	1.5	2.1	1.5	4.3	1.9	0.7
Accidental drowning	0.2	0.2	0.1	0.1	0.1	0.3	0.0	0.3	0.2	0.1	0.2	0.1	0.2	0.0	0.1	0.3
Chronic lower respiratory diseases	5.0	3.5	6.5	3.7	6.8	2.9	3.8	8.7	4.7	8.3	5.0	4.5	5.4	4.6	7.1	4.2
Cerebrovascular disease	4.7	2.9	4.6	2.8	4.0	3.8	5.0	2.7	4.7	3.9	5.2	5.2	4.6	7.4	4.5	5.3
Alzheimer's disease	3.8	1.3	2.5	3.1	1.5	5.2	3.8	1.9	4.1	2.7	3.0	3.7	3.5	5.1	4.6	4.5
Diabetes	3.4	4.2	3.3	3.8	4.2	2.6	5.0	3.8	3.4	2.8	3.6	3.0	3.7	3.7	3.0	4.3
Intentional self-harm (suicide)	2.2	3.0	2.7	3.9	2.2	3.5	1.3	2.4	2.1	2.3	3.5	1.8	2.0	1.7	2.3	1.9
Chronic liver disease and cirrhosis	2.1	5.8	2.5	4.7	3.1	1.7	2.5	3.8	1.8	2.1	4.7	1.8	2.6	0.3	1.9	2.2
Essential (primary) hypertension	1.5	0.8	1.0	1.5	1.8	0.9	0.0	0.8	1.7	1.0	1.0	1.4	2.0	1.4	1.2	1.2
COVID-19	1.4	1.6	1.2	1.5	0.7	1.4	2.5	1.6	1.4	1.4	1.5	1.4	1.3	1.1	1.4	1.4
Parkinson's disease	1.4	0.4	1.0	1.6	0.7	0.9	2.5	0.8	1.5	0.8	1.1	1.5	1.3	1.1	1.3	1.2
Influenza and pneumonia	1.3	2.3	1.8	2.2	1.5	0.9	1.3	1.4	1.3	1.1	2.1	1.3	1.5	0.9	1.1	2.0
Nephritis	1.2	1.4	1.8	1.2	0.8	2.3	2.5	0.3	1.0	1.8	1.6	1.4	1.5	3.1	0.8	1.1
Septicemia	0.8	1.7	0.7	0.6	0.2	0.9	2.5	0.5	0.7	1.0	0.7	1.0	0.5	0.9	0.7	1.9
Assault (homicide)	0.8	1.1	0.3	1.1	1.0	0.3	0.0	0.3	0.9	0.4	0.8	0.7	0.7	1.1	0.1	0.9
HIV disease	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.3	0.0	0.1
Injury by firearms	2.0	1.7	2.1	2.6	2.4	2.0	3.8	2.2	2.1	1.9	2.1	1.7	2.1	1.7	2.1	1.9
Drug-induced deaths	3.9	4.7	3.0	3.7	3.0	2.6	2.5	2.4	4.4	2.1	4.3	4.2	2.8	1.1	2.1	2.6
Opioid-induced deaths	2.8	3.4	1.7	1.9	2.1	2.0	2.5	0.8	3.3	1.2	3.0	2.9	2.1	0.6	1.3	1.0
Alcohol-induced deaths	2.1	8.1	1.8	6.9	2.8	2.3	1.3	3.0	2.0	2.1	6.9	1.4	1.7	0.0	1.7	2.3

TABLE 5E-15

MORTALITY BY FIVE-YEAR AGE GROUPS AND COUNTY OF RESIDENCE, ARIZONA, 2023

	Total ^a	Infant's age group:					Age group																				
		<1 day	1-6 days	7-27 days	28-365 days	Total <1 year	1-4	5-9	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	100+
ARIZONA	69,005	150†	90†	60†	130†	430†	100†	60†	100†	340†	520†	800†	1,080†	1,210†	1,380†	1,460†	2,210†	3,060†	4,759	6,364	7,684	9,316	9,692	8,650†	6,357	2,840†	580†
Apache	903	*	*	*	0	0†	*	0	0	7	9	34	41	52	48	29	37	52	72	89	87	81	98	83	50	25	*
Cochise	1,543	*	0	0	*	10†	*	*	*	*	7	11	15	19	29	34	34	67	113	154	195	249	222	195	131	48	8
Coconino	1,032	*	*	*	*	0	*	0	*	10	9	23	36	35	34	48	39	54	75	104	119	100	109	106	71	36	10
Gila	867	*	*	*	*	0	0	0	0	*	9	9	6	23	15	18	30	45	55	88	119	119	104	103	85	29	*
Graham	345	*	*	0	*	0†	*	*	*	*	8	*	8	6	*	11	14	19	26	27	35	50	36	38	35	13	*
Greenlee	80	0	0	0	0	0	0	0	0	0	*	*	*	0	*	*	*	*	8	10	13	6	12	*	9	*	0
La Paz	369	0	*	0	0	0†	*	0	*	0	*	*	*	*	*	7	11	15	39	46	50	67	68	29	12	*	*
Maricopa	37,224	98	56	41	85	280	57	43	63	202	319	476	619	684	798	806	1,251	1,711	2,560	3,213	3,927	4,833	5,128	4,725	3,583	1,600	346
Mohave	3,777	*	0	*	6	10†	*	*	*	13	11	26	26	36	32	65	101	160	326	452	511	545	621	466	251	104	14
Navajo	1,352	*	*	*	*	10†	*	*	0	11	17	28	60	47	42	47	66	72	90	131	159	170	156	127	64	36	12
Pima	11,348	12	*	8	12	40†	10	7	18	44	72	94	154	175	186	219	335	458	753	1,044	1,215	1,535	1,582	1,552	1,181	554	123
Pinal	4,110	10	9	*	14	40†	10	*	10	23	26	47	51	66	87	94	142	184	264	419	518	633	628	447	295	118	7
Santa Cruz	350	0	0	0	0	0	0	0	*	0	*	*	*	*	*	6	13	19	16	32	43	43	56	50	37	16	*
Yavapai	3,606	*	*	*	*	10†	*	0	0	8	12	14	29	36	44	42	70	106	204	334	443	583	580	491	373	191	32
Yuma	1,849	10	*	0	*	20†	*	*	*	9	6	22	25	16	36	23	40	71	128	184	228	287	270	228	175	62	12
Unknown	250	0	0	0	*	0†	0	0	0	*	*	6	*	13	15	9	27	27	30	37	22	15	22	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; * Includes records with unknown age.

TABLE 5E-16
INFANT MORTALITY BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	447	535	473	454	461	447	430	404	430	483	430
Apache	10	16	10	15	6	*	*	7	*	6	*
Cochise	13	8	12	6	8	*	10	9	7	9	*
Coconino	10	8	10	10	6	10	9	*	6	11	10
Gila	*	*	*	*	7	*	*	*	*	*	*
Graham	*	*	*	*	*	*	*	*	*	*	*
Greenlee	*	*	0	0	*	*	0	0	0	*	0
La Paz	*	*	*	*	*	*	*	*	*	*	*
Maricopa	285	342	291	291	300	274	250	239	275	303	280
Mohave	6	14	16	9	11	6	9	10	10	9	9
Navajo	7	11	13	*	15	19	10	9	6	12	11
Pima	58	65	48	53	43	61	61	56	54	58	37
Pinal	18	29	26	23	28	31	29	23	26	31	37
Santa Cruz	*	*	*	*	*	*	*	*	*	*	0
Yavapai	8	11	13	11	11	10	13	13	8	12	12
Yuma	18	18	23	14	9	15	20	23	19	16	17
Unknown	*	*	*	9	6	0	*	*	*	*	*

Notes: * Cell suppressed due to non-zero count less than 6.

TABLE 5E-17
INFANT MORTALITY RATES^a BY COUNTY OF RESIDENCE, ARIZONA, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	5.3	6.2	5.6	5.4	5.6	5.6	5.4	5.3	5.5	6.2	5.5
Apache	10.5	15.7	10.5	14.7	6.3	**	**	8.9	**	8.2	**
Cochise	8.1	4.9	7.7	3.9	6.0	**	7.4	7.1	5.6	7.3	**
Coconino	6.2	4.7	6.3	6.2	4.0	6.7	6.6	**	4.6	8.4	7.8
Gila	**	**	**	**	12.9	**	**	**	**	**	**
Graham	**	**	**	**	**	**	**	**	**	**	**
Greenlee	**	**	0.0	0.0	**	**	0.0	0.0	0.0	**	0.0
La Paz	**	**	**	**	**	**	**	**	**	**	**
Maricopa	5.3	6.2	5.3	5.4	5.7	5.3	4.9	4.9	5.5	6.0	5.6
Mohave	3.4	7.6	8.7	5.0	6.3	3.4	5.2	5.9	5.5	5.2	5.3
Navajo	4.5	6.8	8.6	**	10.0	13.8	7.4	6.9	5.0	9.7	9.0
Pima	4.8	5.5	4.2	4.6	3.9	5.7	5.9	5.6	5.4	5.8	3.8
Pinal	3.9	6.5	5.8	5.1	6.4	6.9	6.4	4.9	5.4	6.0	6.9
Santa Cruz	**	**	**	**	**	**	**	**	**	**	0.0
Yavapai	4.4	5.7	6.9	5.9	6.1	5.7	7.2	7.7	4.6	6.7	6.8
Yuma	5.8	5.9	7.6	4.7	3.0	5.0	6.8	7.7	6.6	5.6	6.1

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, 2023

	Total			Race/ethnicity											
	Total ^a	Male	Female	White non-Hispanic			Hispanic or Latino			Black or African American			American Indian Alaska Native		
				T	M	F	T	M	F	T	M	F	T	M	F
ARIZONA	430	223	207	150†	80†	70†	200†	100†	90†	40†	20†	20†	30†	10†	20†
Apache	3	*	*	0	0	0	0	0	0	0	0	0	0†	*	*
Cochise	5	*	*	10†	*	*	0	0	0	0	0	0	0	0	0
Coconino	10	*	*	10†	*	*	0†	*	*	0	0	0	0†	*	0
Gila	4	*	*	0†	0	*	0†	*	*	0	0	0	0†	*	0
Graham	3	*	*	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
La Paz	1	0	*	0	0	0	0†	0	*	0	0	0	0	0	0
Maricopa	280	141	139	82	45	37	136	70	66	38	17	21	10†	*	8
Mohave	9	*	*	10†	*	*	0†	0	*	0	0	0	0†	0	*
Navajo	11	7	*	10†	*	*	0	0	0	0	0	0	10†	*	*
Pima	37	19	18	15	9	6	16	7	9	0†	*	*	0†	*	*
Pinal	37	18	19	14	8	6	18	8	10	0†	*	*	0†	*	*
Santa Cruz	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yavapai	12	6	6	10†	*	*	0†	*	0	0	0	0	0†	0	*
Yuma	17	12	*	0†	0	*	10†	11	*	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, 2023**

	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†	*	*	6	*	*	0	*	140	*	*	16	15	0	*	12	0
Short gestation and low birth weight	70†	*	0	*	*	*	0	0	46	0	0	*	*	0	*	*	0
Maternal complications	20†	*	*	0	*	0	0	0	12	*	0	*	0	0	0	*	0
Other respiratory condition	10†	0	0	*	0	*	0	0	*	0	0	*	*	0	0	0	0
Complications of placenta, cord and membrane	10†	0	0	0	0	0	0	0	7	*	0	*	*	0	0	*	0
Intrauterine hypoxia or birth asphyxia	10†	0	0	0	0	0	0	0	9	0	0	0	*	0	0	0	0
Respiratory distress syndrome	10†	0	0	*	0	0	0	0	7	0	0	0	0	0	0	0	0
Bacterial sepsis of newborn	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Atelectasis	0†	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0
Congenital malformations	100†	0	*	*	*	0	0	0	65	*	*	9	10	0	*	0	0
of heart	20†	0	*	0	0	0	0	0	11	*	0	*	*	0	0	0	0
of brain, spinal cord or nervous system	10†	0	0	0	0	0	0	0	12	0	0	*	0	0	0	0	0
of respiratory system	6	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Other ill-defined and unspecified causes of mortality	30†	0	*	0	0	0	0	0	21	0	*	*	*	0	*	*	0
Accidents (unintentional injury)	20†	0	0	0	0	0	0	0	14	*	*	0	*	0	0	0	0
Mechanical suffocation	10†	0	0	0	0	0	0	0	9	*	0	0	*	0	0	0	0
Motor vehicle accidents	0†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
Diseases of the circulatory system	10†	0	*	0	0	0	0	0	9	0	0	*	0	0	0	0	0
Sudden infant death syndrome	10†	0	0	0	0	0	0	0	*	*	*	0	*	0	0	*	0
Certain infectious and parasitic diseases	10†	0	0	0	0	0	0	0	7	0	0	*	*	0	0	0	0
Diseases of the digestive system	10†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	*	0
Events of undetermined intent	6	0	0	0	0	0	0	0	6	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	0	0
COVID-19	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
Assault (homicide)	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, all causes ^a	430	*	*	10	*	*	0	*	280	9	11	37	37	0	12	17	*

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, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA^a	158	181	179	153	174	136	164	139	134	165	134
Apache	6	*	*	9	*	*	*	*	*	*	0
Cochise	*	*	*	*	*	*	*	*	*	*	*
Coconino	*	*	*	*	*	*	*	*	*	*	0
Gila	*	*	*	0	*	*	*	*	*	*	0
Graham	*	*	0	0	*	0	*	*	0	0	*
Greenlee	*	*	0	0	*	*	0	0	0	0	0
La Paz	0	0	*	*	*	0	0	0	0	*	0
Maricopa	96	118	112	84	112	75	92	88	80	104	85
Mohave	*	*	9	*	*	*	*	*	*	*	6
Navajo	*	*	7	*	8	7	*	*	*	*	*
Pima	25	23	17	23	13	24	31	16	15	21	12
Pinal	8	10	11	14	9	9	9	6	13	9	14
Santa Cruz	0	0	0	*	*	0	*	0	*	*	0
Yavapai	*	*	*	*	7	*	*	*	*	7	*
Yuma	*	*	*	*	*	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 , 2013-2023

County	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	1.9	2.1	2.1	1.8	2.1	1.7	2.1	1.8	1.7	2.1	1.7
Apache	6.3	**	**	8.8	**	**	**	**	**	**	0.0
Cochise	**	**	**	**	**	**	**	**	**	**	**
Coconino	**	**	**	**	**	**	**	**	**	**	0.0
Gila	**	**	**	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	0.0	0.0
La Paz	0.0	0.0	**	**	**	0.0	0.0	0.0	0.0	**	0.0
Maricopa	1.8	2.1	2.1	1.6	2.1	1.5	1.8	1.8	1.6	2.1	1.7
Mohave	**	**	4.9	**	**	**	**	**	**	**	3.6
Navajo	**	**	4.6	**	5.3	5.1	**	**	**	**	**
Pima	2.1	1.9	1.5	2.0	1.2	2.3	3.0	1.6	1.5	2.1	1.2
Pinal	1.8	2.2	2.5	3.1	2.1	2.0	2.0	1.3	2.7	1.8	2.6
Santa Cruz	0.0	0.0	0.0	**	**	0.0	**	0.0	**	**	0.0
Yavapai	**	**	**	**	3.9	**	**	**	**	3.9	**
Yuma	**	**	**	**	**	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, 2013-2023**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA^a	289	354	294	301	287	311	265	265	296	318	296
Apache	*	12	6	6	*	*	*	*	*	*	*
Cochise	11	6	10	*	*	*	7	6	*	7	*
Coconino	7	*	*	8	*	6	*	*	*	6	10
Gila	*	*	*	*	*	*	0	*	*	*	*
Graham	*	*	*	*	*	*	*	*	*	*	*
Greenlee	0	*	0	0	*	*	0	0	0	*	0
La Paz	*	*	0	0	*	*	*	*	*	*	*
Maricopa	189	224	179	207	188	199	158	151	195	199	195
Mohave	*	10	7	*	8	*	*	6	7	6	*
Navajo	*	7	6	*	7	12	7	*	*	7	6
Pima	33	42	31	30	30	37	30	40	39	37	25
Pinal	10	19	15	9	19	22	20	17	13	22	23
Santa Cruz	*	*	*	*	*	*	*	*	*	0	0
Yavapai	*	9	9	7	*	6	9	10	*	*	10
Yuma	14	14	18	11	*	9	16	17	15	14	13

Notes: * Cell suppressed due to non-zero count less than 6; a Includes unknown county of residence.

TABLE 5E-23
NEONATAL MORTALITY RATE^a BY COUNTY OF RESIDENCE, ARIZONA, 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	3.4	4.1	3.5	3.6	3.5	3.9	3.4	3.5	3.8	4.1	3.8
Apache	**	11.8	6.3	5.9	**	**	**	**	**	**	**
Cochise	6.8	3.7	6.4	**	**	**	5.2	4.7	**	5.7	**
Coconino	4.3	**	**	5.0	**	4.0	**	**	**	4.6	7.8
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	**	**	**	**	**	**	**
Maricopa	3.5	4.1	3.3	3.8	3.6	3.8	3.1	3.1	3.9	3.9	3.9
Mohave	**	5.5	3.8	**	4.6	**	**	3.5	3.9	3.5	**
Navajo	**	4.4	4.0	**	4.6	8.7	5.2	**	**	5.7	4.9
Pima	2.8	3.5	2.7	2.6	2.7	3.5	2.9	4.0	3.9	3.7	2.5
Pinal	2.2	4.2	3.4	2.0	4.3	4.9	4.4	3.7	2.7	4.3	4.3
Santa Cruz	**	**	**	**	**	**	**	**	**	0.0	0.0
Yavapai	**	4.6	4.8	3.7	**	3.4	5.0	5.9	**	**	5.7
Yuma	4.5	4.6	6.0	3.7	**	3.0	5.4	5.7	5.2	4.9	4.6

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, 2023**

	ARIZONA	County of residence														
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Accidents (unintentional injury)	90†	*	0	*	0	*	0	*	53	7	*	12	7	0	*	*
Motor vehicle accidents	30†	0	0	*	0	*	0	*	17	*	*	*	*	0	*	*
Accidental drowning and submersion	20†	0	0	0	0	*	0	0	14	0	0	*	*	0	0	*
Malignant neoplasms	30†	0	0	*	0	0	0	0	18	0	0	*	*	0	0	*
Leukemia	10†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	*
Congenital malformations	10†	0	0	0	0	0	0	0	8	0	*	*	*	*	0	*
Assault (homicide)	10†	*	*	0	0	0	0	0	8	0	*	*	*	0	0	0
By discharge of firearms	10†	*	*	0	0	0	0	0	*	0	0	*	*	0	0	0
By other means	0†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0
Intentional self-harm (suicide)	10†	0	0	0	0	0	0	0	7	0	0	*	*	0	0	*
Septicemia	10†	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
Chronic lower respiratory disease	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
COVID-19	0†	*	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Total, all causes ^a	270†	*	*	*	0	*	0	*	163	8	6	35	24	*	*	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 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, 2023**

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
Accidents (unintentional injury)	6.9	**	0.0	**	0.0	**	0.0	**	6.3	24.7	**	7.0	8.7	0.0	**	**
Motor vehicle accidents	2.6	0.0	0.0	**	0.0	**	0.0	**	2.0	**	**	**	**	0.0	**	**
Accidental drowning and submersion	1.6	0.0	0.0	0.0	0.0	**	0.0	0.0	1.7	0.0	0.0	**	**	0.0	0.0	**
Malignant neoplasms	2.0	0.0	0.0	**	0.0	0.0	0.0	0.0	2.2	0.0	0.0	**	**	0.0	0.0	**
Leukemia	0.5	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 malformations	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	**	**	**	**	0.0	**
Assault (homicide)	1.0	**	**	0.0	0.0	0.0	0.0	0.0	1.0	0.0	**	**	**	0.0	0.0	0.0
By discharge of firearms	0.7	**	**	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	**	**	0.0	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
Intentional self-harm (suicide)	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	**	**	0.0	0.0	**
Septicemia	0.5	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
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
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
COVID-19	**	**	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	20.4	**	**	**	0.0	**	0.0	**	19.5	28.2	27.3	20.6	29.9	**	**	24.2

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, 2023**

	ARIZONA	County of residence															
		Apache	Cochise	Cocoino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Accidents (unintentional injury)	130†	*	*	*	*	*	0	0	74	6	*	23	9	0	*	*	0
Motor vehicle accidents	80†	*	*	*	*	*	0	0	45	*	*	10	6	0	*	*	0
Accidental poisoning	40†	*	0	*	0	*	0	0	20	*	*	11	*	0	*	0	0
Accidental drowning and submersion	10†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Assault (homicide)	70†	0	*	*	*	0	0	0	45	*	0	11	*	0	0	*	0
By discharge of firearms	70†	0	*	*	*	0	0	0	44	*	0	11	*	0	0	*	0
By other means	0†	0	0	0	0	0	0	0	*	*	0	0	*	0	0	0	0
Intentional self-harm (suicide)	60†	*	0	*	0	0	0	0	34	*	6	6	*	0	*	*	0
By discharge of firearms	30†	0	0	*	0	0	0	0	18	*	0	*	*	0	*	*	0
By other means	30†	*	0	*	0	0	0	0	16	0	6	*	*	0	*	0	0
Malignant neoplasms	10†	0	*	0	0	0	0	0	8	*	0	*	*	0	*	*	0
Leukemia	0†	0	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	6	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
COVID-19	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Total, all causes	340†	7	*	10	*	*	0	0	202	13	11	44	23	0	8	9	*

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.

