

**Health Status
Profile
of American
Indians in
Arizona**



**2017
Data Book**

~ Health and Wellness for all Arizonans ~



Douglas A. Ducey, Governor
State of Arizona

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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA: 2017 DATA BOOK

by

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INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 2017 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 2017.

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 2017 *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 2017 on 65 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 2007-2017 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 2017. 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.

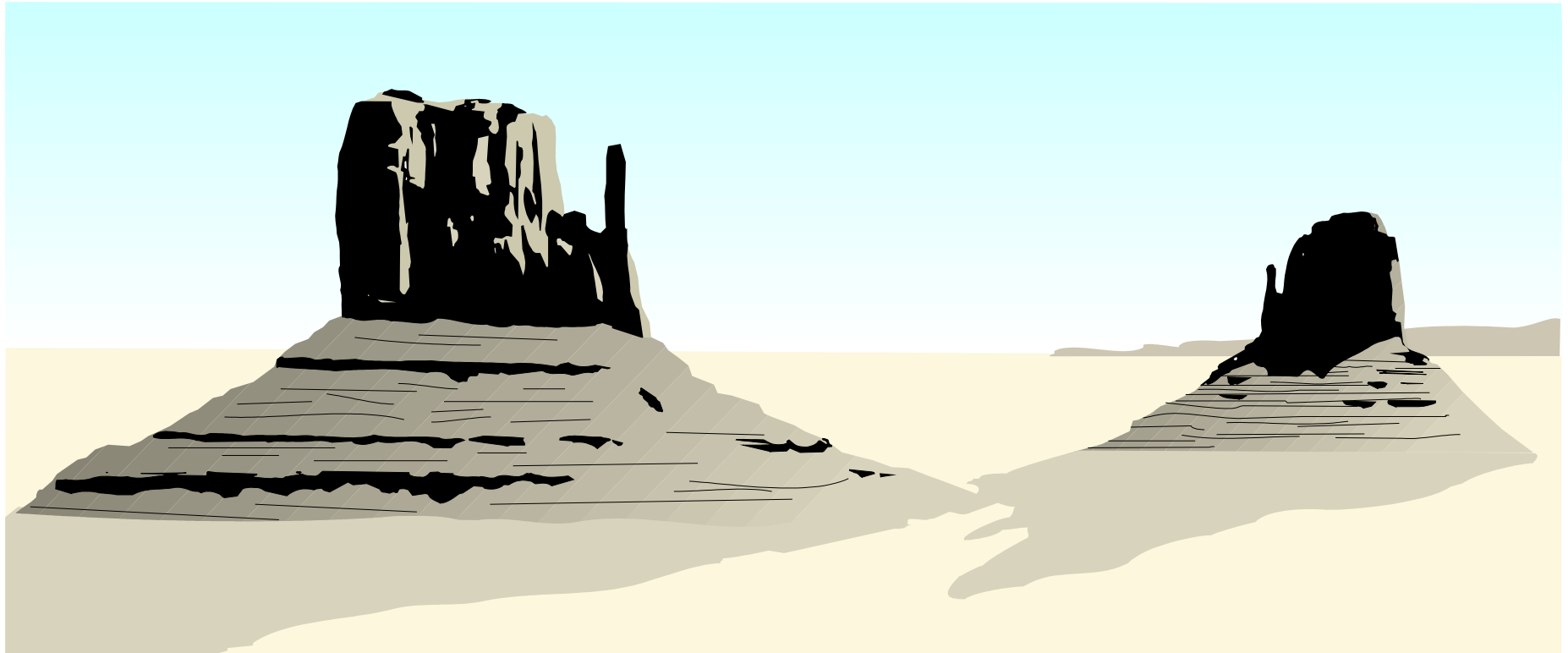
These sections are followed by the **Technical Notes**, which provide information about the sources of data and definitions of terms used in the report. The causes of death for 2007-2017 are classified by the Tenth Revision (ICD-10).

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 2017 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: 2017 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 1998–2017 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 2017

The risk profile presented on the following page summarizes how American Indians as a group compared in 2017 to the state average on 65 measures of health status. The 65 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 65 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 2017, AMERICAN INDIAN RESIDENTS OF ARIZONA:

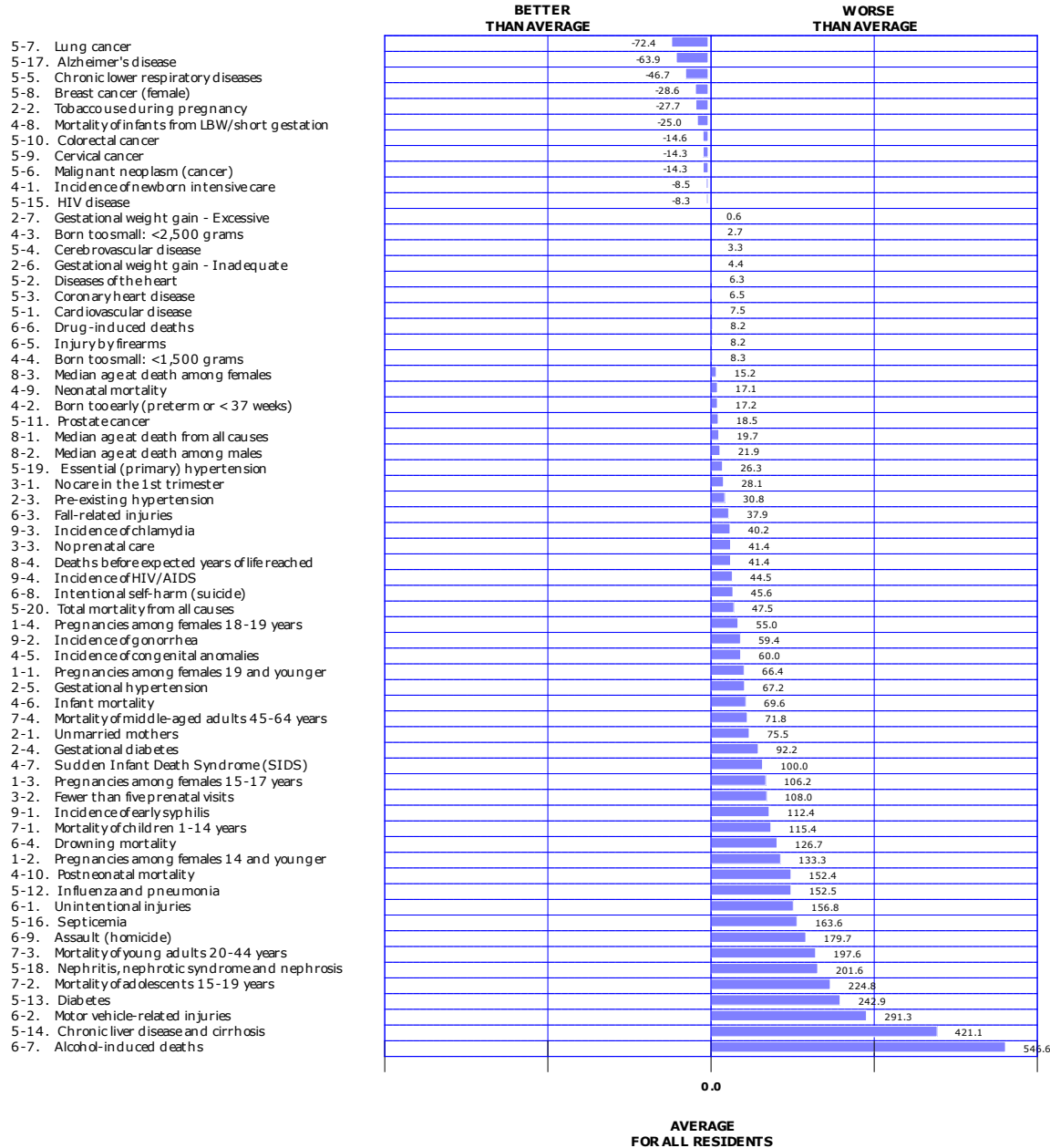
- ranked worse than the statewide average on 54 of 65 health indicators;
- had high mortality from alcohol-induced causes, chronic liver disease and cirrhosis, motor vehicle accidents, diabetes, nephritis, assault, septicemia, unintentional injuries, influenza and pneumonia, post-neonatal mortality, drowning, and sudden infant death syndrome: all contributing to the premature death rate of 77.9 percent.
- ranked poorly on measures of maternal lifestyle and health, as well as in utilization of prenatal care;
- on average were 15 years younger at time of death compared to all racial/ethnic groups;
- ranked better than average on a number of health indicators including: mortality rates for several chronic diseases (lung cancer, Alzheimer’s disease, chronic lower respiratory diseases, breast cancer, colorectal cancer, cervical cancer, malignant neoplasms, and HIV disease), tobacco use during pregnancy, mortality of infants due to low birth weight, and incidence of newborn intensive care.

* 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.

2017 RISK PROFILE OF AMERICAN INDIANS

(Percent above or below the average rate or ratio of all Arizona residents in 2017)



**AMERICAN INDIANS' STANDING IN ARIZONA IN 2017
ON 65 INDICATORS OF HEALTH STATUS**

1. TEEN PREGNANCIES

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

Figure Number	Indicator	2017 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2017	Definitions
1-1	Pregnancies among females 19 and younger	22.8	66.4	13.7	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	0.7	133.3	0.3	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	23.3	106.2	11.3	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	78.9	55.0	50.9	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	2017 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2017	Definitions
2-1	Unmarried mothers	77.9	75.5	44.4	The number of births to unmarried mothers per 100 births.
2-2	Tobacco use during pregnancy	3.4	-27.7	4.7	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births.
2-3	Pre-existing hypertension	1.7	30.8	1.3	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	14.8	92.2	7.7	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	11.2	67.2	6.7	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	23.5	4.4	22.5	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	46.5	0.6	46.2	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 2017
ON 65 INDICATORS OF HEALTH STATUS (continued)**

3. UTILIZATION OF PRENATAL CARE SERVICES

(Per 100 live births)

Figure Number	Indicator	2017 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2017	Definitions
3-1	No care in the 1 st trimester	40.6	28.1	31.7	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	15.6	108.0	7.5	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	4.1	41.4	2.9	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	2017 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2017	Definitions
4-1	Incidence of newborn intensive care	6.5	-8.5	7.1	The number of babies admitted to Newborn Intensive Care units per 100 births.
4-2	Born too early (preterm or < 37 weeks)	10.9	17.2	9.3	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)	7.7	2.7	7.5	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)	1.3	8.3	1.2	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)	0.8	60.0	0.5	The numbers of babies born with birth defects per 100 births.
4-6	Infant mortality	9.5	69.6	5.6	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)	0.4	100.0	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	0.6	-25.0	0.8	The number of infant deaths from low-birthweight/short gestation (ICD-10 code P07) per 1,000 live births.
4-9	Neonatal mortality	4.1	17.1	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	5.3	152.4	2.1	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 2017
ON 65 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	2017 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2017	Definitions
5-1	Cardiovascular disease	204.2	7.5	189.9	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	150.9	6.3	141.9	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	109.5	6.5	102.8	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	31.7	3.3	30.7	The number of deaths from cerebrovascular disease (ICD-10 codes I60-I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	22.9	-46.7	43.0	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)	117.1	-14.3	136.6	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	8.5	-72.4	30.8	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	13.0	-28.6	18.2	The number of deaths from breast cancer (ICD-10 code C50) per 100,000 age-adjusted female population.
5-9	Cervical cancer	1.8	-14.3	2.1	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	11.1	-14.6	13.0	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	19.9	18.5	16.8	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	25.0	152.5	9.9	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	81.6	242.9	23.8	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	74.0	421.1	14.2	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	1.1	-8.3	1.2	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	14.5	163.6	5.5	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	12.7	-63.9	35.2	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)	18.7	201.6	6.2	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	14.9	26.3	11.8	The number of deaths from essential (primary) hypertension (ICD-10 codes I10, I12) per 100,000 age-adjusted population.
5-20	Total mortality from all causes	1001.9	47.5	679.3	Total number of deaths from all causes per 100,000 age-adjusted population.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2017
ON 65 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	2017 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2017	Definitions
6-1	Unintentional injuries	142.0	156.8	55.3	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	54.0	291.3	13.8	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	17.1	37.9	12.4	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	3.4	126.7	1.5	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	17.1	8.2	15.8	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	25.2	8.2	23.3	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	104.1	546.6	16.1	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)	26.2	45.6	18.0	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)	17.9	179.7	6.4	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 2017
ON 65 INDICATORS OF HEALTH STATUS (continued)**

7. PREMATURE MORTALITY

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

Figure Number	Indicator	2017 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2017	Definitions
7-1	Mortality of children 1-14 years old	39.2	115.4	18.2	The number of deaths per 100,000 children 1-14 years old.
7-2	Mortality of adolescents 15-19 years old	174.4	224.8	53.7	The number of deaths per 100,000 adolescents 15-19 years old.
7-3	Mortality of young adults 20-44 years old	463.9	197.6	155.9	The number of deaths per 100,000 young adults 20-44 years old.
7-4	Mortality of middle-aged adults 45-64 years old	1076.6	71.8	626.8	The number of deaths per 100,000 middle-aged adults 45-64 years old.

