

Health Status Profile of American Indians in Arizona



ARIZONA DEPARTMENT
OF HEALTH SERVICES

2020 Data Book

~ Health and Wellness for all Arizonans ~



**Katie Hobbs, Governor
State of Arizona**

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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA: 2020 DATA BOOK

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INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 2020 Data Book* is the annual update of population-level data on trends and patterns in natality and mortality among American Indians who were residents of specified tribal communities on reservations, and those who resided off reservation in Arizona in 2020.

American Indian births are determined by mother's race as indicated on a birth certificate, that is, these are the births to American Indian mothers. American Indian deaths are determined by decedent's race as stated on the death certificate.

The charts and tables comprising the 2020 *Health Status Profile of American Indians in Arizona* are grouped into five major sections:

- 1) a summary risk profile of American Indian residents of Arizona in 2020 on 66 indicators or measures of health status,
- 2) a comparison of American Indians' standing in Arizona with respect to selected health objectives for the years 2010 and 2020,
- 3) a section presenting trend data for 2010-2020 for selected health problems and health risks comparing American Indians to Arizona's entire population,
- 4) a four-part section concerned with the characteristics of American Indian newborns and mothers giving birth,
- 5) a three-part section focused on patterns of cause-specific mortality among American Indians by age group, gender, and place of residence in Arizona in 2020. Beginning with the 2007 report, it also includes additional statistics on "Comparative Cause-Specific Mortality" focused on leading causes of death by gender and residence status on or off reservation, as well as patterns in cancer mortality and proportional mortality from specific unintentional injuries.

These sections are followed by the **Technical Notes**, which provide information about the sources of data and definitions of terms used in the report. The causes of death for 2010-2020 are classified by the Tenth Revision (ICD-10).

Identifying whether the vital events occurring to Arizona’s Native American population were to those living on tribal reservations has posed a persistent challenge. Beginning with the first edition of this report published in 1995, vital events occurring on reservation were identified by place of residence. From 2002 - 2009, tribal affiliation combined with a specific place of residence was used in order to distinguish between American Indian residents of specified tribal communities and/or on reservations, and those who resided off reservation. Starting in 2010, the identification of events occurring on or off tribal lands was based solely on whether or not the individual’s residence address was within the boundaries of a tribal reservation. While identifying a somewhat smaller number of on-reservation vital events than in previous years, this method provides a stricter definition of whether a specific vital event occurred to a Native American living within the boundaries of a reservation, and is also more reliable and reproducible than the method incorporating both residence address and tribal affiliation to identify on-reservation events. Future editions of the report will also use residence as the sole identifier of on-reservation vital events. **Due to this change in methodology, the counts of vital events occurring on-or-off reservation in 2020 should not be directly compared to on-or-off reservation counts from years prior to 2010, specifically counts in Sections IV and V (excluding Section V Comparative Cause-Specific Mortality).**

The *Health Status Profile of American Indians in Arizona: 2020 Data Book* includes tables where small cells and related totals are suppressed. Using suppression rules similar to those used by the National Center for Health Statistics (NCHS), this report now attempts to maintain the anonymity of the individuals whose vital records are summarized herein. 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 (†). In certain cases where these rules would have dictated the rounding of a row or column total 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.

Health Status Profile of American Indians in Arizona was intended as a data book: a basic reference for some of the most frequently requested vital event statistics. The five sections of the report were computer-generated and contain information with little or no accompanying narrative.

The online versions of the report for 1998–2020 are available at <http://pub.azdhs.gov/health-stats/>



I.

RISK PROFILE OF AMERICAN INDIANS IN ARIZONA:

AN OVERVIEW OF SELECTED HEALTH PROBLEMS AND HEALTH RISKS AMONG AMERICAN INDIANS AND ALL RESIDENTS OF THE STATE IN 2020

The risk profile presented on the following page summarizes how American Indians as a group compared in 2020 to the state average on 66 measures of health status. The 66 indicators used in the profile are individual measures of the various dimensions or facets of health status. The profile uses the percentages a racial/ethnic group is above or below the statewide average on each of the specific measures. In order to represent the level of each indicator for American Indians in comparison to the overall state level, the following formula was used:*

$$\left[\frac{\text{THE VALUE OF A RATE OR RATIO IN A SPECIFIED GROUP}}{\text{THE AVERAGE VALUE OF A RATE OR RATIO FOR ALL GROUPS}} - 1.0 \right] \times 100$$

The above formula produces a score of 0.0 for a group with the same value as the statewide average. A negative value indicates better than average standing on an indicator. A positive value indicates worse than average standing on an indicator*. The profile visually describes the better-than-average and worse-than-average clusters of health status characteristics for American Indian residents of Arizona.

Following the graphic profile is a detailed description of the 66 indicators. These indicators are organized around 9 major subject areas:

(1) Teen Pregnancies, (2) Maternal Lifestyle and Health Characteristics, (3) Utilization of Prenatal Care Services, (4) Newborn's Health, (5) Mortality from Natural Causes (chronic or infectious diseases), (6) Mortality from Injuries, (7) Age-Specific Mortality, (8) Premature Mortality and (9) Reportable Diseases.

IN 2020, AMERICAN INDIAN RESIDENTS OF ARIZONA:

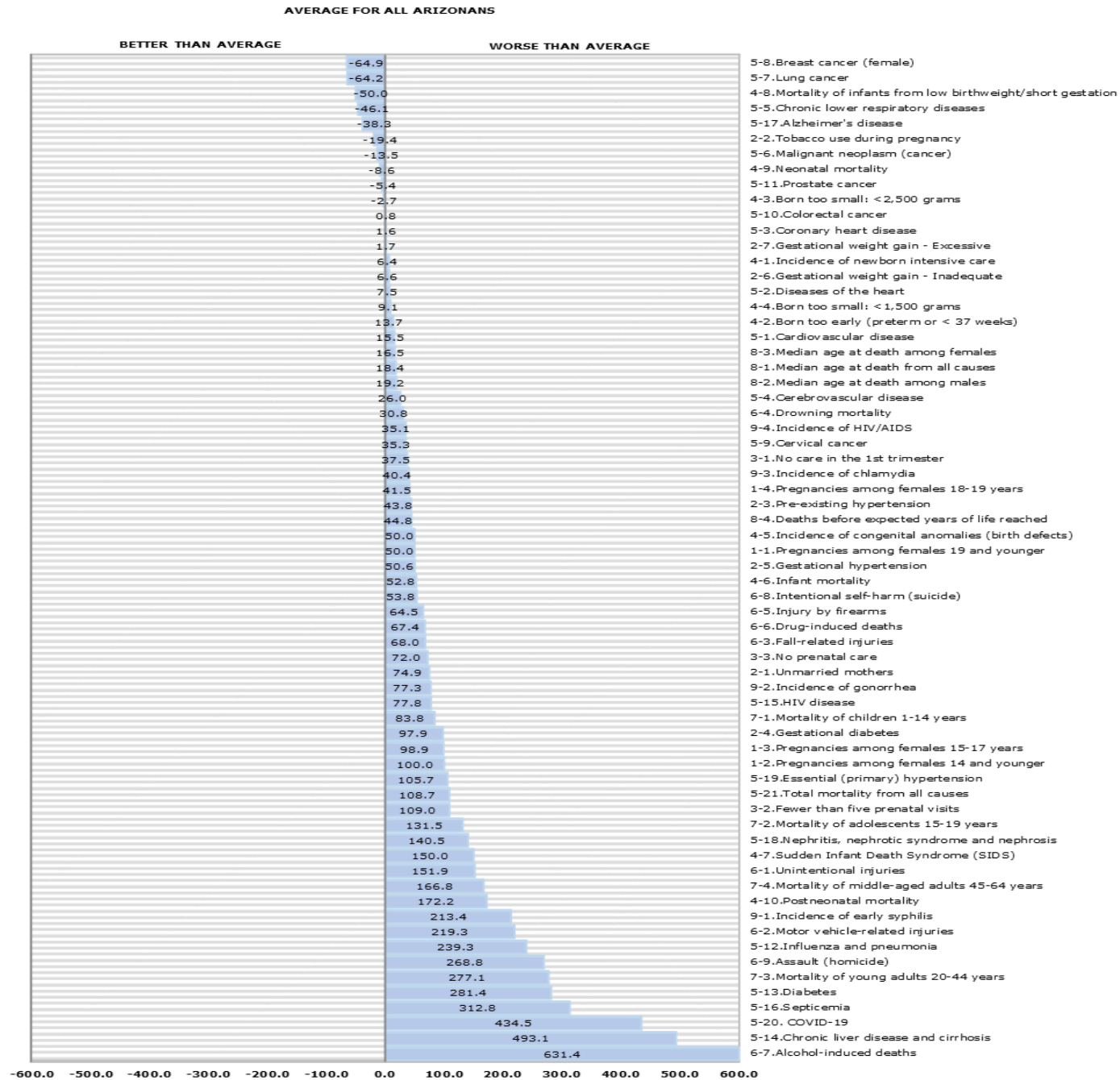
- **ranked better than average on a number of health indicators including: mortality rates for several chronic diseases including breast cancer, lung cancer, chronic lower respiratory disease, Alzheimer's disease, malignant neoplasms, and prostate cancer;**
- **ranked worse than the statewide average on 56 of 66 health indicators;**
- **had high mortality from alcohol-induced causes, chronic liver disease and cirrhosis, COVID-19, septicemia, diabetes, assault, influenza and pneumonia, motor vehicle accidents, post-neonatal mortality, and unintentional injuries ranked worse on measures of maternal lifestyle and health, as well as in utilization of prenatal care;**
- **on average were 14 years younger at time of death compared to all racial/ethnic groups.**

* The comparative risk profiles for American Indian or Alaska Native, White non-Hispanic, Hispanic or Latino, Black or African American, and Asian or Pacific Islander residents of Arizona were developed for a report "**Differences in the Health Status among Racial/Ethnic Groups**". This publication is available online at <http://pub.azdhs.gov/health-stats/report/dhsag/index.php>.

For consistency, the signs + and - for scores indicating the median age at death as higher or lower than the statewide average were reversed (indicators 8-1, 8-2, 8-3). Otherwise, a lower-than-average median age at death would signify a better than average standing on these indicators. A lower-than-average median age at death obviously reflects a worse off life expectancy.

2020 RISK PROFILE OF AMERICAN INDIANS

(Percent above or below the average rate or ratio of all Arizona residents in 2020)



**AMERICAN INDIANS' STANDING IN ARIZONA IN 2020
ON 66 INDICATORS OF HEALTH STATUS**

1. TEEN PREGNANCIES

(Number of pregnancies per 1,000 females in specified age group)

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2020	Definitions
1-1	Pregnancies among females 19 and younger	16.8	50.0	11.2	The sum of live births, fetal deaths, and abortions per 1,000 females aged 19 or younger.
1-2	Pregnancies among females 14 and younger	0.4	100.0	0.2	The sum of live births, fetal deaths, and abortions per 1,000 females aged 14 or younger.
1-3	Pregnancies among females 15-17 years old	18.5	98.9	9.3	The sum of live births, fetal deaths, and abortions per 1,000 females aged 15-17 years.
1-4	Pregnancies among females 18-19 years old	57.6	41.5	40.7	The sum of live births, fetal deaths, and abortions per 1,000 females aged 18-19 years.

2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

(All rates are per 100 live births)

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2020	Definitions
2-1	Unmarried mothers	78.7	74.9	45.0	The number of births to unmarried mothers per 100 births.
2-2	Tobacco use during pregnancy	2.9	-19.4	3.6	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births.
2-3	Pre-existing hypertension	2.3	43.8	1.6	Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation (the number of cases per 100 births).
2-4	Gestational diabetes	18.8	97.9	9.5	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy (the number of cases per 100 births).
2-5	Gestational hypertension	13.4	50.6	8.9	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 (the number of cases per 100 births).
2-6	Gestational weight gain - Inadequate	22.7	6.6	21.3	The number of women giving birth whose gestational weight gain was inadequate in relation to pre-pregnancy body mass index (BMI).
2-7	Gestational weight gain - Excessive	48.3	1.7	47.5	The number of women giving birth whose gestational weight gain was excessive in relation to pre-pregnancy body mass index (BMI).

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2020
ON 66 INDICATORS OF HEALTH STATUS (continued)**

3. UTILIZATION OF PRENATAL CARE SERVICES

(Per 100 live births)

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2020	Definitions
3-1	No care in the 1 st trimester	42.9	37.5	31.2	The number of mothers giving birth who received no prenatal care in the 1 st trimester of pregnancy per 100 births.
3-2	Fewer than five prenatal visits	16.3	109.0	7.8	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	4.3	72.0	2.5	The number of mothers giving birth who received no prenatal care during pregnancy per 100 births.

4. NEWBORN'S HEALTH

(Infant, neonatal, and postneonatal rates are per 1,000 live births. All other indicators are expressed per 100 live births)

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2020	Definitions
4-1	Incidence of newborn intensive care	8.3	6.4	7.8	The number of babies admitted to Newborn Intensive Care units per 100 births.
4-2	Born too early (preterm or < 37 weeks)	10.8	13.7	9.5	The number of births before 37 weeks of gestation per 100 births. Preterm is any neonate whose birth occurs through the end of the last day of the 37 th week (259 th day), following onset of the last menstrual period.
4-3	Born too small: low-birthweight (<2,500 grams)	7.2	-2.7	7.4	The number of newborns weighing less than 2,500 grams per 100 births. Low-birthweight is any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).
4-4	Born too small: very low-birthweight (<1,500 grams)	1.2	9.1	1.1	The number of newborns weighing less than 1,500 grams per 100 births. Very low-birthweight is any neonate whose weight at birth is 1,500 grams or less (less than 3 pounds 5 ounces).
4-5	Incidence of congenital anomalies (birth defects)	0.6	50.0	0.4	The numbers of babies born with birth defects per 100 births.
4-6	Infant mortality	8.1	52.8	5.3	The number of infant deaths per 1,000 live births. Infant death is 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).
4-7	Sudden Infant Death Syndrome (SIDS)	0.5	150.0	0.2	The number of infant deaths from Sudden Infant Death Syndrome (ICD-10 code R95) per 1,000 live births.
4-8	Mortality of infants from low birthweight/short gestation	0.5	-50.0	1.0	The number of infant deaths from low-birthweight/short gestation (ICD-10 code P07) per 1,000 live births.
4-9	Neonatal mortality	3.2	-8.6	3.5	The number of neonatal deaths per 1,000 live births. Neonatal death is death of a liveborn neonate before the neonate becomes 28 days old (up to and including 27 days, 23 hours, 59 minutes from the moment of birth).
4-10	Postneonatal mortality	4.9	172.2	1.8	The number of postneonatal deaths per 1,000 live births. Postneonatal death is any death of a liveborn infant at least 28 days of age but less than one year of age.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2020
ON 66 INDICATORS OF HEALTH STATUS (continued)**

5. MORTALITY FROM NATURAL CAUSES (chronic or infectious diseases)

(Number of deaths per 100,000 population age-adjusted to 2000 standard. The causes of death are classified by the Tenth Revision of the International Classification of Diseases or ICD-10)

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2020	Definitions
5-1	Cardiovascular disease	237.2	15.5	205.3	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	164.3	7.5	152.9	The number of deaths from disease of the heart (ICD-10 codes I00-I09, I11, I13, I20-I51) per 100,000 age-adjusted population.
5-3	Coronary heart disease	111.1	1.6	109.4	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	43.6	26.0	34.6	The number of deaths from cerebrovascular disease (ICD-10 codes I60-I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	20.9	-46.1	38.8	The number of deaths from chronic lower respiratory diseases (ICD-10 codes J40-J47) per 100,000 age-adjusted population.
5-6	Malignant neoplasm (cancer)	116.5	-13.5	134.7	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	9.6	-64.2	26.8	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	6.5	-64.9	18.5	The number of deaths from breast cancer (ICD-10 code C50) per 100,000 age-adjusted female population.
5-9	Cervical cancer	2.3	35.3	1.7	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	12.8	0.8	12.7	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	17.5	-5.4	18.5	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	41.4	239.3	12.2	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	106.4	281.4	27.9	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	103.2	493.1	17.4	The number of deaths from chronic liver disease and cirrhosis (ICD-10 codes K70, K73-K74) per 100,000 age-adjusted population.
5-15	HIV disease	1.6	77.8	0.9	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	19.4	312.8	4.7	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	21.4	-38.3	34.7	The number of deaths from Alzheimer's disease (ICD-10 code G30) per 100,000 age-adjusted population.
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	20.2	140.5	8.4	The number of deaths from nephritis, nephritic syndrome, and nephrosis (ICD-10 codes N00-N07, N17-N19, N25-N27) per 100,000 age-adjusted population.
5-19	Essential (primary) hypertension	25.1	105.7	12.2	The number of deaths from essential (primary) hypertension (ICD-10 codes I10, I12) per 100,000 age-adjusted population.
5-20	COVID-19	492.3	434.5	92.1	The number of deaths from COVID-19 (ICD-10 code U071) per 100,000 age-adjusted population.
5-21	Total mortality from all causes	1757.8	108.7	842.2	Total number of deaths from all causes per 100,000 age-adjusted population.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2020
ON 66 INDICATORS OF HEALTH STATUS (continued)**

6. MORTALITY FROM INJURIES

(Number of deaths per 100,000 population age-adjusted to 2000 standard. The causes of death are classified by the Tenth Revision of the International Classification of Diseases or ICD-10. Drug-induced deaths include accidental, suicidal, and homicidal poisoning by drugs, but also disorders due to use of psychoactive substances. Alcohol-induced deaths include accidental, suicidal, and homicidal by drugs, but also disorders due to use of alcohol)

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2020	Definitions
6-1	Unintentional injuries	180.1	151.9	71.5	The number of deaths from unintentional injuries in accidents (ICD-10 codes V01–X59, Y85–Y86) per 100,000 age-adjusted population.
6-2	Motor vehicle-related injuries	44.7	219.3	14.0	The number of deaths from motor vehicle-related injuries (ICD-10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2) per 100,000 age-adjusted population.
6-3	Fall-related injuries	20.5	68.0	12.2	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	1.7	30.8	1.3	The number of deaths due to accidental drowning and submersion (ICD-10 codes W65–W74) per 100,000 age-adjusted population.
6-5	Injury by firearms	28.3	64.5	17.2	The number of deaths by firearms (ICD-10 codes W32–W34, X72–X74, X93–X95, Y22–Y24, Y 35.0) per 100,000 age-adjusted population. Causes of death attributable to firearm mortality include accidental discharge of firearms, intentional self-harm (suicide) by discharge of firearms, assault (homicide) by discharge of firearms, discharge of firearms -undetermined intent, and legal intervention involving firearm discharge. Deaths from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.
6-6	Drug-induced deaths	64.3	67.4	38.4	The number of drug-induced deaths (ICD-10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, Y10–Y14) per 100,000 age-adjusted population. Causes of death attributable to drug-induced mortality include selected codes from the ICD-10 title Mental and behavioral disorders due to psychoactive substance use, accidental poisoning by and exposure to drugs, medicaments and biological substances; intentional self-poisoning (suicide) by and exposure to drugs; assault (homicide) by drugs, medicaments and biological substances; and poisoning by and exposure to drugs, medicaments and biological substances, undetermined intent. Drug-induced causes exclude accidents, homicides, and other causes indirectly related to drug use. <u>Also excluded are newborn deaths associated with mother's drug use.</u>
6-7	Alcohol-induced deaths	149.2	631.4	20.4	The number of alcohol-induced deaths (ICD-10 codes F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, Y15) per 100,000 age-adjusted population. Causes of death attributable to alcohol-induced mortality include mental and behavioral disorders due to alcohol use, degeneration of nervous system due to alcohol, 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 and exposure to alcohol; and poisoning by and exposure to alcohol, undetermined intent. Alcohol-induced causes exclude accidents, homicides, and other causes indirectly related to alcohol use.
6-8	Intentional self-harm (suicide)	28.0	53.8	18.2	The number of deaths due to intentional self-harm (ICD-10 codes X60–X84, Y87.0) per 100,000 age-adjusted population.
6-9	Assault (homicide)	28.4	268.8	7.7	The number of deaths due to assault (homicide; ICD-10 codes X85–X09, Y87.1) per 100,000 age-adjusted population.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2020
ON 66 INDICATORS OF HEALTH STATUS (continued)**

7. PREMATURE MORTALITY

(Number of deaths per 100,000 persons in specific group)

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2020	Definitions
7-1	Mortality of children 1-14 years old	35.1	83.8	19.1	The number of deaths per 100,000 children 1-14 years old.
7-2	Mortality of adolescents 15-19 years old	190.5	131.5	82.3	The number of deaths per 100,000 adolescents 15-19 years old.
7-3	Mortality of young adults 20-44 years old	857.2	277.1	227.3	The number of deaths per 100,000 young adults 20-44 years old.
7-4	Mortality of middle-aged adults 45-64 years old	2185.5	166.8	819.2	The number of deaths per 100,000 middle-aged adults 45-64 years old.