**TABLE 5E-27
RATES^a FOR THE LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY COUNTY OF RESIDENCE,
ARIZONA, 2023**

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)	27.0	**	**	**	**	**	0.0	0.0	23.9	59.4	**	32.9	32.4	0.0	**	**
Motor vehicle accidents	16.4	**	**	**	**	**	0.0	0.0	14.6	**	**	14.3	21.6	0.0	**	**
Accidental poisoning	8.0	**	0.0	**	0.0	**	0.0	0.0	6.5	**	**	15.7	**	0.0	**	0.0
Accidental drowning and submersion	1.2	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
Assault (homicide)	14.3	0.0	**	**	**	0.0	0.0	0.0	14.6	**	0.0	15.7	**	0.0	0.0	**
By discharge of firearms	13.7	0.0	**	**	**	0.0	0.0	0.0	14.2	**	0.0	15.7	**	0.0	0.0	**
By other means	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
Intentional self-harm (suicide)	12.7	**	0.0	**	0.0	0.0	0.0	0.0	11.0	**	79.8	8.6	**	0.0	**	**
By discharge of firearms	6.3	0.0	0.0	**	0.0	0.0	0.0	0.0	5.8	**	0.0	**	**	0.0	**	**
By other means	6.3	**	0.0	**	0.0	0.0	0.0	0.0	5.2	0.0	79.8	**	**	0.0	**	0.0
Malignant neoplasms	2.9	0.0	**	0.0	0.0	0.0	0.0	0.0	2.6	**	0.0	**	**	0.0	**	**
Leukemia	0.4	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	1.8	0.0	**	0.0	0.0	0.0	0.0	0.0	1.9	0.0	**	0.0	**	0.0	0.0	0.0
Diseases of heart	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	0.0	0.0
COVID-19	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
Total, all causes	68.7	139.5	**	68.7	**	**	0.0	0.0	65.4	128.7	146.3	62.9	82.8	0.0	68.2	60.5

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, 2023**

	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)	2,074	78	24	40	18	11	*	*	1,242	49	83	290	119	*	49	34	28
Accidental poisoning	1,328	33	15	22	14	*	*	*	823	27	47	193	67	0	36	22	21
Motor vehicle accidents	542	36	8	12	*	*	*	*	293	13	24	72	42	*	13	10	*
Intentional self-harm (suicide)	621	19	15	22	8	9	*	*	348	24	26	81	22	*	24	17	*
By discharge of firearms	345	*	9	*	*	*	*	0	199	13	11	50	16	*	17	11	*
By other means	276	14	6	19	*	6	0	0	149	11	15	31	6	0	7	6	*
Malignant neoplasms	315	6	6	*	*	0	0	*	199	*	7	43	19	*	10	9	0
Malignant neoplasm of breast	40	0	0	0	*	0	0	0	24	*	*	8	*	0	*	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	31	*	0	0	0	0	0	0	23	0	*	*	*	0	0	*	0
Malignant neoplasm of meninges, brain and other parts of central nervous system	26	0	0	0	*	0	0	0	16	0	*	*	*	0	0	0	0
Assault (homicide)	299	7	*	9	7	*	0	*	189	*	6	43	14	*	*	10	*
By discharge of firearms	241	*	*	7	*	*	0	*	159	*	*	36	9	*	*	7	*
By other means	58	*	*	*	*	0	0	0	30	*	*	7	*	0	0	*	0
Diseases of heart	251	10	*	6	*	*	0	*	143	6	8	37	17	*	8	*	0
Chronic liver disease and cirrhosis	249	16	*	18	*	0	0	*	124	8	25	22	15	0	6	*	*
Diabetes	102	*	*	*	*	*	0	0	65	*	*	8	6	0	*	*	*
Influenza and pneumonia	59	*	*	*	0	0	0	0	26	*	*	12	*	0	*	*	*
Cerebrovascular disease	48	0	*	*	*	0	0	0	29	*	*	6	*	0	0	*	0
Obesity	46	0	*	*	*	0	0	0	22	*	*	7	7	0	*	*	*
COVID-19	17	0	0	0	0	*	0	0	13	0	0	*	*	0	0	0	*
Human immunodeficiency virus (HIV) disease	16	*	0	0	0	0	0	0	9	0	0	*	*	0	*	*	*
Total, all causes	4,995	184	81	137	62	30	8	16	2,896	131	194	681	277	14	135	105	44

Note: * Cell suppressed due to non-zero count less than 6.

**TABLE 5E-30
LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2023**

	ARIZONA	County of residence														Unknown		
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai		Yuma	
Malignant neoplasms Malignant neoplasm of trachea, bronchus and lung Malignant neoplasm of colon, rectum, and anus Malignant neoplasm of breast Malignant neoplasm of pancreas Diseases of heart Accidents (unintentional injury) Accidental poisoning Motor vehicle accidents Falls Chronic liver disease and cirrhosis Diabetes Intentional self-harm (suicide) By discharge of firearms By other means Cerebrovascular disease Chronic lower respiratory disease Influenza and pneumonia Essential (primary) hypertension and hypertensive renal disease Nephritis, nephrotic syndrome and nephrosis Septicemia Assault (homicide) By discharge of firearms By other means COVID-19 Human immunodeficiency virus (HIV) disease Viral hepatitis Total, all causes	2,467	25	57	40	16	13	*	15	1,434	138	27	370	144	11	109	57	7	
	387	*	6	*	*	6	*	*	204	45	*	59	24	0	19	7	0	
	317	*	6	*	*	*	*	0	*	209	9	*	38	15	*	14	10	0
	235	*	*	*	*	*	0	*	146	*	*	34	8	*	17	6	*	
	199	0	*	*	*	0	0	*	120	6	*	36	15	*	6	*	0	
	1,957	23	40	32	40	10	*	15	1,093	151	49	262	134	11	50	35	8	
	1,652	35	29	41	18	12	*	9	916	68	42	290	66	7	46	34	38	
	916	10	17	16	9	*	*	*	517	27	23	189	26	*	22	19	27	
	359	13	0	19	*	*	0	*	190	21	11	53	22	0	11	*	6	
	119	*	*	*	*	*	0	0	73	*	*	15	*	*	6	*	0	
	628	25	13	23	15	*	*	*	*	293	25	24	101	43	*	32	21	*
	606	10	15	6	6	*	*	0	*	339	28	13	96	39	*	23	20	*
	407	*	13	9	*	*	*	0	*	223	28	9	53	28	*	19	10	0
	268	*	6	7	*	*	*	0	*	144	21	7	31	20	0	15	6	0
	139	*	7	*	*	0	0	0	*	79	7	*	22	8	*	*	*	0
	356	*	7	*	*	*	*	*	*	212	16	14	44	21	*	11	10	*
	342	9	*	*	*	9	*	*	*	163	27	9	53	28	0	25	*	*
	166	*	*	6	8	*	*	0	0	94	*	6	21	10	*	*	*	0
	157	*	*	*	*	*	*	0	*	90	6	*	20	17	0	6	*	*
	153	*	*	*	*	*	*	0	0	62	7	8	40	10	*	7	*	0
119	*	*	*	*	0	0	*	0	72	*	*	21	*	*	*	6	0	
112	0	0	0	0	*	0	0	0	75	7	*	13	*	*	*	*	*	
75	0	0	0	0	*	0	0	0	54	*	*	9	*	0	*	*	*	
37	0	0	0	0	0	0	0	0	21	*	*	*	*	*	*	*	0	
99	*	*	*	*	0	*	*	0	52	*	6	16	6	*	*	*	0	
44	*	0	0	0	0	0	0	0	33	*	0	*	*	*	0	0	*	
28	*	*	*	0	0	0	0	0	13	*	0	*	*	0	*	*	*	
	11,496	190	248	216	148	70	17	72	6,328	652	275	1,765	684	54	422	262	93	

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, 2023**

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
Malignant neoplasms	138.6	156.7	193.9	126.2	117.1	157.7	**	435.9	128.3	232.5	103.7	150.2	134.9	95.0	164.5	137.7
Malignant neoplasm of trachea, bronchus and lung	21.7	**	20.4	**	**	72.8	**	**	18.3	75.8	**	24.0	22.5	0.0	28.7	16.9
Malignant neoplasm of colon, rectum, and anus	17.8	**	20.4	**	**	**	0.0	**	18.7	15.2	**	15.4	14.1	**	21.1	24.2
Malignant neoplasm of breast	13.2	**	**	**	**	**	0.0	**	13.1	**	**	13.8	7.5	**	25.7	14.5
Malignant neoplasm of pancreas	11.2	0.0	**	**	**	0.0	0.0	**	10.7	10.1	**	14.6	14.1	**	9.1	**
Diseases of heart	110.0	144.2	136.1	101.0	292.7	121.3	**	435.9	97.8	254.4	188.1	106.4	125.5	95.0	75.4	84.6
Accidents (unintentional injury)	92.8	219.4	98.6	129.4	131.7	145.6	**	261.6	82.0	114.6	161.3	117.7	61.8	60.5	69.4	82.1
Accidental poisoning	51.5	62.7	57.8	50.5	65.9	**	**	**	46.3	45.5	88.3	76.7	24.4	**	33.2	45.9
Motor vehicle accidents	20.2	81.5	0.0	59.9	**	**	0.0	**	17.0	35.4	42.2	21.5	20.6	0.0	16.6	**
Falls	6.7	**	**	**	**	**	0.0	0.0	6.5	**	**	6.1	**	**	9.1	**
Chronic liver disease and cirrhosis	35.3	156.7	44.2	72.6	109.8	**	**	**	26.2	42.1	92.1	41.0	40.3	**	48.3	50.7
Diabetes	34.0	62.7	51.0	18.9	43.9	**	0.0	**	30.3	47.2	49.9	39.0	36.5	**	34.7	48.3
Intentional self-harm (suicide)	22.9	**	44.2	28.4	**	**	0.0	**	20.0	47.2	34.6	21.5	26.2	**	28.7	24.2
By discharge of firearms	15.1	**	20.4	22.1	**	**	0.0	**	12.9	35.4	26.9	12.6	18.7	0.0	22.6	14.5
By other means	7.8	**	23.8	**	**	0.0	0.0	**	7.1	11.8	**	8.9	7.5	**	**	**
Cerebrovascular disease	20.0	**	23.8	**	**	**	**	**	19.0	27.0	53.8	17.9	19.7	**	16.6	24.2
Chronic lower respiratory disease	19.2	56.4	**	**	65.9	**	**	**	14.6	45.5	34.6	21.5	26.2	0.0	37.7	**
Influenza and pneumonia	9.3	**	**	18.9	58.5	**	0.0	0.0	8.4	**	23.0	8.5	9.4	**	**	**
Essential (primary) hypertension and hypertensive renal disease	8.8	**	**	**	**	**	0.0	**	8.1	10.1	**	8.1	15.9	0.0	9.1	**
Nephritis, nephrotic syndrome and nephrosis	8.6	**	**	**	**	**	0.0	0.0	5.5	11.8	30.7	16.2	9.4	**	10.6	**
Septicemia	6.7	**	**	**	0.0	0.0	**	0.0	6.4	**	**	8.5	**	**	**	14.5
Assault (homicide)	6.3	0.0	0.0	0.0	**	0.0	0.0	0.0	6.7	11.8	**	5.3	**	**	**	**
By discharge of firearms	4.2	0.0	0.0	0.0	**	0.0	0.0	0.0	4.8	**	**	3.7	**	0.0	**	**
By other means	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	**	**	**	**	**	**	**
COVID-19	5.6	**	**	**	0.0	**	**	0.0	4.7	**	23.0	6.5	5.6	**	**	**
Human immunodeficiency virus (HIV) disease	2.5	**	0.0	0.0	0.0	0.0	0.0	0.0	3.0	**	0.0	**	**	**	0.0	0.0
Viral hepatitis	1.6	**	**	0.0	0.0	0.0	0.0	0.0	1.2	**	0.0	**	**	0.0	**	**
Total, all causes	645.9	1191.1	843.6	681.5	1083.0	849.1	811.5	2092.4	566.2	1098.6	1055.8	716.6	640.8	466.6	636.8	633.0

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, 2023**

	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	12,280	97	283	111	169	49	16	66	6,788	737	190	1,871	773	63	672	374	21
Malignant neoplasms	10,097	92	253	135	136	45	8	56	5,266	613	166	1,712	625	55	652	268	15
Malignant neoplasm of trachea, bronchus and lung	2,015	16	48	16	29	8	*	14	1,063	147	24	324	130	10	125	58	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	969	*	13	11	11	*	0	*	524	40	17	174	69	*	64	28	*
Malignant neoplasm of colon, rectum, and anus	896	9	31	13	8	*	0	6	487	58	18	128	46	*	66	17	0
Malignant neoplasm of pancreas	845	10	17	10	11	*	*	*	439	37	13	171	55	*	49	20	*
Malignant neoplasm of prostate	738	8	26	14	13	*	*	7	330	60	15	139	41	*	53	22	*
Malignant neoplasm of breast	639	7	15	7	*	6	0	*	334	35	16	109	37	*	43	18	*
Chronic lower respiratory disease	3,107	23	95	36	50	8	*	29	1,558	284	59	455	191	16	228	72	*
Cerebrovascular disease	2,829	23	63	24	29	10	*	9	1,517	129	52	539	166	24	153	86	*
Alzheimer's disease	2,614	12	39	32	13	17	*	7	1,524	103	41	412	143	18	166	83	*
Accidents (unintentional injury)	2,033	27	47	34	18	10	*	13	1,106	101	28	380	99	18	93	48	6
Falls	1,130	8	24	12	7	*	*	*	669	30	13	215	54	14	61	12	*
Motor vehicle accidents	281	8	10	9	*	*	*	*	124	22	*	47	22	0	13	13	0
Diabetes	1,618	27	35	31	27	6	*	9	876	74	32	236	108	11	80	56	6
Parkinson's disease	932	*	16	17	6	*	*	*	541	31	15	169	54	*	45	21	*
Essential (primary) hypertension and hypertensive renal disease	884	6	12	13	14	*	0	*	536	33	10	131	64	*	36	20	0
COVID-19	832	12	17	14	6	*	*	6	454	46	14	139	47	*	46	22	*
Influenza and pneumonia	698	19	19	13	*	*	*	*	349	35	20	115	47	*	35	29	*
Nephritis, nephrotic syndrome and nephrosis	628	8	23	10	6	7	*	*	292	58	14	110	48	8	23	17	*
Septicemia	399	12	9	*	*	*	0	*	182	29	*	83	15	*	18	29	*
Total, all causes	51,483	516	1,202	655	651	237	55	277	27,355	2,964	855	8,786	3,065	281	3,027	1,446	111

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, 2023**

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
Diseases of heart	882.3	880.2	935.6	531.4	1042.6	865.7	1198.5	937.0	913.0	1027.0	885.6	830.3	765.9	658.7	801.3	870.4
Malignant neoplasms	725.5	834.8	836.4	646.3	839.0	795.1	599.3	795.0	708.3	854.2	773.7	759.8	619.3	575.1	777.5	623.7
Malignant neoplasm of trachea, bronchus and lung	144.8	145.2	158.7	76.6	178.9	141.3	**	198.8	143.0	204.8	111.9	143.8	128.8	104.6	149.1	135.0
Malignant neoplasm of prostate ^b	115.3	160.3	180.1	141.1	164.3	**	**	190.1	98.5	169.0	147.5	135.9	85.0	**	133.5	106.7
Malignant neoplasm of lymphoid, hematopoietic and related tissue	69.6	**	43.0	52.7	67.9	**	0.0	**	70.5	55.7	79.2	77.2	68.4	**	76.3	65.2
Malignant neoplasm of colon, rectum, and anus	64.4	81.7	102.5	62.2	49.4	**	0.0	85.2	65.5	80.8	83.9	56.8	45.6	**	78.7	39.6
Malignant neoplasm of pancreas	60.7	90.7	56.2	47.9	67.9	**	**	**	59.0	51.6	60.6	75.9	54.5	**	58.4	46.5
Malignant neoplasm of breast	45.9	63.5	49.6	33.5	**	106.0	0.0	**	44.9	48.8	74.6	48.4	36.7	**	51.3	41.9
Chronic lower respiratory disease	223.2	208.7	314.1	172.4	308.5	141.3	**	411.7	209.5	395.7	275.0	201.9	189.2	167.3	271.9	167.6
Cerebrovascular disease	203.3	208.7	208.3	114.9	178.9	176.7	**	127.8	204.0	179.8	242.4	239.2	164.5	250.9	182.4	200.1
Alzheimer's disease	187.8	108.9	128.9	153.2	80.2	300.4	**	99.4	205.0	143.5	191.1	182.8	141.7	188.2	197.9	193.2
Accidents (unintentional injury)	146.1	245.0	155.4	162.8	111.0	176.7	**	184.6	148.8	140.7	130.5	168.6	98.1	188.2	110.9	111.7
Falls	81.2	72.6	79.3	57.5	43.2	**	**	**	90.0	41.8	60.6	95.4	53.5	146.4	72.7	27.9
Motor vehicle accidents	20.2	72.6	33.1	43.1	**	**	**	**	16.7	30.7	**	20.9	21.8	0.0	15.5	30.3
Diabetes	116.3	245.0	115.7	148.4	166.6	106.0	**	127.8	117.8	103.1	149.1	104.7	107.0	115.0	95.4	130.3
Parkinson's disease	67.0	**	52.9	81.4	37.0	**	**	**	72.8	43.2	69.9	75.0	53.5	**	53.7	48.9
Essential (primary) hypertension and hypertensive renal disease	63.5	54.4	39.7	62.2	86.4	**	0.0	**	72.1	46.0	46.6	58.1	63.4	**	42.9	46.5
COVID-19	59.8	108.9	56.2	67.0	37.0	**	**	85.2	61.1	64.1	65.3	61.7	46.6	**	54.9	51.2
Influenza and pneumonia	50.2	172.4	62.8	62.2	**	**	**	**	46.9	48.8	93.2	51.0	46.6	**	41.7	67.5
Nephritis, nephrotic syndrome and nephrosis	45.1	72.6	76.0	47.9	37.0	123.7	**	**	39.3	80.8	65.3	48.8	47.6	83.6	27.4	39.6
Septicemia	28.7	108.9	29.8	**	**	**	0.0	**	24.5	40.4	**	36.8	14.9	**	21.5	67.5
Total, all causes	3699.1	4682.4	3973.7	3135.9	4016.3	4187.3	4119.9	3932.4	3679.2	4130.1	3985.1	3899.2	3036.8	2938.1	3609.5	3365.1

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, 2023**

Disease	Arizona	Apache	Cochise	Coconino	Gila	Gram	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
Mumps	10†	0	*	0	0	0	0	0	*	0	0	0	*	0	0	0
Pertussis	340†	*	*	0	0	0	0	0	260	*	*	24	42	*	*	0
Pertussis confirmed cases	180†	*	0	0	0	0	0	0	173	0	0	*	0	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	0
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Varicella (chickenpox)	210†	0	*	*	*	0	0	0	79	*	0	97	21	0	6	*
Central Nervous System																
Meningococcal Disease	10†	0	0	0	0	0	0	0	*	0	0	*	*	0	0	0
Viral Encephalitis	20†	0	0	0	0	0	0	0	19	0	*	0	0	0	0	*
Enteritides																
Amebiasis	10†	0	*	0	0	0	0	0	*	0	0	*	0	0	*	*
Campylobacteriosis	1,360†	27	95	38	16	10	*	*	681	38	59	178	91	*	73	47
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cryptosporidiosis	130†	*	*	*	0	0	0	0	89	*	*	8	10	*	*	9
<i>E. coli</i> O157:H7	330†	*	6	6	*	*	0	*	169	7	12	74	18	8	*	17
Giardiasis	160†	*	*	*	*	0	0	*	104	6	*	20	7	0	8	*
Salmonellosis (except <i>S. Typhi</i> and <i>S. Paratyphi</i>)	1,240†	20	30	24	6	26	*	*	568	29	44	280	109	24	43	33
<i>Salmonella</i> Paratyphi A	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
<i>Salmonella</i> Paratyphi C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	520†	*	*	*	6	*	0	0	342	*	*	110	17	*	8	11
Typhoid Fever	7	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
Mycosis																
Coccidioidomycosis (Valley Fever)	10,990	46	62	81	57	21	7	24	7,993	131	72	1,282	995	24	137	58
Hepatitides																
Hepatitis A	60†	*	0	*	*	0	0	0	44	*	*	7	*	0	*	*
Hepatitis B (acute)	40†	0	*	0	*	0	0	0	*	*	*	13	7	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	180†	0	0	*	0	*	0	0	98	*	0	20	34	0	0	23
Total TB	200†	0	0	*	0	*	0	0	112	*	0	24	35	*	0	25

TABLE 5F-1 (continued)
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2023

Disease	Arizona	Apache	Cochise	Coconino	Gila	Gram	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Sexually Transmitted (Arizona total within disease category includes unknown county frequency counts)																
Gonorrhea	14,180†	161	79	200	61	30	*	13	10,648	118	285	1,830	530	28	62	133
Gonococcal PID	10†	*	0	0	*	0	0	0	0	7	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)	1,790†	80	6	33	16	16	0	*	1,204	35	39	279	41	*	8	29
Syphilis-Total	7,960†	260	100	168	70	83	*	24	5,064	114	232	1,059	455	26	48	257
Chlamydia	41,073	521	353	868	189	144	31	54	28,069	421	815	5,904	1,992	227	415	1,070
Zoonoses/Vectorborne																
Brucellosis	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	30†	0	0	0	0	0	0	0	26	0	0	*	*	0	*	0
Ehrlichiosis	10†	0	0	0	0	0	0	0	6	0	0	*	*	0	0	0
Hantavirus Pulmonary Syndrome	10†	*	*	*	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	20†	0	*	*	*	0	0	0	0	*	0	6	*	0	*	*
Malaria	50†	0	*	0	0	0	0	0	24	*	0	16	*	0	0	6
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	50†	*	0	0	0	0	0	0	*	0	46	0	0	0	0	0
St. Louis Encephalitis	0	0	0	0	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
West Nile Virus	80†	*	0	0	0	*	0	0	72	*	*	*	0	0	*	*
Other																
Botulism	0†	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0
Legionellosis	120†	*	*	*	*	0	0	*	80	*	*	8	8	0	*	*
Listeriosis	10†	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Methicillin Resistant <i>S. aureus</i> (invasive)	1,540†	23	20	15	18	*	*	*	886	17	51	288	116	*	54	34
Streptococcal Group A (invasive)	1,340†	26	11	31	13	*	*	*	803	9	30	287	72	*	29	20
Streptococcal Group B (invasive disease in infants <90 days old)	30†	*	0	*	0	*	0	0	21	*	0	*	*	0	0	0
<i>Streptococcus pneumoniae</i> (invasive)	1,130†	27	9	31	12	*	*	*	674	7	40	230	40	*	34	20
Toxic Shock Syndrome	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
<i>Vibrio</i> spp. (except toxigenic <i>V. cholerae</i>)	60†	0	*	*	*	0	0	0	32	*	*	12	7	*	0	*
Yersiniosis (except <i>Y. pestis</i>)	110†	*	*	*	*	0	0	0	56	*	*	17	7	*	8	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; 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* 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>.

Source: Arizona Department of Health Services, Bureau of Infectious Disease Services.