8. AGE-SPECIFIC MORTALITY

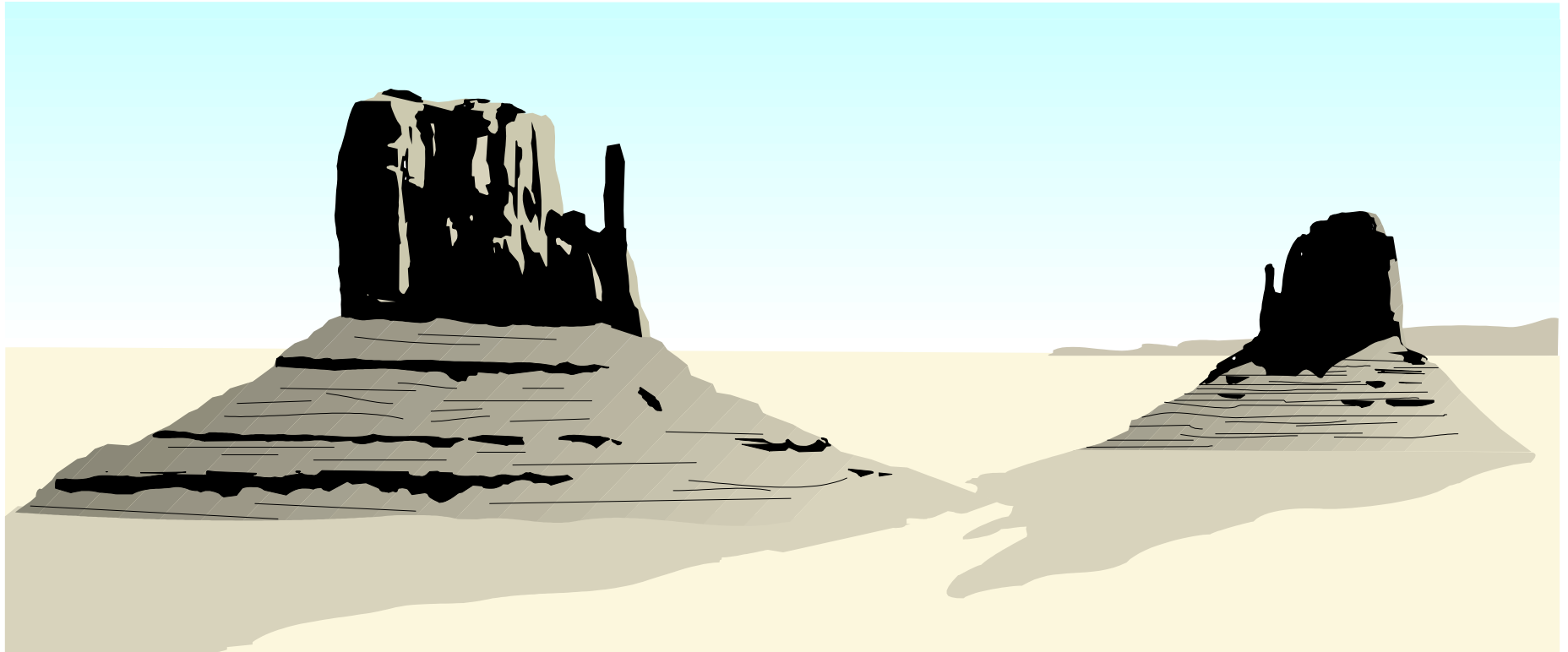
Figure Number	Indicator	2017 rate for American Indians	Percent above or below the average for all groups*	Average rate for all groups in 2017	Definitions
8-1	Median age at death from all causes	61.0	19.7	76.0	The median age (the age in the middle) of Arizonans who died in 2017.
8-2	Median age at death from all causes among males	57.0	21.9	73.0	The median age (the age in the middle) of Arizona males who died in 2017.
8-3	Median age at death from all causes among females	67.0	15.2	79.0	The median age (the age in the middle) of Arizona females who died in 2017.
8-4	Percent of total deaths before expected years of life reached	77.9	41.4	55.1	The number of deaths before reaching 78.8 years (the life expectancy of all U.S. residents in 2017) 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	2017 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2017	Definitions
9-1	Incidence of early syphilis	48.0	112.4	22.6	Number of reported cases of early syphilis per 100,000 population.
9-2	Incidence of gonorrhea	287.7	59.4	180.5	Number of reported cases of gonorrhea per 100,000 population.
9-3	Incidence of chlamydia	801.6	40.2	571.8	Number of reported cases of chlamydia per 100,000 population.
9-4	Incidence of HIV/AIDS	15.9	44.5	11.0	Number of reported cases of HIV/AIDS per 100,000 population.



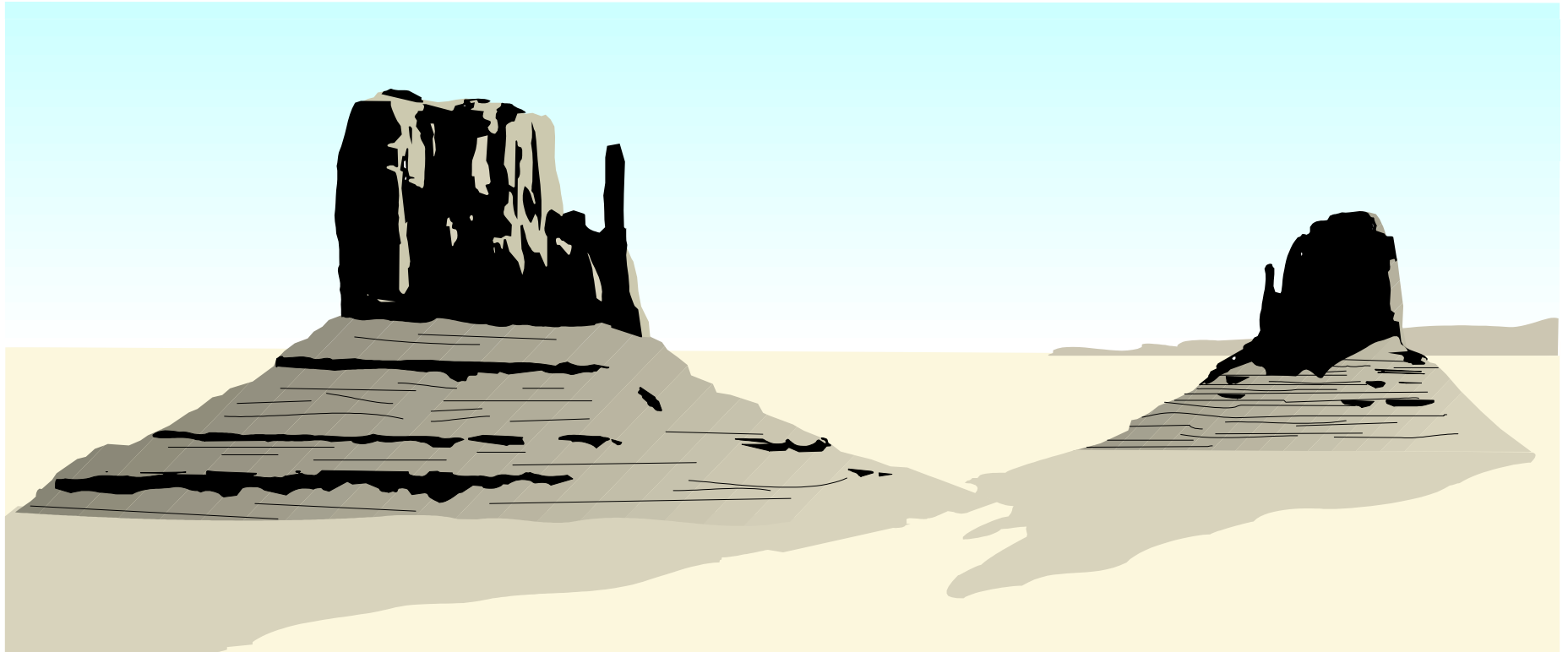
II.

COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO SELECTED HEALTH OBJECTIVES FOR THE YEAR 2017

**COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO
SELECTED HEALTH OBJECTIVES FOR THE YEAR 2017**

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 (HP16-10a); 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	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
2.1	Percent of American Indian women giving birth who received early prenatal care	90.0	77.9	65.9	65.1	66.0	69.4	68.6	68.2	68.7	58.4	58.5	60.7	59.4
2.2	Number of infant deaths per 1,000 American Indian live births (6 per 1,000)	6.0	6.0	8.1	8.2	8.4	8.1	7.4	7.4	6.6	8.7	7.8	8.3	9.5
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	3.9	3.6	4.2	4.3	4.1	3.6	2.9	3.7	4.6	4.2	5.3
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	95.0	92.6	92.6	99.2	100.6	94.8	104.5	85.4	139.0	139.1	142.0
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	49.0	41.9	36.9	41.7	44.2	37.8	31.7	35.6	54.3	52.2	54.0
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	9.8	13.5	15.9	18.7	14.9	17.9	21.9	13.9	19.0	24.2	26.2
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	13.1	12.8	13.2	18.0	11.9	17.3	17.7	7.3	15.7	17.6	17.9
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	107.2	108.1	111.4	130.4	105.3	155.7	146.4	129.5	171.0	175.3	192.8
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	36.8	40.7	54.0	64.6	43.6	59.2	62.0	52.7	77.6	85.9	74.0
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	2.3	4.8	4.1	3.0	3.1	2.8	2.0	0.0	1.9	1.9	1.8

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



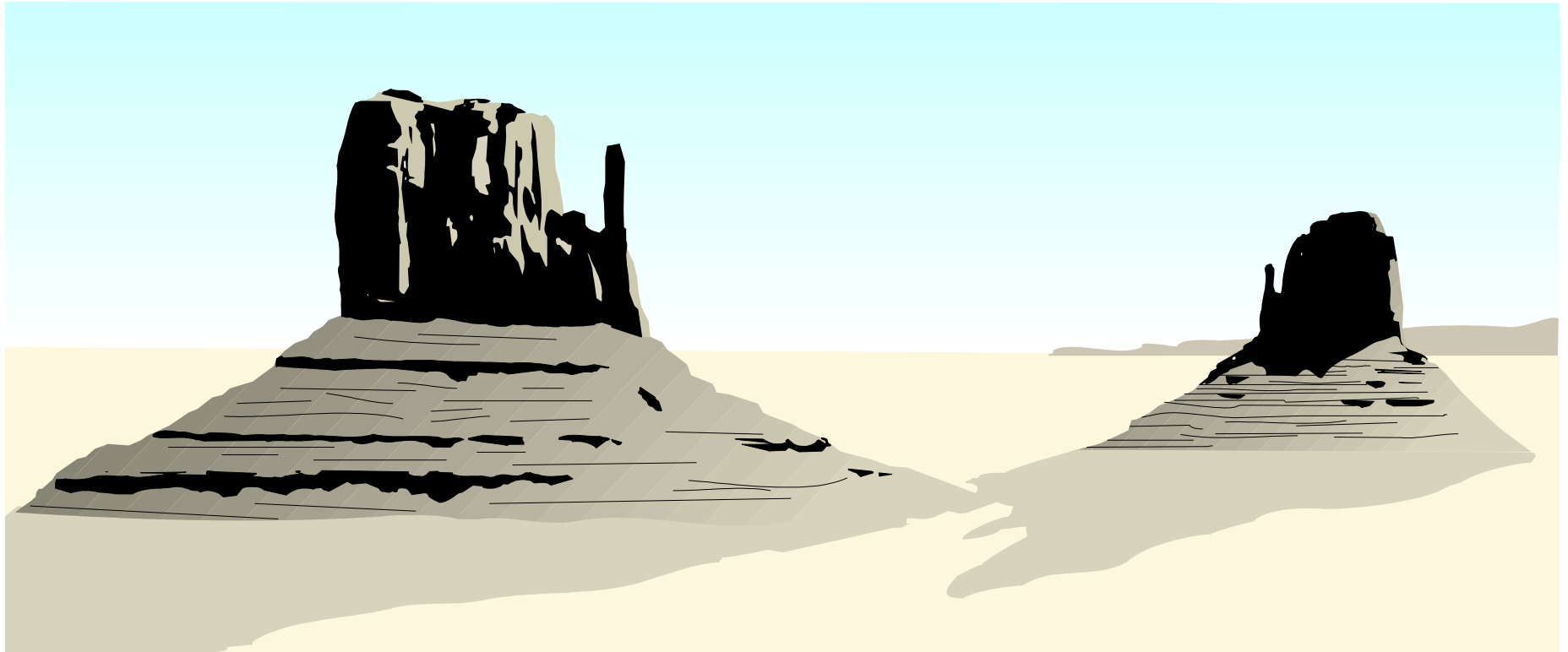
III.

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

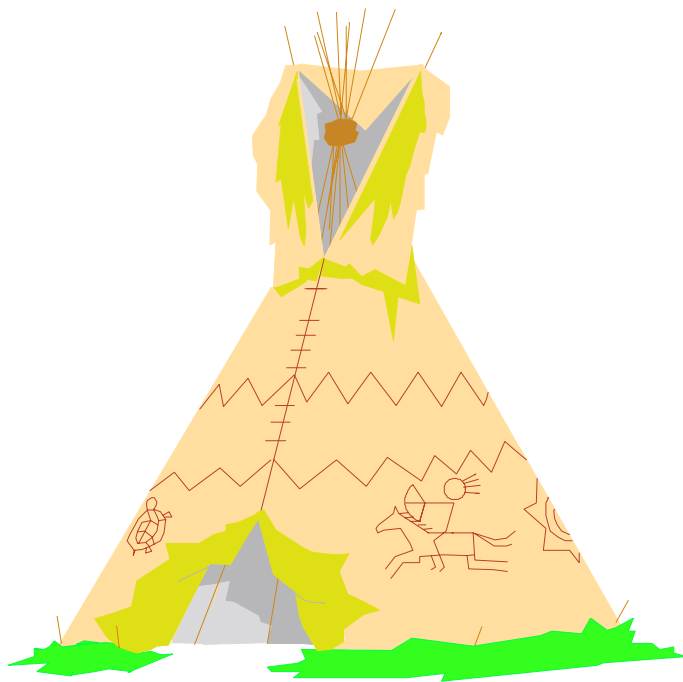
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Median Age at Death from all Causes											
All Arizonans	76.0	77.0	76.0	77.0	77.0	77.0	76.0	76.0	76.0	76.0	76.0
American Indians	59.0	59.0	59.0	58.0	60.0	59.0	60.0	61.0	60.0	60.0	61.0
Births to Unmarried Mothers^a											
All Arizonans	45.0	45.1	45.2	44.7	44.3	45.2	45.1	44.7	45.3	44.8	44.4
American Indians	75.9	75.8	76.9	77.7	77.1	78.5	79.2	78.9	79.6	78.1	77.9
Incidence of Gonorrhea^b											
All Arizonans	78.7	52.8	49.3	50.8	71.4	89.4	98.2	112.2	122.4	151.3	179.6
American Indians	94.4	73.3	50.0	85.1	162.8	185.7	224.6	206.5	183.3	229.0	285.5
Low-Birthweight Births^a											
All Arizonans	7.1	7.1	7.1	7.1	7.0	6.9	6.9	7.0	7.2	7.3	7.5
American Indians	6.6	6.7	6.4	7.0	6.9	6.7	7.2	6.1	7.3	7.2	7.7
Births to Teenage Mothers^a											
All Arizonans	12.6	12.3	11.8	10.8	9.9	9.5	8.5	7.6	6.9	6.4	6.2
American Indians	20.1	18.6	19.0	17.0	16.9	16.0	14.2	11.7	11.4	10.7	10.7
Congenital Anomalies (Birth Defects)^a											
All Arizonans	0.8	0.9	0.6	0.6	1.1	0.8	0.7	0.5	0.4	0.5	0.5
American Indians	1.4	0.9	0.8	0.6	1.4	0.9	0.8	0.8	0.9	1.2	0.8
Gestational Hypertension^c											
All Arizonans	31.0	35.3	36.1	39.1	41.9	45.2	55.8	52.4	59.9	62.4	67.4
American Indians	57.9	58.9	55.4	61.2	62.8	64.6	74.1	85.9	102.7	104.5	112.0
Gestational Diabetes^c											
All Arizonans	34.3	38.9	38.7	41.8	46.4	51.2	57.2	61.3	75.5	76.0	76.5
American Indians	80.4	82.0	82.2	77.9	93.3	99.3	111.4	121.5	144.7	146.4	148.0