8. AGE-SPECIFIC MORTALITY

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average for all groups*	Average rate for all groups in 2020	Definitions
8-1	Median age at death from all causes	62.0	18.4	76.0	The median age (the age in the middle) of Arizonans who died in 2020.
8-2	Median age at death from all causes among males	59.0	19.2	73.0	The median age (the age in the middle) of Arizona males who died in 2020.
8-3	Median age at death from all causes among females	66.0	16.5	79.0	The median age (the age in the middle) of Arizona females who died in 2020.
8-4	Percent of total deaths before expected years of life reached	75.6	44.8	52.2	The number of deaths before reaching 77.0 years (the life expectancy of all U.S. residents in 2020) per 100 deaths.

Note: For consistency, the signs + and - for scores indicating the median age at death as higher or lower than the statewide average were reversed.

9. REPORTABLE DISEASES

(Number of cases per 100,000 persons in specific group)

Figure Number	Indicator	2020 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2020	Definitions
9-1	Incidence of early syphilis	116.9	213.4	37.3	Number of reported cases of early syphilis per 100,000 population.
9-2	Incidence of gonorrhea	399.8	77.3	225.5	Number of reported cases of gonorrhea per 100,000 population.
9-3	Incidence of chlamydia	723.3	40.4	515.3	Number of reported cases of chlamydia per 100,000 population.
9-4	Incidence of HIV/AIDS	13.1	35.1	9.7	Number of reported cases of HIV/AIDS per 100,000 population.



II.
**COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH
RESPECT TO SELECTED HEALTH OBJECTIVES FOR THE
YEAR 2020**

**COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO
SELECTED HEALTH OBJECTIVES FOR THE YEAR 2020**

National Year 2010 Objectives / Healthy People 2020 Objectives														
2.1	Increase the proportion of women giving birth who receive prenatal care in the first trimester of pregnancy; 2010 objective (HP16-16a); 2020 objective (HP-MICH-10.1)													
2.2	Reduce the rate of infant deaths; 2010 objective (HP16-1c); 2020 objective (HP-MICH-1.3)													
2.3	Reduce postneonatal mortality; 2010 objective (HP16-1e); 2020 objective (HP-MICH-1.5)													
2.4	Reduce deaths caused by unintentional injuries; 2010 objective (HP15-13); 2020 objective(HP-IVP-11)													
2.5	Reduce deaths caused by motor vehicle crashes; 2010 objective (HP15-15); 2020 objective (HP-IVP-13.1)													
2.6	Reduce the suicide rate; 2010 objective (HP18-1); 2020 objective (HP-MHMD-1)													
2.7	Reduce the homicide rate; 2010 objective (HP15-32); 2020 objective (HP-IVP-29)													
2.8	Reduce the diabetes-related death rate; 2010 objective (HP5-5); 2020 objective (HP-D-3)													
2.9	Reduce the cirrhosis* death rate; 2010 objective (HP26-2); 2020 objective (HP-SA-11)													
2.10	Reduce the cervical cancer death rate; 2010 objective (HP3-4); 2020 objective (HP-C-4)													
Indicator		Objectives												
		2010	2020	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
2.1	Percent of American Indian women giving birth who received early prenatal care	90.0	77.9	69.4	68.6	68.2	68.7	58.4	58.5	60.7	59.4	56.5	57.4	57.1
2.2	Number of infant deaths per 1,000 American Indian live births (6 per 1,000)	6.0	6.0	8.1	7.4	7.4	6.6	8.7	7.8	8.3	9.5	9.3	6.9	8.1
2.3	Number of postneonatal (i.e., at least 28 days of age but less than one year of age) deaths per 1,000 American Indian live births (1.2 per 1000); (2.0 per 1000)	1.2	2.0	4.3	4.1	3.6	2.9	3.7	4.6	4.2	5.3	4.0	3.8	4.9
2.4	Number of unintentional injury deaths per 100,000 American Indian population ^a (17.5 per 100,000); (36.0 per 100,000)	17.5	36.0	99.2	100.6	94.8	104.5	85.4	139.0	139.1	142.0	144.5	129.4	180.1
2.5	Number of deaths caused by motor vehicle crashes per 100,000 American Indian population ^a (16 per 100,000); (12.4 per 100,000)	16.0	12.4	41.7	44.2	37.8	31.7	35.6	54.3	52.2	54.0	60.7	36.7	44.7
2.6	Number of suicides per 100,000 American Indian population ^a (10 per 100,000); (10.2 per 100,000)	10.0	10.2	18.7	14.9	17.9	21.9	13.9	19.0	24.2	26.2	36.5	26.8	28.0
2.7	Number of homicides per 100,000 American Indian population ^a (5 per 100,000); (5.5 per 100,000)	5.0	5.5	18.0	11.9	17.3	17.7	7.3	15.7	17.6	17.9	17.9	20.3	28.4
2.8	Number of deaths due to diabetes reported as the underlying or multiple cause of death per 100,000 American Indian population ^a (45 per 100,000); (65.8 per 100,000)	45.0	65.8	130.4	105.3	155.7	146.4	129.5	171.0	175.3	192.8	171.3	179.6	350.4
2.9	Number of deaths due to chronic liver disease and cirrhosis reported as the underlying cause of death per 100,000 American Indian population ^a (3 per 100,000); (8.2 per 100,000)	3.0	8.2	64.6	43.6	59.2	62.0	52.7	77.6	85.9	74.0	88.8	82.7	103.2
2.10	Number of deaths due to cancer of the uterine cervix reported as the underlying cause of death per 100,000 American Indian female population ^a (2 per 100,000); (2.2 per 100,000)	2.0	2.2	3.0	3.1	2.8	2.0	0.0	1.9	1.9	1.8	2.2	1.5	2.3

Note: ^a Age-adjusted to the 2000 US standard population.



III.

TRENDS IN SELECTED HEALTH PROBLEMS AND HEALTH RISKS AMONG AMERICAN INDIANS IN ARIZONA

TRENDS IN SELECTED HEALTH PROBLEMS AND HEALTH RISKS AMONG AMERICAN INDIANS IN ARIZONA

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Median Age at Death from all Causes											
All Arizonans	77.0	77.0	77.0	77.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
American Indians	58.0	60.0	60.0	60.0	61.0	60.0	60.0	61.0	60.0	62.0	62.0
Births to Unmarried Mothers^a											
All Arizonans	44.7	44.3	45.2	45.1	44.7	45.3	44.8	44.4	44.6	45.0	45.0
American Indians	77.7	77.1	78.5	79.2	78.9	79.6	78.1	77.9	78.9	78.4	78.7
Incidence of Gonorrhea^b											
All Arizonans	50.8	71.4	89.4	98.2	112.7	121.1	151.3	180.5	182.3	212.1	225.5
American Indians	85.1	162.8	185.7	224.6	206.5	183.1	229.0	287.7	387.4	359.7	399.8
Low-Birthweight Births^a											
All Arizonans	7.1	7.0	6.9	6.9	7.0	7.2	7.3	7.5	7.6	7.4	7.4
American Indians	7.0	6.9	6.7	7.2	6.1	7.3	7.2	7.7	7.9	7.9	7.2
Births to Teenage Mothers^a											
All Arizonans	10.8	9.9	9.5	8.5	7.6	6.9	6.4	6.2	5.8	5.5	5.1
American Indians	17.0	16.9	16.0	14.2	11.7	11.4	10.7	10.7	9.8	9.2	8.4
Congenital Anomalies (Birth Defects)^a											
All Arizonans	0.6	1.1	0.8	0.7	0.5	0.5	0.5	0.5	0.5	0.4	0.4
American Indians	0.6	1.4	0.9	0.8	0.8	1.0	1.2	0.8	0.9	0.7	0.6
Gestational Hypertension^c											
All Arizonans	39.1	41.9	45.2	55.8	52.4	59.9	62.4	67.4	77.1	80.0	88.7
American Indians	61.2	62.8	64.6	74.1	85.9	102.7	104.5	112.0	127.6	131.8	134.3
Gestational Diabetes^c											
All Arizonans	41.8	46.4	51.2	57.2	61.3	75.5	76.0	76.5	84.9	86.9	95.4
American Indians	77.9	93.3	99.3	111.4	121.5	144.7	146.4	148.0	172.6	173.7	188.2

Notes: ^a Per 100 live births; ^b Per 100,000 population; ^c Per 1,000 births.



**IV.
CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS
AND MOTHERS GIVING BIRTH BY PLACE OF
RESIDENCE IN ARIZONA IN 2020**



SOCIODEMOGRAPHIC CHARACTERISTICS

**4.1
MATERNAL AGE (2020 STATUS)**

		TOTAL BIRTHS	Mother's age group								
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	0†	110†	230†	1,090†	1,160†	980†	430†	90†	0†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	0	*	*	8	0	0	0
	Cocopah Tribe	10†	0	0	0	6	6	*	*	0	0
	Colorado River Indian Tribe	10†	0	0	0	*	7	*	0	0	0
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	*	*	0	*	0	0
	Fort Mohave Indian Tribe	0†	0	0	0	*	0	*	0	0	0
	Gila River Indian Community	210†	0	9	17	66	53	52	16	*	0
	Havasupai Tribe	10†	0	0	0	*	*	*	0	0	0
	Hopi Tribe	60†	0	0	*	15	24	16	*	*	0
	Hualapai Tribe	10†	0	0	0	*	*	*	*	*	0
	Kaibab Indian Reservation	0†	0	0	0	0	0	*	0	0	0
	Navajo Nation	963	0	26	43	265	264	223	109	33	0
	Pascua Yaqui Tribe	10†	0	0	*	*	6	*	*	0	0
	Salt River Pima-Maricopa Indian Community	90†	0	*	6	25	19	18	14	*	0
	San Carlos Apache Tribe	160†	0	12	12	41	48	35	11	*	0
	Tohono O'Odham Nation	110†	*	8	12	25	26	18	12	*	0
	White Mountain Apache Tribe	210†	0	9	18	49	58	49	20	*	0
	Yavapai-Apache Nation	0†	0	0	0	*	*	*	0	0	0
	TOTAL	1,900†	0†	70†	110†	520†	530†	430†	190†	50†	0
Resided off reservation	---in Maricopa County	1,130†	0	23	69	281	325	294	119	20	*
	---in Pima County	260†	0	7	10	75	71	62	27	*	0
	---in Coconino County	250†	*	*	9	62	76	63	32	7	0
	---elsewhere in Arizona	550†	*	12	26	159	158	126	57	12	0
		TOTAL	2,190†	0†	40†	114	577	630	545	235	40†

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

4.2
EDUCATIONAL ATTAINMENT OF MOTHER (2020 STATUS)

		TOTAL BIRTHS	Mother's education							
			8th Grade or Less	Some High School	High School / GED	Some College	Associate Degree	Bachelor's Degree	Post-graduate Education	Un-known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	60†	960†	1,480†	1,040†	310†	170†	60†	10†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	*	*	0	*	0	0
	Cocopah Tribe	10†	0	*	8	*	0	0	0	0
	Colorado River Indian Tribe	10†	0	*	9	*	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	10†	0	*	7	0	0	0	0	0
	Fort Mohave Indian Tribe	0†	0	0	*	*	0	0	0	0
	Gila River Indian Community	210†	11	99	75	24	*	*	0	0
	Havasupai Tribe	10†	0	*	*	0	0	0	0	0
	Hopi Tribe	60†	0	8	27	20	*	*	0	0
	Hualapai Tribe	10†	0	8	*	*	0	0	0	0
	Kaibab Indian Reservation	0†	0	0	*	0	0	0	0	0
	Navajo Nation	963	8	140	359	295	98	45	14	*
	Pascua Yaqui Tribe	10†	0	6	*	*	*	*	0	0
	Salt River Pima-Maricopa Indian Community	90†	*	39	27	11	9	*	0	0
	San Carlos Apache Tribe	160†	*	53	64	31	7	*	0	*
	Tohono O'Odham Nation	110†	*	43	38	17	*	*	0	0
	White Mountain Apache Tribe	210†	0	74	82	41	*	*	*	0
Yavapai-Apache Nation	0†	0	*	*	*	0	0	0	0	
	TOTAL	1,900†	30†	490†	720†	450†	130†	60†	20†	10†
Resided off reservation	---in Maricopa County	1,133	18	244	368	329	97	58	18	*
	---in Pima County	260†	*	66	101	55	12	9	8	0
	---in Coconino County	250†	*	32	100	70	28	14	6	*
	---elsewhere in Arizona	550†	*	131	199	131	43	32	10	*
		TOTAL	2,192	30†	473	768	585	180	113	42

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.

**4.3
MARITAL STATUS OF MOTHER (2020 STATUS)**

		TOTAL BIRTHS	Marital status		
			Married	Unmarried	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	830†	3,220†	50†
Resided on reservation	Ak-Chin Indian Community	10†	*	11	0
	Cocopah Tribe	10†	0	12	*
	Colorado River Indian Tribe	10†	*	10	0
	Fort McDowell Yavapai Nation Reservation	8	0	8	0
	Fort Mohave Indian Tribe	0†	*	*	0
	Gila River Indian Community	210†	15	196	*
	Havasupai Tribe	9	0	9	0
	Hopi Tribe	60†	7	53	*
	Hualapai Tribe	10†	*	10	0
	Kaibab Indian Reservation	0†	0	*	0
	Navajo Nation	963	188	766	9
	Pascua Yaqui Tribe	10†	*	13	0
	Salt River Pima-Maricopa Indian Community	90†	11	76	*
	San Carlos Apache Tribe	160†	27	132	*
	Tohono O'Odham Nation	107	10	97	0
	White Mountain Apache Tribe	210†	52	151	*
	Yavapai-Apache Nation	0†	*	*	0
		TOTAL	1,900†	320†	1,550†
Resided off reservation	---in Maricopa County	1,133	259	862	12
	---in Pima County	260†	46	205	*
	---in Coconino County	250†	61	188	*
	---elsewhere in Arizona	550†	135	414	*
		TOTAL	2,192	501	1,669

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.

4.4
RACE/ETHNICITY OF FATHER (2020 STATUS)

		TOTAL BIRTHS	Father's race/ethnicity				
			White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	1,250†	570†	90†	2,150†	30†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	*	6	0
	Cocopah Tribe	10†	*	*	*	*	0
	Colorado River Indian Tribe	10†	9	*	0	*	0
	Fort McDowell Yavapai Nation Reservation	10†	*	*	0	*	0
	Fort Mohave Indian Tribe	0†	0	*	0	*	0
	Gila River Indian Community	210†	78	21	*	113	0
	Havasupai Tribe	10†	*	*	0	*	0
	Hopi Tribe	62	16	0	0	46	0
	Hualapai Tribe	13	7	0	0	6	0
	Kaibab Indian Reservation	0†	0	0	0	*	0
	Navajo Nation	960†	229	15	6	712	*
	Pascua Yaqui Tribe	10†	7	*	0	*	0
	Salt River Pima-Maricopa Indian Community	90†	32	12	*	42	*
	San Carlos Apache Tribe	160†	63	*	0	92	*
	Tohono O'Odham Nation	107	38	7	0	62	0
	White Mountain Apache Tribe	210†	45	*	*	157	0
	Yavapai-Apache Nation	0†	0	*	0	*	0
	TOTAL	1,900†	540†	80†	10†	1,260†	0†
Resided off reservation	---in Maricopa County	1,133	367	298	52	393	23
	---in Pima County	260†	106	64	9	75	*
	---in Coconino County	250†	57	19	*	170	*
	---elsewhere in Arizona	550†	181	108	10	249	*
		TOTAL	2,192	711	489	70†	887

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.

**4.5
AGE OF FATHER (2020 STATUS)**

		TOTAL BIRTHS	Father's age group											
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	0†	40†	140†	700†	830†	760†	430†	180†	60†	30†	10†	910†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	0	*	*	*	*	0	0	0	0	*
	Cocopah Tribe	10†	0	0	0	*	*	*	*	0	0	0	0	*
	Colorado River Indian Tribe	10†	0	0	0	*	0	*	*	0	0	0	0	*
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	0	*	*	0	0	0	0	0	*
	Fort Mohave Indian Tribe	0†	0	0	0	*	0	*	0	0	0	0	0	0
	Gila River Indian Community	210†	0	*	14	44	33	25	22	*	*	*	0	67
	Havasupai Tribe	10†	0	0	0	*	*	0	0	0	0	0	0	*
	Hopi Tribe	60†	0	0	*	12	7	18	7	*	*	0	0	14
	Hualapai Tribe	10†	0	0	0	*	*	*	*	0	0	0	0	6
	Kaibab Indian Reservation	0†	0	0	0	*	0	0	0	0	0	0	0	0
	Navajo Nation	960†	0	9	24	170	199	169	102	55	22	8	*	202
	Pascua Yaqui Tribe	10†	0	0	*	*	*	*	*	0	0	0	0	7
	Salt River Pima-Maricopa Indian Community	90†	0	*	*	12	15	14	7	*	*	0	0	29
	San Carlos Apache Tribe	160†	0	*	11	18	31	22	12	*	*	*	0	60
	Tohono O'Odham Nation	110†	0	*	8	20	16	12	*	*	*	0	0	36
	White Mountain Apache Tribe	210†	0	*	9	39	37	44	22	7	*	*	0	39
Yavapai-Apache Nation	0†	0	0	0	*	0	*	0	0	0	0	0	0	
TOTAL		1,900†	0	20†	70†	330†	360†	320†	190†	80†	30†	10†	0†	480†
Resided off reservation	---in Maricopa County	1,133	0	7	36	188	237	238	121	62	11	7	6	220
	---in Pima County	260†	0	*	7	37	43	52	27	*	*	*	*	74
	---in Coconino County	250†	*	*	7	49	52	60	31	6	11	0	*	32
	---elsewhere in Arizona	550†	0	7	17	94	141	92	59	25	7	*	0	105
	TOTAL		2,190†	0†	20†	67	368	473	442	238	100†	30†	10†	10†

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

4.6
SOURCE OF PAYMENT FOR LABOR AND DELIVERY (2020 STATUS)

		TOTAL BIRTHS	Payer for births				
			AHCCCS ^a	IHS	Private insurance	Self-pay	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	2,840†	520†	600†	80†	50†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	*	0	0
	Cocopah Tribe	10†	11	*	0	*	0
	Colorado River Indian Tribe	10†	11	*	0	0	0
	Fort McDowell Yavapai Nation Reservation	10†	*	*	*	0	0
	Fort Mohave Indian Tribe	0†	*	*	0	0	0
	Gila River Indian Community	210†	99	79	33	*	*
	Havasupai Tribe	10†	7	*	0	0	0
	Hopi Tribe	60†	48	*	9	*	0
	Hualapai Tribe	10†	12	*	0	0	0
	Kaibab Indian Reservation	0†	*	0	0	0	0
	Navajo Nation	963	796	52	84	18	13
	Pascua Yaqui Tribe	10†	7	*	*	0	0
	Salt River Pima-Maricopa Indian Community	89	67	6	16	0	0
	San Carlos Apache Tribe	160†	28	114	16	*	0
	Tohono O'Odham Nation	110†	59	29	17	*	0
	White Mountain Apache Tribe	210†	183	*	15	*	*
Yavapai-Apache Nation	0†	*	0	*	0	0	
	TOTAL	1,900†	1,340†	300†	200†	30†	20†
Resided off reservation	---in Maricopa County	1,133	783	101	214	25	10
	---in Pima County	260†	159	39	50	*	*
	---in Coconino County	250†	189	19	38	*	*
	---elsewhere in Arizona	551	367	57	98	15	14
	TOTAL	2,192	1,498	216	400	50†	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 The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.