**TABLE 5F-2
RATES OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2023**

Disease	Arizona	Apache	Cochise	Coconino	Gila	Gram	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	0.1	0.0	**	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	**	0.0	0.0	0.0
Pertussis	4.6	**	**	0.0	0.0	0.0	0.0	0.0	5.6	**	**	2.2	9.0	**	**	0.0
Pertussis (confirmed only)	2.3	**	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	**	0.0	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)	0.0	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
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	0.0
Varicella (chickenpox)	2.8	0.0	**	**	**	0.0	0.0	0.0	1.7	**	0.0	9.0	4.5	0.0	2.4	**
Central Nervous System																
Meningococcal Disease	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
Viral Encephalitis - Total	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	**	0.0	0.0	0.0	0.0	**
Enteritides																
Amebiasis	0.2	0.0	**	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	**	0.0	0.0	**	**
Campylobacteriosis	18.1	40.3	74.6	25.2	29.7	25.2	**	**	14.6	16.9	53.7	16.5	19.5	**	29.3	21.9
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	1.7	**	**	**	0.0	0.0	0.0	0.0	1.9	**	**	0.7	2.1	**	**	4.2
<i>E. coli</i> O157:H7	4.4	**	4.7	4.0	**	**	0.0	**	3.6	3.1	10.9	6.8	3.9	16.0	**	7.9
Giardiasis	2.1	**	**	**	**	0.0	0.0	**	2.2	2.7	**	1.9	1.5	0.0	3.2	**
Salmonellosis (except <i>S. Typhi</i> and <i>S. Paratyphi</i>)	16.5	29.9	23.6	15.9	11.2	65.6	**	**	12.2	12.9	40.1	25.9	23.3	48.0	17.3	15.4
<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
<i>Salmonella</i> Paratyphi B	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
<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	6.9	**	**	**	11.2	**	0.0	0.0	7.3	**	**	10.2	3.6	**	3.2	5.1
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)	146.0	68.7	48.7	53.7	105.9	53.0	72.4	142.1	171.3	58.4	65.6	118.7	212.9	48.0	55.0	27.1
Hepatitides																
Hepatitis A	0.8	**	0.0	**	**	0.0	0.0	0.0	0.9	**	**	0.6	**	0.0	**	**
Hepatitis B (acute)	0.5	0.0	**	0.0	**	0.0	0.0	0.0	**	**	**	1.2	1.5	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	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	2.4	0.0	0.0	**	0.0	**	0.0	0.0	2.1	**	0.0	1.9	7.3	0.0	0.0	10.7
Total TB	2.7	0.0	0.0	**	0.0	**	0.0	0.0	2.4	**	0.0	2.2	7.5	**	0.0	11.7

TABLE 5F-2 (continued)
RATES OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2023

Disease	Arizona	Apache	Cochise	Coconino	Gila	Gram	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Sexually Transmitted																
Gonorrhea	188.4	240.6	62.1	132.7	113.4	75.7	**	77.0	228.3	52.6	259.5	169.4	113.4	56.0	24.9	62.1
Gonococcal PID	0.2	**	0.0	0.0	**	0.0	0.0	0.0	0.2	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)	23.8	119.5	4.7	21.9	29.7	40.3	0.0	**	25.8	15.6	35.5	25.8	8.8	**	3.2	13.5
Syphilis-Total	105.8	388.5	78.6	111.5	130.1	209.3	**	142.1	108.6	50.8	211.2	98.0	97.3	52.0	19.3	119.9
Chlamydia	545.8	778.5	277.3	575.9	351.3	363.1	320.5	319.7	601.7	187.6	742.0	546.5	426.1	454.0	166.7	499.4
Zoonoses/Vectorborne																
Brucellosis	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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	**	**	0.0	**	0.0
Ehrlichiosis	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	**	**	0.0	0.0	0.0
Hantavirus Pulmonary Syndrome	0.1	**	**	**	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	0.2	0.0	**	**	**	0.0	0.0	0.0	0.0	**	0.0	0.6	**	0.0	**	**
Malaria	0.7	0.0	**	0.0	0.0	0.0	0.0	0.0	0.5	**	0.0	1.5	**	0.0	0.0	2.8
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	0.6	**	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	41.9	0.0	0.0	0.0	0.0	0.0
St. Louis Encephalitis	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
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
West Nile Virus	1.1	**	0.0	0.0	0.0	**	0.0	0.0	1.5	**	**	**	0.0	0.0	**	**
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	0.0
Legionellosis	1.5	**	**	**	**	0.0	0.0	**	1.7	**	**	0.7	1.7	0.0	**	**
Listeriosis	0.1	0.0	0.0	0.0	**	0.0	0.0	0.0	0.1	0.0	0.0	**	0.0	0.0	0.0	0.0
Methicillin Resistant <i>S. aureus</i> (invasive)	20.5	34.4	15.7	10.0	33.5	**	**	**	19.0	7.6	46.4	26.7	24.8	**	21.7	15.9
Streptococcal Group A (invasive)	17.8	38.9	8.6	20.6	24.2	**	**	**	17.2	4.0	27.3	26.6	15.4	**	11.7	9.3
Streptococcal Group B (invasive disease in infants <90 days old)	0.4	**	0.0	**	0.0	**	0.0	0.0	0.4	**	0.0	**	**	0.0	0.0	0.0
<i>Streptococcus pneumoniae</i> (invasive)	15.1	40.3	7.1	20.6	22.3	**	**	**	14.4	3.1	36.4	21.3	8.6	**	13.7	9.3
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
<i>Vibrio</i> spp. (except toxogenic <i>V. cholerae</i>)	0.8	0.0	**	**	**	0.0	0.0	0.0	0.7	**	**	1.1	1.5	**	0.0	**
Yersiniosis (except <i>Y. pestis</i>)	1.4	**	**	**	**	0.0	0.0	0.0	1.2	**	**	1.6	1.5	**	3.2	2.8

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 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 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. 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>.

Source: Arizona Department of Health Services, Bureau of Infectious Disease Services.

TABLE 5F-3
REPORTED NEW HIV/AIDS CASES BY YEAR OF DIAGNOSIS AND COUNTY OF RESIDENCE IN ARIZONA,
1981-2012 AND 2013-2023

County	1981-2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Apache	81	7	9	10	8	6	8	*	7	9	10	12
Cochise	218	7	*	9	7	*	7	*	*	*	15	8
Coconino	187	12	12	*	10	18	10	13	7	8	8	11
Gila	48	*	*	*	*	*	*	0	*	*	0	*
Graham	50	0	*	0	0	*	*	*	*	*	*	*
Greenlee	7	0	0	0	0	0	0	0	0	0	0	0
La Paz	33	*	*	0	0	*	*	*	*	0	*	0
Maricopa	13,255	470	555	517	533	494	541	508	475	517	590	636
Mohave	272	12	*	*	7	6	8	7	9	12	14	19
Navajo	119	13	13	6	9	12	*	7	*	*	10	6
Pima	2,955	104	94	98	86	110	111	98	87	133	122	144
Pinal	644	44	34	34	44	40	41	73	36	63	71	65
Santa Cruz	47	0	*	*	*	6	7	*	8	*	7	8
Yavapai	228	8	*	7	*	7	*	15	9	13	13	20
Yuma	269	11	8	12	18	15	15	18	15	22	21	34
Missing	17	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	18,430	690†	740†	710†	730†	720†	760†	750†	670†	790†	890†	970†

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 (2023 volume as of 12/13/2024; State annual totals may include case reports of persons with no reported county of residence.

Source: Arizona Department of Health Services, Bureau of Infectious Disease Services, Office of HIV/AIDS Services.

5G

**MARRIAGES AND
MARRIAGE DISSOLUTIONS**

TABLE 5G-1
MARRIAGES BY YEAR AND COUNTY OF OCCURRENCE^a, ARIZONA, 2013-2023

County	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	35,791	38,911	40,439	41,105	40,939	39,691	38,599	36,867	39,453	42,868	41,289
Apache	159	201	208	196	178	140	148	122	163	194	152
Cochise	736	751	798	746	630	688	527	583	650	601	662
Coconino	841	938	1,029	1,007	1,001	992	895	870	948	987	943
Gila	304	326	290	294	303	293	290	255	262	286	238
Graham	298	372	324	314	310	300	292	335	269	276	332
Greenlee	61	63	70	66	60	47	53	59	54	41	56
La Paz	112	135	111	129	113	94	107	116	119	92	90
Maricopa	22,519	24,411	25,454	26,294	26,629	25,705	25,006	24,228	25,469	27,741	27,512
Mohave	1,210	1,261	1,293	1,281	1,277	1,311	1,232	1,055	1,352	1,301	1,086
Navajo	492	504	617	414	489	355	429	375	514	451	483
Pima	5,419	5,956	6,003	6,000	5,655	5,491	5,372	4,669	4,787	5,826	5,150
Pinal	1,213	1,285	1,332	1,386	1,428	1,464	1,426	1,449	1,710	1,804	1,494
Santa Cruz	139	227	288	253	228	182	193	160	212	259	236
Yavapai	1,129	1,338	1,427	1,491	1,396	1,346	1,317	1,295	1,544	1,553	1,512
Yuma	1,159	1,143	1,195	1,234	1,242	1,283	1,312	1,296	1,400	1,456	1,343

TABLE 5G-2
MARRIAGE RATES^a BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 2013-2023

County	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	5.4	5.8	6.0	6.0	5.9	5.6	5.4	5.1	5.4	5.8	5.5
Apache	2.2	2.8	2.9	2.7	2.4	1.9	2.1	1.8	2.5	2.9	2.3
Cochise	5.6	5.8	6.2	5.8	4.9	5.3	4.0	4.6	5.1	4.7	5.2
Coconino	6.2	6.7	7.3	7.1	6.9	6.8	6.1	6.0	6.4	6.6	6.3
Gila	5.7	6.0	5.3	5.4	5.5	5.3	5.3	4.8	4.9	5.3	4.4
Graham	7.9	9.7	8.4	8.2	8.1	7.9	7.6	8.7	6.9	7.1	8.4
Greenlee	5.6	6.0	6.6	6.3	5.5	4.5	5.1	6.2	5.6	4.2	5.8
La Paz	5.3	6.4	5.2	6.1	5.2	4.3	4.8	7.0	7.1	5.5	5.3
Maricopa	5.7	6.1	6.2	6.4	6.3	6.0	5.7	5.5	5.7	6.0	5.9
Mohave	5.9	6.2	6.3	6.2	6.1	6.2	5.7	4.9	6.2	5.9	4.8
Navajo	4.5	4.6	5.6	3.7	4.4	3.1	3.8	3.5	4.8	4.2	4.4
Pima	5.4	5.9	5.9	5.9	5.5	5.3	5.1	4.5	4.5	5.4	4.8
Pinal	3.1	3.2	3.3	3.4	3.3	3.3	3.1	3.4	3.9	4.0	3.2
Santa Cruz	2.8	4.6	5.7	5.0	4.4	3.5	3.6	3.3	4.4	5.3	4.7
Yavapai	5.3	6.2	6.6	6.8	6.2	5.9	5.7	5.5	6.4	6.3	6.1
Yuma	5.5	5.4	5.6	5.7	5.6	5.7	5.7	6.3	6.8	6.9	6.3

Note: ^a Per 1,000 population.

TABLE 5G-3
MARRIAGES BY COUNTY OF OCCURRENCE^a AND MONTH, ARIZONA, 2023

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
ARIZONA	3,480†	3,330†	3,985	4,070†	3,630†	3,268	2,250†	2,500†	2,540†	4,470†	4,640†	3,126	41,290†
Apache	10	*	7	10	11	15	14	21	15	22	16	6	150†
Cochise	113	35	61	47	42	52	40	41	51	67	66	47	662
Coconino	41	52	66	70	108	103	72	92	110	121	59	49	943
Gila	12	16	15	22	26	30	20	19	14	23	28	13	238
Graham	60	10	15	*	37	38	24	20	48	23	37	16	330†
Greenlee	*	6	7	6	*	8	*	*	*	*	*	7	60†
La Paz	7	9	11	9	9	6	*	*	*	9	14	8	90†
Maricopa	2,394	2,438	2,674	2,902	2,408	2,087	1,375	1,602	1,477	2,832	3,209	2,114	27,512
Mohave	58	70	105	108	87	96	70	64	89	142	132	65	1,086
Navajo	70	0	48	35	0	48	56	38	15	97	36	40	483
Pima	391	349	513	464	448	445	277	325	378	592	564	404	5,150
Pinal	113	123	183	129	145	76	81	78	99	164	170	133	1,494
Santa Cruz	13	17	15	24	15	24	25	20	12	24	24	23	236
Yavapai	82	90	123	108	158	133	105	100	143	230	154	86	1,512
Yuma	115	111	142	127	134	107	82	72	87	123	128	115	1,343

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 Marriages recorded unless otherwise indicated.

TABLE 5G-4
DISSOLUTIONS^a OF MARRIAGE BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 2013-2023

County	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	26,037	26,199	24,434	23,442	24,430	21,187	21,224	18,778	19,680	17,103	15,164
Apache	77	73	67	62	72	81	63	55	87	63	67
Cochise	419	379	464	416	283	409	385	303	362	337	385
Coconino	382	362	365	365	362	338	361	335	329	345	188
Gila	133	165	119	157	123	127	119	131	148	117	132
Graham	156	133	162	151	157	125	125	148	118	113	112
Greenlee	45	51	48	36	32	29	33	44	29	35	28
La Paz	12	16	34	43	54	49	40	40	35	52	28
Maricopa	17,922	18,241	16,324	15,597	16,878	13,429	13,883	12,104	13,072	11,286	10,088
Mohave	409	394	579	502	428	409	415	571	651	640	662
Navajo	211	250	214	217	247	219	202	227	232	205	211
Pima	3,777	3,685	3,422	3,298	3,225	3,380	3,198	2,621	2,642	1,956	1,470
Pinal	617	909	906	856	829	923	973	836	624	553	397
Santa Cruz	97	98	147	151	121	123	149	117	161	146	165
Yavapai	786	685	750	756	794	796	798	660	562	648	583
Yuma	994	758	833	835	825	750	480	586	628	607	648

Note: ^a Divorces and annulments granted.

TABLE 5G-5
DISSOLUTIONS OF MARRIAGE RATES^a BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 2013-2023

County	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
ARIZONA	4.0	3.9	3.6	3.4	3.5	3.0	3.0	2.6	2.7	2.3	2.0
Apache	1.1	1.0	0.9	0.9	1.0	1.1	0.9	0.8	1.3	0.9	1.0
Cochise	3.2	2.9	3.6	3.2	2.2	3.1	2.9	2.4	2.9	2.7	3.0
Coconino	2.8	2.6	2.6	2.6	2.5	2.3	2.5	2.3	2.2	2.3	1.2
Gila	2.5	3.0	2.2	2.9	2.2	2.3	2.2	2.5	2.8	2.2	2.5
Graham	4.1	3.5	4.2	3.9	4.1	3.3	3.2	3.8	3.0	2.9	2.8
Greenlee	4.1	4.9	4.5	3.5	2.9	2.8	3.2	4.6	3.0	3.6	2.9
La Paz	0.6	0.8	1.6	2.0	2.5	2.2	1.8	2.4	2.1	3.1	1.7
Maricopa	4.5	4.6	4.0	3.8	4.0	3.1	3.2	2.7	2.9	2.5	2.2
Mohave	2.0	1.9	2.8	2.4	2.0	1.9	1.9	2.7	3.0	2.9	3.0
Navajo	1.9	2.3	2.0	2.0	2.2	1.9	1.8	2.1	2.2	1.9	1.9
Pima	3.8	3.7	3.4	3.3	3.1	3.3	3.1	2.5	2.5	1.8	1.4
Pinal	1.6	2.3	2.2	2.1	1.9	2.1	2.1	2.0	1.4	1.2	0.8
Santa Cruz	2.0	2.0	2.9	3.0	2.3	2.3	2.8	2.4	3.3	3.0	3.3
Yavapai	3.7	3.2	3.4	3.4	3.5	3.5	3.4	2.8	2.3	2.6	2.3
Yuma	4.7	3.6	3.9	3.8	3.7	3.3	2.1	2.9	3.0	2.9	3.0

Note: ^a Per 1,000 population.

TABLE 5G-6
DISSOLUTIONS^a OF MARRIAGE COUNTY OF OCCURRENCE AND MONTH, ARIZONA, 2023

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
ARIZONA	1,460†	1,130†	1,350†	1,260†	1,250†	1,260†	1,240†	1,390†	1,200†	1,270†	1,200†	1,150†	15,160†
Apache	*	6	*	*	*	6	9	7	*	6	7	6	70†
Cochise	34	20	29	32	30	25	22	36	45	41	45	26	385
Coconino	15	21	19	17	18	15	19	9	14	9	15	17	188
Gila	6	15	8	12	12	11	6	14	11	16	*	16	130†
Graham	*	8	8	11	13	8	19	*	13	8	*	11	110†
Greenlee	*	*	*	*	*	*	*	*	*	*	*	*	30†
La Paz	0	0	*	*	*	*	0	*	*	*	0	*	30†
Maricopa	1,038	773	933	831	862	783	843	962	777	827	792	667	10,088
Mohave	55	51	56	51	53	54	62	57	49	71	53	50	662
Navajo	11	14	15	23	17	15	15	28	16	22	28	21	211
Pima	133	100	147	113	83	178	99	141	119	120	98	139	1,470
Pinal	34	16	36	22	22	37	31	27	40	25	36	71	397
Santa Cruz	11	10	12	11	10	8	15	16	19	18	16	19	165
Yavapai	49	49	32	71	48	56	45	45	37	46	40	65	583
Yuma	62	58	49	51	73	62	46	33	55	60	60	39	648

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 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 2023 COUNTY PROFILES

6A. STATEWIDE TRENDS

6B. 2023 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 <i>Healthy People 2030 (HP)</i> 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
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	6.3	6.2							5.7
Reduce fetal and infant deaths during perinatal period	5.6	6.1	6.4	6.3							5.9
Reduce the rate of infant deaths (HP-MICH-02)	5.3	5.5	6.2	5.5							5.0
Reduce neonatal deaths	3.5	3.8	4.1	3.8							4.1
Reduce postneonatal deaths	1.8	1.7	2.1	1.7							2.0
Reduce infant deaths due to birth defects	1.1	1.2	1.4	1.2							1.3
Reduce deaths from sudden infant death syndrome (SIDS)	0.2	0.2	0.2	0.1							0.50
Reduce the rate of death among children aged 1 to 4 years	29.5	31.5	30.1	27.9							25.7
Reduce the rate of death among children aged 5 to 9 years	11.4	11.8	11.4	13.8							12.3
Reduce the rate of death among children aged 10 to 14 years	18.7	19.2	15.5	21.5							15.2
Reduce the rate of death among adolescents aged 15 to 19 years	82.3	83.7	74.4	68.7							55.7
Reduce the rate of death among young adults aged 20 to 24 years	141.9	150.2	118.9	101.0							88.5
Reduce maternal deaths	50.8	48.8	33.2	32.1							11.4
Increase the proportion of pregnant women who receive prenatal care in the first trimester	68.8%	71.7%	0.7	0.7							77.9%
Reduce low birth weight (LBW)	7.4%	7.9%	0.1	0.1							7.8%
Reduce very low birth weight (VLBW)	1.1%	1.3%	0.0	0.0							1.4%
Reduce preterm births (HP-MICH-07)	9.5%	10.0%	0.1	0.1							9.4%
Increase abstinence from cigarette smoking among pregnant women (HP-MICH-10)	95.5%	95.9%	1.0	1.0							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 <i>Healthy People 2030 (HP)</i> 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	
6A-2. SEXUALLY TRANSMITTED DISEASES											
Reduce pregnancies among adolescent females aged 15 to 17 years ^a	9.3	8.3	7.9	7.8							36.2
Reduce proportion of chlamydia infections among females aged 15 to 24 years attending family planning clinics	6.9	8.6	9.0	10.8							N/A
Reduce chlamydia rates among females aged 15 to 44 years ^b	1694.3	1829.9	1745.4	1716.1							N/A
Reduce gonorrhea rates among females aged 15 to 44 years ^b	458.4	503.4	425.2	336.0							N/A
Reduce gonorrhea rates among males aged 15 to 44 years ^b	572.2	646.4	581.2	515.6							N/A
Reduce sustained transmission of primary and secondary syphilis among females	8.5	13.1	14.3	12.2							N/A
Reduce sustained transmission of primary and secondary syphilis among males	31.9	41.4	44.0	35.6							N/A
Reduce congenital syphilis	155.0	235.0	282.0	299.2							N/A
6A-3. VACCINE PREVENTABLE DISEASES											
Reduce or eliminate congenital rubella syndrome	0	0	0	0							0
Reduce Haemophilus influenzae type b among children under age 5 years	0	**	**	0.0							0.27
Reduce or eliminate measles	0	0	*	0							30
Reduce or eliminate mumps	10	*	*	6							500
Reduce or eliminate rubella	1	0	0	0							10
Reduce the rate of hepatitis A ^c (HP-IID-10)	0.8	0.6	0.4	0.8							0.4
Reduce the rate of meningococcal disease ^c	3	**	0.1	0.1							0.3
Reduce tuberculosis cases ^c (HP-IID-17)	1.9	1.8	2.1	2.7							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 <i>Healthy People 2030 (HP)</i> 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	
6A-4. INJURY AND VIOLENCE											
Reduce firearm-related deaths (HP-IVP-13)	17.2	18.3	20.1	18.3							10.7
Reduce deaths caused by poisonings	39.8	41.3	39.3	37.3							13.1
Reduce deaths caused by suffocation	1.2	1.6	1.5	1.1							1.7
Reduce unintentional injury deaths (HP-IVP-03)	71.5	77.8	74.8	74.6							43.2
Reduce deaths caused by motor vehicle crashes (HP-IVP-06)	14.0	18.4	17.5	16.7							10.1
Reduce residential fire deaths	0.5	0.5	0.3	0.7							0.86
Reduce fall-related deaths among older adults (HP-IVP-08)	12.2	74.6	75.1	81.2							63.4
Reduce drownings	1.3	1.6	1.7	1.5							1.1
Reduce homicides (HP-IVP-09)	7.7	8.1	9.0	7.4							5.5
Reduce the suicide rate (HP-MHMD-01)	18.2	19.4	20.5	18.9							12.8
Reduce the suicide rate among adolescents aged 15 to 19 years	14.6	14.2	14.5	12.7							NA
6A-5. CANCER											
Reduce the overall cancer death rate (HP-C-01)	134.7	131.8	133.1	128.4							122.7
Reduce the lung cancer death rate (HP-C-02)	26.8	25.8	24.3	23.1							25.1
Reduce the female breast cancer death rate (HP-C-04)	18.5	19.5	18.8	17.5							15.3
Reduce the death rate from cancer of the uterine cervix	1.7	2.5	2.3	2.0							2.2
Reduce the colorectal cancer death rate (HP-C-06)	12.7	12.4	12.6	12.8							8.9
Reduce the oropharyngeal cancer death rate	2.3	2.3	2.5	2.4							2.3
Reduce the prostate cancer death rate (HP-C-08)	18.5	17.2	16.7	17.2							16.9
Reduce the rate of melanoma cancer deaths	2.3	2.3	2.2	2.1							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. **Please note:** for the fall-related deaths among older adults indicator, the methods have been adjusted and are not comparable to the 2021-2022 published reports. Annual rates have been adjusted to reflect 65+ ages only, while 2021-2022, Table 6A used all ages.