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 2017



SOCIODEMOGRAPHIC CHARACTERISTICS

**4.1
MATERNAL AGE (2017 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		4,870†	10†	160†	350†	1,330†	1,510†	940†	460†	110†	0†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	*	6	*	*	0	0	0
	Cocopah Tribe	10†	0	0	0	*	*	*	0	0	0
	Colorado River Indian Tribe	20†	0	0	*	6	7	*	*	*	0
	Fort McDowell Yavapai Nation Reservation	20†	0	0	0	*	9	*	*	*	0
	Fort Mohave Indian Tribe	0†	0	0	0	0	*	0	0	0	0
	Gila River Indian Community	210†	0	12	17	67	63	30	14	*	0
	Havasupai Tribe	10†	0	*	*	0	*	*	*	0	0
	Hopi Tribe	80†	0	*	8	22	18	15	10	0	0
	Hualapai Tribe	40†	0	*	*	14	14	*	*	0	0
	Navajo Nation	1,150†	*	41	80	278	328	249	138	37	*
	Pascua Yaqui Tribe	10†	0	0	*	*	*	*	0	*	0
	Salt River Pima-Maricopa Indian Community	80†	0	*	10	23	26	15	7	0	0
	San Carlos Apache Tribe	250†	*	9	22	80	83	31	20	6	0
	Tohono O'Odham Nation	120†	0	*	8	33	31	26	13	*	0
	White Mountain Apache Tribe	310†	0	22	27	88	91	66	18	*	0
	Yavapai-Apache Nation	10†	0	0	0	0	*	*	*	0	0
	Yavapai-Prescott Indian Tribe	0†	0	0	0	0	0	0	*	0	0
	TOTAL	2,340†	0†	100†	180†	630†	690†	450†	240†	50†	0†
Resided off reservation	---in Maricopa County	1,220†	*	31	69	349	385	234	122	30	0
	---in Pima County	310†	*	10	23	86	98	69	18	*	0
	---in Coconino County	340†	*	7	26	86	104	75	29	7	*
	---elsewhere in Arizona	660†	*	17	50	184	229	112	52	17	0
		TOTAL	2,530†	0†	65	168	705	816	490	221	60†

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 (2017 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		4,870†	80†	1,190†	1,660†	1,300†	360†	170†	80†	20†
Resided on reservation	Ak-Chin Indian Community	10†	0	*	7	*	*	0	0	0
	Cocopah Tribe	10†	0	*	6	*	0	0	0	0
	Colorado River Indian Tribe	20†	0	7	11	*	0	0	*	0
	Fort McDowell Yavapai Nation Reservation	23	0	6	6	7	0	0	*	*
	Fort Mohave Indian Tribe	0†	0	0	*	0	*	0	0	0
	Gila River Indian Community	210†	11	97	65	26	*	*	*	*
	Havasupai Tribe	10†	0	7	*	0	0	0	0	0
	Hopi Tribe	80†	0	14	23	27	8	*	*	*
	Hualapai Tribe	40†	*	13	19	*	*	0	0	0
	Navajo Nation	1,154	6	201	386	370	118	48	21	*
	Pascua Yaqui Tribe	10†	0	*	*	*	*	0	0	0
	Salt River Pima-Maricopa Indian Community	80†	*	33	26	13	*	*	0	0
	San Carlos Apache Tribe	250†	8	74	113	42	8	*	0	*
	Tohono O'Odham Nation	120†	*	45	44	15	9	0	0	*
	White Mountain Apache Tribe	310†	*	130	110	58	*	*	*	0
	Yavapai-Apache Nation	10†	0	0	*	*	0	0	0	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0	0	0	0	0	0
	TOTAL	2,340†	40†	640†	830†	580†	160†	60†	30†	10†
Resided off reservation	---in Maricopa County	1,221	20	254	373	370	104	69	29	*
	---in Pima County	309	9	93	100	78	15	7	7	0
	---in Coconino County	340†	*	57	128	94	30	16	6	*
	---elsewhere in Arizona	662	12	153	238	183	48	20	*	*
		TOTAL	2,528	40†	557	839	725	197	112	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.

**4.3
MARITAL STATUS OF MOTHER (2017 STATUS)**

		TOTAL BIRTHS	Marital status		
			Married	Unmarried	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	1,010†	3,790†	70†
Resided on reservation	Ak-Chin Indian Community	13	6	7	0
	Cocopah Tribe	10†	*	8	0
	Colorado River Indian Tribe	20†	*	19	*
	Fort McDowell Yavapai Nation Reservation	20†	*	18	0
	Fort Mohave Indian Tribe	0†	0	*	0
	Gila River Indian Community	210†	20	182	*
	Havasupai Tribe	9	0	9	0
	Hopi Tribe	78	6	72	0
	Hualapai Tribe	39	7	32	0
	Navajo Nation	1,154	242	901	11
	Pascua Yaqui Tribe	10†	*	11	0
	Salt River Pima-Maricopa Indian Community	80†	11	69	*
	San Carlos Apache Tribe	250†	45	203	*
	Tohono O'Odham Nation	120†	7	109	*
	White Mountain Apache Tribe	313	78	229	6
	Yavapai-Apache Nation	10†	0	*	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0
	TOTAL	2,340†	430†	1,880†	30†
Resided off reservation	---in Maricopa County	1,221	272	930	19
	---in Pima County	310†	60	244	*
	---in Coconino County	336	72	257	7
	---elsewhere in Arizona	662	172	481	9
		TOTAL	2,528	576	1,912

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 (2017 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		4,870†	1,380†	590†	90†	2,770†	30†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	0	8	0
	Cocopah Tribe	10†	*	*	0	*	0
	Colorado River Indian Tribe	20†	10	*	0	9	0
	Fort McDowell Yavapai Nation Reservation	20†	9	*	0	8	*
	Fort Mohave Indian Tribe	0†	*	*	0	0	0
	Gila River Indian Community	210†	59	20	*	123	*
	Havasupai Tribe	10†	*	0	0	*	0
	Hopi Tribe	80†	16	*	0	61	0
	Hualapai Tribe	40†	17	*	0	21	0
	Navajo Nation	1,150†	242	12	*	895	*
	Pascua Yaqui Tribe	10†	0	*	0	12	0
	Salt River Pima-Maricopa Indian Community	80†	31	9	*	41	0
	San Carlos Apache Tribe	250†	105	*	*	144	0
	Tohono O'Odham Nation	120†	40	0	*	76	0
	White Mountain Apache Tribe	310†	75	*	*	232	0
	Yavapai-Apache Nation	10†	0	*	0	*	0
	Yavapai-Prescott Indian Tribe	0†	0	0	0	*	0
	TOTAL	2,340†	620†	70†	10†	1,640†	0†
Resided off reservation	---in Maricopa County	1,221	367	317	52	467	18
	---in Pima County	309	89	95	14	105	6
	---in Coconino County	340†	84	17	*	231	*
	---elsewhere in Arizona	660†	222	96	13	327	*
		TOTAL	2,528	762	525	80†	1,130

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.

**4.5
AGE OF FATHER (2017 STATUS)**

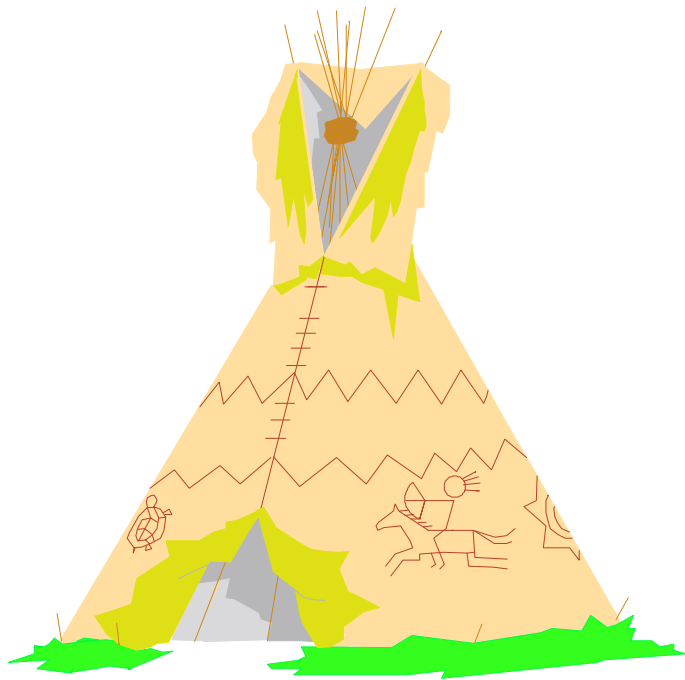
		TOTAL BIRTHS	Father's age group											
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	0	90†	200†	840†	1,190†	780†	460†	230†	60†	20†	10†	990†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	*	*	*	*	0	0	0	0	0	*
	Cocopah Tribe	10†	0	0	*	*	*	*	*	*	0	0	0	*
	Colorado River Indian Tribe	20†	0	0	0	*	*	*	*	*	*	0	0	7
	Fort McDowell Yavapai Nation Reservation	20†	0	0	*	*	*	*	*	*	*	*	0	7
	Fort Mohave Indian Tribe	0†	0	0	0	*	*	0	0	0	0	0	0	0
	Gila River Indian Community	210†	0	7	15	49	40	20	13	6	*	0	*	53
	Havasupai Tribe	10†	0	0	*	*	0	0	*	0	0	*	0	*
	Hopi Tribe	80†	0	*	*	16	18	14	7	*	0	*	0	13
	Kaibab Indian Reservation	40†	0	0	*	9	7	*	*	*	0	*	0	13
	Navajo Nation	1,150†	0	20	50	161	295	192	139	66	22	8	*	197
	Pascua Yaqui Tribe	10†	0	0	*	*	*	*	*	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	80†	0	*	*	16	18	9	9	*	0	0	0	22
	San Carlos Apache Tribe	250†	0	*	8	46	49	24	13	9	0	0	0	101
	Tohono O'Odham Nation	120†	0	*	*	14	26	14	8	*	*	*	*	40
	White Mountain Apache Tribe	310†	0	10	19	52	71	55	22	15	*	0	0	67
	Yavapai-Apache Nation	10†	0	0	0	*	*	0	0	*	0	0	0	0
Yavapai-Prescott Indian Tribe	0†	0	0	0	0	0	*	0	0	0	0	0	0	
TOTAL	2,340†	0	50†	110†	380†	540†	350†	220†	120†	30†	10†	10†	530†	
Resided off reservation	---in Maricopa County	1,220†	0	15	39	239	321	217	112	50	11	6	*	209
	---in Pima County	310†	0	8	17	46	80	59	24	11	*	0	*	59
	---in Coconino County	340†	0	6	*	59	85	61	37	22	7	0	*	54
	---elsewhere in Arizona	660†	0	11	24	118	164	100	64	27	10	*	*	139
	TOTAL	2,530†	0	40	80†	462	650	437	237	110	30†	10†	10†	461

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 (2017 STATUS)

		TOTAL BIRTHS	Payer for births				
			AHCCCS ^a	IHS	Private insurance	Self	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	3,310†	810†	630†	100†	20†
Resided on reservation	Ak-Chin Indian Community	10†	0	9	*	*	0
	Cocopah Tribe	10†	*	*	0	0	0
	Colorado River Indian Tribe	20†	15	*	*	*	0
	Fort McDowell Yavapai Nation Reservation	20†	8	*	11	*	*
	Fort Mohave Indian Tribe	0†	*	0	*	0	0
	Gila River Indian Community	210†	88	96	15	*	*
	Havasupai Tribe	10†	8	*	0	0	0
	Hopi Tribe	80†	61	*	12	*	0
	Hualapai Tribe	40†	29	8	*	*	0
	Navajo Nation	1,154	948	88	87	29	*
	Pascua Yaqui Tribe	10†	*	8	0	0	0
	Salt River Pima-Maricopa Indian Community	80†	55	12	11	*	*
	San Carlos Apache Tribe	250†	101	135	14	*	*
	Tohono O'Odham Nation	120†	37	57	22	*	0
	White Mountain Apache Tribe	310†	268	21	20	*	*
	Yavapai-Apache Nation	10†	*	0	*	0	0
	Yavapai-Prescott Indian Tribe	0†	*	0	0	0	0
	TOTAL	2,340†	1,630†	450†	200†	50†	10†
Resided off reservation	---in Maricopa County	1,221	821	143	234	17	6
	---in Pima County	309	146	97	59	6	*
	---in Coconino County	336	264	17	47	6	*
	---elsewhere in Arizona	662	444	102	93	22	*
		TOTAL	2,528	1,675	359	433	51

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 AND HEALTH CHARACTERISTICS

4.7
MATERNAL WEIGHT GAIN DURING PREGNANCY (2017 STATUS)

		TOTAL BIRTHS	Weight gain			
			Inadequate	Appropriate	Excessive	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	1,140†	1,410†	2,270†	50†
Resided on reservation	Ak-Chin Indian Community	13	0	6	7	0
	Cocopah Tribe	10†	*	*	*	0
	Colorado River Indian Tribe	20†	9	*	9	*
	Fort McDowell Yavapai Nation Reservation	20†	*	6	14	*
	Fort Mohave Indian Tribe	0†	0	*	*	0
	Gila River Indian Community	210†	27	53	124	*
	Havasupai Tribe	10†	*	*	*	0
	Hopi Tribe	80†	22	18	37	*
	Hualapai Tribe	40†	11	8	19	*
	Navajo Nation	1,154	344	352	440	18
	Pascua Yaqui Tribe	10†	*	*	6	0
	Salt River Pima-Maricopa Indian Community	80†	26	16	39	*
	San Carlos Apache Tribe	250†	60	65	125	*
	Tohono O'Odham Nation	117	31	27	59	0
	White Mountain Apache Tribe	310†	71	91	150	*
	Yavapai-Apache Nation	10†	0	*	*	0
	Yavapai-Prescott Indian Tribe	0†	0	0	*	0
	TOTAL	2,340†	610†	660†	1,040†	30†
Resided off reservation	---in Maricopa County	1,221	259	356	597	9
	---in Pima County	310†	66	87	153	*
	---in Coconino County	340†	74	100	159	*
	---elsewhere in Arizona	662	132	204	318	8
		TOTAL	2,528	531	747	1,227