MATERNAL LIFESTYLE & HEALTH CHARACTERISTICS

4.7
MATERNAL WEIGHT GAIN DURING PREGNANCY (2020 STATUS)

		TOTAL BIRTHS	Weight gain			
			Inadequate	Adequate	Excessive	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	930†	1,110†	1,970†	70†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	7	0
	Cocopah Tribe	10†	*	*	9	0
	Colorado River Indian Tribe	10†	*	*	9	0
	Fort McDowell Yavapai Nation Reservation	10†	*	0	6	*
	Fort Mohave Indian Tribe	0†	0	*	*	*
	Gila River Indian Community	210†	44	49	116	*
	Havasupai Tribe	10†	*	*	*	*
	Hopi Tribe	60†	15	21	23	*
	Hualapai Tribe	10†	*	*	*	0
	Kaibab Indian Reservation	0†	0	0	*	0
	Navajo Nation	963	248	282	412	21
	Pascua Yaqui Tribe	10†	*	*	8	*
	Salt River Pima-Maricopa Indian Community	89	14	28	47	0
	San Carlos Apache Tribe	160†	33	49	76	*
	Tohono O'Odham Nation	107	16	23	68	0
	White Mountain Apache Tribe	210†	39	55	111	*
	Yavapai-Apache Nation	0†	*	*	*	0
	TOTAL	1,900†	430†	520†	900†	40†
Resided off reservation	---in Maricopa County	1,133	263	317	533	20
	---in Pima County	260†	64	63	127	*
	---in Coconino County	250†	54	68	127	*
	---elsewhere in Arizona	551	114	142	284	11
	TOTAL	2,192	495	590	1,071	40†

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

4.8
MEDICAL RISK FACTORS OF PREGNANCY (2020 STATUS)

		TOTAL BIRTHS	Births with medical risk factors	Medical risk factors ^a											
				Pre-existing diabetes	Gestational diabetes	Pre-existing hypertension	Gestational hypertension	Eclampsia	Previous preterm birth	Other previous poor pregnancy outcome	Gonorrhea	Syphilis	Chlamydia	Hepatitis B	Hepatitis C
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	1,761	151	769	96	549	10†	198	198	46	50	271	0†	10†
Resided on reservation	Ak-Chin Indian Community	14	10†	*	*	0	*	0	0	0	*	0	*	0	0
	Cocopah Tribe	14	10†	0	*	*	*	0	*	0	0	*	*	0	0
	Colorado River Indian Tribe	13	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	8	0†	*	*	*	0	0	0	*	0	0	0	0	0
	Fort Mohave Indian Tribe	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	214	90†	8	36	*	31	0	7	6	*	6	19	0	*
	Havasupai Tribe	9	10†	*	*	0	*	0	*	0	0	0	0	0	0
	Hopi Tribe	62	30†	*	8	*	12	0	*	0	*	*	6	0	0
	Hualapai Tribe	13	0†	*	*	*	*	0	0	0	0	0	0	0	0
	Kaibab Indian Reservation	1	0†	0	*	0	0	0	0	0	0	0	0	0	0
	Navajo Nation	963	460†	41	188	34	148	0	39	52	10	7	92	*	0
	Pascua Yaqui Tribe	14	10†	0	*	0	*	0	*	*	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	89	40†	*	13	*	14	0	*	*	*	*	*	0	*
	San Carlos Apache Tribe	161	70†	7	16	*	22	*	11	*	*	6	17	0	*
	Tohono O'Odham Nation	107	60†	*	24	*	17	0	10	21	0	0	*	0	0
	White Mountain Apache Tribe	206	90†	13	32	*	34	0	21	*	7	9	13	0	*
	Yavapai-Apache Nation	4	0†	0	*	0	0	0	0	0	0	0	0	0	0
	TOTAL	1,900†	860†	90†	330†	50†	290†	0†	100†	90†	30†	30†	160†	0†	0†
Resided off reservation	---in Maricopa County	1,133	440†	39	208	19	124	*	39	35	7	7	60	*	*
	---in Pima County	256	140†	*	56	12	43	*	30	54	*	*	13	0	*
	---in Coconino County	252	110†	9	60	6	39	*	*	*	*	0	13	*	0
	---elsewhere in Arizona	551	220†	15	113	*	55	*	24	17	6	8	27	0	0
		TOTAL	2,192	904	70†	437	40†	261	0†	100†	110†	20†	20†	113	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 Medical risk factors do not sum to the number of births with medical risk factors as each birth may be associated with multiple medical risk factors.

**4.9
SMOKING DURING PREGNANCY (2020 STATUS)**

		TOTAL BIRTHS	Smoking during pregnancy			
			Non Smoker	Light Smoker	Heavy Smoker	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	3,780†	100†	20†	190†
Resided on reservation	Ak-Chin Indian Community	14	14	0	0	0
	Cocopah Tribe	10†	12	*	0	0
	Colorado River Indian Tribe	10†	11	*	0	0
	Fort McDowell Yavapai Nation Reservation	10†	7	*	0	0
	Fort Mohave Indian Tribe	0†	*	0	0	0
	Gila River Indian Community	210†	210	*	*	0
	Havasupai Tribe	10†	6	*	0	*
	Hopi Tribe	60†	60	*	0	0
	Hualapai Tribe	13	13	0	0	0
	Kaibab Indian Reservation	0†	0	0	0	*
	Navajo Nation	963	802	8	0	153
	Pascua Yaqui Tribe	10†	13	0	0	*
	Salt River Pima-Maricopa Indian Community	90†	88	*	0	0
	San Carlos Apache Tribe	160†	153	*	*	*
	Tohono O'Odham Nation	110†	100	6	*	0
	White Mountain Apache Tribe	206	197	9	0	0
	Yavapai-Apache Nation	0†	*	0	0	0
	TOTAL	1,900†	1,690†	40†	10†	160†
Resided off reservation	---in Maricopa County	1,130†	1,094	27	*	8
	---in Pima County	260†	243	9	*	0
	---in Coconino County	250†	245	*	0	*
	---elsewhere in Arizona	550†	504	21	*	21
		TOTAL	2,192	2,086	60†	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.



UTILIZATION OF MEDICAL SERVICES

4.10
TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN (2020 STATUS)

		TOTAL BIRTHS	Prenatal care				
			No care	1st trimester	2nd trimester	3rd trimester	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	170†	2,340†	920†	440†	210†
Resided on reservation	Ak-Chin Indian Community	10†	*	7	*	*	*
	Cocopah Tribe	10†	0	7	*	*	*
	Colorado River Indian Tribe	10†	0	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	10†	*	*	*	*	*
	Fort Mohave Indian Tribe	0†	0	*	*	0	0
	Gila River Indian Community	214	9	123	53	22	7
	Havasupai Tribe	10†	*	*	*	*	*
	Hopi Tribe	60†	*	31	14	*	11
	Hualapai Tribe	10†	*	*	*	*	0
	Kaibab Indian Reservation	0†	0	0	*	0	0
	Navajo Nation	963	35	583	218	80	47
	Pascua Yaqui Tribe	10†	*	8	*	*	0
	Salt River Pima-Maricopa Indian Community	90†	*	59	13	12	*
	San Carlos Apache Tribe	161	15	75	26	36	9
	Tohono O'Odham Nation	107	17	43	34	13	0
	White Mountain Apache Tribe	206	15	114	54	21	*
Yavapai-Apache Nation	0†	0	*	*	*	0	
	TOTAL	1,900†	100†	1,060†	440†	200†	90†
Resided off reservation	---in Maricopa County	1,133	31	662	245	133	62
	---in Pima County	256	30	132	64	29	*
	---in Coconino County	250†	*	144	51	19	36
	---elsewhere in Arizona	551	9	333	125	58	26
	TOTAL	2,192	70†	1,271	485	239	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.

**4.11
NUMBER OF PRENATAL VISITS (2020 STATUS)**

		TOTAL BIRTHS	Prenatal visits					
			No visits	1-4 visits	5-8 visits	9-12 visits	13+ visits	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	170†	490†	1,090†	1,410†	800†	120†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	*	6	*	0
	Cocopah Tribe	10†	0	*	*	*	*	*
	Colorado River Indian Tribe	10†	0	*	7	*	*	0
	Fort McDowell Yavapai Nation Reservation	10†	*	*	*	*	*	0
	Fort Mohave Indian Tribe	0†	0	0	*	*	0	0
	Gila River Indian Community	214	9	24	49	72	59	*
	Havasupai Tribe	10†	*	*	*	*	0	*
	Hopi Tribe	60†	*	9	16	13	13	9
	Hualapai Tribe	10†	*	*	*	6	0	0
	Kaibab Indian Reservation	0†	0	0	0	*	0	0
	Navajo Nation	963	35	120	262	342	167	37
	Pascua Yaqui Tribe	10†	*	*	0	*	6	0
	Salt River Pima-Maricopa Indian Community	90†	*	13	22	28	21	*
	San Carlos Apache Tribe	161	15	45	60	27	14	0
	Tohono O'Odham Nation	107	17	23	27	30	10	0
	White Mountain Apache Tribe	206	15	23	76	75	16	*
Yavapai-Apache Nation	0†	0	0	*	*	*	0	
	TOTAL	1,900†	100†	270†	540†	620†	310†	50†
Resided off reservation	---in Maricopa County	1,133	31	121	294	425	241	21
	---in Pima County	256	30	35	80	76	35	0
	---in Coconino County	250†	*	22	56	86	54	32
	---elsewhere in Arizona	551	9	46	127	200	158	11
		TOTAL	2,192	70†	224	557	787	488

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.

**4.12
OBSTETRIC PROCEDURES (2020 STATUS)**

		TOTAL BIRTHS	Births with obstetrics procedure	Obstetric procedures ^a					
				Induction of labor	Augmentation of labor	Cervical cerclage	Tocolysis	External cephalic version successful	External cephalic version failed
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	2,180†	1,390†	1,120†	0†	30†	10†	20†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	*	0	0	0	0
	Cocopah Tribe	10†	*	*	*	0	0	0	0
	Colorado River Indian Tribe	10†	*	*	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	10†	*	*	*	0	0	0	0
	Fort Mohave Indian Tribe	0†	*	*	0	0	0	0	0
	Gila River Indian Community	210†	88	70	38	0	*	0	0
	Havasupai Tribe	10†	*	*	0	0	0	0	0
	Hopi Tribe	62	37	26	19	0	0	0	0
	Hualapai Tribe	13	6	6	0	0	0	0	0
	Kaibab Indian Reservation	0†	*	*	*	0	0	0	0
	Navajo Nation	960†	529	343	252	*	0	*	9
	Pascua Yaqui Tribe	10†	8	*	*	0	0	0	0
	Salt River Pima-Maricopa Indian Community	90†	40	28	23	0	0	0	*
	San Carlos Apache Tribe	160†	77	41	44	0	*	0	0
	Tohono O'Odham Nation	110†	54	27	28	0	*	0	0
	White Mountain Apache Tribe	206	111	74	35	0	6	0	0
	Yavapai-Apache Nation	0†	*	*	0	0	0	0	0
	TOTAL	1,900†	970†	640†	450†	0†	10†	0†	10†
Resided off reservation	---in Maricopa County	1,130†	598	378	351	0	6	*	*
	---in Pima County	260†	152	72	89	0	*	*	0
	---in Coconino County	250†	150	104	74	0	0	*	*
	---elsewhere in Arizona	550†	306	204	150	*	*	0	*
		TOTAL	2,190†	1,206	758	664	0†	20†	0†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Obstetric procedures do not sum to the number of total births as each birth may be associated with multiple obstetric procedures.

**4.13
COMPLICATIONS OF LABOR AND DELIVERY (2020 STATUS)**

		TOTAL BIRTHS	Births with complications of labor and or delivery	Births with complications of labor and delivery ^a												
				Premature rupture of the membranes	Precipitous labor	Prolonged labor	Breech presentation	Chorioamnionitis	Meconium staining of the amniotic fluid	Fetal intolerance	Maternal transfusion	Third or fourth degree perineal laceration	Ruptured uterus	Unplanned Hysterectomy	Admission to intensive care unit	Unplanned surgery following delivery
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	1,320†	280†	330†	130†	140†	50†	300†	270†	70†	20†	0†	0	10†	20†
Resided on reservation	Ak-Chin Indian Community	14	0†	*	0	*	*	0	0	0	0	0	0	0	0	0
	Cocopah Tribe	14	10†	0	*	*	*	0	*	0	*	0	0	0	0	0
	Colorado River Indian Tribe	13	0†	*	0	0	0	0	0	0	0	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	8	0†	0	*	0	0	0	0	0	0	0	0	0	0	0
	Fort Mohave Indian Tribe	*	0†	0	*	0	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	214	70†	11	7	6	6	*	27	19	*	0	0	0	*	*
	Havasupai Tribe	9	0†	*	0	0	0	0	*	*	0	0	0	0	0	0
	Hopi Tribe	62	20†	*	6	0	0	0	*	*	0	*	0	0	0	0
	Hualapai Tribe	13	10†	*	*	*	0	0	0	*	0	0	0	0	0	0
	Kaibab Indian Reservation	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Navajo Nation	963	340†	77	105	36	40	13	53	58	17	*	*	0	*	7
	Pascua Yaqui Tribe	14	10†	*	*	*	0	*	*	0	*	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	89	30†	*	21	0	*	0	6	*	*	0	0	0	0	*
	San Carlos Apache Tribe	161	50†	9	13	*	7	0	15	15	6	0	0	0	0	0
	Tohono O'Odham Nation		50†	15	14	*	*	*	9	*	*	*	0	0	0	0
	White Mountain Apache Tribe	206	60†	*	18	7	7	*	20	7	*	0	*	0	*	*
Yavapai-Apache Nation	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	1,900†	650†	130†	190†	60†	70†	20†	140†	110†	40†	10†	0†	0	10†	10†
Resided off reservation	---in Maricopa County	1,133	100†	76	62	29	48	22	78	97	16	*	*	0	*	6
	---in Pima County	256	80†	31	34	20	*	*	28	8	*	*	0	0	0	0
	---in Coconino County	252	140†	15	16	10	9	*	15	26	7	*	0	0	*	*
	---elsewhere in Arizona	551	650†	28	24	12	11	8	39	27	8	*	0	0	*	0
		TOTAL	2,192	669	150	136	71	70†	40†	160	158	40†	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 Complications of labor and/or delivery do not sum to the sum of births with complications of labor and/or delivery as each birth may be associated with multiple complications.

**4.14
METHOD OF DELIVERY (2020 STATUS)**

		TOTAL BIRTHS	Method of delivery ^a			
			Vaginal	C-Section	Forceps	Vacuum
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	2,920†	1,100†	10†	60†
Resided on reservation	Ak-Chin Indian Community	14	10	*	0	0
	Cocopah Tribe	14	*	9	0	0
	Colorado River Indian Tribe	13	11	*	0	0
	Fort McDowell Yavapai Nation Reservation	8	6	*	0	0
	Fort Mohave Indian Tribe	*	*	0	0	0
	Gila River Indian Community	214	136	76	0	*
	Havasupai Tribe	9	7	*	0	0
	Hopi Tribe	62	55	7	0	0
	Hualapai Tribe	13	8	*	0	0
	Kaibab Indian Reservation	*	*	0	0	0
	Navajo Nation	963	754	199	0	10
	Pascua Yaqui Tribe	14	9	*	0	*
	Salt River Pima-Maricopa Indian Community	89	58	30	0	*
	San Carlos Apache Tribe	161	103	51	*	*
	Tohono O'Odham Nation	107	74	30	*	*
	White Mountain Apache Tribe	206	141	61	0	*
Yavapai-Apache Nation	*	*	*	0	0	
	TOTAL	1,900†	1,380†	480†	0†	30†
Resided off reservation	---in Maricopa County	1,133	755	359	*	16
	---in Pima County	256	184	67	0	*
	---in Coconino County	252	186	63	0	*
	---elsewhere in Arizona	551	413	123	*	13
	TOTAL	2,190†	1,538	612	10†	40†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Method of delivery does not sum to the number of total births as each birth may be associated with multiple methods of delivery.

**4.15
ATTENDANT AT BIRTH (2020 STATUS)**

		TOTAL BIRTHS	M.D.	C.N.M / C.M.	Midwife	D.O.	Other	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	2,490†	900†	0†	490†	210†	0†
Resided on reservation	Ak-Chin Indian Community	10†	11	*	0	*	0	0
	Cocopah Tribe	10†	11	*	0	0	0	0
	Colorado River Indian Tribe	13	13	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	8	8	0	0	0	0	0
	Fort Mohave Indian Tribe	0†	*	0	0	0	0	0
	Gila River Indian Community	210†	178	*	0	34	0	0
	Havasupai Tribe	10†	8	*	0	0	0	0
	Hopi Tribe	60†	22	33	0	6	*	0
	Hualapai Tribe	13	6	0	0	7	0	0
	Kaibab Indian Reservation	0†	0	0	0	0	*	0
	Navajo Nation	963	271	505	0	32	154	*
	Pascua Yaqui Tribe	10†	11	*	0	0	0	0
	Salt River Pima-Maricopa Indian Community	90†	78	*	0	7	0	0
	San Carlos Apache Tribe	160†	156	*	0	*	0	0
	Tohono O'Odham Nation	110†	100	*	0	*	0	0
	White Mountain Apache Tribe	206	74	0	0	125	6	*
	Yavapai-Apache Nation	0†	*	0	0	0	0	0
	TOTAL	1,900†	950†	560†	0	220†	160†	0†
Resided off reservation	---in Maricopa County	1,133	811	174	0	135	13	0
	---in Pima County	260†	225	27	0	*	*	0
	---in Coconino County	252	147	62	0	37	6	0
	---elsewhere in Arizona	550†	351	78	*	93	28	0
		TOTAL	2,190†	1,534	341	0†	270†	50†

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.



NEWBORN'S HEALTH

**4.16
GESTATIONAL AGE (2020 STATUS)**

		TOTAL BIRTHS	Length of gestation			
			<37 weeks	37-41 weeks	42+ weeks	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	440†	3,620†	10†	20†
Resided on reservation	Ak-Chin Indian Community	10†	*	11	0	0
	Cocopah Tribe	10†	*	12	0	0
	Colorado River Indian Tribe	10†	*	11	0	0
	Fort McDowell Yavapai Nation Reservation	10†	*	*	0	*
	Fort Mohave Indian Tribe	0†	0	*	0	0
	Gila River Indian Community	214	33	180	0	*
	Havasupai Tribe	10†	*	7	*	0
	Hopi Tribe	60†	*	57	0	*
	Hualapai Tribe	13	0	13	0	0
	Kaibab Indian Reservation	0†	0	*	0	0
	Navajo Nation	963	110	847	0	6
	Pascua Yaqui Tribe	10†	*	13	0	0
	Salt River Pima-Maricopa Indian Community	90†	15	73	*	0
	San Carlos Apache Tribe	161	26	134	0	*
	Tohono O'Odham Nation	107	10	96	0	*
	White Mountain Apache Tribe	210†	28	176	*	0
	Yavapai-Apache Nation	0†	0	*	0	0
	TOTAL	1,130†	240†	1,640†	0†	10†
Resided off reservation	---in Maricopa County	1,130†	101	1,023	*	7
	---in Pima County	260†	28	227	*	0
	---in Coconino County	252	19	232	0	*
	---elsewhere in Arizona	551	57	494	0	0
		TOTAL	2,190†	205	1,976	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.

**4.17
WEIGHT AT BIRTH (2020 STATUS)**

		TOTAL BIRTHS	Weight at birth					
			<1,000 grams	1,000-1,499	1,500-2,499	2,500-3,999	4000+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	20†	30†	240†	3,440†	350†	0†
Resided on reservation	Ak-Chin Indian Community	10†	*	0	*	6	6	0
	Cocopah Tribe	10†	0	0	0	11	*	0
	Colorado River Indian Tribe	10†	0	0	*	11	0	0
	Fort McDowell Yavapai Nation Reservation	10†	*	0	*	*	*	0
	Fort Mohave Indian Tribe	0†	0	0	0	*	*	0
	Gila River Indian Community	210†	*	*	15	176	18	0
	Havasupai Tribe	10†	0	0	*	8	0	0
	Hopi Tribe	60†	0	0	7	51	*	*
	Hualapai Tribe	10†	0	0	*	10	0	0
	Kaibab Indian Reservation	0†	0	0	0	*	0	0
	Navajo Nation	962	8	6	65	815	68	*
	Pascua Yaqui Tribe	10†	0	0	*	12	*	0
	Salt River Pima-Maricopa Indian Community	90†	0	*	9	70	9	0
	San Carlos Apache Tribe	160†	*	0	12	139	9	0
	Tohono O'Odham Nation	110†	*	*	9	83	13	0
	White Mountain Apache Tribe	210†	*	*	10	177	14	0
	Yavapai-Apache Nation	0†	0	0	0	*	0	0
	TOTAL	1,890†	10†	20†	140†	1,580†	150†	0†
Resided off reservation	---in Maricopa County	1,130†	*	8	52	956	114	0
	---in Pima County	256	6	0	10	217	23	0
	---in Coconino County	250†	0	*	11	219	21	0
	---elsewhere in Arizona	550†	*	*	34	468	46	0
		TOTAL	2,192	10†	10†	107	1,860	204

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.