TABLE 6A (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: STATEWIDE TRENDS

Focus areas and selected objectives: (in parentheses are <i>Healthy People 2030 (HP)</i> 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	77.9	73.3								65.8
6A-7. HEART DISEASE AND STROKE												
Reduce coronary heart disease deaths (HP-HDS-02)	109.4	108.1	103.9	101.3								71.1
Reduce stroke deaths (HP-HDS-03)	34.6	34.4	34.5	32.5								33.4
6A-8. RESPIRATORY DISEASES												
Reduce asthma deaths among children and adults <35 years	7.0	4.8	3.3	2.9								NA
Reduce asthma deaths among adults aged 35 to 64 years	19.7	11.5	13.1	10.0								6.0
Reduce asthma deaths among adults aged 65 years and older	36.4	31.9	35.7	26.6								22.9
Reduce deaths from chronic obstructive pulmonary disease (COPD) among adults aged 45 years and older (HP-RD-05)	122.1	113.7	113.6	108.7								107.2
6A-9. HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE												
Reduce the number of new AIDS cases per 100,000 population	9.7	10.9	11.9	12.9								13.0
Reduce deaths from HIV disease	0.9	1.0	1.4	1.3								3.3
6A-10. SUBSTANCE ABUSE												
Reduce cirrhosis deaths (HP-SU-02)	17.4	21.6	17.4	16.4								10.9
Reduce drug-induced deaths	38.4	40.6	38.6	36.8								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

2023 COUNTY PROFILES

TABLE 6B
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE OBJECTIVES: 2023 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 2023															
		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	6.2	**	**	**	15.4	13.0	**	**	6.0	6.5	7.3	7.1	7.2	0.0	5.6	5.0
Reduce fetal and infant deaths during perinatal period	5.9	6.3	**	4.9	9.3	**	17.3	**	**	6.1	5.3	8.9	5.9	6.7	0.0	8.5	6.1
Reduce the rate of infant deaths (HP-MICH-02)	5.0	5.5	**	**	7.8	**	**	0.0	**	5.6	5.3	9.0	3.8	6.9	0.0	6.8	6.1
Reduce neonatal deaths	4.1	3.8	**	**	7.8	**	**	0.0	**	3.9	**	4.9	2.5	4.3	0.0	5.7	4.6
Reduce postneonatal deaths	2.0	1.7	0.0	**	0.0	0.0	**	0.0	0.0	1.7	3.6	**	1.2	2.6	0.0	**	**
Increase the proportion of pregnant women who receive prenatal care in the first trimester	77.9%	71.4%	60.5%	52.6%	72.6%	60.9%	65.4%	69.1%	55.1%	73.1%	74.7%	66.8%	68.1%	75.0%	50.0%	79.2%	59.9%
Reduce low birth weight (LBW)	7.8%	8.1%	9.8%	8.1%	7.9%	9.2%	5.7%	**	10.1%	8.2%	7.2%	7.5%	8.6%	7.2%	5.3%	7.8%	7.4%
Reduce very low birth weight (VLBW)	1.4%	1.3%	1.5%	1.2%	1.5%	1.6%	**	**	**	1.3%	1.0%	0.9%	1.3%	1.1%	**	1.2%	1.1%
Reduce preterm births (HP-MICH-07)	9.4%	9.9%	13.9%	10.1%	8.9%	10.5%	9.0%	6.2%	13.3%	10.0%	9.6%	7.5%	10.0%	9.4%	6.9%	9.3%	8.8%
Increase abstinence from cigarette smoking among pregnant women (HP-MICH-10)	95.7%	97.1%	81.0%	95.6%	95.7%	92.6%	92.8%	88.7%	91.1%	98.3%	79.8%	94.5%	96.2%	97.3%	99.3%	94.4%	98.7%
6B-2. SEXUALLY TRANSMITTED DISEASES ^c																	
Reduce pregnancies among adolescent females aged 15 to 17 years ^a	36.2	7.8	11.2	8.2	5.2	14.7	9.1	**	**	7.4	5.1	14.7	7.1	8.6	10.2	7.1	10.9
Reduce gonorrhea rates among females aged 15-44 years ^b	N/A	335.8	662.1	140.6	193.5	536.5	248.0	**	**	365.0	117.6	874.3	316.1	279.1	163.0	77.7	143.6
Reduce the sustained transmission of primary and secondary syphilis among males ^b	N/A	23.8	119.5	4.7	21.9	29.7	40.3	0.0	**	25.8	15.6	35.5	25.8	8.8	**	3.2	13.5

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: 2023 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 2023															
		Arizona	Apache	Cochise	Coconino	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	73.3	136.3	77.8	76.6	104.0	104.0	179.3	139.1	71.6	66.4	103.5	72.9	64.9	53.4	71.2	84.6
6B-7. HEART DISEASE AND STROKE																	
Reduce coronary heart disease deaths (HP-HDS-02)	71.1	101.3	109.5	104.6	61.8	136.2	101.6	132.0	141.4	104.6	151.3	116.6	81.8	102.1	81.3	91.3	87.5
Reduce stroke deaths (HP-HDS-03)	33.4	32.5	33.6	34.9	21.2	35.2	33.5	**	24.8	32.0	32.1	52.7	36.1	28.9	38.9	29.5	30.2
6B-8. RESPIRATORY DISEASES																	
Reduce deaths from chronic obstructive pulmonary disease (COPD) among adults aged 45 years and older (HP-RD-05)	107.2	108.7	118.6	167.7	72.3	197.5	71.9	**	305.2	92.5	237.2	143.2	107.7	105.5	75.7	168.5	90.1
6B-9. HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE																	
Reduce the number of new AIDS cases per 100,000 population	13.0	12.9	17.9	6.3	7.3	**	**	0.0	0.0	13.6	8.5	5.5	13.2	13.9	16.0	8.0	15.9
Reduce deaths from HIV disease	3.3	0.9	**	0.0	0.0	0.0	0.0	0.0	0.0	1.0	**	0.0	1.0	**	**	**	**
6B-10. SUBSTANCE ABUSE																	
Reduce cirrhosis deaths (HP-SU-02)	10.9	16.4	78.2	20.5	35.1	47.5	16.5	**	47.6	12.9	23.2	60.8	15.1	19.2	**	18.7	18.0
Reduce drug-induced deaths	11.3	36.8	77.9	39.5	28.2	66.2	23.2	**	49.2	34.8	37.2	62.9	44.9	26.3	**	37.0	25.9

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 2023

- 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, 2023**

Category of first-listed diagnosis	Total	County of residence															
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total	702,383	5,055	13,267	9,954	6,684	2,185	481	1,923	403,900	20,160	12,509	102,105	46,141	3,910	27,563	16,501	30,045
Infectious and parasitic diseases																	
Septicemia	71,961	523	1,307	660	587	126	31	178	41,033	2,227	1,611	11,525	5,071	383	1,720	1,615	3,364
Enterocolitis due to <i>Clostridium difficile</i>	65,702	477	1,208	537	532	110	30	166	37,344	2,076	1,512	10,633	4,655	354	1,505	1,475	3,088
Neoplasms	1,360†	*	33	32	18	*	0	*	745	49	34	179	72	0	72	43	71
Malignant neoplasms	23,170	148	469	316	245	55	19	71	13,196	680	322	3,325	1,512	143	945	570	1,154
Large intestine	19,597	122	408	262	208	49	19	60	11,075	595	274	2,831	1,281	122	801	508	982
Prostate	2,845	22	56	35	34	8	7	10	1,587	102	50	416	181	20	130	85	102
Trachea bronchus and lung	450†	*	18	*	7	*	0	*	225	13	*	89	40	*	18	6	17
Breast	2,210†	6	52	21	22	*	*	*	1,234	91	22	351	138	7	97	62	98
Benign neoplasms	1,080†	8	11	7	*	*	0	0	735	23	9	106	64	0	37	22	52
Endocrine nutritional metabolic and immunity diseases	2,756	21	47	35	34	6	0	8	1,658	58	43	375	184	11	92	51	133
Diabetes mellitus	32,103	233	631	355	376	92	15	90	18,086	1,027	531	5,069	2,274	191	1,073	770	1,290
Volume depletion	14,700†	115	282	191	199	31	*	40	8,189	446	291	2,249	1,074	91	435	361	698
Morbid obesity	1,610†	22	21	8	15	*	*	*	991	57	24	250	84	7	49	12	60
Diseases of the blood and blood forming organs	4,380†	12	96	22	35	27	*	*	2,618	30	22	853	340	39	55	190	30
Mental disorders	6,310†	40	82	69	45	10	*	24	3,933	156	82	884	390	20	197	114	264
Psychoses	78,739	725	1,179	1,644	639	327	52	113	49,286	1,251	1,675	10,875	4,069	263	2,508	764	3,369
Alcoholic psychoses	44,953	385	651	952	364	171	25	57	27,756	755	913	6,766	1,991	132	1,494	391	2,150
Drug psychoses	6,310†	91	71	179	59	31	*	12	3,562	147	142	1,161	274	15	193	60	306
Schizophrenic disorders	940†	*	34	25	8	*	0	0	391	9	20	238	34	*	69	9	94
Manic-depressive disorders	10,250†	51	102	162	63	49	*	13	6,656	132	135	1,524	343	35	322	88	571
Neurotic disorders	43,054	410	689	683	364	176	38	64	28,410	703	850	4,824	2,593	141	1,331	431	1,347
Anxiety states	16,018	248	229	678	138	61	9	23	8,833	298	570	2,463	836	34	611	177	810
Depression	1,060†	11	28	27	11	*	0	*	669	22	15	97	88	*	32	12	44
Drug dependence	26,476	314	407	480	220	126	24	47	17,329	387	600	3,022	1,644	94	757	264	761
Nondependent abuse of drugs	3,530†	*	33	44	25	11	*	*	2,270	22	20	821	108	12	57	11	90
Alcohol dependence	250†	9	*	16	*	*	*	0	89	*	76	31	8	0	*	*	6
Diseases of the nervous system	8,140†	126	78	262	79	36	*	14	4,650	166	225	1,382	328	18	316	68	390
Diseases of the eye and adnexa	18,843	156	370	299	174	58	15	43	10,201	459	301	2,872	1,135	93	850	836	981
Diseases of the ear and mastoid process	660†	6	24	9	7	*	0	*	331	12	10	135	30	9	34	15	35
Diseases of the circulatory system	760†	*	12	12	*	*	*	*	429	11	10	157	47	*	23	16	22
Heart disease	105,349	714	2,198	1,344	1,102	277	75	406	57,387	4,064	1,731	15,447	7,193	561	5,316	2,587	4,947
Acute myocardial infarction	70,285	473	1,503	885	749	201	50	287	37,742	3,131	1,143	10,371	4,682	373	3,685	1,690	3,320
Coronary arteriosclerosis	12,414	123	329	162	169	73	16	58	6,187	715	260	1,590	862	89	702	322	757
	5,450†	48	112	35	59	13	*	26	2,777	344	77	910	375	38	282	142	210

TABLE 7A-1 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2023

Category of first-listed diagnosis	Total	County of residence															Unknown
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	
Other ischemic heart disease	450†	8	8	8	*	*	0	*	225	24	12	60	40	0	29	11	22
Cardiac dysrhythmias	15,693	67	296	232	138	36	8	58	8,483	641	209	2,361	991	82	1,006	327	758
Cardiac arrest	330†	*	*	7	*	0	0	*	161	11	10	58	24	*	17	8	20
Congestive heart failure	2,040†	30	68	53	24	*	*	19	959	90	66	327	117	*	107	46	122
Cerebrovascular diseases	23,378	174	487	278	241	51	17	80	12,800	647	430	3,380	1,685	130	1,158	681	1,139
Diseases of the respiratory system	43,652	280	1,040	644	543	96	17	168	23,968	1,844	859	6,254	2,911	222	2,174	810	1,822
Acute bronchitis and bronchiolitis	1,890†	10	29	67	16	7	*	*	974	80	68	320	147	16	87	17	45
Pneumonia	12,220†	82	338	171	153	18	*	41	6,524	556	205	1,602	886	58	756	242	584
Chronic bronchitis	7,368	50	172	126	94	12	6	22	4,060	297	114	931	490	36	463	154	341
Asthma	4,370†	15	96	56	62	*	0	17	2,320	264	45	694	246	7	258	81	204
COVID-19	2,510†	12	32	39	21	*	0	*	1,538	34	45	475	150	6	50	21	80
Diseases of the digestive system	62,569	617	1,295	996	640	175	46	150	34,364	1,973	1,254	9,271	4,217	351	2,917	1,448	2,855
Appendicitis	2,630†	13	57	37	22	*	*	8	1,446	103	34	410	136	26	146	59	126
Noninfectious enteritis and colitis	4,930†	23	78	58	49	11	*	8	2,970	161	55	661	313	18	256	78	190
Diverticula of intestine	5,310†	47	78	48	46	8	*	14	3,048	146	68	807	385	31	248	102	235
Cholelithiasis	3,350†	32	59	46	32	8	*	6	1,750	129	72	552	244	29	195	58	132
Diseases of the genitourinary system	29,125	138	566	323	292	82	14	82	16,547	1,092	363	4,241	1,971	194	1,268	680	1,272
Calculus of kidney and ureter	410†	*	12	7	0	7	0	*	185	21	6	73	22	*	50	11	15
Diseases of the skin and subcutaneous tissue	12,260†	80	167	207	108	21	*	36	7,138	337	188	1,797	758	44	508	187	684
Cellulitis and abscess	8,670†	47	117	152	77	10	*	20	5,035	258	128	1,267	508	29	378	127	513
Diseases of the musculoskeletal system	27,199	195	548	474	321	104	20	78	15,663	809	465	3,742	1,626	125	1,365	472	1,192
Osteoarthritis and allied disorders	3,650†	16	95	96	49	9	*	11	1,998	166	54	467	252	16	280	33	107
Invertebral disc disorders	2,260†	13	37	53	31	8	*	6	1,322	122	38	239	112	7	154	42	78
Congenital anomalies	2,400†	15	39	39	16	15	*	*	1,415	51	33	256	160	9	69	52	225
Conditions originating in perinatal period	1,890†	22	56	58	19	10	*	*	1,076	103	81	215	103	20	61	25	33
Symptoms signs and ill-defined conditions	12,900	122	312	174	68	25	8	50	6,733	383	256	2,147	761	70	896	348	547
Injury and poisoning	74,699	655	1,361	987	801	238	58	196	41,744	1,748	1,336	11,066	4,986	404	3,034	1,839	4,246
Fractures, all sites	23,531	222	470	302	283	64	21	72	12,639	624	378	3,443	1,556	137	1,243	662	1,415
Fracture of neck of femur	7,650†	53	192	67	97	16	*	30	3,854	360	119	1,212	517	53	449	223	404
Poisonings	4,730†	22	64	66	45	20	*	*	2,747	105	77	740	259	18	147	79	333

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 7A-2
NUMBER OF DISCHARGES^a BY GENDER, AGE GROUP, RACE/ETHNICITY, MARITAL STATUS, PRIMARY PAYER, AND
COUNTY OF RESIDENCE, ARIZONA, 2023

Selected characteristics		Total	County of residence															
			Apache	Cochise	Cocconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total		702,383	5,055	13,267	9,954	6,684	2,185	480†	1,923	403,900	20,160	12,509	102,105	46,141	3,910	27,563	16,501	30,045
	Male	322,855	2,624	6,262	4,887	3,230	960	193	973	181,507	9,991	6,226	45,761	20,681	1,652	13,321	7,297	17,290
	Female	379,392	2,430	7,003	5,063	3,454	1,224	288	950	222,296	10,168	6,282	56,333	25,456	2,258	14,242	9,203	12,742
Age group	Unknown	140†	*	*	*	0	*	0	0	97	*	*	11	*	0	0	*	13
	Children <15 years	28,693	263	493	532	289	155	18	52	17,633	574	841	3,796	2,260	177	685	463	462
	Adolescents 15-19 years	20,242	163	297	356	203	112	19	55	12,434	307	512	2,507	1,608	119	473	513	564
	Young adults 20-44 years	194,026	1,351	2,983	3,147	1,453	834	173	315	120,801	3,284	3,488	26,569	12,238	1,155	4,527	4,505	7,203
	Middle-aged adults 45-64 years	161,580	1,288	2,820	2,282	1,527	545	132	442	93,395	4,865	3,037	23,310	10,356	729	5,547	3,204	8,101
	Elderly 65+ years	297,811	1,990	6,674	3,637	3,211	539	139	1,059	159,624	11,130	4,631	45,919	19,679	1,730	16,330	7,816	13,703
Race/ethnicity	Unknown	30†	0	0	0	*	0	0	0	13	0	0	*	0	0	*	0	12
	White non-Hispanic	32,486	2,788	73	2,968	1,161	271	12	244	10,834	480	4,954	3,308	3,025	20	435	323	1,590
	Hispanic or Latino	15,637	33	203	106	51	12	9	13	11,229	191	77	1,982	688	45	229	153	616
	Black or African American	42,220†	12	446	128	38	33	*	17	31,415	183	88	4,665	2,835	9	225	272	1,850
	American Indian or Alaska Native	131,696	202	2,860	935	588	507	144	202	73,981	1,521	702	26,257	7,684	2,728	2,003	7,919	3,463
	Asian or Pacific Islander	473,078	1,939	9,546	5,672	4,795	1,334	304	1,416	272,214	17,625	6,503	65,033	31,664	1,069	24,332	7,698	21,934
	Refused/Unknown	7,266	81	139	145	51	28	8	31	4,227	160	185	860	245	39	339	136	592
	Single	300,112	2,683	4,999	4,384	2,832	1,045	201	821	176,873	6,630	6,228	46,315	17,812	1,643	8,946	5,734	12,966
	Married	270,095	1,582	5,711	3,544	2,424	787	224	716	151,951	8,361	4,443	37,141	20,112	1,664	12,294	7,130	12,011
Patient's marital status	Separated	4,787	45	98	82	49	17	0	7	2,642	163	108	563	244	19	301	258	191
	Divorced	51,869	207	999	1,067	574	157	24	152	30,719	1,746	572	7,040	3,296	198	2,191	1,197	1,730
	Widowed	67,609	354	1,244	756	743	129	24	173	38,286	2,669	764	9,747	4,346	305	3,588	2,033	2,448
	Not applicable	21	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	*
	Unknown	7,890	184	216	121	62	50	8	54	3,410	591	394	1,299	331	81	243	149	697
	Self-pay	17,710†	77	302	214	90	32	*	27	9,965	854	193	2,095	810	178	626	432	1,809
Primary payer	Private insurance (indemnity, HMO, PPO)	163,834	645	1,987	2,190	1,205	758	227	348	102,173	4,565	1,588	19,302	10,997	618	8,008	2,248	6,975
	AHCCCS/Medicaid	191,223	1,957	3,192	3,109	1,965	761	94	494	112,935	3,816	5,092	28,562	11,807	1,301	4,908	4,853	6,377
	Medicare	228,288	1,770	4,467	3,629	2,726	360	98	776	127,417	6,415	3,746	32,755	15,367	1,252	11,461	5,118	10,931
	Other	101,330	606	3,319	812	698	274	58	278	51,410	4,510	1,890	19,391	7,160	561	2,560	3,850	3,953

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.