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 (2017 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		4,870†	1,843	150	720	83	545	10†	262	126	51	17	399	10†	17
Resided on reservation	Ak-Chin Indian Community	13	0†	0	*	*	0	0	0	0	0	0	*	0	0
	Cocopah Tribe	9	10†	*	*	0	*	0	*	0	0	0	*	0	0
	Colorado River Indian Tribe	22	0†	0	0	*	0	0	0	0	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	23	0†	0	0	0	*	0	*	0	0	0	*	0	0
	Fort Mohave Indian Tribe	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	205	70†	9	30	*	27	0	12	0	*	0	9	0	*
	Havasupai Tribe	9	0†	*	0	0	*	0	*	0	0	0	0	0	0
	Hopi Tribe	78	40†	0	14	0	15	*	*	0	*	0	9	0	0
	Hualapai Tribe	39	10†	*	*	0	*	*	*	0	0	0	*	0	0
	Navajo Nation	1,154	480†	48	170	22	146	*	48	53	22	*	123	0	*
	Pascua Yaqui Tribe	13	0†	0	*	*	*	0	*	0	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	82	30†	*	17	*	8	*	*	*	0	0	*	0	*
	San Carlos Apache Tribe	253	80†	*	16	*	28	0	10	*	*	7	30	0	0
	Tohono O'Odham Nation	117	60†	9	14	7	16	0	16	*	*	*	12	0	0
	White Mountain Apache Tribe	313	140†	*	50	*	34	*	37	7	*	0	34	0	*
	Yavapai-Apache Nation	5	0†	*	0	*	0	0	0	0	0	0	0	0	0
	Yavapai-Prescott Indian Tribe	1	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2,340†	910†	80†	320†	40†	280†	10†	140†	70†	40†	10†	230†	0	10†	
Resided off reservation	---in Maricopa County	1,221	460†	32	228	16	128	*	54	24	7	*	70	*	*
	---in Pima County	309	120†	6	42	6	39	0	25	7	0	*	27	*	*
	---in Coconino County	336	120†	10	45	11	32	0	13	9	7	*	21	0	*
	---elsewhere in Arizona	662	240†	22	90	6	65	*	33	18	*	*	52	*	*
	TOTAL	2,528	932	70	405	39	264	10†	125	58	20†	10†	170	10†	10†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a 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 (2017 STATUS)**

		TOTAL BIRTHS	Smoking during pregnancy			
			Non Smoker	Light Smoker	Heavy Smoker	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	4,500†	140†	30†	200†
Resided on reservation	Ak-Chin Indian Community	13	13	0	0	0
	Cocopah Tribe	9	9	0	0	0
	Colorado River Indian Tribe	20†	20	*	0	*
	Fort McDowell Yavapai Nation Reservation	20†	20	*	*	*
	Fort Mohave Indian Tribe	0†	*	0	0	0
	Gila River Indian Community	210†	199	*	*	*
	Havasupai Tribe	9	9	0	0	0
	Hopi Tribe	80†	77	*	0	0
	Hualapai Tribe	40†	36	*	*	0
	Navajo Nation	1,150†	1,006	17	*	130
	Pascua Yaqui Tribe	13	13	0	0	0
	Salt River Pima-Maricopa Indian Community	80†	79	*	*	0
	San Carlos Apache Tribe	250†	238	12	*	*
	Tohono O'Odham Nation	120†	109	*	*	*
	White Mountain Apache Tribe	310†	288	22	*	0
	Yavapai-Apache Nation	10†	*	*	0	0
	Yavapai-Prescott Indian Tribe	0†	*	0	0	0
	TOTAL	2,340†	2,120†	70†	10†	140†
Resided off reservation	---in Maricopa County	1,220†	1,182	29	*	*
	---in Pima County	310†	294	11	*	0
	---in Coconino County	340†	326	*	0	6
	---elsewhere in Arizona	662	574	26	9	53
		TOTAL	2,528	2,376	70†	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.



Utilization of Medical Services

4.10
TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN (2017 STATUS)

		TOTAL BIRTHS	Prenatal care				
			No care	1st trimester	2nd trimester	3rd trimester	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	200†	2,890†	1,180†	410†	190†
Resided on reservation	Ak-Chin Indian Community	10†	0	11	*	*	0
	Cocopah Tribe	10†	0	*	*	0	0
	Colorado River Indian Tribe	20†	*	*	*	*	10
	Fort McDowell Yavapai Nation Reservation	20†	*	9	*	*	*
	Fort Mohave Indian Tribe	0†	0	*	0	*	0
	Gila River Indian Community	205	14	105	52	22	12
	Havasupai Tribe	10†	0	*	*	*	*
	Hopi Tribe	80†	*	53	16	7	0
	Hualapai Tribe	40†	*	8	20	6	*
	Navajo Nation	1,154	26	775	226	93	34
	Pascua Yaqui Tribe	10†	0	8	*	*	0
	Salt River Pima-Maricopa Indian Community	80†	*	48	16	10	*
	San Carlos Apache Tribe	253	23	96	77	47	10
	Tohono O'Odham Nation	117	14	56	33	13	*
	White Mountain Apache Tribe	310†	*	171	108	30	*
	Yavapai-Apache Nation	10†	0	*	*	0	0
	Yavapai-Prescott Indian Tribe	0†	0	0	0	*	0
	TOTAL	2,340†	90†	1,360†	570†	240†	80†
Resided off reservation	---in Maricopa County	1,221	40	746	293	77	65
	---in Pima County	309	31	167	87	22	*
	---in Coconino County	336	13	213	85	18	7
	---elsewhere in Arizona	662	25	408	146	48	35
		TOTAL	2,528	109	1,534	611	165

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 (2017 STATUS)**

		TOTAL BIRTHS	Prenatal visits					Unknown
			No visits	1-4 visits	5-8 visits	9-12 visits	13+ visits	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	200†	560†	1,180†	1,890†	970†	70†
Resided on reservation	Ak-Chin Indian Community	10†	0	*	*	9	0	0
	Cocopah Tribe	10†	0	*	*	*	0	0
	Colorado River Indian Tribe	20†	*	*	6	6	*	*
	Fort McDowell Yavapai Nation Reservation	20†	*	*	*	10	6	*
	Fort Mohave Indian Tribe	0†	0	*	0	*	0	0
	Gila River Indian Community	205	14	23	38	99	25	6
	Havasupai Tribe	10†	0	*	*	*	0	*
	Hopi Tribe	80†	*	7	18	34	17	0
	Hualapai Tribe	40†	*	10	12	8	*	*
	Navajo Nation	1,154	26	105	252	473	287	11
	Pascua Yaqui Tribe	10†	0	*	*	*	6	0
	Salt River Pima-Maricopa Indian Community	80†	*	16	18	25	17	*
	San Carlos Apache Tribe	253	23	65	84	55	23	*
	Tohono O'Odham Nation	117	14	34	28	27	13	*
	White Mountain Apache Tribe	310†	*	55	95	129	31	*
	Yavapai-Apache Nation	10†	0	0	*	*	*	0
Yavapai-Prescott Indian Tribe	0†	0	*	0	0	0	0	
	TOTAL	2,340†	90†	330†	570†	890†	440†	30†
Resided off reservation	---in Maricopa County	1,221	40	103	301	500	253	24
	---in Pima County	309	31	37	90	93	58	0
	---in Coconino County	336	13	29	78	135	75	6
	---elsewhere in Arizona	662	25	63	139	278	147	10
		TOTAL	2,528	109	232	608	1,006	533

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 (2017 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		4,870†	2,260†	1,350†	1,150†	0†	40†	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	20†	6	6	*	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	20†	*	*	*	0	0	0	0
	Fort Mohave Indian Tribe	0†	*	0	*	0	0	0	0
	Gila River Indian Community	205	59	48	22	0	0	0	0
	Havasupai Tribe	10†	6	*	*	0	0	0	0
	Hopi Tribe	78	40	23	21	0	0	0	0
	Hualapai Tribe	39	20	12	8	0	0	0	0
	Navajo Nation	1,150†	526	362	213	0	10	*	7
	Pascua Yaqui Tribe	10†	*	*	*	0	0	0	0
	Salt River Pima-Maricopa Indian Community	80†	23	14	11	0	*	0	*
	San Carlos Apache Tribe	250†	116	58	69	0	*	0	*
	Tohono O'Odham Nation	117	73	34	45	0	0	0	0
	White Mountain Apache Tribe	310†	157	70	81	0	8	0	*
	Yavapai-Apache Nation	10†	*	*	*	0	0	0	0
Yavapai-Prescott Indian Tribe	1	0	0	0	0	0	0	0	
	TOTAL	2,340†	1,050†	640†	490†	0	20†	10†	10†
Resided off reservation	---in Maricopa County	1,220†	557	324	314	*	*	*	*
	---in Pima County	310†	211	105	115	0	6	*	0
	---in Coconino County	340†	140	88	82	0	*	0	*
	---elsewhere in Arizona	660†	307	187	157	0	*	*	*
		TOTAL	2,530†	1,215	704	668	0†	10†	0†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^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 (2017 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		4,870†	1,500†	320†	280†	180†	190†	120†	370†	310†	90†	20†	0†	10†	20†	30†
Resided on reservation	Ak-Chin Indian Community	13	0†	*	0	0	0	*	0	*	0	0	0	0	0	0
	Cocopah Tribe	9	0†	*	0	0	0	0	*	0	*	0	0	0	0	0
	Colorado River Indian Tribe	22	0†	0	0	0	0	0	*	*	0	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	23	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	0
	Gila River Indian Community	205	70†	13	7	*	*	*	32	16	*	*	0	0	*	0
	Havasupai Tribe	9	0†	0	0	0	0	0	0	*	0	0	0	0	0	0
	Hopi Tribe	78	30†	6	*	*	*	*	9	11	*	*	0	0	*	*
	Hualapai Tribe	39	0†	*	0	0	0	0	*	*	0	0	0	0	0	0
	Navajo Nation	1,154	370†	96	92	38	57	11	65	67	33	*	0	*	8	9
	Pascua Yaqui Tribe	13	10†	*	*	*	0	*	*	*	*	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	82	30†	*	*	*	*	*	*	8	*	0	*	0	*	*
	San Carlos Apache Tribe	253	90†	7	22	11	12	6	27	24	7	*	0	0	*	*
	Tohono O'Odham Nation		40†	10	10	6	*	6	9	6	*	0	0	0	0	0
	White Mountain Apache Tribe	313	70†	*	17	17	12	*	19	*	7	0	*	*	*	7
Yavapai-Apache Nation	*	0	0	0	0	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	0	0	0	
	TOTAL	2,340†	720†	140†	150†	90†	100†	40†	170†	150†	60†	10†	0†	10†	10†	20†
Resided off reservation	---in Maricopa County	1,221	120†	98	48	49	50	43	101	105	17	7	0	*	*	9
	---in Pima County	309	90†	27	36	10	7	25	22	12	7	*	0	*	0	0
	---in Coconino County	336	170†	19	14	15	18	8	16	23	*	*	0	0	*	*
	---elsewhere in Arizona	662	720†	35	28	19	17	7	59	24	*	*	*	0	*	*
		TOTAL	2,528	781	179	126	93	92	83	198	164	30†	20†	0†	0†	10†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^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 (2017 STATUS)**

		TOTAL BIRTHS	Method of delivery ^a			
			Vaginal	C-Section	Forceps	Vacuum
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	3,610†	1,190†	10†	60†
Resided on reservation	Ak-Chin Indian Community	13	9	*	0	0
	Cocopah Tribe	9	*	*	0	0
	Colorado River Indian Tribe	22	16	6	0	0
	Fort McDowell Yavapai Nation Reservation	23	17	6	0	0
	Fort Mohave Indian Tribe	*	*	0	0	0
	Gila River Indian Community	205	151	53	0	*
	Havasupai Tribe	9	6	*	0	*
	Hopi Tribe	78	58	19	0	*
	Hualapai Tribe	39	24	14	0	*
	Navajo Nation	1,154	938	213	0	*
	Pascua Yaqui Tribe	13	9	*	0	0
	Salt River Pima-Maricopa Indian Community	82	48	32	*	*
	San Carlos Apache Tribe	253	176	63	*	9
	Tohono O'Odham Nation	117	90	26	0	*
	White Mountain Apache Tribe	313	210	92	0	11
	Yavapai-Apache Nation	*	*	*	0	0
	Yavapai-Prescott Indian Tribe	*	*	0	0	0
	TOTAL	2,340†	1,760†	540†	10†	30†
Resided off reservation	---in Maricopa County	1,221	862	345	*	13
	---in Pima County	309	235	68	*	*
	---in Coconino County	336	263	71	0	*
	---elsewhere in Arizona	662	487	162	*	10
		TOTAL	2,528	1,847	646	10†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a 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 (2017 STATUS)**

		TOTAL BIRTHS	M.D.	C.N.M / C.M.	Hospital admin	Midwife	D.O.	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	2,850†	490†	1,310†	0†	220†	0†
Resided on reservation	Ak-Chin Indian Community	10†	8	*	0	0	0	0
	Cocopah Tribe	10†	7	0	*	0	0	0
	Colorado River Indian Tribe	20†	19	*	0	0	*	0
	Fort McDowell Yavapai Nation Reservation	20†	20	*	*	0	0	*
	Fort Mohave Indian Tribe	0†	*	0	0	0	0	0
	Gila River Indian Community	210†	152	50	*	0	0	0
	Havasupai Tribe	10†	6	*	*	0	0	0
	Hopi Tribe	80†	34	*	39	0	0	0
	Hualapai Tribe	40†	27	11	*	0	0	0
	Navajo Nation	1,154	269	39	712	0	134	0
	Pascua Yaqui Tribe	10†	8	0	*	0	0	0
	Salt River Pima-Maricopa Indian Community	80†	72	*	9	0	0	0
	San Carlos Apache Tribe	250†	242	*	*	0	*	0
	Tohono O'Odham Nation	120†	106	9	*	0	0	0
	White Mountain Apache Tribe	310†	167	135	*	0	10	0
	Yavapai-Apache Nation	10†	*	0	*	0	0	0
Yavapai-Prescott Indian Tribe	0†	*	0	0	0	0	0	
	TOTAL	2,340†	1,140†	260†	780†	0	150†	0†
Resided off reservation	---in Maricopa County	1,220†	842	111	266	0	*	0
	---in Pima County	310†	255	*	49	0	*	0
	---in Coconino County	336	202	17	110	0	7	0
	---elsewhere in Arizona	660†	411	93	100	*	57	0
		TOTAL	2,530†	1,710	220†	525	0†	70†

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 (2017 STATUS)**

		TOTAL BIRTHS	Length of gestation			
			<37 weeks	37-41 weeks	42+ weeks	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		4,870†	530†	4,310†	20†	10†
Resided on reservation	Ak-Chin Indian Community	10†	*	11	0	0
	Cocopah Tribe	10†	*	8	0	0
	Colorado River Indian Tribe	20†	*	20	0	*
	Fort McDowell Yavapai Nation Reservation	20†	*	22	0	0
	Fort Mohave Indian Tribe	0†	*	*	0	0
	Gila River Indian Community	205	18	185	0	*
	Havasupai Tribe	10†	*	7	*	0
	Hopi Tribe	78	8	70	0	0
	Hualapai Tribe	39	6	32	0	*
	Navajo Nation	1,150†	135	1,018	*	0
	Pascua Yaqui Tribe	10†	*	12	0	0
	Salt River Pima-Maricopa Indian Community	80†	13	66	*	*
	San Carlos Apache Tribe	253	35	217	0	*
	Tohono O'Odham Nation	117	10	107	0	0
	White Mountain Apache Tribe	313	36	276	0	*
	Yavapai-Apache Nation	10†	*	*	0	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0	0
		TOTAL	1,220†	270†	2,060†	0†
Resided off reservation	---in Maricopa County	1,221	131	1,080	9	*
	---in Pima County	310†	21	287	*	0
	---in Coconino County	336	39	297	0	0
	---elsewhere in Arizona	660†	67	589	*	*
		TOTAL	2,528	258	2,253	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.