**4.18
ABNORMAL CONDITIONS OF THE NEWBORN (2020 STATUS)**

		TOTAL BIRTHS	Births with abnormal conditions of the newborn	Abnormal conditions ^a					
				Assisted ventilation immediately after delivery	Assisted ventilation for more than 6 hours	Surfactant replacement therapy	Suspected neonatal sepsis	Seizure or serious neurologic dysfunction	Significant birth injury
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,090†	218	150†	90†	10†	100†	0†	10†
Resided on reservation	Ak-Chin Indian Community	14	*	*	*	0	0	0	0
	Cocopah Tribe	14	0	0	0	0	0	0	0
	Colorado River Indian Tribe	13	0	0	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	8	*	*	0	0	*	0	0
	Fort Mohave Indian Tribe	*	0	0	0	0	0	0	0
	Gila River Indian Community	214	17	13	7	*	8	0	*
	Havasupai Tribe	9	*	*	*	0	0	0	0
	Hopi Tribe	62	*	*	0	0	*	0	0
	Hualapai Tribe	13	*	*	0	0	0	0	0
	Kaibab Indian Reservation	*	0	0	0	0	0	0	0
	Navajo Nation	963	54	30	18	*	21	*	*
	Pascua Yaqui Tribe	14	*	*	*	0	*	0	0
	Salt River Pima-Maricopa Indian Community	89	*	*	0	0	*	0	0
	San Carlos Apache Tribe	161	14	11	7	*	6	0	0
	Tohono O'Odham Nation	107	*	*	*	*	*	0	0
	White Mountain Apache Tribe	206	25	17	13	*	10	0	0
	Yavapai-Apache Nation	*	0	0	0	0	0	0	0
	TOTAL	1,130†	130†	80†	50†	10†	50†	0†	0†
Resided off reservation	---in Maricopa County	256	40	25	15	*	23	0	0
	---in Pima County	252	11	10	9	*	6	0	0
	---in Coconino County	551	13	7	*	0	6	0	*
	---elsewhere in Arizona	1,895	28	22	9	*	11	0	*
		TOTAL	2,192	92	64	30†	10†	46	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 Abnormal conditions do not sum to the number of births with abnormal conditions of the newborn as each birth may be associated with multiple abnormal conditions.

4.19
CONGENITAL ANOMALIES / BIRTH DEFECTS (2020 STATUS)

	TOTAL BIRTHS	Births with congenital anomalies	Congenital anomalies of the newborn ^a											
			Anencephalus	Spina bifida / Meningocele	Cyanotic congenital heart disease	Congenital diaphragmatic hernia	Omphalocele / Gastroschisis	Limb reduction defect	Cleft lip / palate	Down syndrome	Suspected chromosomal disorder	Hypospadias	Unknown congenital anomalies	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	4,087	26	0†	0	0†	0	0†	0†	0†	10†	0†	10†	0	0†
Resided on reservation														
Ak-Chin Indian Community	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocopah Tribe	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado River Indian Tribe	13	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort McDowell Yavapai Nation Reservation	8	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Mohave Indian Tribe	*	0	0	0	0	0	0	0	0	0	0	0	0	0
Gila River Indian Community	214	*	0	0	0	0	0	0	0	*	0	*	0	0
Havasupai Tribe	9	0	0	0	0	0	0	0	0	0	0	0	0	0
Hopi Tribe	62	0	0	0	0	0	0	0	0	0	0	0	0	0
Hualapai Tribe	13	0	0	0	0	0	0	0	0	0	0	0	0	0
Kaibab Indian Reservation	*	0	0	0	0	0	0	0	0	0	0	0	0	0
Navajo Nation	963	7	*	0	*	0	*	*	0	*	*	0	*	
Pascua Yaqui Tribe	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Salt River Pima-Maricopa Indian Community	89	0	0	0	0	0	0	0	0	0	0	0	0	0
San Carlos Apache Tribe	161	*	0	0	0	0	0	0	0	0	0	0	0	*
Tohono O'Odham Nation	107	*	0	0	0	0	0	0	*	0	0	0	0	0
White Mountain Apache Tribe	206	*	0	0	0	0	0	0	*	0	0	0	0	0
Yavapai-Apache Nation	*	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,900†	10†	0†	0	0†	0	0†	0†	0†	0†	0†	0†	0	0†
Resided off reservation														
---in Maricopa County	1,133	*	0	0	0	0	0	*	*	*	0	*	0	*
---in Pima County	256	*	0	0	*	0	0	0	0	*	0	0	0	0
---in Coconino County	252	*	0	0	0	0	0	0	0	0	*	0	0	0
---elsewhere in Arizona	551	*	0	0	*	0	0	0	0	*	*	*	0	0
TOTAL	2,192	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 Congenital anomalies do not sum to the number of births with congenital anomalies as each birth may be associated with multiple congenital anomalies.

4.20

CAUSES OF INFANT DEATHS AMONG AMERICAN INDIAN RESIDENTS, ARIZONA, 2020

	TOTAL STATE	Resided on reservation						Resided off reservation				
		Ak-Chin Indian Community	Gila River Indian Community	Havasupai Tribe	Navajo Nation	White Mountain Apache Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Total, all causes	33	0†	0†	1	10†	0†	10†	10†	0†	0	10†	20†
Certain conditions originating in the perinatal period	10†	*	*	0	*	0	0†	*	*	0	*	*
Maternal complications	0	0	0	0	0	0	0	0	0	0	0	0
Complications of placenta, cord and membrane	0	0	0	0	0	0	0	0	0	0	0	0
Short gestation and low birth weight	0†	*	0	0	0	0	1	0	0	0	*	*
Bacterial sepsis of newborn	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations	10†	0	0	0	*	0	0†	*	0	0	0	*
of heart	0†	0	0	0	*	0	0†	*	0	0	0	*
of brain, spinal cord or nervous system	0†	0	0	0	*	0	0†	0	0	0	0	0
Sudden infant death syndrome	0†	0	0	0	0	0	0	*	0	0	*	*
Accidents (unintentional injury)	10†	0	*	0	*	0	0†	*	*	0	*	*
Influenza and pneumonia	0†	0	0	0	0	*	0†	*	0	0	0	*
Diseases of the digestive system	0†	0	0	0	0	0	0	*	0	0	0	*
Infectious and parasitic diseases	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the nervous system	0	0	0	0	0	0	0	0	0	0	0	0
Mechanical suffocation	0†	0	*	0	0	0	1	*	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.

4.21
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2020

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total births		4,087	590†	10†	500†	120†	80†	0†	30†	1,290†	40†	660†	380†	310†	0†	40†	50†
Mother's age group	<15	0†	0	0	*	0	0	0	0	0	0	0	*	0	0	*	0
	15-17	110†	12	0	10	7	*	0	*	31	0	22	15	6	0	0	*
	18-19	230†	25	*	18	11	*	0	*	82	*	38	24	17	0	0	*
	20-24	1,090†	157	*	132	32	19	*	6	328	18	173	103	89	*	8	19
	25-29	1,160†	168	*	144	33	28	*	9	361	7	191	103	81	0	13	12
	30-34	980†	131	*	126	25	17	0	*	326	8	152	81	79	0	15	10
	35-39	430†	72	0	59	8	*	0	*	136	*	67	40	31	0	*	*
	40-44	90†	21	0	11	*	*	0	*	23	*	15	8	6	0	0	*
	45+	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Payee for births	AHCCCS	2,840†	472	8	394	27	20	*	20	886	31	549	225	146	*	23	36
	IHS	520†	35	0	38	79	43	0	*	127	*	21	72	90	0	0	6
	Private insurance	600†	48	*	60	11	14	*	*	241	*	72	70	62	0	12	*
	Self-pay	80†	18	0	*	*	*	*	*	25	0	9	*	*	0	*	*
	Unknown	50†	13	*	*	0	0	0	0	10	0	7	*	6	0	*	0
Mother's education	8th Grade or Less	60†	*	0	*	*	*	0	0	26	0	*	9	7	0	*	0
	Some High School	960†	84	*	72	39	22	0	9	313	18	152	115	112	0	7	17
	High School / GED	1,480†	201	*	214	44	35	*	14	417	11	254	141	110	*	17	20
	Some College	1,040†	189	*	138	27	12	*	*	348	8	166	75	50	0	8	6
	Associate Degree	310†	63	*	43	*	6	0	0	107	*	46	16	14	0	*	*
	Bachelor's Degree	170†	31	*	23	*	*	0	0	59	*	27	12	11	0	*	*
	Postgraduate Education	60†	12	0	8	*	0	0	0	18	0	7	8	*	0	0	0
	Unknown	10†	*	0	*	*	*	0	*	*	0	*	0	*	0	0	0
Marital status	Married	830†	112	6	109	17	23	*	*	274	10	142	57	47	*	11	9
	Unmarried^a	3,220†	468	6	387	101	54	*	23	1,000	29	509	314	259	0	27	39
	Unknown	50†	6	0	*	*	*	0	0	15	0	7	*	*	0	0	*
Weight gain	Inadequate	930†	159	*	111	25	17	0	6	286	*	148	83	59	0	13	10
	Adequate	1,110†	165	*	139	32	22	*	*	357	16	197	87	71	0	11	9
	Excessive	1,970†	247	6	242	60	38	*	16	623	17	303	202	173	*	13	29
	Unknown	70†	15	0	9	*	*	0	0	23	*	10	*	6	0	*	*
Substance use	Non Smoker	3,780†	440	10	487	112	72	*	24	1,248	34	614	355	296	*	36	46
	Light Smoker	100†	*	*	*	*	*	0	*	29	*	17	15	9	0	*	*
	Heavy Smoker	20†	0	0	0	*	0	0	*	*	*	*	*	0	0	0	0
	Unknown	190†	143	0	9	0	*	0	0	8	*	26	*	0	0	0	0
Length of gestation	<37 weeks	440†	67	0	43	20	11	0	6	126	*	73	39	45	0	*	*
	37-41 weeks	3,620†	517	12	453	99	66	*	21	1,152	36	581	335	263	*	34	45
	42+ weeks	10†	0	0	*	0	0	0	0	*	0	*	*	0	0	0	0
	Unknown	20†	*	0	*	0	*	0	0	8	0	*	*	*	0	0	0

4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2020

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	
Weight at birth	<1,000 grams	20†	*	0	*	*	0	0	*	0	*	7	*	0	0	0	
	1,000-1,499	30†	*	0	*	0	0	0	10	0	6	*	*	0	*	0	
	1,500-2,499	240†	48	0	26	12	*	0	64	*	37	20	22	0	0	*	
	2,500-3,999	3,440†	496	11	430	100	69	*	20	1,080	30	569	311	249	*	35	37
	4000+	350†	37	*	40	*	*	*	*	130	*	40	37	34	0	*	11
	Unknown	0†	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Prenatal care	No care	170†	23	0	11	9	8	0	33	*	24	50	11	0	0	*	
	1st trimester	2,340†	368	*	289	60	37	*	757	19	384	182	188	*	20	21	
	2nd trimester	920†	128	*	105	20	12	*	271	13	154	100	77	0	12	18	
	3rd trimester	440†	43	*	46	21	20	*	7	156	*	56	43	28	0	6	9
	Unknown	210†	24	0	50	9	*	0	7	72	*	40	*	*	0	0	*
	Prenatal visits	No visits	170†	23	0	11	9	8	0	33	*	24	50	11	0	0	*
1-4 visits		490†	58	*	54	31	20	*	148	*	82	59	22	0	*	6	
5-8 visits		1,090†	156	*	117	48	23	*	333	8	181	107	75	0	9	19	
9-12 visits		1,410†	215	6	181	24	15	*	6	472	22	226	110	103	*	13	14
13+ visits		800†	114	*	94	7	12	0	*	277	*	121	50	97	0	12	9
Unknown		120†	20	0	44	0	0	0	*	26	*	24	0	*	0	0	*
Newborn intensive care		Yes	3,750†	537	12	475	106	71	*	26	1,191	35	616	328	268	*	35
	No	340†	49	0	26	13	7	0	*	98	*	42	48	41	0	*	6
Method of delivery	Vaginal	2,920†	462	11	375	75	54	*	21	860	29	511	266	202	0	25	28
	C-Section	1,100†	123	*	119	36	23	0	6	408	9	131	101	105	*	11	21
	Forceps	10†	0	0	0	*	0	0	0	*	0	0	*	0	0	*	0
	Vacuum	60†	*	0	7	*	*	*	0	18	*	16	8	*	0	*	*
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Obstetric procedures^b	Total	2,180†	340	*	288	61	40	*	*	666	26	341	213	145	*	19
Induction of labor		1,390†	215	*	205	33	22	*	*	428	19	224	102	107	*	13	17
Augmentation of labor		1,120†	161	*	133	34	24	*	0	386	7	139	120	80	0	6	20
Cervical cerclage		0†	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Tocolysis		30†	*	0	0	*	0	0	0	7	0	8	7	*	0	0	0
External cephalic version successful		10†	*	0	*	0	0	0	0	*	0	0	*	0	0	0	0
External cephalic version failed		20†	*	0	7	0	0	0	0	*	0	*	0	0	0	0	0
Total		1,760†	293	*	221	52	33	*	*	504	10	283	206	128	0	7	18
Births with medical risk factors^b	Pre-existing diabetes	150†	33	0	21	*	*	0	*	48	*	18	8	12	0	0	*
	Gestational diabetes	770†	113	*	110	15	9	0	0	233	*	128	85	58	0	*	6
	Pre-existing hypertension	100†	18	*	16	*	*	0	0	24	*	14	14	*	0	0	*
	Gestational hypertension	550†	95	0	79	19	7	0	0	149	*	88	61	43	0	*	*
	Eclampsia	10†	0	0	*	0	*	0	0	*	0	*	*	0	0	0	0
	Previous preterm birth	200†	28	0	11	8	*	0	*	46	0	41	41	10	0	0	7
	Other previous poor pregnancy outcome	200†	53	0	*	*	*	0	0	40	0	11	77	6	0	*	*
	Gonorrhea	50†	9	0	*	*	*	0	0	9	*	11	*	*	0	0	*
	Syphilis	50†	*	0	*	6	*	0	0	9	0	18	*	8	0	0	*
	Chlamydia	270†	57	0	35	12	8	*	0	68	*	48	18	20	0	*	*
	Hepatitis B	0†	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0
	Hepatitis C	10†	0	0	0	*	0	0	0	*	0	*	*	*	0	0	0

4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2020

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	
Births with complications of labor and delivery^b	Total	1,320†	205	7	181	49	20	0	*	407	12	169	152	82	0	6	23
	Premature rupture of the membranes	280†	46	*	43	10	*	0	*	78	*	23	48	18	0	0	*
	Precipitous labor	330†	68	*	33	13	*	0	*	88	*	60	50	*	0	*	*
	Prolonged labor	130†	15	*	25	*	*	0	0	32	*	18	26	6	0	0	*
	Breech presentation	140†	23	*	21	6	*	0	0	51	0	16	9	9	0	*	*
	Chorioamnionitis	50†	*	*	13	0	*	0	0	23	*	*	*	*	0	0	*
	Meconium staining of the amniotic fluid	300†	37	0	30	11	11	0	*	90	0	33	42	33	0	*	11
	Fetal intolerance	270†	34	*	44	18	*	0	*	103	*	26	11	22	0	*	*
	Maternal transfusion	70†	9	0	12	*	*	0	0	18	0	13	8	6	0	0	*
	Third or fourth degree perineal laceration	20†	*	0	*	0	0	0	0	*	*	*	*	*	0	*	0
	Ruptured uterus	0†	*	0	0	0	0	0	0	*	0	*	0	0	0	0	0
	Unplanned hysterectomy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Admission to intensive care unit	10†	*	0	*	0	0	0	0	*	0	*	0	*	0	0	*
Unplanned surgery following delivery	20†	*	0	*	0	0	0	0	8	0	*	0	0	0	0	0	
Abnormal conditions of the newborn^b	Total	220†	41	0	22	13	*	0	0	46	*	42	18	19	0	*	*
	Assisted ventilation immediately after delivery	150†	21	0	15	9	*	0	0	29	*	30	14	14	0	*	*
	Assisted ventilation for more than 6 hours	90†	14	0	7	*	*	0	0	16	0	13	13	9	0	*	*
	Surfactant replacement therapy	10†	0	0	*	*	0	0	0	*	0	*	*	*	0	0	0
	Suspected neonatal sepsis	100†	14	0	8	7	0	0	0	27	*	18	11	9	0	*	*
	Seizure or serious neurologic dysfunction	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Significant birth injury	10†	*	0	*	0	0	0	0	0	*	0	0	*	0	0	0
Congenital anomalies of the newborn^b	Total	30†	*	0	*	*	0	0	0	*	0	*	*	*	0	*	*
	Anencephalus	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Spina bifida / Meningocele	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cyanotic congenital heart disease	0†	*	0	0	0	0	0	0	0	0	*	*	0	0	0	0
	Congenital diaphragmatic hernia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Omphalocele / Gastroschisis	0†	*	0	*	0	0	0	0	*	0	0	0	0	0	0	0
	Limb reduction defect	0†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0
	Cleft lip / palate	10†	0	0	0	0	0	0	0	*	0	*	*	*	0	0	0
	Down syndrome	0†	*	0	*	0	0	0	0	0	0	0	0	0	0	0	0
	Suspected chromosomal disorder	10†	*	0	0	0	0	0	0	*	0	0	0	*	0	*	*
	Hypospadias	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown congenital anomalies	0†	*	0	0	*	0	0	0	*	0	0	0	0	0	0	0	
Infant mortality^c	Total	30†	10†	0	0†	0†	0†	0	0	10†	0	10†	0†	0†	0	0	0
	Neonatal	10†	*	0	*	0	0	0	0	*	0	*	*	*	0	0	0
	Postneonatal	20†	*	0	*	*	*	0	0	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; ^a 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; ^c Total infant mortality includes unknown county of residence.



**V.
PATTERNS OF MORTALITY AMONG AMERICAN INDIANS
BY PLACE OF RESIDENCE IN ARIZONA IN 2020**



AGE-SPECIFIC MORTALITY

5.1
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIANS IN 2020

		TOTAL ^a	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,290†	30†	10†	10†	110†	390†	460†	540†	810†	730†	680†	510†
Resided on reservation	Ak-Chin Indian Community	10†	*	0	0	0	0	0	*	*	*	*	*
	Cocopah Tribe	10†	0	0	0	0	0	*	0	*	*	0	0
	Colorado River Indian Tribe	20†	0	0	0	*	*	0	*	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	0	6	*	*	0	*	0	0
	Fort Mohave Reservation	10†	0	0	0	0	*	0	0	0	*	*	0
	Gila River Indian Community	200†	*	0	*	8	21	25	29	49	33	18	9
	Havasupai Tribe	10†	*	0	0	0	0	0	*	*	0	*	0
	Hopi Tribe	150†	0	0	0	*	10	10	16	31	29	25	23
	Hualapai Tribe	20†	0	0	*	0	*	*	*	7	*	*	0
	Kaibab Indian Reservation	0†	0	0	0	0	0	0	*	0	0	0	0
	Navajo Nation	1,520†	9	*	*	31	114	153	161	259	254	268	268
	Pascua Yaqui Tribe	10†	0	0	0	0	*	*	*	*	*	0	0
	Salt River Pima-Maricopa Indian Community	100†	0	0	0	*	14	9	20	19	18	8	7
	San Carlos Apache Tribe	210†	0	*	*	*	17	20	35	45	43	36	7
	Tohono O'Odham Nation	140†	0	*	0	*	9	17	21	37	18	18	12
	White Mountain Apache Tribe	230†	*	*	*	6	29	29	35	38	34	39	15
	Yavapai-Apache Nation	10†	0	0	0	0	*	0	0	*	*	*	0
Yavapai-Prescott Indian Tribe	0†	0	0	0	0	0	0	0	*	0	0	0	
TOTAL	2,630†	10†	10†	10†	60†	230†	270†	330†	500†	450†	430†	350†	
Resided off reservation	---in Maricopa County	670†	9	*	*	24	88	84	97	125	98	81	58
	---in Pima County	260†	*	0	*	9	17	26	27	60	58	41	18
	---in Coconino County	156	0	0	0	6	22	19	19	18	24	26	22
	---elsewhere in Arizona	570†	6	0	*	16	37	64	69	99	108	105	64
	TOTAL^a	1,660†	20†	0†	10†	55	164	193	212	302	288	253	162

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 may include cases with unknown gender.