7B

DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES

TABLE 7B-1
NUMBER OF PROCEDURES BY CATEGORY AND COUNTY OF RESIDENCE, ARIZONA, 2023

Procedures by category	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
All procedures	1,210,091	9,640	22,300	17,110	13,201	5,674	1,375	3,703	687,435	36,586	22,776	174,932	78,714	7,778	45,343	30,749	52,775
Operations on the central nervous system	18,085	133	297	240	160	355	69	34	10,668	313	294	2,215	1,157	94	659	369	1,028
Spinal tap	6,723	55	83	86	49	25	0	7	4,276	146	107	804	434	37	191	127	296
Operations on the peripheral nervous system	8,643	51	164	102	103	42	8	25	5,017	218	125	1,138	582	44	365	169	490
Operations on the heart and great vessels	64,545	513	1,166	829	738	207	52	224	36,119	2,549	1,190	8,863	4,609	313	2,791	1,449	2,933
Heart transplant	90†	0	*	*	0	0	0	0	60	*	*	6	*	0	*	*	8
Coronary artery bypass graft	3,780†	18	68	38	47	12	*	18	1,967	188	41	600	272	30	180	133	162
Cardiac catheterization	20,541	199	370	253	222	77	20	97	10,708	1,210	418	2,728	1,338	136	1,089	533	1,143
Insertion, replacement, removal, of pacemaker leads	5,880†	40	99	86	58	10	*	20	3,321	217	86	729	411	23	358	137	280
Operations on the upper arteries	14,446	139	364	158	135	54	17	63	7,324	430	294	2,778	748	118	578	437	809
Operations on the lower arteries	7,850	66	181	90	80	22	6	40	4,256	228	135	1,137	551	55	364	298	341
Operations on the upper veins	20,055	104	424	177	96	74	15	93	9,979	428	211	4,899	664	235	1,136	664	856
Operations on the lower veins	10,640	78	190	184	143	25	11	41	5,558	413	262	1,534	730	67	501	377	526
Operations on the lymphatic and hemic systems	9,588	49	187	95	96	27	8	30	5,794	229	136	1,343	602	47	323	177	445
Operations on the eye	510†	7	14	12	10	*	*	0	248	*	15	90	26	*	17	14	41
Operations on the ear, nose, sinus	1,240†	12	26	26	11	8	*	*	698	27	31	189	73	*	37	25	71
Operations on the respiratory system	33,187	224	612	376	322	106	27	86	19,223	936	550	5,069	2,038	149	950	744	1,775
Bronchoscopy with or without biopsy	3,540†	30	57	28	42	19	*	17	2,084	105	64	440	204	20	98	97	231
Operations on the mouth and throat	3,140†	26	64	69	52	18	*	14	1,762	104	71	479	188	17	86	52	138
Operations on the gastrointestinal system	56,852	471	1,126	789	607	192	57	137	32,298	1,595	1,047	8,315	3,839	330	2,248	1,448	2,353
Implantation of gastric band	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Endoscopy of small intestine with or without biopsy	13,632	149	202	247	148	33	16	42	7,822	433	253	1,840	909	67	494	373	604
Endoscopy of large intestine with or without biopsy	8,910†	78	129	131	88	22	*	25	5,162	300	171	1,121	605	35	420	207	415
Appendectomy, excluding incidental	3,600†	24	66	47	33	9	*	11	1,999	128	54	551	217	35	175	85	166
Operations on the hepatobiliary system and pancreas	15,691	168	292	265	155	41	10	32	8,787	332	322	2,183	1,041	111	630	435	887
Cholecystectomy	7,550	82	140	118	59	20	6	14	4,091	190	169	1,147	541	62	348	245	318
Operations on the endocrine system	990†	6	32	16	8	*	*	*	520	46	17	130	70	*	47	18	68
Operations on the skin and breast	20,845	129	300	324	183	98	16	38	12,661	381	294	3,046	1,220	137	584	637	797
Breast surgery	1,080†	8	11	7	*	*	0	0	735	23	9	106	64	0	37	22	52

TABLE 7B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND COUNTY OF RESIDENCE, ARIZONA, 2023

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	28,031	229	433	377	355	92	27	105	16,411	755	536	3,693	2,031	142	931	575	1,339
Operations on the musculoskeletal system	68,258	450	1,297	927	762	283	65	164	39,742	1,780	1,151	9,765	4,320	420	2,690	1,453	2,989
Open reduction of fracture with or without internal fixation	7,902	82	161	151	97	28	10	19	4,205	210	147	1,219	467	48	347	194	517
Total hip replacement	2,700†	11	72	51	35	*	*	8	1,502	74	39	391	189	12	170	29	110
Total knee replacement	3,210†	13	77	69	51	12	*	7	1,858	132	40	403	207	23	203	34	78
Operations on the urinary system	19,667	154	341	226	189	84	14	82	10,557	919	393	2,678	1,314	106	1,080	419	1,111
Kidney transplant	200†	*	*	*	0	0	*	0	102	*	*	33	8	*	*	*	38
Operations on the male reproductive system	5,590†	19	71	33	40	10	*	9	3,842	118	27	310	838	12	71	53	135
Prostatectomy	970†	*	34	9	10	*	*	*	449	89	11	168	53	6	40	25	62
Operations on the female reproductive system	17,931	54	257	229	119	118	18	39	11,391	374	275	2,423	1,276	136	413	560	249
Oophorectomy and salpingo-oophorectomy	2,947	9	58	59	40	10	0	10	1,740	85	44	410	247	20	105	62	48
Hysterectomy	1,840†	7	40	32	19	10	*	*	1,110	61	37	234	124	16	67	39	33
Obstetrical procedures	75,918	227	1,208	992	466	407	89	154	48,637	1,415	989	10,038	5,279	691	1,612	2,710	1,004
Episiotomy with or without forceps or vacuum extraction	2,300†	8	29	38	27	20	*	10	1,282	153	30	373	100	34	75	45	69
Artificial rupture of membranes	22,705	83	418	351	135	168	36	22	13,865	500	366	3,841	1,481	234	489	480	236
Cesarean section	22,370	73	351	245	128	85	18	47	14,411	415	252	2,935	1,619	237	477	784	293
Other therapeutic procedures - Imaging	53,419	490	1,042	926	770	227	47	260	27,743	2,555	1,316	7,906	3,349	360	2,484	1,266	2,678
Computerized tomography (CT Scan)	2,110†	8	*	35	19	*	0	10	1,495	20	44	42	108	*	112	78	134
Magnetic resonance imaging (MRI)	990†	9	7	11	12	7	*	*	662	17	18	60	60	*	53	19	43
Other therapeutic procedures - Nuclear medicine	110†	*	*	*	0	0	0	0	79	*	*	6	*	0	*	*	*
Other therapeutic procedures - Radiation therapy	130†	*	*	*	*	0	0	*	84	0	*	*	*	0	14	*	*
Extracorporeal assistance and performance	73,139	555	1,367	902	845	275	69	222	41,265	2,076	1,304	10,919	5,484	427	2,522	1,497	3,410
Hemodialysis	20,218	204	328	270	277	100	15	61	11,418	594	446	2,911	1,707	153	448	471	815

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, 2023**

	Total	Number of procedures by payer				
		Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
Total	1,210,091	30,481	312,261	311,392	375,726	180,231
Apache	9,640	119	1,180	3,323	3,941	1,077
Cochise	22,300	575	3,636	5,332	7,390	5,367
Coconino	17,110	339	4,599	5,020	6,188	964
Gila	13,201	109	2,688	3,876	5,025	1,503
Graham	5,674	77	2,271	1,937	808	581
Greenlee	1,375	14	725	240	237	159
La Paz	3,703	43	442	1,028	1,532	658
Maricopa	687,435	16,542	194,308	181,839	203,365	91,381
Mohave	36,586	1,652	8,657	6,400	11,819	8,058
Navajo	22,776	301	3,217	8,692	7,646	2,920
Pima	174,932	3,888	38,101	45,934	53,809	33,200
Pinal	78,714	1,409	19,954	18,827	25,331	13,193
Santa Cruz	7,778	472	1,243	2,667	2,127	1,269
Yavapai	45,343	932	12,725	7,624	18,776	5,286
Yuma	30,749	894	4,635	9,567	8,448	7,205
Unknown	52,775	3,115	13,880	9,086	19,284	7,410

7C

CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY AND DIAGNOSIS GROUP

**TABLE 7C-1
NUMBER OF EMERGENCY ROOM VISITS BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2023**

Category of first-listed diagnosis	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total, all visits	2,535,418	20,238	59,356	34,910	28,276	18,054	2,519	7,955	1,432,913	93,351	37,944	333,208	160,881	17,789	86,883	75,080	126,061
Infectious and parasitic diseases	58,031	576	1,586	802	666	679	83	188	33,634	1,926	1,148	6,664	3,598	570	1,153	2,319	2,439
Neoplasms	7,287	56	210	69	84	32	8	22	4,105	388	105	889	442	58	304	163	352
Endocrine nutritional metabolic and immunity diseases	64,669	593	2,001	770	919	479	78	250	34,092	2,548	1,310	8,523	4,515	459	2,165	2,295	3,672
Diabetes mellitus	18,150	161	517	247	242	171	29	81	9,855	732	389	2,147	1,404	133	531	660	851
Mental disorders	75,677	1,299	1,865	2,783	1,132	479	53	170	36,587	3,322	2,551	9,712	4,278	583	2,781	1,660	6,422
Psychoses	49,503	1,062	928	2,279	789	273	35	89	23,514	1,832	1,923	6,394	2,562	275	1,823	860	4,865
Alcoholic psychoses	8,182	182	125	296	165	28	6	10	4,343	231	301	1,053	298	76	228	103	737
Drug psychoses	2,567	14	69	47	30	16	0	6	1,275	106	29	372	144	22	98	72	267
Schizophrenic disorders	600†	*	15	19	*	*	0	*	258	44	14	102	18	*	21	14	84
Manic-depressive disorders	5,040†	70	143	156	58	33	*	17	2,287	352	148	655	386	27	209	92	402
Neurotic disorders	62,981	1,206	1,378	2,448	966	377	42	142	31,260	2,552	2,272	7,765	3,428	502	2,075	1,498	5,070
Anxiety states	16,917	139	553	276	237	130	10	49	8,817	757	383	2,236	1,051	255	587	586	851
Depression	3,280†	61	108	113	38	29	*	10	1,397	246	117	438	257	22	118	70	248
Drug dependence	2,320†	14	49	33	35	14	7	*	1,078	122	45	437	129	10	88	22	227
Nondependent abuse of drugs	9,239	73	185	228	122	49	7	14	4,611	339	256	1,358	495	84	276	153	989
Alcohol dependence	5,460†	181	87	427	87	27	*	16	2,527	212	290	663	252	11	241	41	398
Diseases of the nervous system	56,458	548	1,330	1,192	631	349	49	183	30,783	2,264	1,120	7,475	3,569	276	1,893	2,210	2,586
Diseases of the eye and adnexa	25,221	269	524	267	235	246	15	68	14,725	776	322	3,390	1,361	131	766	772	1,354
Diseases of the ear and mastoid process	43,442	422	1,051	392	462	394	30	197	25,819	1,568	468	5,336	2,647	243	1,076	1,454	1,883
Diseases of the circulatory system	95,115	639	3,166	974	1,341	564	93	513	49,768	4,221	1,748	11,939	6,619	702	4,231	3,218	5,379
Diseases of the respiratory system	241,035	3,074	6,181	2,461	2,845	1,820	243	787	144,189	8,496	3,329	27,640	15,411	1,281	6,883	6,637	9,758
Acute bronchitis and bronchiolitis	16,338	114	410	111	196	80	16	68	9,599	709	212	1,836	1,109	80	481	594	723
Pneumonia	23,422	143	491	196	220	162	32	105	14,206	817	297	2,386	1,730	105	606	651	1,275
Chronic bronchitis	10,702	88	486	115	286	102	16	99	4,682	1,058	207	1,157	791	40	538	449	588
Asthma	22,152	185	463	175	151	144	18	40	13,556	615	262	2,789	1,273	141	567	738	1,035
COVID-19	40,983	699	1,250	583	537	262	38	103	22,906	1,409	619	4,511	2,621	331	1,950	956	2,208

TABLE 7C-1 (continued)
NUMBER OF EMERGENCY ROOM VISITS BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2023

Category of first-listed diagnosis	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Diseases of the digestive system	179,196	1,412	4,772	1,992	2,155	1,226	206	576	102,223	6,894	2,896	23,103	11,926	1,278	5,687	5,413	7,437
Diseases of the genitourinary system	156,308	971	3,617	1,669	1,736	1,120	188	466	90,417	5,834	1,980	19,855	10,399	1,118	5,127	4,680	7,131
Diseases of the skin and subcutaneous tissue	85,697	653	1,934	898	975	610	76	267	48,842	3,504	1,070	11,927	4,894	451	2,654	2,276	4,666
Diseases of the musculoskeletal system	186,021	1,180	4,116	2,304	2,239	1,529	228	555	103,795	7,534	2,276	26,071	11,324	1,158	7,164	5,360	9,188
Symptoms signs and ill-defined conditions	598,461	2,949	10,632	8,042	5,629	4,226	658	1,594	343,568	21,513	6,820	81,295	37,747	4,254	22,257	18,977	28,300
Injury and poisoning	498,184	4,351	12,321	7,822	5,643	3,358	374	1,615	276,517	16,088	8,139	67,082	32,160	3,744	17,599	13,500	27,871
Fractures, all sites	77,557	666	1,981	1,225	982	564	70	260	41,446	2,889	1,309	10,565	4,716	577	3,087	2,091	5,129
Sprains	47,692	626	1,428	702	635	329	26	163	26,721	1,676	868	5,672	3,224	492	1,473	1,284	2,373
Intracranial	15,928	143	358	389	169	84	21	45	8,271	492	389	2,552	903	89	585	418	1,020
Open wounds	102,991	947	2,416	1,736	1,121	719	64	314	56,525	3,295	1,644	14,861	6,296	760	3,871	2,338	6,084
Superficial injuries	91,571	825	2,368	1,470	1,045	633	71	422	50,048	3,234	1,507	12,852	6,359	708	3,104	2,164	4,761
Contusions with intact skin surface	63,015	529	1,642	991	638	396	43	305	34,605	2,313	1,075	8,542	4,646	512	2,229	1,469	3,080
Foreign bodies	10,776	122	258	167	106	115	8	28	5,969	339	145	1,548	750	69	346	332	474
Burns and corrosions	7,610†	84	152	101	63	78	*	30	4,755	208	135	826	455	38	189	191	300
Trauma complications and unspecified injuries	35,686	115	706	449	314	190	30	39	21,771	749	364	3,957	2,238	225	1,480	1,353	1,706
Poisonings	11,505	69	179	170	127	69	14	19	6,569	299	163	1,423	778	70	396	348	812
Surgical and medical complications	16,930	114	407	244	234	102	13	52	9,162	861	364	2,082	1,196	110	727	616	646

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, 2023

Leading diagnosis	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total	2,535,418	20,238	59,356	34,910	28,276	18,054	2,519	7,955	1,432,913	93,351	37,944	333,208	160,881	17,789	86,883	75,080	126,061
Abdominal pain	134,434	626	2,191	1,730	1,133	929	183	310	77,715	4,493	1,512	18,845	8,644	1,157	4,884	4,770	5,312
Chest pain	118,373	640	2,048	1,426	1,015	655	111	317	70,067	3,975	1,271	15,754	7,694	687	3,915	3,535	5,263
COVID-19	93,632	1,601	2,260	1,083	955	845	97	293	56,431	3,141	1,249	11,091	5,886	385	2,195	2,870	3,250
Acute upper respiratory infection, excluding pharyngitis	91,571	825	2,368	1,470	1,045	633	71	422	50,048	3,234	1,507	12,852	6,359	708	3,104	2,164	4,761
Superficial injuries	75,677	1,299	1,865	2,783	1,132	479	53	170	36,587	3,322	2,551	9,712	4,278	583	2,781	1,660	6,422
Mental disorders	69,401	399	1,559	848	735	497	93	176	38,796	2,813	813	10,011	4,423	471	2,715	1,989	3,063
Spinal disorders	63,015	529	1,642	991	638	396	43	305	34,605	2,313	1,075	8,542	4,646	512	2,229	1,469	3,080
Contusion with intact skin surface	49,107	380	1,433	431	738	522	82	176	27,677	2,251	667	5,419	3,648	409	1,859	1,311	2,104
Nausea, vomiting	48,267	266	851	778	499	543	76	99	28,369	1,620	563	6,263	3,062	323	1,705	1,061	2,189
Open wound, excluding head	46,432	344	1,630	452	743	341	47	308	24,097	2,044	953	5,532	3,325	338	2,024	1,432	2,822
Urinary tract infection, site not specified	45,398	431	1,250	799	555	358	32	148	24,551	1,593	768	6,448	2,769	331	1,944	1,034	2,387
Heart disease, excluding ischemic	41,796	168	814	555	363	233	31	53	25,156	896	446	4,950	2,630	278	1,629	1,528	2,066
Open wound of head	40,983	699	1,250	583	537	262	38	103	22,906	1,409	619	4,511	2,621	331	1,950	956	2,208
Cellulitis and abscess	40,051	239	896	387	513	235	37	118	22,578	1,658	479	5,752	2,285	195	1,274	993	2,412
Sprains and strains, excluding ankle and back	35,277	523	1,046	477	483	220	16	114	19,772	1,178	664	4,162	2,527	302	1,016	1,027	1,750
Otitis media and eustachian tube disorders	26,054	300	689	233	292	112	13	64	15,283	664	305	3,359	1,722	200	694	1,041	1,083
Gastroenteritis and colitis	25,196	280	643	208	258	240	14	79	15,445	663	250	2,944	1,694	119	559	905	895
Rheumatism, excluding back	25,039	138	619	288	327	157	17	112	14,129	968	310	3,441	1,520	149	745	726	1,393
Asthma	23,422	143	491	196	220	162	32	105	14,206	817	297	2,386	1,730	105	606	651	1,275
Pneumonia	22,152	185	463	175	151	144	18	40	13,556	615	262	2,789	1,273	141	567	738	1,035
Fever	17,606	272	359	179	240	204	26	46	10,331	587	207	2,350	1,000	90	539	454	722
Acute pharyngitis	17,115	161	725	159	381	126	25	108	8,235	1,162	273	2,030	1,338	73	727	669	923
Chronic and unspecified bronchitis	15,392	70	194	120	136	103	9	46	9,550	293	97	2,393	953	128	373	533	394
Migraine	13,339	134	363	188	140	90	11	25	7,898	399	200	1,943	871	73	307	290	407
Sprains and strains of neck and back	3,803	18	38	20	19	10	0	15	2,218	273	17	505	237	40	134	78	181
Unspecified viral and chlamydial infection	280 [†]	0	*	0	*	0	0	*	161	10	*	25	21	*	0	35	15
Headache	10 [†]	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 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, 2023**

Intent/mechanism of injury	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
UNINTENTIONAL INJURY	68,118	642	1,392	1,026	679	180	46	184	36,675	1,769	1,334	10,814	4,144	353	3,340	1,632	3,908
Falls	42,115	354	818	615	434	85	19	111	22,614	1,219	644	6,872	2,547	233	2,441	1,055	2,054
Transport accidents	10,107	111	180	154	87	38	13	29	5,620	138	208	1,409	647	37	359	241	836
Natural and environmental factors	9,826	123	264	155	99	40	10	20	5,003	298	346	1,642	562	58	321	195	690
Exposure to excessive natural heat	1,060†	*	7	*	8	*	*	*	610	28	*	124	48	*	8	24	185
Fire and flames	520†	*	12	*	*	*	0	*	279	*	26	90	27	*	17	8	38
Machinery	200†	*	*	*	*	*	*	*	121	6	*	11	19	*	13	6	7
SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM	4,280†	48	73	69	50	18	*	6	2,439	61	88	690	283	30	146	80	195
ASSAULT	2,430†	54	29	55	33	10	*	*	1,330	27	102	326	135	6	41	47	234
INJURIES OF UNDETERMINED INTENT	450†	*	6	*	9	*	*	*	269	6	7	47	35	*	20	7	32
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	39,202	239	636	407	412	125	32	101	22,879	1,031	490	6,010	2,862	238	1,233	964	1,543
Misadventures to patients	380†	*	8	8	8	*	*	*	177	12	9	67	32	*	13	23	12
Surgical and medical procedures as the cause of adverse reaction	32,635	190	529	288	344	102	27	90	19,567	801	392	4,764	2,356	194	1,022	667	1,302

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, 2023**

Intent/mechanism of injury	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
UNINTENTIONAL INJURIES	460,415	3,995	11,608	7,363	5,624	3,722	424	1,565	250,597	17,138	8,017	59,509	30,785	2,024	18,000	14,179	25,865
Falls	173,743	1,376	4,861	2,879	2,123	1,176	177	640	89,354	7,237	3,000	22,668	13,024	793	7,784	6,771	9,880
Transport accidents	71,212	477	1,303	1,095	586	462	54	178	41,669	2,121	1,087	8,910	4,395	283	2,231	1,691	4,670
Struck against or struck accidentally by objects or person	51,312	470	1,436	833	631	433	53	172	28,795	1,770	802	6,783	3,366	217	1,767	1,266	2,518
Overexertion	34,661	403	1,110	575	501	412	36	133	18,525	1,415	579	4,308	2,191	191	1,415	1,115	1,752
Cutting or piercing instruments or objects	24,928	293	866	555	309	311	25	102	13,150	1,142	461	3,020	1,444	117	1,278	530	1,325
Natural and environmental factors	61,043	462	746	711	905	514	49	172	35,004	1,935	1,369	7,964	3,596	249	1,840	1,827	3,700
Exposure to excessive natural heat	2,630†	*	21	15	9	10	0	24	1,508	138	10	134	229	*	32	125	364
Fire and flames	2,300†	36	52	37	34	24	*	14	1,332	80	44	281	140	8	73	46	98
Machinery	2,160†	19	66	32	25	28	*	22	1,071	90	57	290	159	12	130	65	95
Pedal cycle, nontraffic and other	5,770†	23	103	131	54	24	*	18	3,163	172	60	728	327	17	256	120	574
Motor vehicle, nontraffic	470†	6	14	16	*	9	*	*	231	22	9	51	20	*	31	18	38
Firearm missile	980†	12	28	13	13	8	0	*	552	34	14	144	55	*	24	22	59
Drowning/submersion	60†	0	*	*	0	*	0	*	24	*	*	9	0	0	*	*	8
SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM	6,100	52	99	195	73	37	14	9	3,409	178	137	689	471	21	222	153	341
ASSAULT	17,646	247	277	526	215	119	9	50	9,530	540	588	2,422	961	53	386	439	1,284
INJURIES OF UNDETERMINED INTENT	1,440†	131	10	17	9	*	0	*	825	17	24	127	106	*	30	30	110
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	13,885	87	103	114	163	38	10	54	8,340	684	262	1,479	1,075	74	446	460	496
Misadventures to patients	470†	*	*	*	*	0	*	*	214	7	10	133	18	30	27	*	11
Surgical and medical procedures as the cause of adverse reaction	9,117	68	66	71	121	27	8	41	5,352	583	203	840	694	19	291	383	350

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, 1970-2012

- 8A. NUMBER OF BIRTHS AND BIRTH RATES BY YEAR
AND COUNTY OF RESIDENCE, ARIZONA,
1970-2012**
- 8B. NUMBER OF DEATHS AND DEATH RATES BY YEAR
AND COUNTY OF RESIDENCE, ARIZONA,
1970-2012**
- 8C. NUMBER OF INFANT DEATHS AND INFANT
MORTALITY RATES BY YEAR AND COUNTY
OF RESIDENCE, ARIZONA, 1970-2012**
- 8D. NUMBER OF MARRIAGES AND MARRIAGE RATES BY
YEAR AND COUNTY OF OCCURRENCE, ARIZONA,
1970-2012**
- 8E. NUMBER OF DISSOLUTIONS OF MARRIAGE AND
DISSOLUTION OF MARRIAGE RATES BY YEAR AND
COUNTY OF OCCURRENCE, ARIZONA, 1970-2012**

TABLE 8A-1
NUMBER OF BIRTHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1970-2012

<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	236	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	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	234	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	215	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	198	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	214	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	217	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	162	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	184	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	169	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	221	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	222	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	191	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	152	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	200	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	169	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	135	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	184	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	185	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	230	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	216	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	230	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	245	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	229	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	230	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	246	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	174	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	200	54,236	2,022	1,737	12,169	4,990	693	1,817	3,229
2011	85,190	1,071	1,664	1,771	620	606	119	172	53,361	1,962	1,642	11,874	4,607	694	1,829	3,198
2012	85,725	930	1,704	1,689	609	525	114	204	54,475	1,736	1,633	11,876	4,656	671	1,782	3,121

Notes: ^a Included in Yuma County prior to 1983; The number of births by county of residence for 2013-2023 are in Table 5B-3.