4.17
WEIGHT AT BIRTH (2017 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		4,870†	20†	40†	310†	4,050†	430†	10†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	*	10	*	0
	Cocopah Tribe	10†	0	0	*	6	*	0
	Colorado River Indian Tribe	20†	0	*	0	20	*	0
	Fort McDowell Yavapai Nation Reservation	20†	0	0	*	21	*	0
	Fort Mohave Indian Tribe	0†	0	0	0	*	0	0
	Gila River Indian Community	210†	0	*	10	167	24	*
	Havasupai Tribe	10†	0	0	*	8	0	0
	Hopi Tribe	78	0	0	7	71	0	0
	Hualapai Tribe	40†	0	0	*	36	0	0
	Navajo Nation	1,150†	*	10	73	973	94	*
	Pascua Yaqui Tribe	10†	0	0	*	12	0	0
	Salt River Pima-Maricopa Indian Community	82	0	0	7	67	8	0
	San Carlos Apache Tribe	250†	*	*	14	212	21	0
	Tohono O'Odham Nation	120†	*	*	7	94	14	0
	White Mountain Apache Tribe	310†	*	*	30	257	21	0
	Yavapai-Apache Nation	10†	0	0	0	*	*	0
Yavapai-Prescott Indian Tribe	0†	0	0	0	*	0	0	
	TOTAL	2,340†	10†	20†	160†	1,960†	190†	0†
Resided off reservation	---in Maricopa County	1,221	6	9	68	1,006	132	0
	---in Pima County	310†	0	*	11	262	34	*
	---in Coconino County	340†	*	*	22	288	18	*
	---elsewhere in Arizona	660†	*	7	56	536	59	*
		TOTAL	2,528	10†	20†	157	2,092	243

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 (2017 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		4,870†	229	140†	90†	20†	110†	0†	10†
Resided on reservation	Ak-Chin Indian Community	13	0	0	0	0	0	0	0
	Cocopah Tribe	9	0	0	0	0	0	0	0
	Colorado River Indian Tribe	22	*	*	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	23	*	0	0	0	*	0	0
	Fort Mohave Indian Tribe	*	0	0	0	0	0	0	0
	Gila River Indian Community	205	13	6	*	*	8	0	*
	Havasupai Tribe	9	*	*	0	0	0	0	0
	Hopi Tribe	78	7	*	0	0	*	0	0
	Hualapai Tribe	39	*	0	0	0	*	0	0
	Navajo Nation	1,154	44	27	14	*	11	*	0
	Pascua Yaqui Tribe	13	*	*	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	82	7	*	*	*	*	0	*
	San Carlos Apache Tribe	253	15	10	6	*	6	*	*
	Tohono O'Odham Nation	117	*	*	*	*	0	0	0
	White Mountain Apache Tribe	313	29	20	16	*	17	0	0
	Yavapai-Apache Nation	*	0	0	0	0	0	0	0
	Yavapai-Prescott Indian Tribe	*	0	0	0	0	0	0	0
	TOTAL	1,220†	120†	80†	40†	10†	50†	0†	0†
Resided off reservation	---in Maricopa County	309	51	27	17	*	31	*	*
	---in Pima County	336	12	10	9	*	*	0	0
	---in Coconino County	662	11	7	*	*	*	0	0
	---elsewhere in Arizona	2,338	32	23	12	*	16	0	0
		TOTAL	2,528	106	67	40†	10†	60†	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 (2017 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	4,866	40	0	0†	0†	0	0†	0†	0†	10†	10†	0†	0	10†
Resided on reservation														
Ak-Chin Indian Community	13	0	0	0	0	0	0	0	0	0	0	0	0	0
Cocopah Tribe	9	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado River Indian Tribe	22	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort McDowell Yavapai Nation Reservation	23	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	205	*	0	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	78	*	0	0	0	0	0	0	0	0	0	0	0	*
Hualapai Tribe	39	0	0	0	0	0	0	0	0	0	0	0	0	0
Navajo Nation	1,154	9	0	*	0	0	0	*	*	*	*	0	0	*
Pascua Yaqui Tribe	13	0	0	0	0	0	0	0	0	0	0	0	0	0
Salt River Pima-Maricopa Indian Community	82	*	0	0	0	0	0	0	0	0	0	*	0	0
San Carlos Apache Tribe	253	*	0	0	0	0	0	*	*	0	0	0	0	0
Tohono O'Odham Nation	117	0	0	0	0	0	0	0	0	0	0	0	0	0
White Mountain Apache Tribe	313	6	0	0	0	0	0	*	0	*	*	0	0	*
Yavapai-Apache Nation	*	0	0	0	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	0	0
TOTAL	2,340†	20†	0	0†	0	0	0	0†	0†	10†	0†	0†	0	10†
Resided off reservation														
---in Maricopa County	1,221	9	0	0	*	0	0	*	0	*	*	*	0	*
---in Pima County	309	*	0	0	0	0	0	0	0	0	*	0	0	0
---in Coconino County	336	*	0	0	0	0	0	0	*	*	0	0	0	*
---elsewhere in Arizona	662	7	0	0	*	0	0	0	0	*	0	*	0	*
TOTAL	2,528	20†	0	0	0†	0	0	0†	0†	0†	0†	0†	0	10†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^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, 2017

	TOTAL STATE								Resided off reservation				
		Gila River Indian Community	Havasupai Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	White Mountain Apache Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Total, all causes	46	0†	0†	10†	0†	10†	0†	30†	10†	0†	0†	10†	20†
Certain conditions originating in the perinatal period	10†	*	*	*	0	*	0	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†
Short gestation and low birth weight	0†	0	0	*	0	*	0	0†	0	0	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	*	10†
of heart	0†	0	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	0†
Sudden infant death syndrome	0†	0	0	0	0	0	0	0	*	0	*	0	0†
Accidents (unintentional injury)	0†	0	0	*	0	0	0	0†	0	0	0	*	0†
Influenza and pneumonia	0†	0	0	0	*	0	0	0†	0	0	0	0	0
Diseases of the digestive system	0	0	0	0	0	0	0	0	0	0	0	0	0
Infectious and parasitic diseases	10†	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	0
Mechanical suffocation	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.

4.21

**COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2017**

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total births		4,866	750†	10†	600†	180†	110†	10†	50†	1,380†	70†	860†	440†	320†	0†	60†	40†
Mother's age group	<15	10†	*	0	*	*	0	0	0	*	0	*	*	0	0	0	0
	15-17	160†	25	0	25	*	6	0	0	34	*	36	14	16	0	0	*
	18-19	350†	50	0	45	19	*	0	*	85	*	70	34	27	0	*	*
	20-24	1,330†	173	*	140	55	37	*	14	398	24	245	123	99	0	14	8
	25-29	1,510†	223	*	179	56	39	*	14	435	22	257	133	100	*	23	15
	30-34	940†	163	*	140	23	13	0	8	260	10	160	96	44	0	11	7
	35-39	460†	92	0	57	10	11	0	8	137	*	71	31	31	*	*	*
	40-44	110†	25	0	14	6	*	0	*	31	0	16	7	*	0	0	*
	45+	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	
Payee for births	AHCCCS	3,310†	618	*	465	88	33	*	34	922	49	730	188	115	0	44	18
	IHS	810†	66	*	38	75	66	*	12	167	9	41	162	155	*	*	14
	Private insurance	630†	37	*	90	10	11	*	*	261	*	73	81	42	*	10	*
	Self-pay	100†	30	*	7	*	*	*	*	23	*	10	7	9	0	*	*
	Unknown	20†	*	0	*	*	0	0	0	8	0	*	*	*	0	0	0
Mother's education	8th Grade or Less	80†	*	0	6	*	*	0	0	26	*	8	12	18	0	0	0
	Some High School	1,190†	134	*	120	51	29	*	12	318	21	217	141	126	0	12	11
	High School / GED	1,660†	240	*	214	77	52	*	23	427	27	309	148	102	*	23	16
	Some College	1,300†	247	*	172	27	23	*	11	395	13	233	97	55	0	15	7
	Associate Degree	360†	82	*	49	8	*	0	*	109	*	55	26	11	0	*	*
	Bachelor's Degree	170†	30	0	30	*	*	0	*	70	0	22	7	7	*	*	0
	Postgraduate Education	80†	16	0	8	0	0	0	*	32	*	9	7	0	0	*	0
	Unknown	20†	*	0	*	*	*	0	*	*	0	*	*	*	0	0	0
Marital status	Married	1,010†	158	*	128	37	18	*	*	292	13	188	69	62	*	20	13
	Unmarried^a	3,790†	589	6	463	132	93	*	44	1,068	54	659	364	255	*	36	23
	Unknown	70†	6	*	11	6	*	0	*	21	0	9	6	*	0	*	0
Weight gain	None	1,140†	218	0	163	41	26	*	10	296	16	202	100	48	0	12	9
	1-15 pounds	1,410†	241	*	175	38	35	*	8	394	19	260	118	86	*	15	10
	31+ pounds	2,270†	284	6	254	94	50	*	30	678	31	384	218	188	0	30	17
	Unknown	50†	10	*	10	*	*	0	*	13	*	10	*	0	0	0	0
Substance use	Non Smoker	4,500†	585	6	588	165	103	*	47	1,333	60	794	416	306	*	53	36
	Light Smoker	140†	11	*	7	8	6	0	*	34	*	36	15	10	0	*	0
	Heavy Smoker	30†	*	0	0	0	*	0	0	7	*	*	7	6	0	*	0
	Unknown	200†	156	*	7	*	*	0	*	7	*	23	*	0	0	0	0
Length of gestation	<37 weeks	530†	79	0	72	24	15	0	6	152	11	101	32	29	0	*	*
	37-41 weeks	4,310†	674	9	529	151	96	*	43	1,215	55	748	406	291	*	52	34
	42+ weeks	20†	0	0	*	0	0	0	0	11	0	*	*	0	0	0	0
	Unknown	10†	0	0	0	0	*	0	*	*	*	*	0	*	0	0	0

4.21

**COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2017**

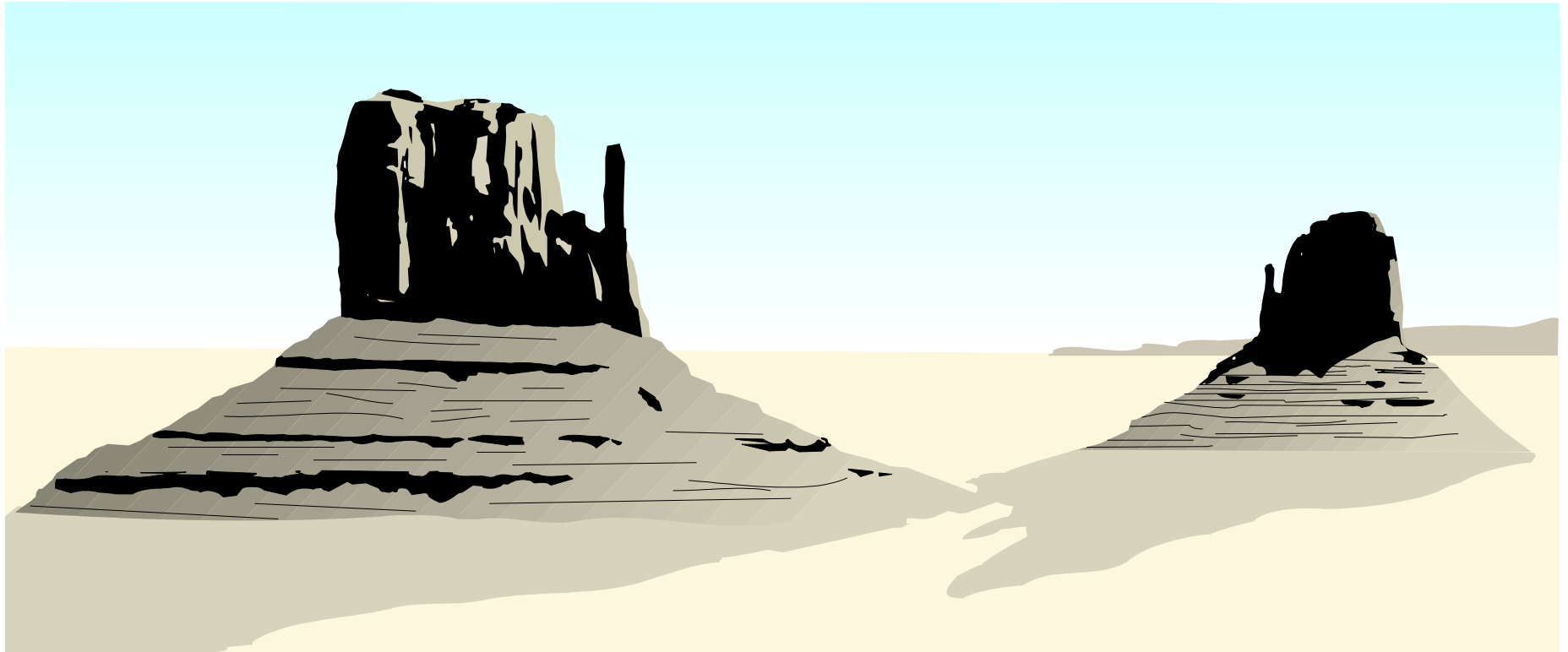
	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	
Weight at birth	<1,000 grams	20†	*	0	*	*	0	0	6	0	*	*	0	0	*	0	
	1,000-1,499	40†	*	0	*	*	0	*	11	*	11	*	*	0	*	0	
	1,500-2,499	310†	52	0	39	12	*	0	81	6	78	19	17	0	*	*	
	2,500-3,999	4,050†	638	7	517	147	94	*	45	1,134	57	704	368	265	*	42	28
	4000+	430†	56	*	37	10	13	0	*	149	*	59	48	37	0	8	6
	Unknown	10†	*	0	*	0	0	0	0	0	0	0	*	*	0	0	0
Prenatal care	No care	200†	16	*	22	10	15	0	*	54	*	18	45	11	0	*	0
	1st trimester	2,890†	525	*	378	77	35	*	14	833	24	532	231	173	*	37	24
	2nd trimester	1,180†	131	0	144	50	33	*	10	320	28	222	124	92	0	15	9
	3rd trimester	410†	59	*	42	28	26	*	*	97	8	64	36	33	0	*	*
	Unknown	190†	22	*	16	10	*	0	19	77	*	20	*	13	0	0	0
Prenatal visits	No visits	200†	16	*	22	10	15	0	*	54	*	18	45	11	0	*	0
	1-4 visits	560†	73	*	55	36	36	*	7	128	12	93	73	35	0	*	*
	5-8 visits	1,180†	142	*	136	62	29	*	14	329	19	239	120	63	*	7	10
	9-12 visits	1,890†	333	*	232	42	26	*	14	557	20	342	123	160	0	25	16
	13+ visits	970†	181	*	149	20	6	0	11	281	11	157	77	49	0	19	7
	Unknown	70†	8	*	8	*	0	0	*	32	*	7	*	*	0	0	0
	Newborn intensive care	Yes	310†	38	0	19	13	7	0	*	95	7	71	25	32	0	*
	No	4,550†	715	9	583	162	105	*	48	1,286	60	785	414	290	*	55	33
Method of delivery	Vaginal	3,610†	615	7	480	120	81	*	34	974	39	633	334	230	*	40	19
	C-Section	1,190†	136	*	118	46	24	*	16	391	26	204	98	90	0	16	16
	Forceps	10†	*	0	0	*	*	0	0	*	0	0	*	0	0	*	0
	Vacuum	60†	0	0	*	6	*	0	0	14	*	19	*	*	0	0	*
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obstetric procedures^b	Total	2,260†	311	*	282	82	51	*	8	600	31	440	289	119	*	27	13
	Induction of labor	1,350†	211	*	190	44	24	*	7	352	19	239	140	86	*	17	11
	Augmentation of labor	1,150†	121	*	128	47	30	*	*	336	15	232	164	51	*	15	9
	Cervical cerclage	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
	Tocolysis	40†	6	0	*	*	0	0	0	*	0	14	6	0	0	0	0
	External cephalic version successful	10†	*	0	*	0	0	0	0	*	0	*	*	0	0	0	0
	External cephalic version failed	20†	*	0	*	*	0	0	0	*	0	*	0	0	0	0	0
Births with medical risk factors^b	Total	1,840†	302	*	228	57	37	*	10	501	14	366	177	115	*	8	22
	Pre-existing diabetes	150†	31	0	19	*	*	0	*	37	*	18	15	15	0	*	*
	Gestational diabetes	720†	81	*	100	12	9	*	*	250	*	145	57	55	*	*	*
	Pre-existing hypertension	80†	12	0	17	*	0	0	*	20	*	10	14	*	*	*	0
	Gestational hypertension	550†	89	*	72	20	11	0	*	142	*	103	56	36	0	*	8
	Eclampsia	10†	0	0	*	0	0	0	0	*	*	*	0	*	0	0	0
	Previous preterm birth	260†	36	*	22	*	8	0	*	62	*	59	43	14	0	*	7
	Other previous poor pregnancy outcome	130†	51	0	14	*	*	0	0	25	*	17	10	*	0	*	*
	Gonorrhea	50†	15	0	11	*	0	0	*	8	0	9	*	*	0	0	0
	Syphilis	20†	*	0	*	*	*	0	0	*	0	0	*	0	0	0	0
	Chlamydia	400†	77	*	48	19	14	0	*	76	*	99	39	14	0	*	*
	Hepatitis B	10†	0	0	0	*	0	0	0	*	0	0	*	0	0	0	0
	Hepatitis C	20†	*	0	*	0	0	0	0	*	0	*	*	*	0	*	0