5.2
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN MALES IN 2020

		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		2,410†	20†	10†	10†	80†	270†	295	330†	480†	400†	330†	200†
Resided on reservation	Ak-Chin Indian Community	10†	*	0	0	0	0	0	*	*	*	*	0
	Cocopah Tribe	0†	0	0	0	0	0	0	0	*	*	0	0
	Colorado River Indian Tribe	10†	0	0	0	*	*	0	*	*	0	*	*
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	0	*	*	*	0	0	0	0
	Fort Mohave Reservation	0†	0	0	0	0	*	0	0	0	*	0	0
	Gila River Indian Community	110†	0	0	0	6	11	15	14	28	21	7	*
	Havasupai Tribe	0†	0	0	0	0	0	0	*	0	0	*	0
	Hopi Tribe	80†	0	0	0	*	7	7	10	19	13	15	8
	Hualapai Tribe	10†	0	0	*	0	*	*	*	*	*	0	0
	Kaibab Indian Reservation	0†	0	0	0	0	0	0	*	0	0	0	0
	Navajo Nation	900†	6	*	0	20	79	104	113	168	152	147	106
	Pascua Yaqui Tribe	10†	0	0	0	0	*	0	*	*	*	0	0
	Salt River Pima-Maricopa Indian Community	60†	0	0	0	*	11	6	16	9	7	*	*
	San Carlos Apache Tribe	120†	0	0	0	*	12	14	24	28	19	16	*
	Tohono O'Odham Nation	80†	0	*	0	*	7	12	14	20	8	13	*
	White Mountain Apache Tribe	120†	0	0	*	*	19	19	17	20	22	16	*
	Yavapai-Apache Nation	0†	0	0	0	0	0	0	0	*	*	0	0
	Yavapai-Prescott Indian Tribe	0†	0	0	0	0	0	0	0	*	0	0	0
TOTAL	1,520†	7	0†	0†	40†	160†	179	220†	310†	250†	220†	130†	
Resided off reservation	---in Maricopa County	350†	*	*	0	15	59	45	53	74	44	32	24
	---in Pima County	140†	*	0	*	7	15	15	15	36	26	14	6
	---in Coconino County	90†	0	0	0	*	14	12	11	8	19	11	8
	---elsewhere in Arizona	320†	*	0	*	13	20	44	38	54	62	52	31
	TOTAL	900†	10†	0†	0†	40†	108	116	117	172	151	109	69

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.

5.3
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN FEMALES IN 2020

		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		1,880†	20†	0†	10†	30†	130†	170†	210†	330†	330†	350†	310†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	0	0	0	0	*	*	*	*	*
	Cocopah Tribe	10†	0	0	0	0	0	*	0	*	*	0	0
	Colorado River Indian Tribe	10†	0	0	0	0	0	0	0	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	0†	0	0	0	0	*	0	0	0	*	0	0
	Fort Mohave Reservation	0†	0	0	0	0	0	0	0	0	*	*	0
	Gila River Indian Community	90†	*	0	*	*	10	10	15	21	12	11	6
	Havasupai Tribe	0†	*	0	0	0	0	0	*	*	0	0	0
	Hopi Tribe	70†	0	0	0	0	*	*	6	12	16	10	15
	Hualapai Tribe	10†	0	0	*	0	0	*	*	*	*	*	0
	Kaibab Indian Reservation	0	0	0	0	0	0	0	0	0	0	0	0
	Navajo Nation	620†	*	*	*	11	35	49	48	91	102	121	162
	Pascua Yaqui Tribe	0†	0	0	0	0	0	*	*	0	0	0	0
	Salt River Pima-Maricopa Indian Community	40†	0	0	0	*	*	*	*	10	11	*	*
	San Carlos Apache Tribe	90†	0	*	*	*	*	6	11	17	24	20	6
	Tohono O'Odham Nation	50†	0	0	0	0	*	*	7	17	10	*	7
	White Mountain Apache Tribe	110†	*	*	0	*	10	10	18	18	12	23	10
	Yavapai-Apache Nation	0†	0	0	0	0	*	0	0	*	*	*	0
TOTAL	1,120†	10†	0†	0†	20†	70†	90†	110†	200†	200†	210†	210†	
Resided off reservation	---in Maricopa County	320†	*	*	*	9	29	39	44	51	54	49	34
	---in Pima County	120†	*	0	0	*	*	11	12	24	32	27	12
	---in Coconino County	70†	0	0	0	*	8	7	8	10	*	15	14
	---elsewhere in Arizona	250†	*	0	0	*	17	20	31	45	46	53	33
	TOTAL	760†	10†	0†	0†	20†	60†	77	95	130	140†	144	93

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.



CAUSE-SPECIFIC MORTALITY

5.4
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Total, all causes	4,290	2,412	1,878
Salmonella infections	0	0	0
Shigellosis and amebiasis	0	0	0
Certain other intestinal infections	21	7	14
Enterocolitis due to Clostridium difficile	10†	*	7
Tuberculosis	0†	0	*
Respiratory tuberculosis	0†	0	*
Other tuberculosis	0	0	0
Whooping cough	0	0	0
Scarlet fever and erysipelas	0	0	0
Meningococcal infection	0	0	0
Septicemia	45	20	25
Syphilis	0	0	0
Acute poliomyelitis	0	0	0
Arthropod-borne encephalitis	0	0	0
Measles	0	0	0
Viral hepatitis	0†	*	*
Human immunodeficiency virus (HIV) disease	0†	*	*
Malaria	0	0	0
Other and unspecified infectious and parasitic diseases	31	17	14
Malignant neoplasms	274	137	137
Malignant neoplasm of lip, oral cavity and pharynx	0†	*	*
Malignant neoplasm of esophagus	10†	*	*
Malignant neoplasm of stomach	14	8	6
Malignant neoplasm of colon, rectum and anus	30	17	13
Malignant neoplasm of liver and intrahepatic bile ducts	26	14	12
Malignant neoplasm of pancreas	31	20	11
Malignant neoplasm of larynx	0†	*	0
Malignant neoplasm of trachea, bronchus and lung	23	13	10
Malignant melanoma of skin	0†	*	0
Malignant neoplasm of breast	9	0	9
Malignant neoplasm of cervix uteri	0†	0	*
Malignant neoplasm of corpus uteri and uterus, part unspecified	9	0	9
Malignant neoplasm of ovary	11	0	11
Malignant neoplasm of prostate	13	13	0
Malignant neoplasm of kidney and renal pelvis	20	12	8
Malignant neoplasm of bladder	0†	*	*

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Malignant neoplasm of meninges, brain and other parts of central nervous system	0†	*	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	21	11	10
Hodgkin's disease	0	0	0
Non-Hodgkin's lymphoma	10†	6	*
Leukemia	10†	*	*
Multiple myeloma and immunoproliferative neoplasms	0†	*	*
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0
All other and unspecified malignant neoplasm	44	17	27
In situ neoplasms	0†	*	*
Anemias	0†	*	*
Diabetes	259	149	110
Nutritional deficiencies	16	9	7
Malnutrition	14	8	6
Other nutritional deficiencies	0†	*	*
Obesity	10†	7	*
Meningitis	0†	*	0
Parkinson's disease	23	13	10
Alzheimer's disease	40	7	33
Major cardiovascular diseases	542	301	241
Diseases of heart	379	233	146
Acute rheumatic fever and chronic rheumatic heart disease	0†	*	*
Hypertensive heart disease	37	24	13
Hypertensive heart and renal disease	0†	*	0
Ischemic heart disease	216	136	80
Acute myocardial infarction	72	46	26
Other acute ischemic heart disease	0†	*	0
Other forms of chronic ischemic heart disease	142	88	54
Atherosclerotic cardiovascular disease	38	24	14
All other forms of chronic ischemic heart disease	104	64	40
Other heart diseases	122	71	51
Acute and subacute endocarditis	0†	*	*
Diseases of pericardium and acute myocarditis	0	0	0
Heart failure	27	14	13
All other forms of heart disease	91	55	36
Essential (primary) hypertension and hypertensive renal disease	56	23	33
Cerebrovascular diseases	97	41	56

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Atherosclerosis	0†	*	0
Other diseases of circulatory system	10†	*	6
Aortic aneurysm and dissection	0†	0	*
Other disease of arteries, arterioles and capillaries	10†	*	*
Other disorders of circulatory system	10†	6	*
Influenza and pneumonia	97	59	38
Influenza	15	9	6
Pneumonia	82	50	32
COVID-19*	1,194	636	558
Other acute lower respiratory infections	0	0	0
Acute bronchiolitis	0	0	0
Unspecified acute lower respiratory infection	0	0	0
Chronic lower respiratory diseases	47	26	21
Bronchitis, chronic and unspecified	0†	*	0
Emphysema	0†	*	*
Asthma	6	0	6
Other chronic lower respiratory diseases	37	24	13
Pneumoconioses and chemical effects	0	0	0
Pneumonitis due to solids and liquids	10†	8	*
Other disease of respiratory system	54	30	24
Peptic ulcer	0†	0	*
Diseases of appendix	0†	0	*
Hernia	0†	*	*
Chronic liver disease and cirrhosis	274	140	134
Alcoholic liver disease	205	107	98
Other chronic liver disease and cirrhosis	69	33	36
Cholelithiasis and other disorders of gallbladder	10†	8	*
Nephritis, nephrotic syndrome and nephrosis	46	17	29
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0
Chronic glomerulonephritis	0	0	0
Renal failure	46	17	29
Others disorders of kidney	0	0	0
Infections of kidney	0†	*	*
Hyperplasia of prostate	0	0	0
Inflammatory diseases of female pelvic organs	0†	0	*
Pregnancy, childbirth and the puerperium	8	0	8

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Pregnancy with abortive outcome	0	0	0
Other complications of pregnancy, childbirth and the puerperium	8	0	8
Perinatal conditions	10†	*	*
Congenital anomalies, deformations and chromosomal abnormalities	13	7	6
Symptoms, signs, abnormal findings	108	75	33
Total accidents	492	344	148
Transport accidents	136	89	47
Motor vehicle accidents	125	82	43
Other land transport accidents	10†	6	*
Water, air, space	0†	*	*
Nontransport accidents	356	255	101
Falls	46	31	15
Accidental discharge of firearms	0†	*	0
Accidental drowning and submersion	10†	*	0
Accidental exposure to smoke, fire and flames	10†	*	*
Accidental poisoning	248	182	66
Excessive natural heat	10†	8	*
Excessive natural cold	10†	10	*
Other and unspecified nontransport accidents	49	33	16
Intentional self-harm (suicide)	85	65	20
By discharge of firearms	30†	24	*
By other means	57	41	16
Assault (homicide)	77	60	17
By discharge of firearms	45	35	10
By other means	32	25	7
Legal intervention	6	6	0
Events of undetermined intent	25	15	10
Discharge of firearms	0†	*	0
Other and unspecified events of undetermined intent	23	13	10
Operations of war	0	0	0
Complications of medical and surgical care	10†	*	0
Injury by firearms	82	68	14
Drug-induced deaths	185	126	59
Opioid-induced deaths	133	93	40
Alcohol-induced deaths	398	251	147

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 COVID-19 data collection began in mid-March 2020.

5.5
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total, all causes	4,290	33	9	14	113	392	463	542	805	733	679	507
Salmonella infections	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
Certain other intestinal infections	20†	0	0	0	0	*	*	*	*	*	*	*
Enterocolitis due to Clostridium difficile	10†	0	0	0	0	*	0	*	0	*	*	*
Tuberculosis	0†	0	0	0	0	0	*	0	0	0	0	0
Respiratory tuberculosis	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
Whooping cough	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
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	50†	0	0	0	0	*	*	11	8	8	12	*
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	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
Viral hepatitis	0†	0	0	0	*	0	0	0	0	*	0	0
Human immunodeficiency virus (HIV) disease	0†	0	0	0	0	0	0	*	*	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	30†	0	0	*	0	*	*	*	6	6	6	*
Malignant neoplasms	270†	0	0	*	*	8	14	20	58	66	72	33
Malignant neoplasm of lip, oral cavity and pharynx	0†	0	0	0	0	0	0	0	*	*	0	*
Malignant neoplasm of esophagus	10†	0	0	0	0	0	*	*	0	0	*	*
Malignant neoplasm of stomach	10†	0	0	0	0	*	0	0	*	*	6	*
Malignant neoplasm of colon, rectum and anus	30†	0	0	0	0	0	0	*	6	9	*	7
Malignant neoplasm of liver and intrahepatic bile ducts	30†	0	0	0	0	0	0	*	7	7	7	*
Malignant neoplasm of pancreas	30†	0	0	0	0	0	0	*	6	8	11	*
Malignant neoplasm of larynx	0†	0	0	0	0	0	0	0	*	*	0	0
Malignant neoplasm of trachea, bronchus and lung	20†	0	0	0	0	*	0	*	*	8	*	*
Malignant melanoma of skin	0†	0	0	0	0	0	0	0	0	0	*	*
Malignant neoplasm of breast	10†	0	0	0	0	*	*	*	*	*	*	0
Malignant neoplasm of cervix uteri	0†	0	0	0	0	0	*	0	*	0	*	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	10†	0	0	0	0	*	0	0	*	*	*	*
Malignant neoplasm of ovary	10†	0	0	0	*	*	*	*	*	*	*	0
Malignant neoplasm of prostate	10†	0	0	0	0	0	0	0	*	*	7	*

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Malignant neoplasm of kidney and renal pelvis	20†	0	0	0	0	0	*	*	9	*	*	0
Malignant neoplasm of bladder	0†	0	0	0	0	0	0	0	*	*	0	*
Malignant neoplasm of meninges, brain and other parts of central nervous system	0†	0	0	0	0	*	*	0	0	*	*	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	20†	0	0	0	0	*	*	0	*	7	9	0
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	10†	0	0	0	0	*	0	0	*	*	*	0
Leukemia	10†	0	0	0	0	0	*	0	0	*	*	0
Multiple myeloma and immunoproliferative neoplasms	0†	0	0	0	0	0	0	0	*	*	*	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	40†	0	0	*	*	*	*	*	10	9	11	*
In situ neoplasms	0†	0	0	0	0	0	*	0	0	0	*	*
Anemias	0†	0	0	0	0	0	0	0	0	0	*	*
Diabetes	260†	0	0	0	0	*	17	32	65	67	47	27
Nutritional deficiencies	20†	0	0	0	0	0	*	0	*	*	7	*
Malnutrition	10†	0	0	0	0	0	*	0	*	*	7	*
Other nutritional deficiencies	0†	0	0	0	0	0	0	0	*	0	0	0
Obesity	10†	0	0	0	0	*	*	0	*	*	0	0
Meningitis	0†	0	0	0	0	0	0	*	0	*	0	0
Parkinson's disease	20†	0	0	0	0	0	0	0	*	*	9	8
Alzheimer's disease	40†	0	0	0	0	0	0	0	*	*	13	22
Major cardiovascular diseases	540†	*	*	*	*	13	26	53	94	123	130	96
Diseases of heart	380†	*	0	*	*	12	19	34	65	92	91	61
Acute rheumatic fever and chronic rheumatic heart disease	0†	0	0	0	0	0	*	0	0	*	*	0
Hypertensive heart disease	40†	0	0	0	0	*	*	7	8	*	6	7
Hypertensive heart and renal disease	0†	0	0	0	0	0	0	0	*	0	0	0
Ischemic heart disease	220†	0	0	0	0	*	*	20	35	62	60	35
Acute myocardial infarction	70†	0	0	0	0	0	*	*	14	24	20	8
Other acute ischemic heart disease	0†	0	0	0	0	0	0	0	0	*	0	*
Other forms of chronic ischemic heart disease	140†	0	0	0	0	*	*	15	21	37	40	26
Atherosclerotic cardiovascular disease	40†	0	0	0	0	*	*	8	10	9	6	*
All other forms of chronic ischemic heart disease	100†	0	0	0	0	0	*	7	11	28	34	23
Other heart diseases	120†	*	0	*	*	9	12	7	21	25	24	19
Acute and subacute endocarditis	0†	0	0	0	0	*	0	*	*	0	0	0
Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	0	0	0
Heart failure	30†	0	0	0	0	*	*	*	*	7	*	8
All other forms of heart disease	90†	*	0	*	*	7	11	*	15	18	19	11

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Essential (primary) hypertension and hypertensive renal disease	60†	0	0	0	0	0	*	7	11	10	9	15
Cerebrovascular diseases	100†	0	*	*	0	*	*	11	17	18	27	20
Atherosclerosis	0†	0	0	0	0	0	0	0	*	*	0	0
Other diseases of circulatory system	10†	0	0	0	0	0	*	*	0	*	*	0
Aortic aneurysm and dissection	0†	0	0	0	0	0	*	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	10†	0	0	0	0	0	*	*	0	*	*	0
Other disorders of circulatory system	10†	0	0	0	0	0	*	*	*	*	*	0
Influenza and pneumonia	100†	*	0	0	*	*	6	7	20	19	18	19
Influenza	20†	0	0	0	0	*	*	*	*	*	*	*
Pneumonia	80†	*	0	0	*	*	*	6	17	16	16	17
COVID-19 [‡]	1,190†	0	*	0	*	58	80	150	280	261	217	142
Other acute lower respiratory infections	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
Unspecified acute lower respiratory infection	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	50†	0	0	0	0	*	*	*	11	7	13	10
Bronchitis, chronic and unspecified	0†	0	0	0	0	0	*	0	0	0	0	0
Emphysema	0†	0	0	0	0	0	0	0	0	*	*	*
Asthma	10†	0	0	0	0	*	0	*	*	0	*	*
Other chronic lower respiratory diseases	40†	0	0	0	0	0	0	*	10	6	11	8
Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	10†	0	0	0	0	0	*	*	0	*	*	*
Other disease of respiratory system	50†	0	0	0	0	*	*	*	13	7	12	14
Peptic ulcer	0†	0	0	0	0	0	0	0	0	0	0	*
Diseases of appendix	0†	0	0	0	0	0	0	0	*	0	0	0
Hernia	0†	0	0	0	0	0	0	0	0	*	*	*
Chronic liver disease and cirrhosis	270†	0	0	0	*	44	67	66	58	28	7	*
Alcoholic liver disease	210†	0	0	0	*	37	61	49	39	14	*	*
Other chronic liver disease and cirrhosis	70†	0	0	0	0	7	6	17	19	14	*	*
Cholelithiasis and other disorders of gallbladder	10†	0	0	0	0	0	*	0	*	*	*	*
Nephritis, nephrotic syndrome and nephrosis	50†	0	0	0	0	*	*	8	8	9	11	8
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	50†	0	0	0	0	*	*	8	8	9	11	8
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0†	0	0	0	0	0	0	0	*	0	0	0
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Inflammatory diseases of female pelvic organs	0†	0	0	0	0	0	0	0	*	0	*	0
Pregnancy, childbirth and the puerperium	10†	0	0	0	*	*	*	0	0	0	0	0
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0
Other complications of pregnancy, childbirth and the puerperium	10†	0	0	0	*	*	*	0	0	0	0	0
Perinatal conditions	8	8	0	0	0	0	0	0	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	10†	7	*	0	*	0	*	0	0	0	*	0
Symptoms, signs, abnormal findings	110†	*	*	0	*	9	16	13	20	15	13	12
Total accidents	490†	*	*	*	48	141	118	76	47	22	13	14
Transport accidents	140†	*	*	*	17	44	35	18	7	*	*	*
Motor vehicle accidents	130†	*	*	*	17	39	33	16	6	*	*	*
Other land transport accidents	10†	0	0	0	0	*	*	*	0	0	0	0
Water, air, space	0†	0	0	*	0	*	0	0	*	0	0	0
Nontransport accidents	360†	*	*	*	31	97	83	58	40	19	11	13
Falls	50†	0	0	0	*	*	6	8	7	6	6	11
Accidental discharge of firearms	0†	0	0	0	*	0	0	0	0	0	0	0
Accidental drowning and submersion	10†	0	*	0	*	0	*	0	*	*	0	0
Accidental exposure to smoke, fire and flames	10†	0	0	0	0	*	*	0	*	*	0	0
Accidental poisoning	250†	0	0	*	26	87	70	39	20	*	*	0
Excessive natural heat	10†	0	0	0	0	*	0	*	*	*	0	0
Excessive natural cold	10†	0	0	0	0	*	*	*	*	*	*	0
Other and unspecified nontransport accidents	50†	*	0	0	*	7	*	11	11	7	*	*
Intentional self-harm (suicide)	90†	0	0	*	25	34	16	*	*	*	*	0
By discharge of firearms	30†	0	0	0	11	10	*	*	*	0	*	0
By other means	60†	0	0	*	14	24	13	*	0	*	0	0
Assault (homicide)	80†	*	0	*	11	20	29	11	*	0	0	0
By discharge of firearms	50†	0	0	*	8	12	16	6	*	0	0	0
By other means	30†	*	0	0	*	8	13	*	*	0	0	0
Legal intervention	10†	0	0	0	*	*	*	*	0	0	0	0
Events of undetermined intent	30†	*	0	*	0	*	10	*	*	*	*	0
Discharge of firearms	0†	0	0	*	0	*	0	0	0	0	0	0
Other and unspecified events of undetermined intent	20†	*	0	0	0	*	10	*	*	*	*	0
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	10†	0	0	0	0	0	0	*	0	*	0	0
Injury by firearms	80†	0	0	*	21	26	20	8	*	0	*	0
Drug-induced deaths	190†	0	0	*	25	75	48	26	9	0	0	0
Opioid-induced deaths	130†	0	0	*	24	58	36	11	*	0	0	0
Alcohol-induced deaths	400†	0	0	0	*	73	108	94	77	32	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; ‡ The COVID-19 data collection began in mid-March 2020.