TABLE 8A-2
BIRTH RATES^a BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1970-2012

<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	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	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	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	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	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	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	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	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	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	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	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	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	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	17.3	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
2011	12.7	13.2	14.9	12.7	13.2	11.6	16.1	14.2	8.3	13.9	9.8	15.3	12.0	12.0	14.4	8.7	16.0
2012	12.6	13.2	12.9	13.0	12.6	11.4	14.1	13.3	9.8	14.0	8.5	15.1	12.0	12.0	13.8	8.4	15.2

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 2013-2023 are in Table 5B-2.

TABLE 8B-1
NUMBER OF DEATHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1970-2012

<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
1971	15,671	312	476	297	332	153	72		8,218	279	405	3,265	625	97	573	567
1972	15,809	300	538	292	290	142	64		8,289	291	359	3,345	629	118	606	546
1973	16,844	377	499	310	303	166	81		8,939	353	383	3,459	661	134	627	552
1974	17,031	320	517	302	330	177	84		9,240	355	355	3,508	608	113	566	556
1975	16,964	316	512	278	284	174	74		9,147	406	355	3,511	579	120	647	561
1976	17,302	335	503	285	336	133	66		9,429	421	494	3,489	628	127	631	522
1977	17,993	325	545	320	334	157	61		9,972	435	379	3,479	638	123	668	557
1978	19,097	355	534	306	340	150	56		10,614	491	365	3,708	692	117	732	637
1979	19,648	314	595	319	377	174	60		10,919	442	437	3,832	708	135	724	612
1980	21,226	302	631	309	330	171	86		11,769	549	415	4,311	731	121	801	700
1981	21,318	302	628	308	337	184	52		11,923	548	415	4,253	745	125	813	685
1982	21,951	317	644	339	417	164	73		12,214	612	400	4,279	741	135	878	738
1983	22,482	294	712	320	385	194	61	140	12,433	593	406	4,506	782	131	961	574
1984	23,785	306	664	341	396	175	66	154	13,398	607	428	4,734	814	150	964	588
1985	24,577	330	687	379	381	169	47	136	13,661	753	460	4,865	785	148	1,057	719
1986	25,409	335	662	383	399	189	50	128	14,106	795	484	5,090	942	147	1,032	667
1987	26,670	343	764	392	408	193	67	151	14,746	877	462	5,295	922	159	1,213	678
1988	27,511	329	748	404	413	197	64	157	15,217	972	471	5,362	1,019	193	1,217	748
1989	27,838	344	748	386	426	216	49	144	15,495	995	506	5,324	1,066	172	1,254	713
1990	28,471	391	797	397	462	220	58	132	15,805	1,070	521	5,571	1,004	139	1,218	686
1991	29,173	389	801	413	491	228	64	169	16,048	1,112	465	5,738	1,051	181	1,293	730
1992	30,814	406	806	439	488	237	47	171	17,085	1,183	556	5,952	1,059	167	1,410	723
1993	33,295	397	885	465	537	217	78	142	18,310	1,330	628	6,398	1,088	199	1,491	846
1994	34,282	369	836	451	500	229	50	159	19,001	1,390	598	6,648	1,220	187	1,520	820
1995	35,428	380	919	526	586	259	65	186	19,340	1,464	580	6,689	1,323	188	1,693	888
1996	36,579	459	936	474	540	274	59	183	20,339	1,441	658	6,876	1,275	180	1,661	863
1997	37,151	390	977	464	580	234	59	170	20,327	1,639	658	6,995	1,345	213	1,804	913
1998	38,395	418	1,027	542	624	269	67	207	21,041	1,807	611	6,993	1,452	215	1,876	922
1999	39,673	436	1,005	486	636	290	67	165	22,348	1,752	682	7,229	1,426	197	1,899	928
2000	40,202	453	1,067	501	578	244	73	185	22,600	1,917	656	7,329	1,541	204	1,897	946
2001	40,851	479	1,087	548	637	256	45	171	22,790	1,915	677	7,460	1,513	203	1,927	1,004
2002	42,320	448	1,078	592	658	262	63	217	23,490	2,047	692	7,691	1,672	237	2,036	1,122
2003	42,830	509	1,126	620	638	265	55	183	23,549	2,151	813	7,719	1,684	215	2,149	1,133
2004	42,736	521	1,099	592	647	274	46	225	23,533	2,253	775	7,625	1,673	225	2,089	1,137
2005	45,115	499	1,116	632	690	282	62	181	24,902	2,345	802	7,948	1,886	257	2,263	1,246
2006	45,415	454	1,140	619	627	295	65	200	25,176	2,354	860	7,885	1,948	238	2,386	1,164
2007	44,640	522	1,093	621	666	282	63	204	24,417	2,153	888	7,899	2,033	263	2,342	1,180
2008	45,128	510	1,185	675	718	294	52	200	24,304	2,461	793	8,075	2,023	252	2,373	1,105
2009	45,065	530	1,122	676	646	271	50	227	24,349	2,260	825	8,065	1,994	284	2,303	1,306
2010	45,871	544	1,218	678	661	302	55	200	24,438	2,368	819	8,163	2,258	262	2,436	1,279
2011	47,547	584	1,183	722	682	245	71	186	25,467	2,424	899	8,392	2,380	247	2,496	1,350
2012	48,459	471	1,204	707	655	300	64	225	25,785	2,482	897	8,713	2,440	303	2,616	1,386

Notes: ^a Included in Yuma County prior to 1983; The number of deaths by county of residence for 2013-2023 are in Table 5E-1.

TABLE 8B-2
DEATH RATES^a BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1970-2012

<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	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	8.0	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	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	7.1	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	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	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	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	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	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	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	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	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	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	10.8	7.6	9.9	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	7.7	9.3	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	7.6	10.4	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	7.4	10.3	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	7.4	11.1	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	7.4	11.9	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	7.2	11.9	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	7.4	11.4	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	7.4	11.2	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	7.6	11.2	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	8.0	12.6	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	8.1	12.3	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	8.0	11.6	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	7.7	11.3	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	7.6	12.4	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	7.5	13.1	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	7.7	11.7	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	7.4	12.4	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	7.1	11.8	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	7.1	12.3	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	7.0	12.6	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	6.7	12.5	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	6.8	12.5	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	6.7	12.1	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	6.3	10.7	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	6.2	12.0	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	6.1	11.1	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	6.4	11.8	7.6	8.3	6.0	5.5	11.5	6.5
2011	8.0	7.4	8.1	9.1	5.4	12.7	6.5	8.5	9.0	6.6	12.1	8.4	8.5	6.2	5.1	11.8	6.7
2012	8.1	7.5	6.5	9.2	5.3	12.2	8.0	7.4	10.8	6.6	12.2	8.3	8.8	6.3	6.2	12.4	6.8

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 2013-2023 are in Table 5E-4.

TABLE 8C-1
NUMBER OF INFANT MORTALITY BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1970-2012

<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	670†	36	19	39	11	9	9		305	*	43	120	36	*	8	27
1971	710†	25	22	34	25	*	6		330	10	53	113	39	*	11	37
1972	630†	34	26	35	17	*	*		282	*	30	117	35	*	16	19
1973	590†	40	28	25	11	*	*		285	*	32	86	32	9	12	16
1974	590†	30	24	35	14	7	*		316	7	37	79	22	*	*	15
1975	590†	27	24	32	11	8	7		289	6	33	81	31	*	8	25
1976	610†	26	27	28	17	9	*		285	11	40	95	31	*	9	29
1977	560†	21	18	32	11	9	*		282	11	36	68	28	*	19	18
1978	560†	29	21	22	9	7	0		307	11	27	72	20	*	12	23
1979	640†	33	25	34	10	*	*		344	8	32	83	23	*	11	21
1980	620†	23	19	20	12	8	*		358	18	27	72	17	*	11	26
1981	600†	25	22	20	*	14	*		333	8	29	84	17	*	15	22
1982	490†	21	14	16	13	*	*		265	11	18	76	19	*	10	16
1983	510†	20	20	22	*	*	0	8	266	9	23	88	17	*	11	14
1984	530†	25	23	16	*	7	*	*	272	8	18	96	27	*	11	12
1985	570†	22	15	21	*	*	*	6	319	7	26	94	18	*	9	19
1986	570†	16	8	18	8	*	*	0	340	11	12	94	27	*	13	12
1987	600†	16	11	15	*	*	0	*	368	10	31	84	19	7	11	18
1988	630†	10	14	22	7	*	*	*	382	15	21	104	15	7	13	16
1989	610†	13	12	18	*	*	0	*	362	23	31	81	23	8	12	20
1990	600†	15	13	22	*	*	0	*	359	17	23	93	17	8	8	17
1991	580†	14	17	19	14	*	0	*	333	9	14	98	21	*	18	14
1992	570†	19	10	14	7	*	0	0	342	16	23	89	17	*	9	14
1993	530†	15	16	19	*	*	*	*	317	13	13	80	11	*	11	15
1994	560†	13	15	14	6	*	*	*	333	13	13	88	22	*	10	14
1995	550†	14	22	10	*	*	*	*	324	14	18	88	15	*	12	14
1996	580†	7	13	17	6	8	*	0	361	20	17	74	12	*	13	17
1997	540†	8	10	17	7	*	0	*	345	17	12	70	21	*	8	9
1998	590†	10	13	17	*	*	*	*	358	19	21	75	22	*	18	21
1999	550†	11	12	*	6	*	*	*	366	14	15	64	18	*	8	18
2000	570†	16	11	16	6	*	0	*	356	16	11	76	25	*	12	16
2001	590†	8	12	6	*	*	*	*	371	12	10	92	21	*	14	25
2002	550†	6	13	13	8	6	*	*	361	9	7	90	16	*	9	8
2003	590†	6	19	11	6	*	0	*	369	21	15	84	19	*	8	23
2004	620†	12	13	14	6	*	*	*	396	16	12	99	20	7	6	17
2005	650†	14	19	14	7	*	*	*	383	27	17	109	30	*	10	14
2006	640†	6	17	10	*	*	0	*	406	18	9	100	29	*	19	18
2007	700†	6	16	13	10	7	0	*	422	17	22	100	39	*	19	24
2008	630†	13	11	11	*	6	*	*	382	8	17	97	33	*	9	26
2009	550†	11	10	6	*	*	0	*	329	12	9	81	39	*	15	20
2010	520†	7	15	15	7	*	*	*	312	11	9	74	20	11	10	20
2011	500†	9	9	7	7	*	*	*	310	18	14	57	26	*	7	27
2012	500†	*	9	9	*	*	0	*	323	*	14	59	26	6	10	18

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 2013-2023 are in Table 5E-16.

TABLE 8C-2
INFANT MORTALITY RATES^a BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1970-2012

<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	8.7	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
2011	6.0	5.9	8.4	5.4	4.0	11.3	**	**	**	5.8	9.2	8.5	4.8	5.6	**	3.8	8.4
2012	5.9	5.8	**	5.3	5.3	**	**	0.0	**	5.9	**	8.6	5.0	5.6	8.9	5.6	5.8

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 2013-2023 are in Table 5E-17.

TABLE 8D-1
NUMBER OF MARRIAGES BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2012

<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	103	17,431	491	496	6,046	857	289	726	1,897
1984	33,311	192	961	624	411	261	63	98	19,408	531	517	6,282	920	325	743	1,975
1985	35,723	181	992	656	403	284	53	186	21,860	698	548	5,692	923	350	887	2,010
1986	36,025	217	981	855	418	327	53	193	21,340	788	504	6,325	847	356	889	1,932
1987	36,207	195	878	940	419	275	59	145	21,003	1,056	486	6,677	895	311	879	1,989
1988	35,661	192	887	976	378	277	56	186	20,610	1,456	591	6,088	872	329	789	1,974
1989	35,738	265	829	958	420	292	36	140	20,518	1,764	536	6,095	738	356	762	2,028
1990	36,842	279	846	982	439	282	46	235	20,957	2,122	576	6,128	837	355	786	2,872
1991	36,682	245	590	946	414	264	68	181	21,038	2,604	478	6,188	725	293	793	1,855
1992	37,102	229	917	1,026	489	335	59	198	19,458	3,399	512	6,415	794	327	882	2,062
1993	39,650	275	1,015	985	392	278	61	186	19,909	5,367	659	6,294	919	315	960	2,035
1994	39,173	278	1,018	1,053	486	317	63	180	19,861	4,602	690	6,522	921	346	1,034	1,902
1995	40,030	277	1,020	1,014	422	322	62	132	21,021	4,659	540	6,383	986	278	966	1,948
1996	39,611	266	1,017	1,064	460	329	75	188	20,651	3,878	640	6,777	1,097	312	1,067	1,790
1997	41,426	274	1,024	1,089	428	384	64	173	22,032	3,402	643	7,612	1,114	343	1,073	1,771
1998	37,806	280	1,004	964	414	257	71	174	20,636	3,279	580	6,097	1,140	258	1,052	1,600
1999	41,174	290	1,013	946	413	244	58	150	24,223	3,186	605	6,312	1,080	340	734	1,580
2000	39,624	284	1,063	1,095	417	333	46	170	22,910	2,312	505	6,360	1,082	296	1,097	1,654
2001	39,978	282	1,010	994	388	254	58	167	23,032	2,013	554	6,508	1,134	311	1,604	1,669
2002	36,668	228	987	1,003	379	244	42	175	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	425	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	962	263	1,344	1,511
2005	38,308	303	991	1,070	360	272	39	144	23,361	1,619	428	5,210	1,089	313	1,567	1,542
2006	38,983	317	971	1,002	339	291	32	174	23,379	1,676	519	5,786	1,279	296	1,466	1,456
2007	39,495	325	967	1,026	358	331	25	147	23,964	1,524	517	5,705	1,365	324	1,463	1,454
2008	38,030	252	836	985	344	314	60	174	23,183	1,364	491	5,620	1,381	253	1,341	1,432
2009	35,338	239	963	994	286	313	46	76	21,347	1,186	523	5,392	1,277	201	1,144	1,351
2010	38,076	219	956	915	317	286	33	135	23,127	1,304	579	5,972	1,373	314	1,237	1,309
2011	36,713	229	859	879	289	211	51	117	22,748	1,242	464	5,591	1,318	207	1,263	1,245
2012	37,064	203	709	983	288	304	51	120	23,552	1,309	492	5,291	1,216	161	1,284	1,101

Notes: ^a Included in Yuma County prior to 1983; The number of marriages by county of occurrence for 2013-2023 are in Table 5G-1.

TABLE 8D-2
MARRIAGE RATES^a BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2012

Year	U.S.	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz^b	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1970	10.6	10.8	3.2	11.0	11.6	13.4	12.5	10.0		10.5	4.7	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	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	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	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	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	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	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	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	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	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	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	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	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	7.9	10.7	8.2	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	7.3	11.2	8.1	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	12.1	9.6	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	4.4	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
2011	6.8	5.7	3.2	6.6	6.6	5.4	5.6	6.1	5.6	5.9	6.2	4.3	5.7	3.4	4.3	6.0	6.2
2012	6.8	5.7	2.8	5.4	7.3	5.4	8.1	5.9	5.7	6.1	6.4	4.6	5.3	3.1	3.3	6.1	5.4

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 2013-2023 are in Table 5G-2.

TABLE 8E-1
NUMBER OF DISSOLUTIONS OF MARRIAGE BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2012

<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	2,703	449	42	216	477
1971	14,397	37	420	322	242	109	65		8,798	134	136	3,156	340	54	209	375
1972	13,197	52	357	345	232	86	49		7,749	180	172	2,681	497	56	232	510
1973	14,036	34	353	377	176	110	58		8,219	234	184	3,188	385	64	260	434
1974	16,926	63	607	347	252	134	75		9,800	295	172	3,615	517	91	389	579
1975	17,577	35	657	380	315	192	84		9,826	342	224	3,772	531	73	351	795
1976	19,029	58	716	375	278	164	76		11,051	426	232	3,880	461	92	423	797
1977	16,578	50	575	409	217	134	55		9,415	337	219	3,245	441	97	576	808
1978	17,320	97	705	384	193	123	67		9,938	388	229	3,422	504	73	475	722
1979	19,982	101	708	433	243	164	51		11,730	443	273	3,834	643	113	466	780
1980	19,908	82	666	432	259	157	52		11,187	457	212	4,141	744	106	543	820
1981	20,819	85	628	489	281	193	53		11,871	494	234	4,336	696	76	550	833
1982	20,259	91	627	416	256	181	61		11,656	498	249	3,936	666	131	603	888
1983	19,875	83	634	378	253	146	52	94	11,338	531	246	3,811	672	116	645	876
1984	20,009	97	701	429	289	152	32	76	11,626	482	273	3,747	699	97	629	680
1985	21,157	110	669	578	239	203	35	77	12,626	563	258	3,911	622	84	523	659
1986	23,062	136	802	458	235	133	19	74	14,409	558	360	3,992	644	92	544	606
1987	23,760	88	713	520	233	167	39	64	15,185	519	236	4,086	618	108	619	564
1988	24,928	68	691	471	260	141	38	93	16,400	535	269	3,923	673	129	611	610
1989	23,153	81	750	635	222	139	33	48	14,309	616	206	3,858	678	127	720	731
1990	25,088	84	845	579	225	183	41	62	16,267	647	221	4,079	661	120	696	378
1991	24,988	79	725	468	231	157	41	63	15,793	787	277	4,180	673	120	758	636
1992	26,157	100	816	348	238	179	62	68	16,480	730	325	4,234	722	142	699	1,014
1993	24,198	70	838	441	330	174	62	51	14,406	893	290	4,080	731	149	968	715
1994	25,095	99	827	324	244	179	41	63	15,431	795	281	4,274	705	134	974	724
1995	27,604	74	928	257	249	145	62	41	17,992	728	292	4,107	779	126	953	871
1996	26,483	118	609	377	292	177	47	76	16,588	953	385	4,226	770	116	1,023	726
1997	26,363	127	763	360	267	164	37	62	16,380	899	361	4,156	790	139	1,081	777
1998	23,130	99	721	493	233	136	66	68	13,540	883	210	4,007	819	104	1,058	693
1999	22,080	71	726	492	277	161	54	62	13,216	790	265	3,952	699	124	481	710
2000	23,440	105	687	308	254	162	58	80	13,744	852	334	3,987	877	113	611	1,268
2001	24,064	125	624	334	218	136	53	63	15,278	881	366	4,038	714	117	611	506
2002	26,176	88	580	408	223	142	68	70	17,563	894	303	3,853	717	124	597	546
2003	24,269	82	584	342	199	139	46	62	15,371	850	253	3,965	708	141	788	739
2004	24,403	61	623	410	200	140	46	50	15,878	744	295	3,857	589	139	909	462
2005	24,910	81	639	366	212	208	40	78	15,805	876	345	3,911	632	130	999	588
2006	24,274	90	534	325	202	150	51	61	15,771	824	309	3,647	651	158	810	691
2007	24,515	70	490	268	184	152	50	85	15,859	851	310	3,854	822	135	742	643
2008	24,106	60	531	242	196	157	52	45	15,263	812	315	3,910	888	139	826	670
2009	23,140	45	566	260	188	167	54	9	14,088	715	303	3,949	1,051	118	903	724
2010	22,479	72	645	527	208	191	45	43	13,215	519	163	3,988	1,103	132	905	723
2011	25,438	69	589	392	159	134	39	37	16,108	653	243	4,175	1,102	110	901	727
2012	28,072	57	580	419	172	185	43	31	19,047	616	245	3,917	848	84	1,027	801

Notes: ^a Included in Yuma County prior to 1983; The number of dissolutions of marriage by county of occurrence for 2013-2023 are in Table 5G-4.

TABLE 8E-2
DISSOLUTIONS OF MARRIAGE RATES^a BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1970-2012

Year	U.S.	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz^b	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
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
2011	3.6	4.0	1.0	4.5	2.9	3.0	3.6	4.7	1.8	4.2	3.3	2.3	4.2	2.9	2.3	4.3	3.6
2012	3.4	4.3	0.8	4.4	3.1	3.2	5.0	5.0	1.5	4.9	3.0	2.3	4.0	2.2	1.7	4.9	3.9

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 2013-2023 are in Table 5G-5.