4.21

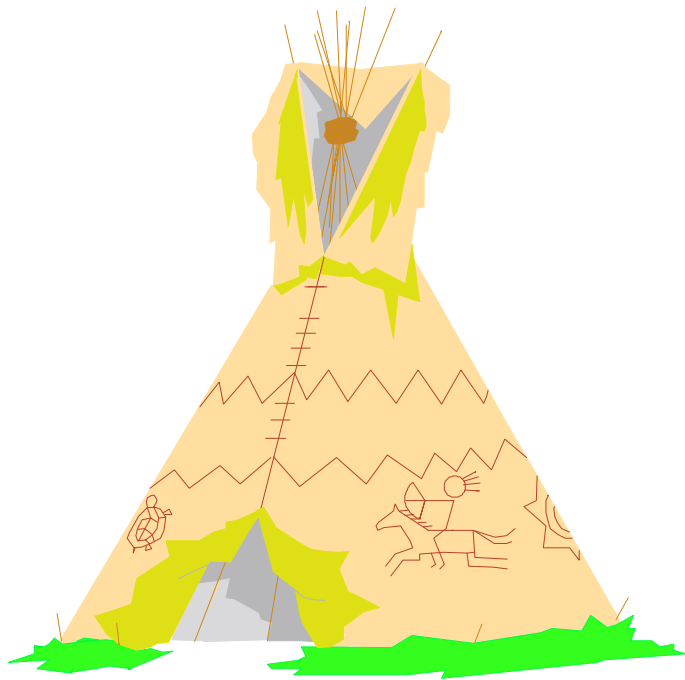
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY COUNTY OF RESIDENCE, ARIZONA, 2017

	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	1,500†	256	0	166	58	40	*	*	445	8	223	171	103	*	14	11	
	Premature rupture of the membranes	320†	71	0	37	6	*	0	0	108	*	32	38	18	0	*	*	*
	Precipitous labor	280†	75	0	20	15	10	0	0	53	0	42	47	12	*	*	*	
	Prolonged labor	180†	28	0	23	8	*	0	0	56	*	35	18	7	0	*	0	
	Breech presentation	190†	36	0	30	6	7	0	0	57	*	33	11	6	0	*	0	
	Chorioamnionitis	120†	*	0	12	*	*	*	0	48	0	11	33	8	0	0	0	
	Meconium staining of the amniotic fluid	370†	46	0	28	11	17	*	*	109	*	67	34	44	0	*	7	
	Fetal intolerance	310†	31	0	52	21	*	0	*	121	*	31	19	21	0	6	*	
	Maternal transfusion	90†	26	0	*	*	*	0	*	19	0	14	10	*	0	0	*	
	Third or fourth degree perineal laceration	20†	*	0	6	0	*	0	0	7	0	*	*	*	0	0	0	
	Ruptured uterus	0†	0	0	0	0	0	0	0	*	0	*	0	0	0	*	0	
	Unplanned Hysterectomy	10†	*	0	0	0	0	0	0	*	0	*	*	0	0	0	0	
	Admission to intensive care unit	20†	*	0	*	*	*	0	0	*	0	*	0	*	0	0	0	
Unplanned surgery following delivery	30†	9	0	*	*	0	0	0	10	0	12	0	0	0	0	0		
Abnormal conditions of the newborn^b	Total	230†	36	0	14	12	*	0	*	60	6	59	15	20	0	*	0	
	Assisted ventilation immediately after delivery	140†	20	0	9	9	*	0	*	30	*	41	13	11	0	*	0	
	Assisted ventilation for more than 6 hours	90†	14	0	*	*	*	0	0	18	*	21	10	7	0	*	0	
	Surfactant replacement therapy	20†	*	0	*	*	*	0	0	6	*	*	*	*	0	0	0	
	Suspected neonatal sepsis	110†	11	0	6	*	*	0	0	35	*	27	*	12	0	0	0	
	Seizure or serious neurologic dysfunction	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	0		
Congenital anomalies of the newborn^b	Total	40†	6	0	6	*	*	0	0	10	*	10	*	*	0	0	0	
	Anencephalus	0	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	
	Cyanotic congenital heart disease	0†	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	
	Limb reduction defect	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	
	Down syndrome	10†	*	0	0	0	0	0	0	*	0	*	*	0	0	0	0	
	Suspected chromosomal disorder	0†	0	0	0	*	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	10†	*	0	*	0	0	0	0	*	*	*	0	*	0	0	0		
Infant mortality^c	Total	50†	10†	0	0†	10†	0	0	0†	10†	0†	10†	0†	0†	0	0†	0	
	Neonatal	20†	*	0	*	*	0	0	*	*	*	0	*	*	0	0	0	
	Postneonatal	30†	*	0	*	*	0	0	7	*	6	*	*	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 2017**



AGE-SPECIFIC MORTALITY

5.1
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIANS IN 2017

		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		2,360†	50†	10†	20†	90†	210†	250†	320†	350†	390†	370†	300†
Resided on reservation	Ak-Chin Indian Community	0†	0	0	0	0	0	0	0	*	*	0	0
	Cocopah Tribe	10†	0	0	0	*	*	*	0	*	*	*	0
	Colorado River Indian Tribe	20†	0	0	0	0	*	0	*	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	*	*	*	*	*	*	*	0
	Gila River Indian Community	130†	*	*	0	7	14	13	22	15	25	18	7
	Havasupai Tribe	0†	0	0	0	*	*	*	*	0	0	0	0
	Hopi Tribe	90†	0	0	*	*	*	13	*	14	15	12	21
	Hualapai Tribe	20†	*	0	0	*	*	*	*	*	0	*	*
	Navajo Nation	790†	10	*	*	33	58	74	81	103	127	148	148
	Pascua Yaqui Tribe	0†	0	0	0	0	*	0	0	*	*	0	0
	Salt River Pima-Maricopa Indian Community	70†	*	*	*	*	11	8	15	9	12	7	*
	San Carlos Apache Tribe	120†	*	*	*	*	7	15	14	25	20	20	7
	Tohono O'Odham Nation	90†	0	*	*	*	7	14	19	10	19	11	7
	White Mountain Apache Tribe	130†	*	*	*	*	26	16	18	21	14	16	10
	Yavapai-Apache Nation	0†	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	1,480†	30†	10†	10†	60†	130†	160†	190†	210†	240†	240†	210†	
Resided off reservation	---in Maricopa County	360†	9	*	*	15	28	46	60	66	50	52	30
	---in Pima County	140†	*	*	0	*	14	13	19	22	27	24	12
	---in Coconino County	80†	*	*	0	*	12	11	13	*	11	9	9
	---elsewhere in Arizona	300†	9	*	0	*	21	21	41	52	58	47	43
	TOTAL	880†	20†	0†	10†	30†	75	91	133	150†	146	132	94

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.

5.2
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN MALES IN 2017

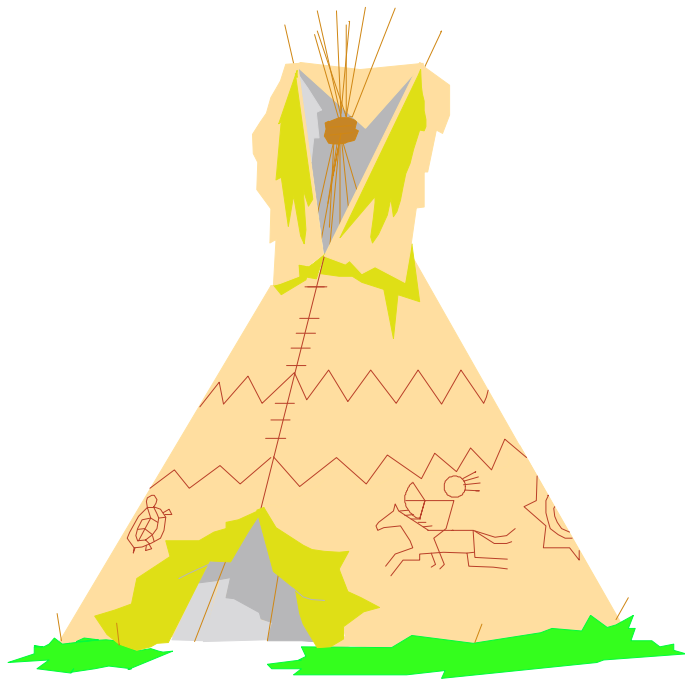
		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		1,330†	20†	10†	10†	60†	150†	160†	210†	210†	220†	190†	100†
Resided on reservation	Ak-Chin Indian Community	0†	0	0	0	0	0	0	0	*	0	0	0
	Cocopah Tribe	0†	0	0	0	*	*	*	0	0	0	*	0
	Colorado River Indian Tribe	10†	0	0	0	0	*	0	*	*	*	*	0
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	*	0	*	*	*	*	0	0
	Gila River Indian Community	70†	*	0	0	*	12	10	16	*	11	10	*
	Havasupai Tribe	0†	0	0	0	0	0	*	0	0	0	0	0
	Hopi Tribe	50†	0	0	0	*	*	8	*	11	12	7	*
	Hualapai Tribe	10†	*	0	0	*	*	*	*	*	0	*	*
	Navajo Nation	460†	6	*	*	24	47	50	58	63	73	74	56
	Pascua Yaqui Tribe	0†	0	0	0	0	0	0	0	*	0	0	0
	Salt River Pima-Maricopa Indian Community	30†	*	0	0	*	9	*	7	*	*	*	0
	San Carlos Apache Tribe	70†	*	0	*	*	6	8	10	14	11	11	*
	Tohono O'Odham Nation	50†	0	0	*	*	*	9	10	*	10	*	*
	White Mountain Apache Tribe	70†	*	*	*	*	16	9	11	13	7	*	*
	Yavapai-Apache Nation	0†	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	0	
	TOTAL	840†	10†	0†	10†	40†	100†	110†	120†	120†	130†	120†	70†
Resided off reservation	---in Maricopa County	200†	*	*	0	12	19	22	36	40	29	27	14
	---in Pima County	90†	0	0	0	*	10	8	15	18	17	14	*
	---in Coconino County	40†	*	*	0	0	9	*	7	*	8	6	*
	---elsewhere in Arizona	160†	*	0	0	*	13	16	28	29	33	25	12
		TOTAL	500†	10†	0†	0	20†	51	50†	86	90†	87	72

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 2017

		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		1,020†	20†	10†	10†	20†	60†	100†	110†	140†	170†	180†	200†
Resided on reservation	Ak-Chin Indian Community	0†	0	0	0	0	0	0	0	0	*	0	0
	Cocopah Tribe	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
	Gila River Indian Community	50†	*	*	0	*	*	*	6	10	14	8	*
	Havasupai Tribe	0†	0	0	0	*	*	0	*	0	0	0	0
	Hopi Tribe	40†	0	0	*	*	*	*	*	*	*	*	16
	Hualapai Tribe	10†	0	0	0	*	0	0	*	*	0	*	*
	Navajo Nation	340†	*	*	*	9	11	24	23	40	54	74	92
	Pascua Yaqui Tribe	0†	0	0	0	0	*	0	0	0	*	0	0
	Salt River Pima-Maricopa Indian Community	40†	*	*	*	*	*	*	8	7	8	*	*
	San Carlos Apache Tribe	50†	*	*	0	0	*	7	*	11	9	9	*
	Tohono O'Odham Nation	40†	0	*	0	0	*	*	9	7	9	7	*
	White Mountain Apache Tribe	60†	*	0	0	0	10	7	7	8	7	12	9
	Yavapai-Apache Nation	0	0	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	640†	10†	10†	10†	20†	30†	60†	60†	90†	110†	120†	130†
Resided off reservation	---in Maricopa County	160†	*	0	*	*	9	24	24	26	21	25	16
	---in Pima County	50†	*	*	0	*	*	*	*	*	10	10	11
	---in Coconino County	30†	*	0	0	*	*	6	6	*	*	*	7
	---elsewhere in Arizona	130†	*	*	0	*	8	*	13	23	25	22	31
		TOTAL	380†	10†	0†	10†	10†	20†	40†	50†	50†	60†	60†