5.6

DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation							
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total	
Total, all causes	4,290	13	9	19	10	6	195	5	146	20	1	1,521	8	99	209	135	228	6	1	2,630+	671	262	156	570	1,659	
Salmonella infections	0	0	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 and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	21	0	*	0	*	0	*	0	*	0	0	8	0	*	0	0	0	0	0	0	20+	*	*	0	*	10+
Enterocolitis due to Clostridium difficile	10+	0	0	0	*	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	10+	*	0	0	*	0+
Tuberculosis	0+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0+
Respiratory tuberculosis	0+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0+
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	0	0	0	0	0	0	0	0	0
Septicemia	45	0	0	0	0	0	*	*	*	0	0	9	0	*	*	6	*	0	0	0	30+	*	7	*	*	20+
Syphilis	0	0	0	0	0	0	0	0	0	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	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	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	0	0	0	0	0	0	0	0	0
Viral hepatitis	0+	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0+	0	0	*	0	0+
Human immunodeficiency virus (HIV) 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+
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	31	0	0	0	0	0	*	0	*	*	0	6	0	*	*	*	*	0	0	0	20+	*	*	*	*	10+
Malignant neoplasms	274	*	0	0	0	0	12	0	6	*	0	92	*	6	6	10	9	0	0	0	150+	56	30	10	32	128
Malignant neoplasm of lip, oral cavity and pharynx	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	*	0	0	*	0+	
Malignant neoplasm of esophagus	10+	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0+	*	0	0	0	0	0+
Malignant neoplasm of stomach	10+	0	0	0	0	0	0	0	*	0	0	7	*	0	0	*	*	0	0	0	10+	*	0	0	*	0+
Malignant neoplasm of colon, rectum and anus	30	0	0	0	0	0	*	0	*	0	0	8	0	0	*	*	*	0	0	0	20+	7	*	*	*	20+
Malignant neoplasm of liver and intrahepatic bile ducts	26	0	0	0	0	0	*	0	0	0	0	6	0	*	0	*	0	0	0	0	10+	*	7	*	0	20+
Malignant neoplasm of pancreas	31	0	0	0	0	0	*	0	*	0	0	13	0	0	*	0	*	0	0	0	20+	*	*	0	6	10+
Malignant neoplasm of larynx	0+	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0+	*	0	0	0	0+
Malignant neoplasm of trachea, bronchus and lung	23	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	*	0	0	0	10+	8	*	0	*	20+
Malignant melanoma of skin	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0	0	0+	0	0	0	0	0
Malignant neoplasm of breast	10+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0+	*	*	0	*	10+
Malignant neoplasm of cervix uteri	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0+	*	0	0	0	0+
Malignant neoplasm of corpus uteri and uterus, part unspecified	10+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	10+	*	0	0	*	0+
Malignant neoplasm of ovary	10+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0	0	10+	*	0	0	*	10+
Malignant neoplasm of prostate	13	0	0	0	0	0	0	0	*	0	0	*	0	*	0	0	0	0	0	0	10+	*	*	*	*	10+
Malignant neoplasm of kidney and renal pelvis	20	0	0	0	0	0	*	0	0	0	0	*	0	0	*	*	0	0	0	0	10+	*	*	0	*	10+

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation						
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Malignant neoplasm of bladder	0+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0+	*	*	0	0	0+
Malignant neoplasm of meninges, brain and other parts of CNS	0+	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0+	*	*	0	0	0+
Malignant neoplasm of lymphoid, hematopoietic and related tissue	21	0	0	0	0	0	*	0	0	0	0	9	0	*	*	*	*	0	0	20+	*	0	*	*	10+
Hodgkin's 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
Non-Hodgkin's lymphoma	10+	0	0	0	0	0	*	0	0	0	0	*	0	*	0	*	0	0	0	10+	*	0	*	*	0+
Leukemia	10+	0	0	0	0	0	0	0	0	0	0	*	0	0	*	0	*	0	0	10+	*	0	0	0	0+
Multiple myeloma and immunoproliferative neoplasms	0+	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0+	0	0	0	*	0+
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	44	0	0	0	0	0	*	0	*	*	0	16	0	*	0	0	*	0	0	20+	9	*	*	*	20+
In situ neoplasms	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	0	0	0	*	0+
Anemias	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	*	0	0	0	0+
Diabetes	259	0	*	0	0	0	26	0	7	*	0	82	*	10	18	8	7	*	0	160+	33	15	8	40	96
Nutritional deficiencies	20+	*	0	*	0	0	*	0	0	0	0	6	0	0	0	*	*	0	0	10+	0	*	*	*	0+
Malnutrition	10+	*	0	*	0	0	*	0	0	0	0	*	0	0	0	*	0	0	0	10+	0	*	*	*	0+
Other nutritional deficiencies	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0	0+	0	0	0	0	0
Obesity	10+	0	0	0	0	0	*	0	0	0	0	*	0	*	0	*	0	0	0	0+	*	*	0	*	10+
Meningitis	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	0	0	0	*	0+
Parkinson's disease	23	0	0	0	0	0	*	0	*	0	0	9	0	0	0	0	0	0	0	10+	*	0	*	*	10+
Alzheimer's disease	40	0	0	*	0	0	*	0	0	*	0	10	0	0	*	0	6	*	0	30+	*	*	*	7	20+
Major cardiovascular diseases	542	0	*	*	0	*	35	*	18	0	0	156	0	13	39	12	27	*	0	310+	88	45	15	86	234
Diseases of heart	379	0	*	*	0	0	27	*	8	0	0	109	0	10	27	8	20	0	0	220+	66	31	8	59	164
Acute rheumatic fever and chronic rheumatic heart disease	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	*	0	0	0	0+
Hypertensive heart disease	37	0	0	0	0	0	*	0	*	0	0	8	0	*	*	*	*	0	0	20+	9	*	0	*	10+
Hypertensive heart and renal 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
Ischemic heart disease	216	0	*	*	0	0	8	0	*	0	0	62	0	*	17	*	13	0	0	120+	35	20	*	40	100+
Acute myocardial infarction	72	0	*	0	0	0	*	0	0	0	0	29	0	0	7	0	*	0	0	40+	10	6	*	14	30+
Other acute ischemic heart 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+
Other forms of chronic ischemic heart disease	142	0	0	*	0	0	7	0	*	0	0	33	0	*	10	*	10	0	0	80+	25	12	*	26	70+
Atherosclerotic cardiovascular disease	38	0	0	0	0	0	*	0	*	0	0	9	0	*	*	0	*	0	0	20+	9	*	0	*	20+
All other forms of chronic ischemic heart disease	104	0	0	*	0	0	*	0	*	0	0	24	0	*	*	*	8	0	0	50+	16	11	*	21	50+
Other heart diseases	122	0	0	*	0	0	14	*	*	0	0	36	0	*	7	*	*	0	0	70+	21	10	*	15	50+
Acute and subacute endocarditis	0+	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0	0	0	0+	0	*	0	0	0+
Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heart failure	27	0	0	0	0	0	0	0	0	0	0	9	0	*	*	0	*	0	0	10+	*	*	0	7	10+
All other forms of heart disease	91	0	0	*	0	0	14	*	*	0	0	26	0	*	*	*	*	0	0	60+	18	*	*	8	40+

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation						
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Essential (primary) hypertension and hypertensive renal disease	56	0	0	0	0	*	*	0	*	0	0	16	0	*	*	0	*	0	0	30+	12	*	*	10	30+
Cerebrovascular diseases	97	0	0	0	0	0	*	0	6	0	0	27	0	*	7	*	*	*	0	60+	10	11	*	16	40+
Atherosclerosis	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0	0+	0	0	0	0	0
Other diseases of circulatory system	10+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	*	0	0	0+	0	*	*	*	0+
Aortic aneurysm and dissection	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	10+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	*	0	0	0+	0	*	*	*	0+
Other disorders of circulatory system	10+	0	0	0	0	0	0	0	0	0	0	*	0	*	0	*	*	0	0	10+	0	*	0	0	0+
Influenza and pneumonia	97	*	0	0	0	0	6	*	*	0	0	34	0	*	*	*	7	0	0	60+	14	*	*	13	30+
Influenza	20+	0	0	0	0	0	*	0	*	0	0	7	0	*	0	0	*	0	0	10+	*	*	0	*	0+
Pneumonia	82	*	0	0	0	0	*	*	*	0	0	27	0	*	*	*	*	0	0	50+	13	*	*	12	30+
COVID-19 [†]	1,194	*	*	*	*	*	33	*	51	7	0	509	*	29	58	21	59	0	0	780+	151	51	47	165	414
Other acute lower respiratory infections	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0
Unspecified acute lower respiratory infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	47	0	0	0	0	0	*	0	*	0	0	11	0	*	0	*	*	0	0	20+	13	7	*	*	30+
Bronchitis, chronic and unspecified	0+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0+
Emphysema	0+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	0	0+
Asthma	10+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	*	0	0	*	0+
Other chronic lower respiratory diseases	37	0	0	0	0	0	*	0	*	0	0	7	0	*	0	*	*	0	0	20+	10	6	*	*	20+
Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	10+	0	0	0	0	0	0	0	*	0	0	0	0	0	0	*	0	0	0	0+	0	*	*	*	10+
Other disease of respiratory system	54	0	0	0	0	0	*	0	0	0	0	27	0	0	*	0	*	0	0	40+	9	0	*	7	20+
Peptic ulcer	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	0	0	0	0	0
Diseases of appendix	0+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0+
Hernia	0+	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0	0	0	0+	0	*	0	0	0+
Chronic liver disease and cirrhosis	274	*	*	*	*	*	14	0	12	*	0	57	*	8	21	17	25	*	0	170+	50	16	10	31	107
Alcoholic liver disease	205	*	0	*	*	*	9	0	10	0	0	42	0	7	12	14	19	*	0	120+	37	12	8	26	83
Other chronic liver disease and cirrhosis	69	0	*	0	0	0	*	0	*	*	0	15	*	*	9	*	6	*	0	50+	13	*	*	*	20+
Cholelithiasis and other disorders of gallbladder	10+	0	*	0	0	0	*	0	0	0	0	*	0	0	0	*	0	0	0	10+	*	*	0	*	0+
Nephritis, nephrotic syndrome and nephrosis	46	*	0	*	0	0	*	0	*	0	0	8	0	*	*	*	7	0	0	30+	*	*	0	*	10+
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	46	*	0	*	0	0	*	0	*	0	0	8	0	*	*	*	7	0	0	30+	*	*	0	*	10+
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0+	0	0	0	*	0+

5.6 (continued)

DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																Resided off reservation							
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inflammatory diseases of female pelvic organs	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0†	*	0	0	0	0†
Pregnancy, childbirth and the puerperium	10†	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	*	0	0	0†	*	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	0	0	0	0	0	0	0
Other complications of pregnancy, childbirth and the puerperium	10†	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	*	0	0	0†	*	0	0	*	0†
Perinatal conditions	10†	*	0	0	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	*	0	*	0†
Congenital anomalies, deformations and chromosomal abnormalities	13	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	*	0	0	10†	6	0	0	0	6
Symptoms, signs, abnormal findings	108	0	0	*	0	0	*	0	*	0	62	0	*	0	*	*	0	0	0	70†	8	*	6	19	40†
Total accidents	492	0	0	*	*	0	22	0	19	0	169	*	13	20	16	15	0	0	280†	108	24	24	54	210	
Transport accidents	136	0	0	*	0	0	9	0	*	0	51	0	*	10	8	*	0	0	90†	19	*	8	16	50†	
Motor vehicle accidents	125	0	0	*	0	0	9	0	*	0	41	0	*	10	8	*	0	0	80†	18	*	8	16	50†	
Other land transport accidents	8	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8	0	0	0	0	0	
Water, air, space	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	0	0	0	0†	
Nontransport accidents	356	0	0	*	*	0	13	0	14	0	118	*	11	10	8	12	0	0	190†	89	21	16	38	164	
Falls	46	0	0	0	0	0	0	0	*	0	21	0	0	*	*	0	0	0	30†	*	*	0	8	20†	
Accidental discharge of firearms	0†	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0†	0	0	0	0	0	
Accidental drowning and submersion	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0†	*	0	0	0	0†	
Accidental exposure to smoke, fire and flames	7	0	0	0	0	0	*	0	*	0	*	0	0	*	*	*	0	0	10†	0	0	0	0	0	
Accidental poisoning	248	0	0	*	*	0	10	0	7	0	69	*	11	*	*	8	0	0	120†	75	15	16	23	129	
Excessive natural heat	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	*	0	0	10†	*	*	0	*	0†	
Excessive natural cold	10†	0	0	0	0	0	0	0	0	0	10	0	0	*	0	*	0	0	10†	*	0	0	0	0†	
Other and unspecified nontransport accidents	49	0	0	0	0	0	*	0	*	0	26	0	0	*	*	*	0	0	30†	6	*	0	7	20†	
Intentional self-harm (suicide)	85	0	0	0	0	0	*	0	*	*	35	0	0	*	*	10	0	0	50†	17	6	*	8	30†	
By discharge of firearms	28	0	0	0	0	0	*	0	0	0	8	0	0	0	0	0	0	0	10†	10	*	0	*	20†	
By other means	57	0	0	0	0	0	0	0	*	*	27	0	0	*	*	10	0	0	40†	7	*	*	*	10†	
Assault (homicide)	77	0	0	*	0	0	7	0	*	*	21	*	*	*	*	7	0	0	50†	13	*	*	11	30†	
By discharge of firearms	45	0	0	0	0	0	6	0	*	*	11	*	*	*	0	*	0	0	30†	8	*	*	8	20†	
By other means	32	0	0	*	0	0	*	0	*	0	10	0	0	*	*	*	0	0	20†	*	0	*	*	10†	
Legal intervention	10†	0	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0	0†	*	*	*	0	0†	
Events of undetermined intent	25	0	0	0	0	0	0	0	*	0	14	0	0	*	0	*	0	0	20†	*	*	0	*	10†	
Discharge of firearms	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	*	0	0	0†	
Other and unspecified events of undetermined intent	23	0	0	0	0	0	0	*	0	0	13	0	0	*	0	*	0	0	20†	*	*	0	*	10†	
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Complications of medical and surgical care	10†	0	0	0	0	0	0	0	0	0	*	0	*	*	0	0	0	0	0†	*	0	0	0	0†	
Injury by firearms	82	0	0	0	0	0	8	0	*	*	22	*	*	*	*	*	0	0	40†	19	9	*	12	40†	
Drug-induced deaths	185	0	0	0	*	0	8	0	*	*	33	*	13	*	*	*	0	0	70†	71	15	10	17	113	
Opioid-induced deaths	133	0	0	0	*	0	*	0	0	0	19	*	10	*	*	*	0	0	40†	59	11	8	12	90	
Alcohol-induced deaths	398	*	0	*	*	*	14	0	18	*	137	0	8	14	18	33	*	0	260†	58	18	19	48	143	

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 COVID-19 data collection began in mid-March 2020.

5.7

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

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	4,290†	928	8	500	200	46	0	46	843	60	899	397	247	1	48	39	28
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	20†	*	0	*	0	0	0	0	*	0	7	*	*	0	0	*	0
Enterocolitis due to Clostridium difficile	10†	*	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
Tuberculosis	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Respiratory tuberculosis	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	50†	6	0	*	*	0	0	0	*	*	8	12	*	0	0	*	0
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	0†	0	0	*	0	*	0	0	0	0	0	0	0	0	0	0	0
Human immunodeficiency virus (HIV) disease	0†	*	0	0	0	0	0	0	*	0	0	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	30†	7	0	*	*	0	0	0	*	*	*	6	*	0	*	0	0
Malignant neoplasms	270†	53	*	30	*	*	0	*	68	8	42	39	18	0	*	*	*
Malignant neoplasm of lip, oral cavity and pharynx	0†	*	0	*	0	0	0	0	*	0	0	0	0	0	*	0	0
Malignant neoplasm of esophagus	10†	*	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0
Malignant neoplasm of stomach	10†	6	0	*	0	0	0	0	*	*	*	*	0	0	0	0	0
Malignant neoplasm of colon, rectum and anus	30†	*	0	*	*	0	0	0	7	*	6	*	*	0	0	0	0
Malignant neoplasm of liver and intrahepatic bile ducts	30†	*	0	*	0	0	0	0	*	0	*	9	*	0	0	0	0
Malignant neoplasm of pancreas	30†	9	0	*	0	*	0	0	*	*	8	*	*	0	*	*	*
Malignant neoplasm of larynx	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	20†	*	*	*	0	0	0	0	8	*	*	*	0	0	*	0	0
Malignant melanoma of skin	0†	*	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Malignant neoplasm of breast	10†	*	0	*	0	0	0	0	*	0	*	*	*	0	0	0	0
Malignant neoplasm of cervix uteri	0†	*	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	10†	*	*	*	0	0	0	0	*	0	*	0	*	0	0	0	0
Malignant neoplasm of ovary	10†	*	0	*	*	0	0	0	*	0	*	0	0	0	0	0	0
Malignant neoplasm of prostate	10†	*	0	*	0	0	0	0	*	0	*	*	*	0	0	0	0
Malignant neoplasm of kidney and renal pelvis	20†	*	0	0	*	0	0	*	6	0	0	6	*	0	0	0	0
Malignant neoplasm of bladder	0†	0	0	0	0	0	0	0	*	0	*	*	0	0	0	0	0

5.7 (continued)
DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Malignant neoplasm of meninges, brain and other parts of central nervous system	0†	0	0	0	0	0	0	0	*	0	0	*	*	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	20†	*	0	*	0	*	0	0	*	0	*	*	*	0	0	0	0
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	10†	*	0	*	0	0	0	0	*	0	*	*	*	0	0	0	0
Leukemia	10†	*	0	*	0	*	0	0	*	0	*	0	0	0	0	0	0
Multiple myeloma and immunoproliferative neoplasms	0†	*	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	40†	10	0	7	0	0	0	0	11	*	6	*	*	0	*	0	0
In situ neoplasms	0†	*	0	*	0	0	0	0	0	*	0	0	0	0	0	0	0
Anemias	0†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
Diabetes	260†	57	0	23	15	*	0	*	55	*	49	22	21	0	*	*	*
Nutritional deficiencies	20†	*	0	*	0	0	0	*	*	0	6	*	0	0	*	0	0
Malnutrition	10†	*	0	*	0	0	0	*	*	0	*	*	0	0	*	0	0
Other nutritional deficiencies	0†	0	0	0	0	0	0	0	0	0	*	*	0	0	0	0	0
Obesity	10†	*	0	0	0	0	0	*	*	0	0	*	*	0	0	0	0
Meningitis	0†	0	0	*	0	0	0	0	0	0	*	0	0	0	0	0	0
Parkinson's disease	20†	*	0	8	*	0	0	0	*	0	*	0	*	0	0	0	0
Alzheimer's disease	40†	*	*	6	*	*	0	*	*	*	9	*	*	0	*	*	0
Major cardiovascular diseases	540†	100	*	42	35	10	0	14	109	8	104	56	46	0	*	7	*
Diseases of heart	380†	75	*	24	25	6	0	14	84	*	66	38	29	0	*	*	*
Acute rheumatic fever and chronic rheumatic heart disease	0†	*	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0
Hypertensive heart disease	40†	*	0	0	*	0	0	0	15	0	*	*	7	0	0	0	*
Hypertensive heart and renal disease	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease	220†	46	*	13	16	*	0	8	42	*	42	24	8	0	*	*	*
Acute myocardial infarction	70†	21	0	*	6	*	0	*	10	*	14	6	*	0	*	*	*
Other acute ischemic heart disease	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Other forms of chronic ischemic heart disease	140†	25	*	9	10	*	0	7	32	*	28	16	6	0	*	*	*
Atherosclerotic cardiovascular disease	40†	8	0	*	*	*	0	*	12	0	*	*	*	0	0	0	*
All other forms of chronic ischemic heart disease	100†	17	*	7	*	*	0	6	20	*	24	15	*	0	*	*	0
Other heart diseases	120†	22	0	10	6	*	0	6	26	*	19	13	14	0	*	0	*
Acute and subacute endocarditis	0†	*	0	0	0	0	0	0	0	0	*	*	0	0	0	0	0
Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heart failure	30†	6	0	*	*	0	0	*	*	0	*	*	*	0	0	0	0
All other forms of heart disease	90†	15	0	8	*	*	0	*	22	*	13	8	13	0	*	0	*
Essential (primary) hypertension and hypertensive renal disease	60†	8	0	*	*	*	0	0	13	*	12	*	9	0	0	*	0
Cerebrovascular diseases	100†	16	0	10	*	*	0	0	12	*	24	14	7	0	*	*	*