Part III:

THE COMMUNITIES

CHAPTER 9

COMMUNITY STATISTICAL AREAS

- 9A. SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY COMMUNITY STATISTICAL AREA, ARIZONA, 2023**
- 9B. NUMBER OF DEATHS BY AGE GROUP AND COMMUNITY STATISTICAL AREA, ARIZONA, 2023**
- 9C. NUMBER OF DEATHS FROM SELECTED CAUSES BY COMMUNITY STATISTICAL AREA, ARIZONA, 2023**

9A

SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY COMMUNITY STATISTICAL AREA, ARIZONA, 2023

TABLE 9A
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY COMMUNITY STATISTICAL AREA,
ARIZONA, 2023

	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	77,881	3,470†	55,610†	1,840†	36,790†	6,280†	35,410†
AJO	30†	*	25	0	21	*	17
ANTHEM	130†	*	102	0	27	7	34
APACHE JUNCTION	495	29	346	10	257	52	257
ARIZONA CITY	190†	11	138	*	103	13	100
AVONDALE / TOLLESON	1,424	63	991	32	829	132	795
AVRA VALLEY / PICTURE ROCKS	150†	7	104	*	72	14	72
BENSON	100†	8	72	*	49	*	31
BUCKEYE	1,826	69	1,347	41	846	131	768
BULLHEAD CITY	299	20	205	10	205	27	198
CAMP VERDE	180†	19	138	*	104	11	99
CASA GRANDE	911	58	684	23	526	48	489
CASAS ADOBES	640†	16	507	*	188	52	194
CATALINA FOOTHILLS	250†	*	176	7	48	20	55
CHANDLER - CENTRAL	1,431	39	1,106	16	490	103	543
CHANDLER - NORTH	823	17	631	8	214	52	284
CHANDLER - SOUTH	500†	9	398	*	81	32	103
CHINO VALLEY	140†	7	115	*	63	13	59
COLORADO CITY	182	9	127	0	15	10	102
COLORADO RIVER INDIAN TRIBES	30†	*	16	*	31	*	25
COOLIDGE	340†	20	238	*	220	33	206
CORONA DE TUCSON	120†	*	89	*	36	11	35
COTTONWOOD	290†	17	221	*	146	23	144
DEWEY / HUMBOLDT	150†	8	112	*	84	9	66
DONEY PARK	110†	*	88	*	30	6	28
DOUGLAS	335	23	109	24	219	22	196
DREXEL HEIGHTS	283	19	181	13	184	20	172
EL MIRAGE	545	28	381	11	323	48	281
ELOY	160	15	123	6	129	10	112
FLAGSTAFF	590†	31	446	*	248	44	238
FLORENCE	280†	13	209	*	124	19	120
FLOWING WELLS	187	8	115	12	140	18	111
FORT MCDOWELL YAVAPAI NATION	20†	*	11	*	*	*	14
FORT MOHAVE	190†	12	136	*	109	13	98
FORTUNA FOOTHILLS	292	11	205	11	131	24	99
FOUNTAIN HILLS	100†	*	81	0	20	8	26
GILA RIVER INDIAN COMMUNITY	180†	27	110	*	155	16	153
GILBERT - NORTHEAST	1,100†	16	855	*	212	72	267
GILBERT - NORTHWEST	1,110†	15	853	*	238	70	280
GILBERT - SOUTH	720†	14	579	*	130	49	131
GLENDALE - CENTRAL	1,497	105	989	56	1,053	138	957
GLENDALE - NORTH	829	29	639	21	342	48	290
GLENDALE - WEST	1,337	65	989	24	667	116	658
GLOBE	170†	19	110	*	98	14	110
GOLD CANYON	60†	0	45	*	18	7	24
GOODYEAR	1,144	42	889	15	455	82	462
GREEN VALLEY	40†	*	29	*	20	*	24
HOPI TRIBE	90†	*	56	*	67	9	68
HUALAPAI TRIBE	20†	*	9	*	16	*	13
KACHINA VILLAGE	100†	*	67	*	28	11	20
KINGMAN	409	23	339	6	238	20	216
LAKE HAVASU CITY	392	26	302	8	231	31	197
LITCHFIELD PARK / CITRUS PARK	170†	*	134	*	49	11	50
MARANA	616	10	482	7	144	35	147
MARICOPA	943	35	719	13	389	66	391
MESA - CENTRAL	1,159	67	772	28	589	94	575
MESA - EAST	853	29	589	10	349	60	335
MESA - GATEWAY	1,207	22	932	7	261	73	310
MESA - NORTH	863	25	638	13	272	64	290
MESA - SOUTHWEST	986	44	686	25	513	62	503
MESA - WEST	1,156	58	733	37	598	97	590
MORENCI	100†	7	67	*	25	*	39
NAVAJO NATION	1,018	71	613	28	910	78	802
NEW KINGMAN / BUTLER	200†	12	144	*	130	18	106
NEW RIVER / CAREFREE	170†	*	133	*	34	13	35
NOGALES	277	22	123	35	187	17	148
ORO VALLEY	300†	6	221	*	78	17	79
PAGE	120†	10	82	*	67	9	66
PARADISE VALLEY	50†	0	40	*	*	*	6
PARKER	123	9	71	11	92	11	78

TABLE 9A (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY COMMUNITY STATISTICAL AREA,
ARIZONA, 2023

	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
PASCUA YAQUI TRIBE	50†	7	29	*	51	*	43
PAULDEN	120†	*	94	*	69	6	51
PAYSON	180†	10	113	*	101	15	84
PEORIA - CENTRAL	576	14	463	8	182	52	200
PEORIA - NORTH	730	7	607	6	131	50	151
PEORIA - SOUTH	742	32	570	14	420	69	388
PHOENIX - AHWATUKEE FOOTHILLS	611	6	493	6	146	43	210
PHOENIX - ALHAMBRA	2,020	139	1,257	67	1,348	191	1,165
PHOENIX - CAMELBACK EAST	1,604	48	1,179	24	636	129	643
PHOENIX - CENTRAL CITY	852	60	532	46	593	91	566
PHOENIX - DEER VALLEY	2,066	53	1,587	41	758	170	800
PHOENIX - DESERT VIEW	570†	*	491	*	44	42	80
PHOENIX - ENCANTO	783	39	521	23	382	70	441
PHOENIX - ESTRELLA	1,615	94	1,127	44	1,037	149	924
PHOENIX - LAWEEN	1,035	50	792	12	504	90	514
PHOENIX - MARYVALE EAST	2,768	219	1,879	82	2,081	233	1,825
PHOENIX - MARYVALE WEST	949	53	668	19	600	86	574
PHOENIX - NORTH MOUNTAIN	2,022	91	1,374	58	1,129	169	1,083
PHOENIX - PARADISE VALLEY	1,787	54	1,395	34	450	145	587
PHOENIX - RIO VISTA / NORTH GATEWAY	320†	*	254	0	49	20	61
PHOENIX - SOUTH MOUNTAIN / GUADALUPE	2,015	124	1,452	45	1,229	200	1,233
PRESCOTT	240†	9	198	*	104	20	78
PRESCOTT VALLEY	501	28	418	6	259	48	203
QUEEN CREEK	700†	10	546	*	114	49	122
RIO RICO	325	17	179	18	187	15	160
SADDLEBROOKE / ORACLE	130†	14	94	*	69	11	69
SAFFORD	410†	26	284	*	177	25	175
SAHUARITA	380†	*	274	6	100	28	105
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY	93	6	55	7	67	13	76
SAN CARLOS APACHE TRIBE	146	14	64	11	124	12	115
SAN LUIS	641	45	301	65	471	51	288
SAN TAN VALLEY	1,812	46	1,410	7	550	145	557
SCOTTSDALE - CENTRAL	490†	*	405	*	42	36	79
SCOTTSDALE - NORTH	410†	*	352	*	34	31	66
SCOTTSDALE - SOUTH	648	13	497	13	131	45	196
SEDONA	60†	*	41	*	21	*	27
SHOW LOW	300†	17	227	*	185	30	130
SIERRA VISTA	505	21	319	12	192	47	185
SIERRA VISTA SOUTHEAST	169	13	89	11	94	14	80
SNOWFLAKE	244	14	181	6	126	23	77
SOMERTON	270	13	154	18	192	15	146
SPRINGERVILLE / EAGAR	200†	9	128	*	121	22	92
SUN CITY	90†	*	71	*	34	8	34
SUN CITY WEST	0†	0	*	0	0	0	0
SUN LAKES	10†	0	*	0	*	0	*
SURPRISE	1,689	43	1,265	23	541	147	582
TANQUE VERDE	70†	*	45	*	29	9	27
TEMPE - NORTH	721	23	509	28	337	88	375
TEMPE - SOUTH	802	31	625	15	276	63	339
TOHONO O'ODHAM NATION	100†	9	44	7	76	*	82
TUCSON - CENTRAL	635	24	420	23	334	57	316
TUCSON - EAST	527	23	362	11	242	49	248
TUCSON - FOOTHILLS	1,214	55	802	53	642	121	585
TUCSON - NORTH	1,047	48	662	47	630	99	595
TUCSON - SOUTH	1,765	140	1,092	83	1,252	152	1,130
TUCSON - SOUTHEAST	728	25	507	19	267	66	256
TUCSON ESTATES	100†	*	76	*	64	11	50
TUCSON MOUNTAINS	50†	0	36	0	11	*	12
VAIL	240†	6	181	*	95	23	91
VALENCIA WEST	320	15	225	8	153	27	163
WHITE MOUNTAIN APACHE TRIBE	181	21	98	7	164	14	126
WICKENBURG	138	10	82	6	75	14	67
WILLCOX	110†	*	49	6	63	11	53
WILLIAMS	100†	*	67	*	48	14	44
WILLIAMSON	90†	*	70	0	34	6	37
WINSLOW	190†	15	134	*	139	6	119
YUMA	1,578	89	1,011	64	905	114	747
UNKNOWN	123	11	67	9	104	10	87

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 COMMUNITY STATISTICAL AREA, ARIZONA, 2023

TABLE 9B
NUMBER OF DEATHS BY AGE GROUP AND COMMUNITY STATISTICAL AREA, ARIZONA, 2023

	Total	Age group					
		Infants <1	Children 1-14	Adole- scents 15-19	Young adults 20-44	Middle- aged adults 45-64	Elderly 65+
TOTAL STATE	69,005	430†	270†	340†	5,000†	11,500†	51,480†
AJO	60†	0	0	0	*	9	50
ANTHEM	180†	*	0	*	*	20	154
APACHE JUNCTION	830†	*	0	*	31	129	662
ARIZONA CITY	150†	*	0	0	10	31	110
AVONDALE / TOLLESON	570†	*	*	*	72	130	357
AVRA VALLEY / PICTURE ROCKS	210†	0	0	*	9	44	155
BENSON	190†	*	*	*	17	23	150
BUCKEYE	840†	11	*	6	65	169	588
BULLHEAD CITY	870†	*	*	*	26	157	683
CAMP VERDE	250†	*	0	*	15	43	193
CASA GRANDE	730†	9	*	*	54	122	541
CASAS ADOBES	960†	*	*	*	38	96	816
CATALINA FOOTHILLS	624	0	0	0	16	45	563
CHANDLER - CENTRAL	700†	8	*	*	72	135	480
CHANDLER - NORTH	650†	*	*	7	52	93	488
CHANDLER - SOUTH	510†	*	*	*	12	55	439
CHINO VALLEY	190†	*	0	*	9	19	152
COLORADO CITY	90†	*	0	*	*	17	65
COLORADO RIVER INDIAN TRIBES	40†	0	*	0	6	12	21
COOLIDGE	170†	*	*	0	22	35	104
CORONA DE TUCSON	80†	0	*	*	*	13	56
COTTONWOOD	570†	*	*	0	17	69	482
DEWEY / HUMBOLDT	320†	0	0	*	12	56	254
DONEY PARK	90†	*	0	*	8	17	63
DOUGLAS	220†	0	0	*	11	42	165
DREXEL HEIGHTS	220†	*	0	*	12	46	161
EL MIRAGE	320†	6	*	*	33	65	211
ELOY	140†	*	*	*	9	22	104
FLAGSTAFF	360†	*	*	*	34	71	244
FLORENCE	300†	*	*	*	20	50	226
FLOWING WELLS	200†	0	0	*	9	58	128
FORT MCDOWELL YAVAPAI NATION	10†	0	0	0	8	*	*
FORT MOHAVE	450†	0	*	0	13	82	352
FORTUNA FOOTHILLS	520†	*	0	0	9	60	451
FOUNTAIN HILLS	367	0	0	0	7	28	332
GILA RIVER INDIAN COMMUNITY	180†	*	*	*	43	59	73
GILBERT - NORTHEAST	560†	*	*	*	34	73	444
GILBERT - NORTHWEST	480†	*	*	*	38	83	354
GILBERT - SOUTH	440†	0	*	7	18	54	354
GLENDALE - CENTRAL	910†	8	6	*	100	240	551
GLENDALE - NORTH	930†	8	0	*	63	135	720
GLENDALE - WEST	490†	11	*	*	49	116	303
GLOBE	270†	*	0	0	19	48	199
GOLD CANYON	210†	0	0	0	*	28	174
GOODYEAR	810†	*	6	8	49	111	629
GREEN VALLEY	680†	*	*	0	8	36	629
HOPÍ TRIBE	110†	*	*	*	18	33	55
HUALAPAI TRIBE	20†	0	0	0	10	*	*
KACHINA VILLAGE	100†	0	*	*	9	18	66
KINGMAN	920†	*	0	*	30	168	712
LAKE HAVASU CITY	960†	*	*	*	23	130	803
LITCHFIELD PARK / CITRUS PARK	160†	0	*	0	*	19	132
MARANA	520†	*	*	*	20	66	428
MARICOPA	480†	*	8	*	39	86	336
MESA - CENTRAL	1,100†	9	*	7	57	162	860
MESA - EAST	1,100†	*	*	*	56	159	878
MESA - GATEWAY	700†	*	*	*	38	88	564
MESA - NORTH	1,120†	8	*	6	53	147	903
MESA - SOUTHWEST	500†	8	*	*	64	121	301
MESA - WEST	710†	8	8	*	62	144	484
MORENCI	80	0	0	0	8	17	55
NAVAJO NATION	1,150†	9	*	11	265	274	586
NEW KINGMAN / BUTLER	480†	*	*	*	23	94	358
NEW RIVER / CAREFREE	300†	*	0	*	12	44	245
NOGALES	160†	0	*	0	7	24	132
ORO VALLEY	710†	*	0	0	16	62	629
PAGE	79	0	0	0	12	18	49
PARADISE VALLEY	130†	*	0	0	*	*	121
PARKER	330†	*	*	0	9	58	255

TABLE 9B (continued)
NUMBER OF DEATHS BY AGE GROUP AND COMMUNITY STATISTICAL AREA, ARIZONA, 2023

	Total	Age group					
		Infants <1	Children 1-14	Adolescents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
PASCUA YAQUI TRIBE	50†	*	*	*	6	19	18
PAULDEN	212	0	0	0	11	37	164
PAYSON	500†	0	0	*	14	70	414
PEORIA - CENTRAL	880†	*	*	*	35	91	751
PEORIA - NORTH	620†	*	*	*	25	74	511
PEORIA - SOUTH	540†	6	*	*	46	121	355
PHOENIX - AHWATUKEE FOOTHILLS	550†	*	0	*	39	72	430
PHOENIX - ALHAMBRA	1,165	10	7	11	140	284	713
PHOENIX - CAMELBACK EAST	1,060†	*	*	8	103	221	723
PHOENIX - CENTRAL CITY	510†	9	*	*	88	161	246
PHOENIX - DEER VALLEY	1,380†	8	9	*	132	309	917
PHOENIX - DESERT VIEW	370†	*	0	0	14	56	300
PHOENIX - ENCANTO	440†	*	*	*	54	112	269
PHOENIX - ESTRELLA	440†	7	*	6	99	116	206
PHOENIX - LAVERN	360†	10	*	13	62	73	195
PHOENIX - MARYVALE EAST	898	23	7	14	148	239	467
PHOENIX - MARYVALE WEST	340†	6	*	6	45	85	194
PHOENIX - NORTH MOUNTAIN	1,667	11	11	8	183	380	1,074
PHOENIX - PARADISE VALLEY	1,690†	9	*	*	109	268	1,291
PHOENIX - RIO VISTA / NORTH GATEWAY	150†	0	*	*	11	26	105
PHOENIX - SOUTH MOUNTAIN / GUADALUPE	967	19	9	15	125	241	558
PRESCOTT	910†	*	*	*	22	72	810
PRESCOTT VALLEY	760†	*	0	*	34	92	631
QUEEN CREEK	290†	*	*	*	20	47	219
RIO RICO	179	0	0	0	7	29	143
SADDLEBROOKE / ORACLE	390†	0	0	*	12	32	341
SAFFORD	310†	*	*	0	24	59	223
SAHUARITA	370†	*	0	*	13	26	326
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY	120†	*	*	0	24	27	67
SAN CARLOS APACHE TRIBE	130†	0	0	*	34	40	52
SAN LUIS	140†	*	*	*	13	30	85
SAN TAN VALLEY	701	14	6	6	56	127	492
SCOTTSDALE - CENTRAL	760†	*	*	0	18	58	684
SCOTTSDALE - NORTH	810†	0	*	*	21	74	711
SCOTTSDALE - SOUTH	810†	*	*	*	41	129	635
SEDONA	264	0	0	0	8	19	237
SHOW LOW	420†	*	0	*	19	59	342
SIERRA VISTA	670†	*	*	*	33	106	529
SIERRA VISTA SOUTHEAST	290†	*	*	0	14	52	220
SNOWFLAKE	230†	*	*	*	18	39	171
SOMERTON	120†	*	*	*	9	12	90
SPRINGERVILLE / EAGAR	300†	0	*	*	33	54	209
SUN CITY	1,377	0	0	0	14	84	1,279
SUN CITY WEST	760†	0	0	0	*	25	735
SUN LAKES	400†	0	0	0	*	24	367
SURPRISE	1,643	10	9	10	70	197	1,347
TANQUE VERDE	170†	*	0	0	8	14	149
TEMPE - NORTH	570†	*	*	*	72	102	390
TEMPE - SOUTH	510†	*	0	*	34	82	391
TOHONO O'ODHAM NATION	160†	0	0	*	34	45	77
TUCSON - CENTRAL	640†	*	*	*	47	136	454
TUCSON - EAST	600†	*	*	*	37	91	465
TUCSON - FOOTHILLS	1,770†	6	*	*	93	259	1,404
TUCSON - NORTH	1,040†	*	*	8	109	214	698
TUCSON - SOUTH	1,020†	7	8	*	116	237	647
TUCSON - SOUTHEAST	410†	*	*	*	27	73	299
TUCSON ESTATES	202	0	0	0	7	25	170
TUCSON MOUNTAINS	129	0	0	0	6	12	111
VAIL	250†	0	*	0	13	41	197
VALENCIA WEST	150†	*	0	*	12	22	113
WHITE MOUNTAIN APACHE TRIBE	170†	*	*	*	64	48	50
WICKENBURG	240†	0	*	0	11	37	187
WILLCOX	160†	0	0	0	*	24	128
WILLIAMS	110†	*	0	*	10	24	75
WILLIAMSON	170†	*	0	*	8	19	143
WINSLOW	160†	*	0	0	21	33	109
YUMA	1,070	8	6	6	72	160	818
UNKNOWN	544	0	0	0	132	241	171

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 COMMUNITY STATISTICAL AREA, ARIZONA, 2023

TABLE 9C
NUMBER OF DEATHS FROM SELECTED CAUSES BY COMMUNITY STATISTICAL AREA, ARIZONA, 2023

	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	69,005	19,420†	950†	2,410†	910†	1,300†	530†	1,490†	1,410†	2,710†	1,470†
AJO	60†	13	*	*	0	0	0	0	*	*	*
ANTHEM	180†	54	*	6	*	*	0	*	*	*	*
APACHE JUNCTION	830†	278	11	34	9	16	*	19	18	14	17
ARIZONA CITY	150†	40	*	*	*	*	*	*	*	6	*
AVONDALE / TOLLESON	570†	134	6	21	*	12	9	13	18	35	16
AVRA VALLEY / PICTURE ROCKS	210†	63	*	9	*	7	*	*	*	*	*
BENSON	190†	57	*	*	*	*	*	11	10	6	*
BUCKEYE	842	233	10	34	17	26	12	28	31	31	16
BULLHEAD CITY	870†	250	13	40	*	11	6	9	8	14	21
CAMP VERDE	250†	66	8	8	*	*	0	*	*	8	8
CASA GRANDE	730†	230	7	24	11	18	*	13	17	16	9
CASAS ADOBES	960†	273	17	24	16	9	*	13	10	20	7
CATALINA FOOTHILLS	620†	156	8	21	7	*	0	9	7	8	8
CHANDLER - CENTRAL	700†	204	14	18	12	8	*	23	18	26	28
CHANDLER - NORTH	646	178	15	21	6	6	7	18	15	21	9
CHANDLER - SOUTH	510†	143	7	28	6	*	*	13	9	7	8
CHINO VALLEY	190†	55	*	*	*	*	0	*	*	*	*
COLORADO CITY	90†	14	0	*	*	*	*	6	6	*	*
COLORADO RIVER INDIAN TRIBES	40†	10	0	0	0	*	*	*	*	0	*
COOLIDGE	170†	42	*	7	*	9	*	*	*	7	*
CORONA DE TUCSON	80†	19	*	*	0	*	*	*	*	0	0
COTTONWOOD	570†	147	7	25	13	*	0	16	11	10	13
DEWEY / HUMBOLDT	320†	91	*	15	9	*	0	8	6	10	*
DONEY PARK	90†	19	*	0	0	*	0	*	*	*	*
DOUGLAS	220†	58	*	6	0	*	*	*	0	9	*
DREXEL HEIGHTS	220†	59	*	13	*	*	*	*	*	10	6
EL MIRAGE	320†	78	8	7	*	7	*	*	7	14	6
ELOY	140†	37	*	*	0	*	*	*	*	*	*
FLAGSTAFF	360†	79	6	12	6	6	*	9	*	9	21
FLORENCE	300†	91	*	8	6	8	*	*	*	12	*
FLOWING WELLS	200†	56	*	*	6	*	*	*	*	10	*
FORT MCDOWELL YAVAPAI NATION	10†	*	0	0	0	0	*	*	0	*	*
FORT MOHAVE	450†	144	7	19	*	11	0	7	*	12	11
FORTUNA FOOTHILLS	520†	160	11	24	10	6	0	6	*	7	11
FOUNTAIN HILLS	370†	103	7	13	*	*	0	*	*	*	7
GILA RIVER INDIAN COMMUNITY	180†	31	*	0	*	9	10	*	12	10	16
GILBERT - NORTHEAST	560†	196	*	20	8	6	*	16	11	20	9
GILBERT - NORTHWEST	480†	139	*	16	7	8	*	10	8	11	14
GILBERT - SOUTH	440†	135	6	14	9	6	*	10	8	7	8
GLENDALE - CENTRAL	909	242	8	29	12	19	16	15	24	64	17
GLENDALE - NORTH	930†	299	10	31	7	13	*	16	15	25	13
GLENDALE - WEST	490†	122	8	13	6	19	*	12	10	25	6
GLOBE	270†	86	*	15	*	*	*	10	7	9	*
GOLD CANYON	210†	66	0	9	*	*	*	9	6	6	*
GOODYEAR	810†	247	11	32	12	13	*	16	16	11	14
GREEN VALLEY	680†	215	7	21	12	*	*	18	15	*	*
HOPÍ TRIBE	110†	15	*	0	0	8	*	*	*	*	13
HUALAPAI TRIBE	20†	*	0	*	0	*	0	*	0	*	*
KACHINA VILLAGE	100†	22	*	*	0	6	*	*	*	0	*
KINGMAN	919	260	19	49	14	18	0	23	20	12	13
LAKE HAVASU CITY	960†	324	8	49	13	9	*	23	18	15	20
LITCHFIELD PARK / CITRUS PARK	160†	55	*	8	*	*	0	*	*	*	0
MARANA	520†	140	*	24	*	10	*	13	12	7	8
MARICOPA	480†	122	11	20	*	13	*	8	8	21	11
MESA - CENTRAL	1,099	346	13	41	15	14	8	16	15	41	17
MESA - EAST	1,100†	357	14	33	17	17	*	16	12	39	13
MESA - GATEWAY	700†	220	7	31	9	9	*	12	12	18	7
MESA - NORTH	1,120†	363	13	43	6	22	*	19	16	26	18
MESA - SOUTHWEST	500†	129	9	16	10	13	*	15	14	33	20
MESA - WEST	709	215	7	17	15	8	8	13	20	32	16
MORENCI	80†	24	*	*	0	*	0	*	*	*	*
NAVAJO NATION	1,150	176	19	8	10	74	16	40	19	70	118
NEW KINGMAN / BUTLER	480†	128	*	31	*	10	*	17	16	18	8
NEW RIVER / CAREFREE	300†	93	*	13	*	*	0	14	10	8	*
NOGALES	160†	57	*	*	0	*	*	*	*	*	0
ORO VALLEY	710†	197	9	23	12	*	0	18	12	7	8
PAGE	80†	10	*	*	*	*	0	*	*	*	6
PARADISE VALLEY	130†	36	0	*	0	0	0	8	*	*	*
PARKER	330†	90	*	17	*	*	0	8	6	9	10