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, 2017

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Total, all causes	2,355	1,334	1,021
Salmonella infections	0	0	0
Shigellosis and amebiasis	0	0	0
Certain other intestinal infections	10†	*	*
Enterocolitis due to Clostridium difficile	10†	*	*
Tuberculosis	0†	0	*
Respiratory tuberculosis	0†	0	*
Other tuberculosis	0	0	0
Whooping cough	0†	*	0
Scarlet fever and erysipelas	0	0	0
Meningococcal infection	0	0	0
Septicemia	32	13	19
Syphilis	0	0	0
Acute poliomyelitis	0	0	0
Arthropod-borne encephalitis	0	0	0
Measles	0	0	0
Viral hepatitis	10†	*	*
Human immunodeficiency virus (HIV) disease	0†	*	0
Malaria	0	0	0
Other and unspecified infectious and parasitic diseases	19	9	10
Malignant neoplasms	266	115	151
Malignant neoplasm of lip, oral cavity and pharynx	0†	*	0
Malignant neoplasm of esophagus	10†	7	*
Malignant neoplasm of stomach	10†	7	*
Malignant neoplasm of colon, rectum and anus	27	16	11
Malignant neoplasm of liver and intrahepatic bile ducts	25	14	11
Malignant neoplasm of pancreas	20†	*	13
Malignant neoplasm of larynx	0	0	0
Malignant neoplasm of trachea, bronchus and lung	20†	*	15
Malignant melanoma of skin	0†	*	*
Malignant neoplasm of breast	17	0	17
Malignant neoplasm of cervix uteri	0†	0	*
Malignant neoplasm of corpus uteri and uterus, part unspecified	12	0	12
Malignant neoplasm of ovary	15	0	15
Malignant neoplasm of prostate	15	15	0
Malignant neoplasm of kidney and renal pelvis	20	12	8
Malignant neoplasm of bladder	0†	*	0

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	10†	*	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	25	14	11
Hodgkin's disease	0	0	0
Non-Hodgkin's lymphoma	10†	*	*
Leukemia	10†	*	7
Multiple myeloma and immunoproliferative neoplasms	10†	6	*
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0
All other and unspecified malignant neoplasm	37	14	23
In situ neoplasms	10†	*	*
Anemias	0	0	0
Diabetes	188	106	82
Nutritional deficiencies	10†	*	*
Malnutrition	10†	*	*
Other nutritional deficiencies	0†	*	*
Obesity	20†	14	*
Meningitis	0†	*	0
Parkinson's disease	18	11	7
Alzheimer's disease	23	6	17
Major cardiovascular diseases	434	242	192
Diseases of heart	322	195	127
Acute rheumatic fever and chronic rheumatic heart disease	10†	*	*
Hypertensive heart disease	20	11	9
Hypertensive heart and renal disease	0†	*	0
Ischemic heart disease	206	127	79
Acute myocardial infarction	50	27	23
Other acute ischemic heart disease	0	0	0
Other forms of chronic ischemic heart disease	156	100	56
Atherosclerotic cardiovascular disease	52	39	13
All other forms of chronic ischemic heart disease	104	61	43
Other heart diseases	86	52	34
Acute and subacute endocarditis	0†	*	*
Diseases of pericardium and acute myocarditis	0†	0	*
Heart failure	17	10	7
All other forms of heart disease	65	41	24
Essential (primary) hypertension and hypertensive renal disease	33	15	18
Cerebrovascular diseases	65	29	36

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Atherosclerosis	0	0	0
Other diseases of circulatory system	10†	*	11
Aortic aneurysm and dissection	0†	*	*
Other disease of arteries, arterioles and capillaries	10†	*	9
Other disorders of circulatory system	0†	*	*
Influenza and pneumonia	55	28	27
Influenza	10†	*	*
Pneumonia	49	26	23
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	45	21	24
Bronchitis, chronic and unspecified	0	0	0
Emphysema	0†	*	*
Asthma	0†	0	*
Other chronic lower respiratory diseases	39	19	20
Pneumoconioses and chemical effects	0†	*	0
Pneumonitis due to solids and liquids	19	9	10
Other disease of respiratory system	35	10	25
Peptic ulcer	0†	*	*
Diseases of appendix	0	0	0
Hernia	0†	*	*
Chronic liver disease and cirrhosis	195	105	90
Alcoholic liver disease	163	88	75
Other chronic liver disease and cirrhosis	32	17	15
Cholelithiasis and other disorders of gallbladder	0†	*	*
Nephritis, nephrotic syndrome and nephrosis	41	20	21
Acute and rapidly progressive nephritic and nephrotic syndrome	0†	0	*
Chronic glomerulonephritis	0†	*	*
Renal failure	38	19	19
Others disorders of kidney	0	0	0
Infections of kidney	0†	*	0
Hyperplasia of prostate	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0
Pregnancy, childbirth and the puerperium	0†	0	*

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	0†	0	*
Perinatal conditions	10†	6	*
Congenital anomalies, deformations and chromosomal abnormalities	14	8	6
Symptoms, signs, abnormal findings	87	58	29
Total accidents	378	258	120
Transport accidents	158	102	56
Motor vehicle accidents	151	96	55
Other land transport accidents	0†	*	0
Water, air, space	0†	*	*
Nontransport accidents	220	156	64
Falls	39	27	12
Accidental discharge of firearms	0†	*	0
Accidental drowning and submersion	10†	*	6
Accidental exposure to smoke, fire and flames	10†	6	*
Accidental poisoning	105	77	28
Excessive natural heat	10†	8	*
Excessive natural cold	10†	10	*
Other and unspecified nontransport accidents	54	38	16
Intentional self-harm (suicide)	78	58	20
By discharge of firearms	20†	18	*
By other means	57	40	17
Assault (homicide)	53	45	8
By discharge of firearms	20†	22	*
By other means	29	23	6
Legal intervention	0†	*	0
Events of undetermined intent	20†	14	*
Discharge of firearms	0†	*	0
Other and unspecified events of undetermined intent	20†	12	*
Operations of war	0	0	0
Complications of medical and surgical care	10†	6	*
INJURY BY FIREARMS	50†	46	*
DRUG-INDUCED DEATHS	69	50	19
OPIOID-INDUCED DEATHS	33	24	9
ALCOHOL-INDUCED DEATHS	271	171	100

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

5.5
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	2,355	46	12	15	88	208	251	319	354	387	373	302
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	10†	*	0	0	0	0	0	*	*	*	*	*
Enterocolitis due to Clostridium difficile	10†	0	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
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	30†	0	0	0	0	*	*	7	*	6	*	8
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	10†	0	0	0	0	0	0	*	*	*	0	0
Human immunodeficiency virus (HIV) disease	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	20†	*	*	0	*	0	*	*	6	*	*	*
Malignant neoplasms	270†	0	0	*	*	*	11	27	58	67	57	36
Malignant neoplasm of lip, oral cavity and pharynx	0†	0	0	*	0	0	0	0	0	0	0	0
Malignant neoplasm of esophagus	10†	0	0	0	0	*	0	0	*	*	*	*
Malignant neoplasm of stomach	10†	0	0	0	0	*	*	*	*	*	*	*
Malignant neoplasm of colon, rectum and anus	30†	0	0	0	0	*	*	*	7	7	*	*
Malignant neoplasm of liver and intrahepatic bile ducts	30†	0	0	0	0	0	0	*	7	8	*	*
Malignant neoplasm of pancreas	20†	0	0	0	0	0	0	*	*	7	*	*
Malignant neoplasm of larynx	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	20†	0	0	0	0	0	0	*	6	*	*	*
Malignant melanoma of skin	0†	0	0	0	0	0	*	0	0	*	*	0
Malignant neoplasm of breast	20†	0	0	0	0	*	0	*	*	*	*	*
Malignant neoplasm of cervix uteri	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	*	*	*
Malignant neoplasm of ovary	20†	0	0	0	0	0	*	*	*	6	*	*
Malignant neoplasm of prostate	20†	0	0	0	0	0	0	*	*	*	7	*

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	*	*	*	*	6	*
Malignant neoplasm of bladder	0†	0	0	0	0	0	0	0	0	0	*	0
Malignant neoplasm of meninges, brain and other parts of central nervous system	10†	0	0	0	0	0	*	0	*	*	*	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	30†	0	0	0	*	*	0	*	8	*	*	6
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	*	*	0	*
Leukemia	10†	0	0	0	*	*	0	*	*	0	*	*
Multiple myeloma and immunoproliferative neoplasms	10†	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	0	*	0	*	*	8	9	7	*
In situ neoplasms	10†	0	0	0	0	0	*	0	*	*	*	*
Anemias	0	0	0	0	0	0	0	0	0	0	0	0
Diabetes	190†	0	0	*	*	*	13	24	34	61	39	13
Nutritional deficiencies	10†	0	0	0	0	0	*	0	*	*	*	*
Malnutrition	10†	0	0	0	0	0	0	0	*	*	*	*
Other nutritional deficiencies	0†	0	0	0	0	0	*	0	0	0	0	*
Obesity	20†	0	0	0	0	*	*	6	0	*	0	0
Meningitis	0†	0	0	0	0	*	0	0	0	*	*	0
Parkinson's disease	20†	0	0	0	0	0	0	0	*	0	11	6
Alzheimer's disease	20†	0	0	0	0	0	0	0	*	*	8	12
Major cardiovascular diseases	430†	*	*	0	*	12	16	45	61	88	113	94
Diseases of heart	320†	*	*	0	0	10	14	35	46	64	82	68
Acute rheumatic fever and chronic rheumatic heart disease	10†	0	*	0	0	0	0	*	*	*	*	0
Hypertensive heart disease	20†	0	0	0	0	0	*	*	*	*	*	*
Hypertensive heart and renal disease	0†	0	0	0	0	0	0	0	*	*	*	0
Ischemic heart disease	210†	0	0	0	0	*	*	19	25	44	62	50
Acute myocardial infarction	50†	0	0	0	0	*	0	*	*	14	16	11
Other acute ischemic heart disease	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of chronic ischemic heart disease	160†	0	0	0	0	0	*	16	20	30	46	39
Atherosclerotic cardiovascular disease	50†	0	0	0	0	0	*	9	8	9	17	7
All other forms of chronic ischemic heart disease	100†	0	0	0	0	0	*	7	12	21	29	32
Other heart diseases	90†	*	0	0	0	9	6	10	15	14	17	13
Acute and subacute endocarditis	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
Heart failure	20†	0	0	0	0	0	0	0	*	*	6	*
All other forms of heart disease	70†	*	0	0	0	9	*	8	12	9	11	9

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	30†	0	0	0	0	*	0	*	9	6	7	8
Cerebrovascular diseases	70†	0	*	0	*	*	*	7	*	15	21	14
Atherosclerosis	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of circulatory system	10†	0	0	0	0	0	*	*	*	*	*	*
Aortic aneurysm and dissection	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	0†	0	0	0	0	0	*	0	*	0	0	0
Influenza and pneumonia	60†	*	0	0	0	*	*	*	11	9	8	17
Influenza	10†	0	0	0	0	*	*	*	0	0	*	*
Pneumonia	50†	*	0	0	0	*	*	*	11	9	7	15
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	*	*	*	*	7	15	15
Bronchitis, chronic and unspecified	0	0	0	0	0	0	0	0	0	0	0	0
Emphysema	0†	0	0	0	0	0	0	0	0	*	*	*
Asthma	0†	0	0	0	0	*	*	0	0	0	0	0
Other chronic lower respiratory diseases	40†	0	0	0	0	0	0	*	*	6	13	14
Pneumoconioses and chemical effects	0†	0	0	0	0	0	0	0	0	0	0	*
Pneumonitis due to solids and liquids	20†	0	0	0	0	0	*	*	*	*	6	*
Other disease of respiratory system	40†	0	*	0	0	*	0	0	*	*	7	15
Peptic ulcer	0†	0	0	0	0	0	*	*	0	0	*	0
Diseases of appendix	0	0	0	0	0	0	0	0	0	0	0	0
Hernia	0†	0	*	0	0	0	*	0	0	0	0	0
Chronic liver disease and cirrhosis	200†	0	0	0	0	22	40	62	44	23	*	*
Alcoholic liver disease	163	0	0	0	0	21	40	51	36	15	0	0
Other chronic liver disease and cirrhosis	30†	0	0	0	0	*	0	11	8	8	*	*
Cholelithiasis and other disorders of gallbladder	0†	0	0	0	0	0	*	*	0	0	0	*
Nephritis, nephrotic syndrome and nephrosis	40†	*	0	0	0	0	*	6	7	8	12	*
Acute and rapidly progressive nephritic and nephrotic syndrome	0†	*	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0†	0	0	0	0	0	0	*	0	0	0	*
Renal failure	40†	0	0	0	0	0	*	*	7	8	12	*
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, 2017

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	0	0
Pregnancy, childbirth and the puerperium	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
Other complications of pregnancy, childbirth and the puerperium	0†	0	0	0	0	*	*	0	0	0	0	0
Perinatal conditions	11	11	0	0	0	0	0	0	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	10†	9	0	*	*	*	*	0	0	0	0	0
Symptoms, signs, abnormal findings	90†	9	0	0	*	12	10	9	13	10	10	10
Total accidents	380†	*	*	6	37	70	73	67	53	31	22	11
Transport accidents	160†	0	*	*	25	36	34	24	17	10	*	*
Motor vehicle accidents	150†	0	*	*	24	35	31	23	16	10	*	*
Other land transport accidents	0†	0	0	0	*	*	*	0	0	0	0	0
Water, air, space	0†	0	0	0	0	0	*	*	*	0	0	0
Nontransport accidents	220†	*	*	*	12	34	39	43	36	21	19	8
Falls	40†	0	0	0	*	*	*	*	8	12	7	6
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
Accidental exposure to smoke, fire and flames	10†	0	0	0	0	0	*	*	*	*	*	0
Accidental poisoning	110†	0	*	*	7	19	28	32	12	*	*	0
Excessive natural heat	10†	0	0	0	0	*	*	*	*	0	*	0
Excessive natural cold	10†	0	0	0	*	*	*	*	*	*	*	*
Other and unspecified nontransport accidents	50†	*	*	0	*	8	6	8	11	*	8	*
Intentional self-harm (suicide)	80†	0	0	*	23	26	19	7	*	0	0	0
By discharge of firearms	20†	0	0	0	8	*	8	0	*	0	0	0
By other means	60†	0	0	*	15	22	11	7	*	0	0	0
Assault (homicide)	50†	*	*	*	7	21	12	*	*	*	0	0
By discharge of firearms	20†	0	0	0	*	11	6	*	*	0	0	0
By other means	30†	*	*	*	*	10	6	*	*	*	0	0
Legal intervention	0†	0	0	0	*	0	0	0	0	0	0	0
Events of undetermined intent	20†	0	0	0	*	*	*	*	*	*	0	0
Discharge of firearms	0†	0	0	0	*	0	0	0	0	0	0	0
Other and unspecified events of undetermined intent	20†	0	0	0	*	*	*	*	*	*	0	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	*	*	*	*	*	*
INJURY BY FIREARMS	50†	0	0	0	15	18	14	*	*	0	0	0
DRUG-INDUCED DEATHS	70†	0	*	0	7	19	21	16	*	*	0	0
OPIOID-INDUCED DEATHS	30†	0	0	0	*	12	10	*	*	0	0	0
ALCOHOL-INDUCED DEATHS	270†	0	0	*	*	31	69	85	55	23	6	0