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Atherosclerosis	0†	0	0	0	0	0	0	0	0	0	*	*	0	0	0	0	0
Other diseases of circulatory system	10†	*	0	*	0	0	0	0	0	0	*	*	*	0	0	0	0
Aortic aneurysm and dissection	0†	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	10†	*	0	*	0	0	0	0	0	0	*	*	*	0	0	0	0
Other disorders of circulatory system	10†	*	0	0	*	0	0	0	*	0	*	*	0	0	0	0	0
Influenza and pneumonia	100†	24	0	10	*	*	0	0	19	0	16	9	6	0	*	*	*
Influenza	20†	*	0	*	0	0	0	0	*	0	*	*	0	0	0	0	0
Pneumonia	80†	20	0	8	*	*	0	0	16	0	11	8	6	0	*	*	*
COVID-19 [‡]	1,190†	291	0	171	60	8	0	*	191	14	307	73	50	0	8	10	6
Other acute lower respiratory infections	0	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	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	50†	6	0	6	*	0	0	0	16	*	6	8	*	0	*	0	0
Bronchitis, chronic and unspecified	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Emphysema	0†	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0
Asthma	10†	*	0	*	0	0	0	0	*	0	0	0	*	0	0	0	0
Other chronic lower respiratory diseases	40†	*	0	*	*	0	0	0	13	*	6	7	0	0	*	0	0
Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	10†	0	0	*	0	0	0	0	0	0	*	7	0	0	*	0	0
Other disease of respiratory system	50†	17	0	8	*	*	0	0	9	0	10	0	*	0	0	*	0
Peptic ulcer	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of appendix	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
Hernia	0†	*	0	0	0	0	0	0	0	0	*	*	0	0	0	0	0
Chronic liver disease and cirrhosis	270†	43	0	20	17	*	0	*	65	*	56	33	20	0	6	*	0
Alcoholic liver disease	210†	32	0	16	10	*	0	*	50	*	44	26	15	0	*	*	0
Other chronic liver disease and cirrhosis	70†	11	0	*	7	*	0	0	15	*	12	7	*	0	*	*	0
Cholelithiasis and other disorders of gallbladder	10†	*	0	0	0	0	0	0	*	0	*	*	*	0	0	*	0
Nephritis, nephrotic syndrome and nephrosis	50†	*	0	*	*	0	0	*	7	*	9	8	*	0	0	0	*
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	50†	*	0	*	*	0	0	*	7	*	9	8	*	0	0	0	*
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inflammatory diseases of female pelvic organs	0†	*	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	10†	*	*	0	0	0	0	0	*	0	*	0	*	0	0	0	0
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2020

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
Other complications of pregnancy, childbirth and the puerperium	10†	*	*	0	0	0	0	0	*	0	*	0	*	0	0	0	0
Perinatal conditions	10†	0	0	0	0	0	0	0	*	0	*	*	*	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	10†	*	0	0	0	0	0	0	6	0	*	0	*	0	0	0	0
Symptoms, signs, abnormal findings	110†	53	0	11	*	*	0	*	10	*	21	*	*	0	0	0	0
Total accidents	490†	101	*	64	13	9	0	6	131	*	86	40	27	0	*	*	*
Transport accidents	140†	33	*	17	*	*	0	*	21	0	25	10	11	0	*	*	*
Motor vehicle accidents	130†	25	*	17	*	*	0	*	20	0	23	10	11	0	*	*	*
Other land transport accidents	10†	6	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Water, air, space	0†	*	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Nontransport accidents	360†	68	0	47	8	*	0	*	110	*	61	30	16	0	*	*	*
Falls	50†	13	0	*	0	*	0	*	*	*	14	6	0	0	0	0	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	10†	0	0	*	*	0	0	0	*	0	0	0	0	0	0	0	0
Accidental exposure to smoke, fire and flames	10†	0	0	*	*	0	0	0	*	0	*	*	0	0	0	0	0
Accidental poisoning	250†	41	0	36	*	*	0	*	93	0	32	20	14	0	*	*	*
Excessive natural heat	10†	*	0	*	*	0	0	0	*	0	*	*	0	0	0	0	0
Excessive natural cold	10†	*	0	*	*	0	0	0	*	0	6	0	0	0	0	0	0
Other and unspecified nontransport accidents	50†	14	0	6	*	0	0	0	7	0	13	*	*	0	0	*	0
Intentional self-harm (suicide)	90†	20	0	11	*	0	0	0	17	*	20	7	*	0	*	0	0
By discharge of firearms	30†	*	0	*	0	0	0	0	10	*	*	*	*	0	0	0	0
By other means	60†	17	0	7	*	0	0	0	7	*	18	*	*	0	*	0	0
Assault (homicide)	80†	13	0	*	*	0	0	*	16	*	25	*	*	0	0	0	0
By discharge of firearms	50†	*	0	*	*	0	0	0	11	*	17	*	*	0	0	0	0
By other means	30†	8	0	*	*	0	0	*	0	0	8	*	*	0	0	0	0
Legal intervention	10†	*	0	*	0	0	0	0	*	0	*	*	0	0	0	0	0
Events of undetermined intent	30†	*	0	7	*	0	0	*	*	*	6	*	0	0	*	0	0
Discharge of firearms	0†	0	0	*	0	0	0	0	0	0	0	*	0	0	0	0	0
Other and unspecified events of undetermined intent	20†	*	0	6	*	0	0	*	*	*	6	*	0	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	10†	*	0	0	*	0	0	0	*	0	0	0	0	0	0	0	0
Injury by firearms	80†	9	0	8	*	0	0	0	23	*	20	11	7	0	0	0	0
Drug-induced deaths	190†	17	0	21	*	*	0	*	91	*	15	19	10	0	*	0	*
Opioid-induced deaths	130†	12	0	12	*	0	0	*	74	*	8	14	6	0	*	0	*
Alcohol-induced deaths	400†	89	0	55	11	*	0	*	73	*	90	36	24	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 COVID-19 data collection began in mid-March 2020.

5.8

DEATHS FROM MOTOR VEHICLE INJURIES AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP, ARIZONA, 2020

		TOTAL	Resided on reservation									Resided off reservation				
			Colorado River Indian Tribe	Gila River Indian Community	Hopi Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	130†	0†	10†	10†	40†	0†	10†	10†	0†	80†	20†	0†	10†	20†	50†
	<1	0†	0	0	0	*	0	0	0	0	0†	0	*	0	*	0†
	1-4	0†	0	0	0	*	0	0	0	*	0†	*	0	0	0	0†
	5-14	0†	0	0	0	*	0	0	0	0	0†	0	0	0	*	0†
	15-24	20†	*	*	*	*	0	*	*	*	10†	*	0	*	*	10†
	25-34	39	*	*	*	12	*	6	*	0	30†	*	0	*	*	10†
	35-44	33	0	*	*	11	*	*	*	*	20†	8	*	*	*	10†
	45-54	20†	0	0	*	8	0	0	*	0	10†	*	0	*	*	10†
	55-64	10†	0	0	0	*	0	*	0	*	0†	*	0	*	*	0†
	65-74	0†	0	0	0	0	0	*	*	0	0†	0	0	0	*	0†
75-84	0†	0	0	*	*	0	0	0	0	0†	0	0	0	0	0	
85+	0†	0	0	0	0	0	0	0	0	0	0	0	0	*	0†	
M	ALL AGES	80†	0†	10†	0†	30†	0†	10†	10†	0	50†	10†	0†	10†	10†	30†
	<1	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0†
	1-4	0†	0	0	0	0	0	0	*	0	0†	*	0	0	0	0†
	5-14	0†	0	0	0	0	0	0	0	0	0	0	0	0	*	0†
	15-24	10†	*	*	*	*	0	*	*	0	10†	0	0	*	*	0†
	25-34	28	*	*	*	7	*	*	*	0	20†	*	0	*	*	10†
	35-44	20	0	*	*	9	0	*	*	0	10†	*	*	0	0	10†
	45-54	10†	0	0	0	6	0	0	*	0	10†	*	0	0	*	0†
	55-64	0†	0	0	0	*	0	0	0	0	0†	*	0	*	*	0†
	65-74	0†	0	0	0	0	0	*	*	0	0†	0	0	0	*	0†
75-84	0†	0	0	*	0	0	0	0	0	0†	0	0	0	0	0	
85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
F	ALL AGES	40†	0	0†	0†	20†	0†	0†	0	0†	30†	10†	0	0†	10†	20†
	<1	0†	0	0	0	*	0	0	0	0	0†	0	0	0	*	0†
	1-4	0†	0	0	0	*	0	0	0	0	0†	0	0	0	0	0
	5-14	0†	0	0	0	*	0	0	0	0	0†	0	0	0	0	0
	15-24	10†	0	*	0	*	0	0	0	*	0†	*	0	0	*	0†
	25-34	10†	0	*	0	*	0	*	0	0	10†	*	0	*	*	0†
	35-44	13	0	*	0	*	*	0	0	*	10†	*	0	*	*	10†
	45-54	10†	0	0	*	*	0	0	0	0	0†	*	0	*	0	0†
	55-64	0†	0	0	0	0	0	*	0	*	0†	0	0	0	0	0
	65-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-84	0†	0	0	0	*	0	0	0	0	0†	0	0	0	0	0	
85+	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.

5.9

INTENTIONAL SELF-HARM (SUICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP, ARIZONA, 2020

		TOTAL	Resided on reservation							Resided off reservation					
			Gila River Indian Community	Hopi Tribe	Hualapai Tribe	Navajo Nation	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	90†	0†	0†	0†	40†	0†	0†	10†	50†	20†	10†	0†	10†	30†
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0†	0	0	*	0	0	0	*	0†	0	0	0	0	0
	15-24	25	*	0	0	9	0	0	*	10†	*	*	*	*	10†
	25-34	34	0	0	0	13	*	0	*	20†	9	*	*	*	10†
	35-44	20†	0	0	0	9	*	*	*	10†	*	*	0	0	0†
	45-54	0†	0	*	0	*	0	0	0	0†	*	0	0	0	0†
	55-64	0†	0	0	0	*	0	0	0	0†	0	0	0	0	0
	65-74	0†	0	0	0	0	0	0	0	0	*	0	0	0	0†
75-84	0†	0	0	0	0	0	0	0	0	0	0	0	*	0†	
85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
M	ALL AGES	70†	0†	0	0†	30†	0†	0†	10†	40†	10†	10†	0†	10†	30†
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0†	0	0	*	0	0	0	*	0†	0	0	0	0	0
	15-24	17	*	0	0	*	0	0	*	10†	*	*	*	*	10†
	25-34	26	0	0	0	11	*	0	*	20†	7	*	0	*	10†
	35-44	10†	0	0	0	8	0	*	*	10†	*	*	0	0	0†
	45-54	0†	0	0	0	*	0	0	0	0†	*	0	0	0	0†
	55-64	0†	0	0	0	*	0	0	0	0†	0	0	0	0	0
	65-74	0†	0	0	0	0	0	0	0	0	*	0	0	0	0†
75-84	0†	0	0	0	0	0	0	0	0	0	0	0	*	0†	
85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
F	ALL AGES	20†	0	0†	0	10†	0†	0	0†	10†	0†	0†	0†	0†	10†
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15-24	10†	0	0	0	*	0	0	0	10†	*	0	0	*	0†
	25-34	10†	0	0	0	*	*	0	*	0†	*	0	*	*	0†
	35-44	0†	0	0	0	*	*	0	0	0†	0	*	0	0	0†
	45-54	0†	0	*	0	0	0	0	0	0†	0	0	0	0	0
	55-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
85+	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.

**5.10
ASSAULT (HOMICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP,
ARIZONA, 2020**

		TOTAL	Resided on reservation										Resided off reservation						
			Colorado River Indian Tribe	Gila River Indian Community	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL	
TOTAL	ALL AGES	80+	0+	10+	0+	0+	20+	0+	0+	0+	0+	0+	10+	50+	10+	0+	0+	10+	30+
	<1	0+	0	0	0	0	*	0	0	0	0	0	0	0+	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0+	0	0	0	*	0	0	0	*	0	0	0+	0	0	0	0	0	0
	15-24	10+	0	0	0	0	*	0	0	*	0	0	10+	*	*	0	*	*	10+
	25-34	20	0	0	*	0	6	*	0	*	0	*	10+	6	0	0	*	*	10+
	35-44	29	0	*	*	0	7	0	*	0	*	*	20+	*	0	*	*	*	10+
	45-54	10+	0	*	*	0	*	0	0	0	0	0	10+	*	0	0	*	*	0+
	55-64	0+	*	0	0	0	0	0	0	0	0	0	0+	0	*	*	0	0	0+
	65-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
M	ALL AGES	60+	0+	10+	0+	0	20+	0+	0	0+	0+	10+	40+	10+	0+	0+	10+	20+	
	<1	0+	0	0	0	0	*	0	0	0	0	0	0+	0	0	0	0	0	
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	15-24	10+	0	0	0	0	*	0	0	*	0	0	10+	*	*	0	*	0+	
	25-34	16	0	0	*	0	*	*	0	*	0	*	10+	*	0	0	*	10+	
	35-44	26	0	*	*	0	6	0	0	0	*	*	20+	*	0	*	*	10+	
	45-54	10+	0	*	*	0	*	0	0	0	0	0	10+	*	0	0	0	0+	
	55-64	0+	*	0	0	0	0	0	0	0	0	0	0+	0	0	*	0	0+	
	65-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
75-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
F	ALL AGES	20+	0	0+	0	0+	0+	0	0+	0+	0	0+	10+	0+	0+	0	0+	10+	
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5-14	0+	0	0	0	*	0	0	0	*	0	0	0+	0	0	0	0	0	
	15-24	0+	0	0	0	0	0	0	0	*	0	0	0+	*	0	0	*	0+	
	25-34	0+	0	0	0	0	*	0	0	0	0	*	0+	*	0	0	0	0+	
	35-44	0+	0	*	0	0	*	0	*	0	0	0	0+	0	0	0	0	0	
	45-54	0+	0	*	0	0	*	0	0	0	0	0	0+	0	0	0	*	0+	
	55-64	0+	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0+	
	65-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
75-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
85+	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.

5.11

DIABETES-RELATED DEATHS AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP, ARIZONA, 2020

		TOTAL	Resided on reservation													Resided off reservation							
			Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL	
TOTAL	ALL AGES	840+	10+	10+	0+	70+	0+	30+	0+	290+	0+	40+	40+	20+	30+	0+	550+	100+	50+	30+	110+	289	
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15-24	0+	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0+	0	0	0	0	0	0
	25-34	19	0	0	0	6	0	0	0	*	0	*	*	*	*	0	10+	*	0	*	*	10+	10+
	35-44	49	0	*	0	7	0	0	0	11	0	0	*	*	*	0	30+	10	*	*	9	20+	
	45-54	111	*	0	0	6	*	*	0	27	*	8	9	*	10	0	70+	18	*	6	16	40+	
	55-64	206	*	*	*	22	0	10	*	62	0	10	8	6	9	*	140+	19	17	6	28	70	
	65-74	189	0	*	0	15	0	6	*	73	0	12	10	*	*	*	130+	24	11	*	25	60+	
	75-84	176	*	0	*	9	*	10	0	72	0	*	12	*	*	0	120+	18	13	10	18	59	
	85+	91	*	0	0	*	0	7	0	47	0	*	0	*	*	0	70+	6	*	*	13	30+	
M	ALL AGES	470+	0+	0+	0+	40+	0+	20+	0+	180+	0+	20+	30+	10+	20+	0+	330+	40+	20+	20+	60+	150+	
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15-24	0+	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0+	0	0	0	0	0	0
	25-34	10+	0	0	0	*	0	0	0	*	0	0	*	0	0	0	10+	*	0	*	*	10+	10+
	35-44	29	0	0	0	*	0	0	0	7	0	0	*	*	*	0	20+	6	*	*	*	10+	10+
	45-54	64	0	0	0	*	*	0	0	20	*	6	7	*	*	0	40+	7	*	*	8	20+	20+
	55-64	126	*	*	0	14	0	7	*	40	0	*	6	*	8	0	90+	10	11	*	15	40+	40+
	65-74	113	0	*	0	9	0	*	0	44	0	7	7	*	*	*	80+	10	6	*	17	40+	40+
	75-84	90	0	0	*	*	*	7	0	39	0	*	7	*	0	0	60+	7	*	*	12	30+	30+
	85+	38	0	0	0	*	0	*	0	26	0	0	0	*	*	0	30+	*	0	*	*	10+	10+
F	ALL AGES	371	0+	0+	0+	30+	0	10+	0+	120+	0+	20+	10+	10+	10+	0+	230+	60+	30+	10+	50+	140+	
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25-34	10+	0	0	0	*	0	0	0	*	0	*	*	*	*	0	10+	*	0	0	0	0	0+
	35-44	20	0	*	0	*	0	0	0	*	0	0	*	*	0	0	10+	*	*	*	*	10+	10+
	45-54	47	*	0	0	*	0	*	0	7	*	*	*	*	*	0	30+	11	*	*	8	20+	20+
	55-64	80	*	*	*	8	0	*	0	22	0	*	*	*	*	*	50+	9	6	*	13	30+	30+
	65-74	76	0	0	0	6	0	*	*	29	0	*	*	*	*	0	50+	14	*	0	8	30+	30+
	75-84	86	*	0	0	6	0	*	0	33	0	*	*	*	*	0	50+	11	10	*	6	30+	30+
	85+	53	*	0	0	*	0	*	0	21	0	*	0	*	*	0	30+	*	*	*	9	20+	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; Diabetes-related: deaths due to diabetes reported as multiple cause of death (any mention of diabetes on the death certificate). The number of deaths due to diabetes as the underlying cause of death (259 in 2020) is shown in Tables 5.4 - 5.7.