TABLE 9C (continued)
NUMBER OF DEATHS FROM SELECTED CAUSES BY COMMUNITY STATISTICAL AREA, ARIZONA, 2023

	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
PASCUA YAQUI TRIBE	50†	9	*	0	*	*	0	0	0	8	*
PAULDEN	210†	59	0	10	*	7	0	10	11	*	*
PAYSON	500†	172	*	17	*	*	0	7	6	12	9
PEORIA - CENTRAL	880†	284	18	36	11	11	*	14	10	18	11
PEORIA - NORTH	620†	204	12	26	9	*	*	11	12	10	8
PEORIA - SOUTH	540†	139	6	20	*	9	*	7	12	22	10
PHOENIX - AHWATUKEE FOOTHILLS	550†	172	10	17	8	*	*	13	8	20	11
PHOENIX - ALHAMBRA	1,165	317	14	30	10	27	24	28	34	94	27
PHOENIX - CAMELBACK EAST	1,064	300	16	30	10	26	15	27	30	62	31
PHOENIX - CENTRAL CITY	510†	128	6	12	*	12	16	11	17	76	15
PHOENIX - DEER VALLEY	1,378	399	17	50	18	26	11	45	34	90	34
PHOENIX - DESERT VIEW	370†	97	*	14	12	*	*	9	*	6	*
PHOENIX - ENCANTO	440†	111	*	14	*	12	*	13	10	39	8
PHOENIX - ESTRELLA	440†	106	*	11	8	16	18	10	20	59	13
PHOENIX - LAWEEN	360†	69	7	14	*	19	10	12	20	29	7
PHOENIX - MARYVALE EAST	898	215	8	25	13	36	24	28	41	81	23
PHOENIX - MARYVALE WEST	340†	93	*	9	*	9	10	7	12	24	*
PHOENIX - NORTH MOUNTAIN	1,667	434	19	61	20	51	13	40	37	111	43
PHOENIX - PARADISE VALLEY	1,685	468	26	69	29	28	10	31	27	59	35
PHOENIX - RIO VISTA / NORTH GATEWAY	150†	38	0	8	*	*	*	6	*	6	*
PHOENIX - SOUTH MOUNTAIN / GUADALUPE	967	261	11	28	14	29	26	20	41	62	26
PRESCOTT	910†	266	13	31	13	*	*	20	18	14	9
PRESCOTT VALLEY	760†	188	13	36	12	7	*	17	17	21	17
QUEEN CREEK	290†	86	*	6	*	*	0	7	*	14	*
RIO RICO	180†	49	*	6	6	*	*	*	*	*	0
SADDLEBROOKE / ORACLE	390†	114	*	18	*	*	0	7	*	7	*
SAFFORD	310†	72	*	14	8	11	*	10	7	8	6
SAHUARITA	370†	100	*	15	6	8	*	6	8	*	*
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY	120†	30	*	*	0	*	*	0	*	*	6
SAN CARLOS APACHE TRIBE	130†	18	0	0	*	*	8	*	8	*	15
SAN LUIS	140†	39	0	*	*	*	*	6	*	6	0
SAN TAN VALLEY	700†	205	9	32	7	21	*	14	13	16	13
SCOTTSDALE - CENTRAL	764	250	19	24	14	10	0	10	6	11	9
SCOTTSDALE - NORTH	810†	274	13	35	22	10	*	19	13	9	10
SCOTTSDALE - SOUTH	810†	213	12	25	11	*	*	14	8	30	24
SEDONA	260†	82	*	8	*	*	*	*	6	*	6
SHOW LOW	420†	129	8	17	6	*	0	11	10	10	9
SIERRA VISTA	670†	196	9	27	9	8	*	20	13	22	11
SIERRA VISTA SOUTHEAST	290†	63	*	11	*	6	*	*	*	*	6
SNOWFLAKE	230†	69	*	*	6	7	*	6	7	6	*
SOMERTON	120†	27	*	*	*	*	*	*	*	6	*
SPRINGERVILLE / EAGAR	300†	80	*	13	*	15	0	10	7	6	11
SUN CITY	1,380†	471	25	63	16	8	*	11	9	15	15
SUN CITY WEST	760†	247	15	20	9	*	*	*	*	6	*
SUN LAKES	400†	135	*	20	*	*	0	*	*	*	*
SURPRISE	1,643	503	35	51	19	15	7	17	17	28	29
TANQUE VERDE	170†	48	*	*	*	*	0	*	*	*	*
TEMPE - NORTH	570†	143	9	17	*	9	7	21	20	30	16
TEMPE - SOUTH	510†	139	9	15	8	9	*	19	16	18	11
TOHONO O'ODHAM NATION	160†	21	*	0	*	14	*	0	*	12	10
TUCSON - CENTRAL	640†	152	7	20	11	*	*	11	12	52	6
TUCSON - EAST	600†	138	15	27	12	15	*	12	12	20	11
TUCSON - FOOTHILLS	1,770†	515	23	64	14	17	*	30	22	71	25
TUCSON - NORTH	1,037	256	15	31	10	20	12	26	22	79	22
TUCSON - SOUTH	1,017	238	15	27	16	31	21	16	27	68	14
TUCSON - SOUTHEAST	410†	114	*	15	8	8	6	6	*	11	*
TUCSON ESTATES	200†	58	*	15	*	*	0	*	*	6	*
TUCSON MOUNTAINS	130†	47	*	*	0	*	0	*	0	*	0
VAIL	250†	71	*	10	*	*	*	6	*	11	*
VALENCIA WEST	150†	36	*	7	0	*	*	*	*	11	*
WHITE MOUNTAIN APACHE TRIBE	170†	30	*	*	*	15	*	11	*	7	33
WICKENBURG	240†	69	*	7	*	*	*	*	*	7	7
WILLCOX	160†	47	*	*	*	*	0	*	*	*	*
WILLIAMS	110†	22	0	*	*	*	*	*	*	*	*
WILLIAMSON	170†	37	*	*	*	8	0	*	*	*	*
WINSLOW	160†	44	*	*	*	6	0	6	*	10	8
YUMA	1,070	321	13	37	8	18	11	22	24	30	30
UNKNOWN	540†	93	*	*	*	26	10	15	14	174	13

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.

CHAPTER 10

POPULATION DENOMINATORS, ARIZONA, 2023

- 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, 2023

		<1	1-14	15-19	20-44	45-64	65+	Total
Arizona	Total	82,535	1,297,780	488,877	2,484,319	1,779,815	1,391,787	7,525,113
	Male	42,157	661,917	249,940	1,276,272	866,235	640,140	3,736,661
	Female	40,378	635,863	238,937	1,208,047	913,580	751,647	3,788,452
Apache	Total	825	13,711	5,019	20,396	15,951	11,020	66,922
	Male	425	6,876	2,477	10,553	7,685	4,991	33,007
	Female	400	6,835	2,542	9,843	8,266	6,029	33,915
Cochise	Total	1,308	20,920	7,801	37,628	29,399	30,249	127,305
	Male	669	10,488	4,159	20,637	14,278	14,434	64,665
	Female	639	10,432	3,642	16,991	15,121	15,815	62,640
Coconino	Total	1,522	23,346	14,554	58,719	31,694	20,887	150,722
	Male	779	11,934	6,788	29,276	15,546	9,923	74,246
	Female	743	11,412	7,766	29,443	16,148	10,964	76,476
Gila	Total	475	8,241	2,642	12,567	13,666	16,209	53,800
	Male	243	4,256	1,363	6,390	6,590	7,910	26,752
	Female	232	3,985	1,279	6,177	7,076	8,299	27,048
Graham	Total	519	8,252	2,945	14,036	8,244	5,660	39,656
	Male	266	4,268	1,536	8,187	4,372	2,602	21,231
	Female	253	3,984	1,409	5,849	3,872	3,058	18,425
Greenlee	Total	127	2,087	605	3,422	2,095	1,335	9,671
	Male	65	1,042	323	1,833	1,121	639	5,023
	Female	62	1,045	282	1,589	974	696	4,648
La Paz	Total	150	2,055	708	3,492	3,441	7,044	16,890
	Male	79	1,043	388	1,796	1,651	3,682	8,639
	Female	71	1,012	320	1,696	1,790	3,362	8,251
Maricopa	Total	53,708	836,773	309,022	1,604,359	1,117,649	743,509	4,665,020
	Male	27,420	427,037	157,997	813,100	545,252	335,110	2,305,916
	Female	26,288	409,736	151,025	791,259	572,397	408,399	2,359,104
Mohave	Total	1,832	28,379	10,099	52,941	59,350	71,765	224,366
	Male	938	14,505	5,257	28,015	28,883	35,503	113,101
	Female	894	13,874	4,842	24,926	30,467	36,262	111,265
Navajo	Total	1,321	21,958	7,520	31,535	26,046	21,455	109,835
	Male	675	11,163	3,912	16,614	12,632	10,168	55,164
	Female	646	10,795	3,608	14,921	13,414	11,287	54,671
Pima	Total	10,809	170,225	69,898	357,730	246,308	225,330	1,080,300
	Male	5,515	87,011	35,278	182,919	118,133	102,252	531,108
	Female	5,294	83,214	34,620	174,811	128,175	123,078	549,192
Pinal	Total	4,516	80,181	27,770	147,329	106,735	100,928	467,459
	Male	2,306	40,505	14,563	82,082	53,819	48,227	241,502
	Female	2,210	39,676	13,207	65,247	52,916	52,701	225,957
Santa Cruz	Total	652	10,230	3,685	14,300	11,573	9,564	50,004
	Male	336	5,228	1,811	6,969	5,370	4,379	24,093
	Female	316	5,002	1,874	7,331	6,203	5,185	25,911
Yavapai	Total	1,852	30,019	11,730	55,163	66,273	83,862	248,899
	Male	946	15,414	6,297	28,421	30,848	39,704	121,630
	Female	906	14,605	5,433	26,742	35,425	44,158	127,269
Yuma	Total	2,919	41,403	14,879	70,702	41,391	42,970	214,264
	Male	1,495	21,147	7,791	39,480	20,055	20,616	110,584
	Female	1,424	20,256	7,088	31,222	21,336	22,354	103,680

Notes: Totals may not equal sum of parts due to rounding; cells contain non-rounded values; 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*,
ARIZONA, 2023

		<1	1-14	15-19	20-44	45-64	65+	Total
Arizona	Total	82,535	1,297,780	488,877	2,484,319	1,779,815	1,391,787	7,525,113
	Male	42,157	661,917	249,940	1,276,272	866,235	640,140	3,736,661
	Female	40,378	635,863	238,937	1,208,047	913,580	751,647	3,788,452
Urban	Total	71,952	1,128,582	421,569	2,180,120	1,512,083	1,112,737	6,427,043
	Male	36,736	575,700	215,629	1,117,581	737,259	506,205	3,189,110
	Female	35,216	552,882	205,940	1,062,539	774,824	606,532	3,237,933
Rural	Total	10,583	169,198	67,308	304,199	267,732	279,050	1,098,070
	Male	5,421	86,217	34,311	158,691	128,976	133,935	547,551
	Female	5,162	82,981	32,997	145,508	138,756	145,115	550,519

Notes: Totals may not equal sum of parts due to rounding; cells contain non-rounded values; 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, 2023**

		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
Arizona	Total	82,535	348,032	949,748	1,000,933	1,045,507	926,756	872,076	907,739	797,484	440,216	154,087	7,525,113
	Male	42,157	177,756	484,161	513,884	542,432	469,896	431,974	434,261	370,944	204,509	64,687	3,736,661
	Female	40,378	170,276	465,587	487,049	503,075	456,860	440,102	473,478	426,540	235,707	89,400	3,788,452
Apache	Total	825	3,447	10,264	9,092	8,890	7,433	7,207	8,744	6,534	3,425	1,061	66,922
	Male	425	1,747	5,129	4,512	4,648	3,870	3,530	4,155	3,062	1,521	408	33,007
	Female	400	1,700	5,135	4,580	4,242	3,563	3,677	4,589	3,472	1,904	653	33,915
Cochise	Total	1,308	5,658	15,262	15,095	15,953	14,381	12,817	16,582	17,179	9,902	3,168	127,305
	Male	669	2,808	7,680	8,300	8,787	7,709	6,455	7,823	8,264	4,775	1,395	64,665
	Female	639	2,850	7,582	6,795	7,166	6,672	6,362	8,759	8,915	5,127	1,773	62,640
Coconino	Total	1,522	6,160	17,186	35,056	21,336	16,881	14,788	16,906	13,487	5,569	1,831	150,722
	Male	779	3,125	8,809	16,370	11,105	8,589	7,453	8,093	6,652	2,532	739	74,246
	Female	743	3,035	8,377	18,686	10,231	8,292	7,335	8,813	6,835	3,037	1,092	76,476
Gila	Total	475	2,133	6,108	4,984	5,395	4,830	5,219	8,447	9,355	5,225	1,629	53,800
	Male	243	1,084	3,172	2,570	2,711	2,472	2,580	4,010	4,622	2,579	709	26,752
	Female	232	1,049	2,936	2,414	2,684	2,358	2,639	4,437	4,733	2,646	920	27,048
Graham	Total	519	2,238	6,014	5,798	5,920	5,263	4,227	4,017	3,303	1,716	641	39,656
	Male	266	1,152	3,116	3,167	3,478	3,078	2,341	2,031	1,563	771	268	21,231
	Female	253	1,086	2,898	2,631	2,442	2,185	1,886	1,986	1,740	945	373	18,425
Greenlee	Total	127	602	1,485	1,226	1,441	1,360	1,062	1,033	770	369	196	9,671
	Male	65	290	752	662	751	743	556	565	416	169	54	5,023
	Female	62	312	733	564	690	617	506	468	354	200	142	4,648
La Paz	Total	150	562	1,493	1,356	1,445	1,399	1,376	2,065	3,093	2,981	970	16,890
	Male	79	268	775	753	710	721	668	983	1,525	1,603	554	8,639
	Female	71	294	718	603	735	678	708	1,082	1,568	1,378	416	8,251
Maricopa	Total	53,708	224,602	612,171	617,705	687,220	608,456	573,216	544,433	427,551	230,678	85,280	4,665,020
	Male	27,420	114,870	312,167	315,315	350,682	305,100	282,972	262,280	196,358	104,305	34,447	2,305,916
	Female	26,288	109,732	300,004	302,390	336,538	303,356	290,244	282,153	231,193	126,373	50,833	2,359,104
Mohave	Total	1,832	7,606	20,773	19,653	23,079	20,308	22,869	36,481	40,627	24,165	6,973	224,366
	Male	938	3,943	10,562	10,345	12,384	10,543	11,344	17,539	19,900	12,342	3,261	113,101
	Female	894	3,663	10,211	9,308	10,695	9,765	11,525	18,942	20,727	11,823	3,712	111,265
Navajo	Total	1,321	5,681	16,277	13,695	13,487	11,873	11,446	14,600	13,103	6,517	1,835	109,835
	Male	675	2,894	8,269	7,212	7,173	6,141	5,765	6,867	6,267	3,147	754	55,164
	Female	646	2,787	8,008	6,483	6,314	5,732	5,681	7,733	6,836	3,370	1,081	54,671
Pima	Total	10,809	46,006	124,219	162,216	141,459	123,953	114,793	131,515	127,170	71,198	26,962	1,080,300
	Male	5,515	23,524	63,487	81,950	74,083	62,164	56,180	61,953	58,803	32,289	11,160	531,108
	Female	5,294	22,482	60,732	80,266	67,376	61,789	58,613	69,562	68,367	38,909	15,802	549,192
Pinal	Total	4,516	20,675	59,506	53,797	61,390	59,912	51,928	54,807	59,183	33,009	8,736	467,459
	Male	2,306	10,355	30,150	29,242	34,808	32,595	27,466	26,353	27,607	16,477	4,143	241,502
	Female	2,210	10,320	29,356	24,555	26,582	27,317	24,462	28,454	31,576	16,532	4,593	225,957
Santa Cruz	Total	652	2,803	7,427	6,785	5,787	5,413	5,627	5,946	5,506	3,068	990	50,004
	Male	336	1,459	3,769	3,418	2,844	2,518	2,621	2,749	2,529	1,446	404	24,093
	Female	316	1,344	3,658	3,367	2,943	2,895	3,006	3,197	2,977	1,622	586	25,911
Yavapai	Total	1,852	7,839	22,180	22,530	22,625	21,738	24,788	41,485	49,835	26,000	8,027	248,899
	Male	946	4,137	11,277	12,062	11,608	11,048	11,926	18,922	23,500	12,670	3,534	121,630
	Female	906	3,702	10,903	10,468	11,017	10,690	12,862	22,563	26,335	13,330	4,493	127,269
Yuma	Total	2,919	12,020	29,383	31,945	30,080	23,556	20,713	20,678	20,788	16,394	5,788	214,264
	Male	1,495	6,100	15,047	18,006	16,660	12,605	10,117	9,938	9,876	7,883	2,857	110,584
	Female	1,424	5,920	14,336	13,939	13,420	10,951	10,596	10,740	10,912	8,511	2,931	103,680

Notes: Totals may not equal sum of parts due to rounding; cells contain non-rounded values; 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, 2023

		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
		82,535	348,032	949,748	1,000,933	1,045,507	926,756	872,076	907,739	797,484	440,216	154,087	7,525,113
Arizona	Total												
	Male	42,157	177,756	484,161	513,884	542,432	469,896	431,974	434,261	370,944	204,509	64,687	3,736,661
	Female	40,378	170,276	465,587	487,049	503,075	456,860	440,102	473,478	426,540	235,707	89,400	3,788,452
Urban	Total	71,952	303,303	825,279	865,663	920,149	815,877	760,650	751,433	634,692	351,279	126,766	6,427,043
	Male	36,736	154,849	420,851	444,513	476,233	412,464	376,735	360,524	292,644	160,954	52,607	3,189,110
	Female	35,216	148,454	404,428	421,150	443,916	403,413	383,915	390,909	342,048	190,325	74,159	3,237,933
Rural	Total	10,583	44,729	124,469	135,270	125,358	110,879	111,426	156,306	162,792	88,937	27,321	1,098,070
	Male	5,421	22,907	63,310	69,371	66,199	57,432	55,239	73,737	78,300	43,555	12,080	547,551
	Female	5,162	21,822	61,159	65,899	59,159	53,447	56,187	82,569	84,492	45,382	15,241	550,519

Notes: Totals may not equal sum of parts due to rounding; cells contain non-rounded values; ^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, 2023**

		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
All groups	Total	82,535	348,032	949,748	1,000,933	1,045,507	926,756	872,076	907,739	797,484	440,216	154,087	7,525,113
	Male	42,157	177,756	484,161	513,884	542,432	469,896	431,974	434,261	370,944	204,509	64,687	3,736,661
	Female	40,378	170,276	465,587	487,049	503,075	456,860	440,102	473,478	426,540	235,707	89,400	3,788,452
White non-Hispanic	Total	32,437	134,386	383,611	426,945	488,982	463,815	488,883	613,469	616,577	360,541	127,624	4,137,270
	Male	16,604	68,918	195,695	220,072	252,537	235,799	245,076	294,289	289,233	170,629	54,738	2,043,590
	Female	15,833	65,468	187,916	206,873	236,445	228,016	243,807	319,180	327,344	189,912	72,886	2,093,680
Hispanic or Latino	Total	37,770	162,146	421,117	425,030	387,577	322,235	265,650	194,823	115,143	50,865	17,112	2,399,468
	Male	19,268	82,795	215,012	216,672	202,070	163,920	130,236	93,642	53,157	21,958	6,504	1,205,234
	Female	18,502	79,351	206,105	208,358	185,507	158,315	135,414	101,181	61,986	28,907	10,608	1,194,234
Black or African American	Total	5,285	22,832	61,662	60,933	67,648	52,402	43,693	38,029	23,786	9,714	2,985	388,969
	Male	2,683	11,372	31,579	32,043	36,692	27,586	22,419	19,270	11,243	4,278	1,097	200,262
	Female	2,602	11,460	30,083	28,890	30,956	24,816	21,274	18,759	12,543	5,436	1,888	188,707
American Indian or Alaska Native	Total	3,652	15,265	48,022	46,993	50,232	37,908	32,420	31,194	19,893	9,094	2,873	297,546
	Male	1,857	7,752	24,249	23,733	25,406	18,329	15,274	13,987	8,731	3,573	1,045	143,936
	Female	1,795	7,513	23,773	23,260	24,826	19,579	17,146	17,207	11,162	5,521	1,828	153,610
Asian or Pacific Islander	Total	3,391	13,403	35,336	41,032	51,068	50,396	41,430	30,224	22,085	10,002	3,493	301,860
	Male	1,745	6,919	17,626	21,364	25,727	24,262	18,969	13,073	8,580	4,071	1,303	143,639
	Female	1,646	6,484	17,710	19,668	25,341	26,134	22,461	17,151	13,505	5,931	2,190	158,221

Notes: Totals may not equal sum of parts due to rounding; cells contain non-rounded values; 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 gonorrhea*.

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 ecchymosis 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	2023 population	2023 deaths	Age-specific rates in 2023	2000 standard	Age-adjusted rate for 2023
A	B	C	D (C/B)*100000	E	F D*E
<1	82,535	430	521.0	.013818	7.2
1-4	348,032	97	27.9	.055317	1.5
5-14	949,748	168	17.7	.145565	2.6
15-24	1,000,933	853	85.2	.138646	11.8
25-34	1,045,507	1,885	180.3	.135573	24.4
35-44	926,756	2,593	279.8	.162613	45.5
45-54	872,076	3,674	421.3	.134834	56.8
55-64	907,739	7,822	861.7	.087247	75.2
65-74	797,484	14,048	1761.5	.066037	116.3
75-84	440,216	19,008	4317.9	.044842	193.6
85+	154,087	18,427	11958.8	.015508	185.5
	7,525,113	69,005		TOTAL	Σ = 720.5

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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Skin and subcutaneous tissue, diseases of,
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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, Suicide and Self-Inflicted Injury, 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.