5.12

ALCOHOL-INDUCED DEATHS AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP, ARIZONA, 2020

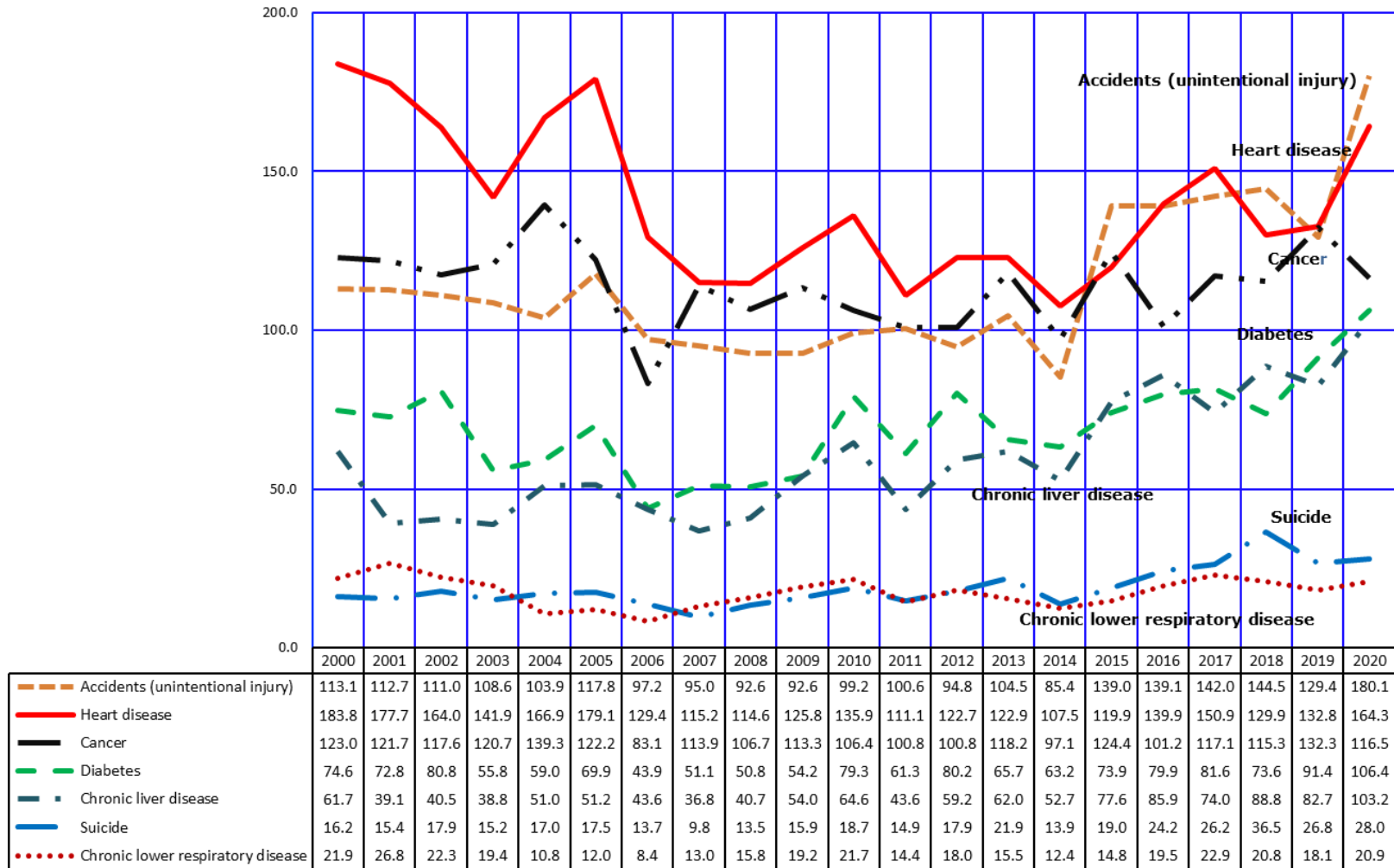
	TOTAL	Resided on reservation														Resided off reservation							
		Ak-Chin Indian Community	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL		
TOTAL	ALL AGES	400†	0†	0†	0†	0†	10†	20†	0†	0†	0†	140†	10†	10†	20†	30†	0†	260†	60†	20†	20†	50†	140†
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15-24	10†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	*	0	0	0	0†
	25-34	73	0	*	0	*	*	*	0	0	20	*	*	*	9	*	50†	11	*	6	7	30†	
	35-44	108	0	0	*	0	*	6	*	0	32	*	*	6	9	0	70†	15	*	8	17	40†	
	45-54	94	*	0	*	0	*	*	0	*	29	*	*	*	8	0	60†	13	*	*	13	40†	
	55-64	77	*	*	0	0	*	*	*	0	31	0	*	*	*	*	50†	11	7	0	*	20†	
	65-74	32	0	0	0	0	0	*	0	0	17	*	0	0	*	0	20†	*	*	0	6	10†	
	75-84	10†	0	0	0	0	*	0	0	0	6	0	0	0	0	0	10†	*	0	0	0	0†	
	85+	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0†	
M	ALL AGES	250†	0†	0†	0†	0†	10†	10†	0†	0†	100†	10†	10†	20†	0	180†	30†	10†	10†	20†	70†		
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15-24	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	*	0	0	0	0	0†
	25-34	51	0	*	0	*	*	*	0	0	15	*	*	*	7	0	40†	7	*	*	*	20†	
	35-44	66	0	0	*	0	0	*	0	0	23	*	*	*	*	0	40†	7	*	*	12	30†	
	45-54	58	*	0	*	0	*	*	0	*	23	*	*	*	*	0	50†	*	*	*	*	10†	
	55-64	47	0	*	0	0	*	*	*	0	20	0	0	*	*	0	40†	8	*	0	*	10†	
	65-74	20†	0	0	0	0	0	*	0	0	12	*	0	0	0	0	10†	*	*	0	*	10†	
	75-84	10†	0	0	0	0	*	0	0	0	*	0	0	0	0	0	10†	*	0	0	0	0†	
	85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F	ALL AGES	150†	0†	0	0	0	0†	0†	0†	0	40†	0†	10†	10†	20†	0†	80†	30†	10†	10†	20†	70†	
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15-24	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0†
	25-34	22	0	0	0	0	0	0	0	0	*	0	*	*	*	*	10†	*	*	*	*	10†	
	35-44	42	0	0	0	0	*	*	*	0	9	*	*	*	7	0	30†	8	0	*	*	20†	
	45-54	36	0	0	0	0	*	0	0	0	6	0	*	*	*	0	10†	9	*	*	9	20†	
	55-64	30	*	0	0	0	0	*	0	0	11	0	*	*	*	*	20†	*	*	0	*	10†	
	65-74	10†	0	0	0	0	0	*	0	0	*	0	0	0	*	0	10†	*	0	0	*	10†	
	75-84	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	0	0	0	0	0	
	85+	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.



COMPARATIVE CAUSE-SPECIFIC MORTALITY

5.13
Temporal Changes^a in the Selected Leading Causes of Death among American Indian Residents of Arizona, 2000-2020



Notes: ^a Based on age-adjusted mortality rates: Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

5.14
**Five Leading Causes of Death^a by Gender among American Indian
Residents of Arizona in 2020**

Rank	Female	Both	Male
1	COVID-19 406.9	COVID-19 492.3	COVID-19 605.3
2	Diseases of heart 113.2	Accidents (unintentional injury) 180.1	Accidents (unintentional injury) 262.7
3	Accidents (unintentional injury) 104.9	Diseases of heart 164.3	Diseases of heart 234.2
4	Cancer 102.8	Cancer 116.5	Cancer 138.7
5	Chronic liver disease and cirrhosis 95.5	Diabetes 106.4	Diabetes 137.7

Notes: ^a Based on age-adjusted mortality rates: Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.
Source: Table 2B-4 in the "Arizona Health Status and Vital Statistics 2020" report.

Leading causes of death rankings use the [National Vital Statistics System](#) method to make standard comparisons. This method excludes alcohol-induced death ICD-10 codes because they may overlap with other selected causes of death in the ranking method. To follow this standard method, alcohol-induced deaths are excluded from Figures 5.14-5.15.

5.15
Five Leading Causes of Death^a among American Indians by Gender and Residence
On or Off Reservation, Arizona, 2020

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	COVID-19 31.9	COVID-19 26.5	COVID-19 28.0	COVID-19 23.6
2	Diseases of heart 7.7	Accidents (unintentional injury) 8.7	Accidents (unintentional injury) 13.2	Accidents (unintentional injury) 16.1
3	Accidents (unintentional injury) 7.3	Chronic liver disease and cirrhosis 8.7	Diseases of heart 8.5	Diseases of heart 11.6
4	Cancer 7.1	Diseases of heart 7.9	Chronic liver disease and cirrhosis 6.5	Cancer 7.8
5	Chronic liver disease and cirrhosis 6.1	Cancer 7.6	Diabetes 6.4	Diabetes 5.8

Notes: ^a Percent of total deaths in specified group.

Leading causes of death rankings use the [National Vital Statistics System](#) method to make standard comparisons. This method excludes alcohol-induced death ICD-10 codes because they may overlap with other selected causes of death in the ranking method. To follow this standard method, alcohol-induced deaths are excluded from Figures 5.14-5.15.

5.16
Proportional Mortality^a by Type of Cancer and Gender among American Indians and all Residents of Arizona, 2010-2020

Rank	Arizona male^b	American Indian male	Arizona female^b	American Indian female
1	Trachea, bronchus, lung 23.2	Liver 13.7	Trachea, bronchus, lung 23.4	Breast 11.1
2	Lymphoma 10.8	Prostate 11.5	Breast 15.2	Liver 9.4
3	Prostate 10.3	Colon, rectum, anus 10.9	Lymphoma 9.0	Lymphoma 9.2
4	Colon, rectum, anus 9.1	Lymphoma 9.7	Colon, rectum, anus 9.0	Colon, rectum, anus 8.6
5	Pancreas 7.3	Trachea, bronchus, lung 8.2	Pancreas 7.6	Pancreas 7.8
6	Liver 5.7	Kidney 7.9	Ovary 5.6	Ovary 7.7
7	Leukemia 4.6	Pancreas 7.5	Leukemia 3.7	Trachea, bronchus, lung 6.8
8	Bladder 4.1	Stomach 7.0	Liver 3.4	Corpus uteri and uterus 5.7
9	Esophagus 4.1	Leukemia 3.6	Corpus uteri and uterus 3.3	Stomach 4.8
10	Non-Hodgkin's lymphoma 3.7	Non-Hodgkin's lymphoma 3.4	Non-Hodgkin's lymphoma 3.2	Kidney 4.6

Notes: ^a Percent of cancer deaths in specified group in 2010-2020.
^b All race/ethnic groups combined.
Source: Table 5-18 for percentages based on frequency counts.

5.17
Proportional Mortality^a by Mechanism of Unintentional Injury and Gender among
American Indians and all Residents of Arizona, 2010-2020

Rank	Arizona male^b	American Indian male	Arizona female^b	American Indian female
1	Poisoning by drugs 33.7	Motor vehicle-related 37.7	Falls 37.6	Motor vehicle-related 42.8
2	Motor vehicle accidents 26.4	Poisoning by gases 17.7	Poisoning by drugs 28.3	Poisoning by drugs 17.9
3	Falls 20.0	Poisoning by drugs 16.4	Motor vehicle-related 19.1	Falls 13.3
4	Poisoning by gases 3.7	Falls 7.8	Misadventures to patients 2.3	Poisoning by gases 10.0
5	Accidental drowning 2.7	Exposure to cold 3.9	Poisoning by gases 2.1	Exposure to cold 2.2
6	Exposure to heat 2.5	Accidental drowning 2.5	Accidental drowning 1.9	Exposure to heat 1.8
7	Misadventures to patients 1.4	Exposure to heat 1.8	Exposure to heat 1.9	Fire, flames, smoke 1.6
8	Choked on other objects 1.2	Mechanical suffocation 1.4	Choked on other objects 1.3	Accidental drowning 1.6
9	Fire, flames, smoke 1.1	Fire, flames, smoke 1.3	Choked on food 1.1	Mechanical suffocation 1.5
10	Choked on food 0.9	Choked on other objects 1.1	Fire, flames, smoke 1.1	Misadventures to patients 1.5

Notes: ^a Percent of unintentional injury deaths in specified group in 2010-2020.

^b All race/ethnic groups combined.

Source: Table 5-19 for percentages based on frequency counts.

5.18
COMPARISON OF MORTALITY BY SPECIFIC TYPE OF CANCER BY GENDER AMONG AMERICAN INDIANS AND ALL RESIDENTS^a OF ARIZONA, 2010-2020

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Malignant neoplasms, total	126,225	68,312	57,912	2,692	1,336	1,356
Malignant neoplasm of lip, oral cavity and pharynx	1,811	1,324	487	30	19	11
Malignant neoplasm of esophagus	3,415	2,771	644	65	44	21
Malignant neoplasm of stomach	2,319	1,369	950	158	93	65
Malignant neoplasm of colon, rectum and anus	11,400	6,207	5,193	262	145	117
Malignant neoplasm of liver and intrahepatic bile ducts	5,866	3,901	1,965	310	183	127
Malignant neoplasm of pancreas	9,394	5,008	4,386	206	100	106
Malignant neoplasm of larynx	673	534	139	10†	8	*
Malignant neoplasm of trachea, bronchus and lung	29,457	15,880	13,577	202	110	92
Malignant melanoma of skin	2,252	1,525	727	10†	9	*
Malignant neoplasm of breast	8,907	90	8,817	151	0	151
Malignant neoplasm of cervix uteri	854	0	854	30	0	30
Malignant neoplasm of corpus uteri and uterus, part unspecified	1,887	0	1,887	77	0	77
Malignant neoplasm of ovary	3,237	0	3,237	105	0	105
Malignant neoplasm of prostate	7,059	7,059	0	154	154	0
Malignant neoplasm of kidney and renal pelvis	3,269	2,225	1,044	168	105	63
Malignant neoplasm of bladder	3,736	2,799	936	22	13	9
Malignant neoplasm of meninges, brain and other parts of central nervous system	3,681	2,094	1,587	47	25	22
Malignant neoplasm of lymphoid, hematopoietic and related tissue	12,584	7,378	5,206	255	130	125
Hodgkin's disease	240	140	100	0†	*	*
Non-Hodgkin's lymphoma	4,373	2,523	1,850	83	45	38
Leukemia	5,233	3,118	2,115	93	48	45
Multiple myeloma and immunoproliferative neoplasms	2,714	1,583	1,131	75	35	40
Other and unspecified malignant neoplasms of lymphoid tissue	24	14	10	0	0	0
All other and unspecified malignant neoplasms	14,424	8,151	6,273	426	198	228

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 All racial/ethnic groups combined.

5.19
UNINTENTIONAL INJURY DEATHS BY MECHANISM AND GENDER AMONG AMERICAN INDIANS AND
ALL RESIDENTS^a OF ARIZONA, 2010-2020

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Unintentional injury, total	40,242	25,769	14,473	3,718	2,619	1,099
Railway accidents	92	77	15	32	26	6
Motor vehicle accidents	9,552	6,794	2,758	1,457	987	470
Water transport accident	37	30	7	0†	*	0
Accident involving aircraft	135	110	25	0†	*	*
Poisoning by drugs/medicaments	12,780	8,685	4,095	627	430	197
Poisoning by gases and vapors	1,250	953	297	574	464	110
Falls	10,590	5,152	5,438	351	205	146
Fire, flames, smoke	429	271	158	52	34	18
Excessive natural heat	919	643	276	68	48	20
Excessive natural cold	239	183	56	127	103	24
Contact with venomous snakes and lizards	9	9	0	0†	*	0
Contact with venomous spiders	0†	0	*	0	0	0
Contact with scorpions	0†	*	0	0	0	0
Contact with hornets, wasps, bees	17	17	0	0†	*	0
Bitten or struck by dog	16	9	7	10†	*	*
Lightning	10†	8	*	0†	*	0
Storms and floods	17	10	7	0	0	0
Accidental drowning and submersion	988	706	282	83	65	18
Choked on food	394	234	160	20†	17	*
Choked on other objects	488	297	191	38	28	10
Mechanical suffocation	337	228	109	54	37	17
Accidental discharge of firearms	86	77	9	13	13	0
Exposure to electric current	47	47	0	0†	*	0
Overexertion	0†	*	*	0	0	0
Adverse effects of drugs in therapeutic use	94	37	57	0†	*	0
Misadventures to patients during medical/surgical care	689	354	335	35	18	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 All racial/ethnic groups combined.



TECHNICAL NOTES

Sources of Data

The tables in Sections I and II are based on rates and ratios published in the *Arizona Health Status and Vital Statistics* annual report.

Information on live births and deaths in Sections III and IV is compiled from the original documents filed with the Arizona Department of Health Services' Office of Vital Records, and from transcripts of original certificates filed in other states but affecting Arizona residents (copies of certificates for births and deaths occurring to Arizona residents outside the United States are not sent to Arizona).

Definitions

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, per 100,000, and so forth).

Terms Related to Reproductive Health

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, breaths 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.

Birth weight - The weight of a neonate determined immediately after delivery or as soon thereafter as possible.

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).

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.

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.

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

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 bacterium *Neisseria gonorrhoea*.

Syphilis - A sexually transmitted infection that can cause serious health problems if it is not treated. Syphilis is divided into stages (primary, secondary, latent, and tertiary), and there are different signs and symptoms associated with each stage.

Chlamydia - A wide-spread sexually transmissible disease caused by the bacterium *Chlamydia trachomatis*. Chlamydia during pregnancy can increase the risk of stillbirth or premature birth.

Hepatitis B - A potentially serious form of liver inflammation due to infection by the hepatitis B virus.

Hepatitis C - Type of liver inflammation that causes primarily a long-lasting disease.

Births 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 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 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 – Endotracheal instillation of a surfaceactive suspension for the treatment of surfactant deficiency resulting in decreased lung compliance. The treatment is administered immediately after birth for extremely premature babies or later once respiratory problems have manifested themselves.

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 require 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 sub-capsular 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 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.

Terms Related to Mortality

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	2020 population of American Indians	2020 deaths among American Indians	Age-specific rates for American Indians in 2020	2000 standard	Age-adjusted rate for American Indians in 2020
A	B	C	D (C/B)*100000	E	F D*E
<1	3,998	33	825.4	0.013818	11.4
1-4	16,869	9	53.4	0.055317	3.0
5-14	48,570	14	28.8	0.145565	4.2
15-24	45,661	113	247.5	0.138646	34.3
25-34	48,631	392	806.1	0.135573	109.3
35-44	36,189	463	1279.4	0.162613	208.0
45-54	31,856	542	1701.4	0.134834	229.4
55-64	29,778	805	2703.3	0.087247	235.9
65-74	18,319	733	4001.3	0.066037	264.2
75-84	8,328	679	8153.2	0.044842	365.6
85+	2,688	507	18861.6	0.015508	292.5
	290,887	4,290		TOTAL	1757.8

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.

Age-specific mortality - Number of deaths in a specific age group during a calendar year.

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.

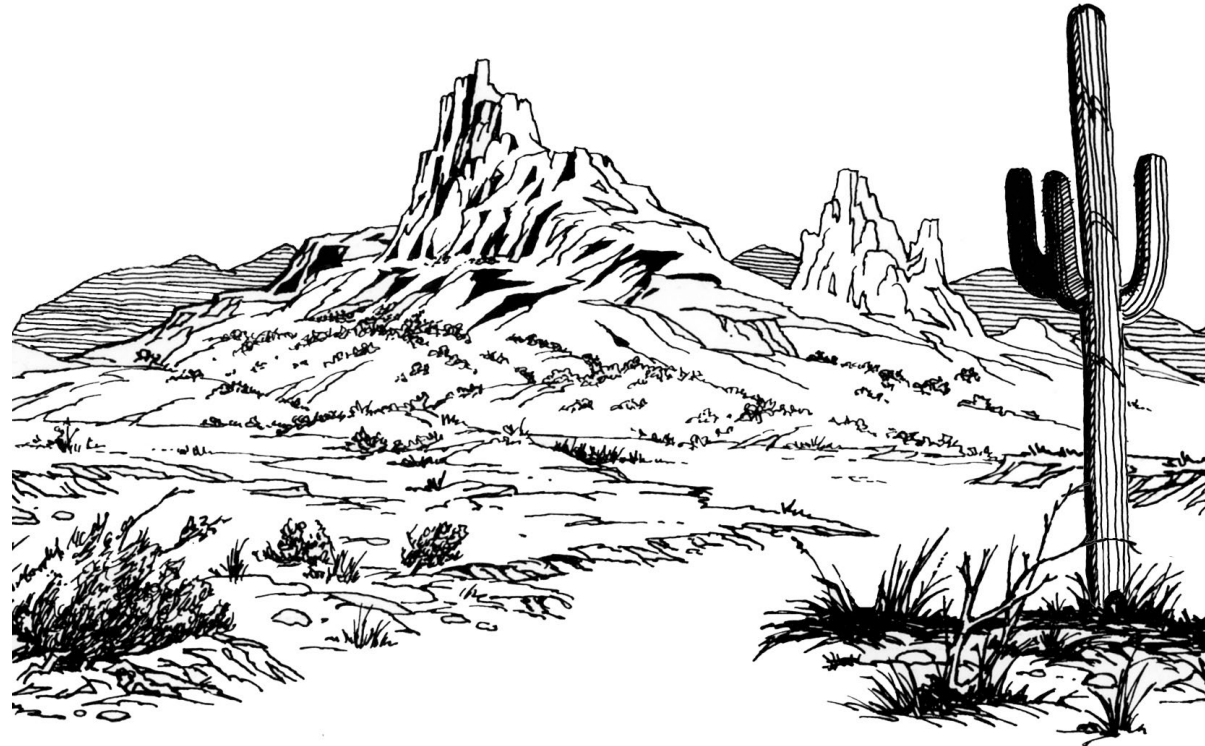
Cause-specific mortality - Number of deaths from a specified cause during a calendar year.

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.

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.

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, Mortality from Alzheimer's Disease, Heart Disease vs. Cancer: An Epidemiologic Transition in Mortality Risks, and Deaths from Exposure to Excessive Natural Heat Occurring in Arizona.



ARIZONA DEPARTMENT OF HEALTH SERVICES
Business Intelligence Office
Vital Statistics Program