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

5.6

DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	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	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Total, all causes	2,355	2	8	19	13	125	4	87	16	790	3	71	119	91	130	1	1	1,480†	362	138	77	298	875
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
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
Certain other intestinal infections	10†	0	0	0	0	0	0	*	0	*	0	0	0	*	*	0	0	10†	0	0	0	*	0†
Enterocolitis due to Clostridium difficile	10†	0	0	0	0	0	0	*	0	*	0	0	0	*	*	0	0	10†	0	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†
Respiratory tuberculosis	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
Whooping cough	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
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
Septicemia	30†	0	*	0	*	*	0	*	0	15	0	0	*	*	*	0	0	30†	*	*	0	*	0†
Syphilis	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
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
Measles	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	10†	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0†	*	*	0	*	10†
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†
Malaria	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	19	0	0	0	0	0	0	0	0	*	0	0	*	0	*	0	0	10†	*	*	*	0	10†
Malignant neoplasms	266	0	0	*	0	15	0	7	0	83	*	12	9	*	11	0	0	150†	50	19	6	44	119
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	10†	*	0	0	0	0†
Malignant neoplasm of stomach	10†	0	0	0	0	*	0	0	0	7	0	0	*	0	0	0	0	10†	0	0	*	*	0†
Malignant neoplasm of colon, rectum and anus	27	0	0	*	0	*	0	*	0	8	*	0	0	0	*	0	0	10†	6	*	0	6	10†
Malignant neoplasm of liver and intrahepatic bile ducts	25	0	0	*	0	*	0	0	0	*	0	*	0	*	0	0	0	10†	7	*	*	*	10†
Malignant neoplasm of pancreas	18	0	0	0	0	0	0	*	0	6	0	0	0	0	0	0	0	10†	*	*	*	*	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
Malignant neoplasm of trachea, bronchus and lung	19	0	0	0	0	*	0	*	0	*	0	0	0	0	*	0	0	10†	*	*	0	*	10†
Malignant melanoma of skin	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	*	0	0	0†	0	0	0	*	0†
Malignant neoplasm of breast	17	0	0	*	0	*	0	0	0	*	0	*	0	*	*	0	0	10†	*	*	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†
Malignant neoplasm of corpus uteri and uterus, part unspecified	10†	0	0	0	0	0	0	0	0	*	0	*	0	0	*	0	0	10†	*	0	0	*	0†
Malignant neoplasm of ovary	15	0	0	0	0	0	0	0	0	*	0	*	*	0	0	0	0	10†	*	0	*	*	10†
Malignant neoplasm of prostate	20†	0	0	0	0	0	0	*	0	7	0	0	*	0	*	0	0	10†	0	0	0	*	0†
Malignant neoplasm of kidney and renal pelvis	20	0	0	0	0	*	0	0	0	7	0	*	0	*	0	0	0	10†	*	0	0	*	10†

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	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 central nervous system	10†	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	25	0	0	0	0	*	0	*	0	7	0	*	*	0	*	0	0	10†	*	*	*	*	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
Non-Hodgkin's lymphoma	10†	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0†	*	*	*	*	0†
Leukemia	10†	0	0	0	0	*	0	0	0	*	0	*	0	0	0	0	0	10†	*	*	0	*	0†
Multiple myeloma and immunoproliferative neoplasms	10†	0	0	0	0	0	0	*	0	*	0	0	0	0	*	0	0	0†	*	*	0	*	10†
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
All other and unspecified malignant neoplasm	37	0	0	*	0	*	0	*	0	13	0	*	*	*	*	0	0	30†	*	6	*	*	10†
In situ neoplasms	10†	0	0	0	0	*	0	*	0	*	0	0	0	0	*	0	0	10†	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	188	*	*	*	0	21	*	6	*	55	0	*	14	14	6	0	0	130†	23	19	*	15	60†
Nutritional deficiencies	10†	0	*	0	0	0	0	0	0	*	0	0	*	0	0	0	0	10†	0	0	0	*	0†
Malnutrition	10†	0	*	0	0	0	0	0	0	*	0	0	*	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	0	0†	0	0	0	*	0†
Obesity	20†	0	0	0	0	*	0	*	0	6	0	*	*	*	0	0	0	10†	*	*	0	0	0†
Meningitis	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	*	0	0	*	0†
Parkinson's disease	20†	0	0	0	0	0	0	*	0	12	0	0	0	*	0	0	0	10†	*	*	0	*	0†
Alzheimer's disease	23	0	0	0	0	0	0	0	0	7	0	*	*	*	*	0	0	20†	*	*	0	*	10†
Major cardiovascular diseases	434	*	0	*	*	17	0	15	*	156	0	12	25	11	18	0	0	260†	69	30	16	56	171
Diseases of heart	322	*	0	*	*	9	0	13	*	112	0	9	18	11	11	0	0	190†	54	24	9	45	132
Acute rheumatic fever and chronic rheumatic heart disease	10†	0	0	0	0	*	0	0	0	*	0	0	0	0	*	0	0	10†	*	*	0	0	0†
Hypertensive heart disease	20	*	0	0	0	0	0	0	*	*	0	*	0	*	*	0	0	10†	6	*	*	*	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†
Ischemic heart disease	206	0	0	*	*	6	0	6	*	77	0	6	11	9	7	0	0	130†	29	18	*	28	80†
Acute myocardial infarction	50	0	0	*	0	*	0	*	*	20	0	*	*	*	*	0	0	30†	6	*	*	7	20†
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
Other forms of chronic ischemic heart disease	156	0	0	0	*	*	0	*	*	57	0	*	9	6	6	0	0	100†	23	15	*	21	60†
Atherosclerotic cardiovascular disease	52	0	0	0	0	0	0	*	*	20	0	*	*	0	*	0	0	30†	11	*	*	6	20†
All other forms of chronic ischemic heart disease	104	0	0	0	*	*	0	*	0	37	0	*	*	6	*	0	0	60†	12	13	*	15	40†
Other heart diseases	86	0	0	0	0	*	0	7	0	28	0	*	7	*	*	0	0	50†	16	*	*	14	40†
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†
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†
Heart failure	17	0	0	0	0	0	0	*	0	*	0	0	*	0	0	0	0	10†	*	*	*	*	10†
All other forms of heart disease	65	0	0	0	0	*	0	6	0	23	0	*	6	*	*	0	0	40†	12	*	*	7	20†

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Essential (primary) hypertension and hypertensive renal disease	33	0	0	0	*	*	0	*	*	10	0	*	*	0	*	0	0	20†	7	*	*	*	10†
Cerebrovascular diseases	65	0	0	0	0	0	0	*	0	27	0	*	*	0	*	0	0	40†	6	*	*	9	30†
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	7	0	0	0	0	0	0	0	10†	*	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†
Other disease of arteries, arterioles and capillaries	10†	0	0	0	0	*	0	0	0	*	0	0	0	0	0	0	0	10†	*	0	*	0	0†
Other disorders of circulatory system	0†	0	0	0	0	0	0	*	0	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
Influenza and pneumonia	55	0	0	*	0	*	0	*	*	23	0	*	*	*	*	0	0	40†	6	*	*	6	10†
Influenza	6	0	0	0	0	*	0	*	0	*	0	0	0	*	0	0	0	10†	0	0	0	0	0
Pneumonia	49	0	0	*	0	*	0	*	*	20	0	*	*	*	*	0	0	40†	6	*	*	6	10†
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
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
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
Chronic lower respiratory diseases	45	0	0	0	*	0	0	*	*	9	0	0	*	*	0	0	0	20†	12	*	*	10	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
Emphysema	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	0	0	*	0†
Asthma	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	0	0†
Other chronic lower respiratory diseases	39	0	0	0	*	0	0	*	*	7	0	0	*	*	0	0	0	10†	10	*	*	9	30†
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
Pneumonitis due to solids and liquids	19	0	0	*	0	*	0	*	0	*	0	0	*	*	*	0	0	10†	*	*	*	*	10†
Other disease of respiratory system	35	0	0	*	0	*	0	*	0	17	0	0	*	*	*	0	0	30†	*	*	0	*	10†
Peptic ulcer	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
Hernia	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	195	0	*	*	*	14	0	*	0	37	0	8	13	14	15	0	0	110†	42	12	8	25	87
Alcoholic liver disease	163	0	0	*	*	12	0	*	0	29	0	7	11	10	13	0	0	90†	38	8	8	21	75
Other chronic liver disease and cirrhosis	32	0	*	0	0	*	0	0	0	8	0	*	*	*	*	0	0	20†	*	*	0	*	10†
Cholelithiasis and other disorders of gallbladder	0†	0	0	0	0	*	0	0	0	*	0	0	*	0	0	0	0	0†	0	0	0	0	0
Nephritis, nephrotic syndrome and nephrosis	41	0	0	*	0	*	0	*	0	14	0	*	*	*	*	*	0	30†	*	*	*	*	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
Chronic glomerulonephritis	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	*	0	0	0†	0	0	0	0	0
Renal failure	38	0	0	*	0	*	0	*	0	13	0	*	*	*	*	*	0	30†	*	*	*	*	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
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†

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	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
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	0†	0	0	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
Other complications of pregnancy, childbirth and the puerperium	0†	0	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	10†	*	0	0	0	0†
Congenital anomalies, deformations and chromosomal abnormalities	10†	0	0	0	0	0	0	0	0	*	0	0	*	0	*	0	0	10†	*	*	0	*	10†
Symptoms, signs, abnormal findings	87	0	0	0	*	*	0	*	0	43	0	0	*	*	0	0	0	60†	8	0	*	18	30†
Total accidents	378	0	*	0	*	12	*	20	*	147	0	15	14	6	22	0	0	250†	62	11	16	42	131
Transport accidents	158	0	*	0	*	*	*	9	*	63	0	*	11	*	8	0	0	110†	17	*	8	18	50†
Motor vehicle accidents	151	0	*	0	*	*	*	9	*	60	0	*	11	*	7	0	0	110†	16	*	8	16	40†
Other land transport accidents	0†	0	0	0	0	0	0	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	0	0	0	*	0	0	*	0†
Nontransport accidents	220	0	*	0	*	7	0	11	*	84	0	10	*	*	14	0	0	140†	45	7	8	24	84
Falls	39	0	0	0	*	*	0	*	0	10	0	*	*	0	*	0	0	20†	7	*	*	6	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†
Accidental drowning and submersion	10†	0	0	0	0	0	0	*	0	*	0	*	0	0	*	0	0	10†	*	0	0	*	10†
Accidental exposure to smoke, fire and flames	10†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	0	0	*	0†
Accidental poisoning	105	0	*	0	*	*	0	*	0	36	0	7	0	*	*	0	0	60†	27	*	6	8	50†
Excessive natural heat	10†	0	0	0	0	0	0	0	*	*	0	0	0	0	0	0	0	0†	*	*	*	*	10†
Excessive natural cold	14	0	0	0	0	0	0	*	0	9	0	0	*	0	*	0	0	10†	0	0	0	0	0
Other and unspecified nontransport accidents	54	0	0	0	0	*	0	*	*	29	0	0	*	0	7	0	0	40†	*	*	*	6	10†
Intentional self-harm (suicide)	78	0	0	*	0	*	*	*	*	30	0	*	*	*	9	0	0	50†	8	8	*	*	30†
By discharge of firearms	21	0	0	*	0	*	0	*	0	9	0	*	0	0	*	0	0	10†	*	*	0	*	10†
By other means	57	0	0	0	0	*	*	*	*	21	0	*	*	*	8	0	0	40†	*	*	*	*	20†
Assault (homicide)	53	0	*	0	0	6	0	*	*	16	0	0	*	*	0	0	0	30†	8	*	6	*	20†
By discharge of firearms	24	0	0	0	0	*	0	*	0	7	0	0	*	*	0	0	0	20†	*	*	*	*	10†
By other means	29	0	*	0	0	*	0	*	*	9	0	0	0	*	0	0	0	20†	*	0	*	*	10†
Legal intervention	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0†
Events of undetermined intent	20†	0	0	*	0	*	0	0	0	*	0	*	*	0	*	0	0	10†	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†
Other and unspecified events of undetermined intent	20†	0	0	*	0	*	0	0	0	*	0	*	*	0	*	0	0	10†	0	*	*	*	0†
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	10†	0	0	0	0	*	0	0	0	*	*	*	0	0	0	0	0	10†	*	0	0	*	0†
INJURY BY FIREARMS	51	0	0	*	0	6	0	*	0	18	0	*	*	*	*	0	0	30†	7	*	*	*	20†
DRUG-INDUCED DEATHS	69	0	0	*	*	6	0	*	0	9	0	7	*	*	*	0	0	30†	22	*	*	*	40†
OPIOID-INDUCED DEATHS	33	0	0	0	*	*	0	0	0	*	0	*	0	*	0	0	0	10†	16	*	0	*	20†
ALCOHOL-INDUCED DEATHS	271	0	*	*	*	13	0	11	*	75	0	8	12	13	26	0	0	170†	52	12	12	28	104

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.

5.7

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	2,360†	479	3	282	97	36	1	35	474	42	449	225	169	0	28	16	19
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	10†	*	0	*	0	0	0	0	0	*	*	*	0	0	0	*	0
Enterocolitis due to Clostridium difficile	10†	*	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
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	30†	8	0	*	0	*	0	0	*	*	6	*	*	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	10†	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
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	20†	*	0	*	*	0	0	0	*	0	*	*	0	0	0	0	0
Malignant neoplasms	270†	50	*	25	*	*	*	6	63	*	49	25	25	0	*	0	*
Malignant neoplasm of lip, oral cavity and pharynx	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	*
Malignant neoplasm of stomach	10†	*	0	*	0	*	0	0	0	0	*	0	*	0	0	0	*
Malignant neoplasm of colon, rectum and anus	30†	*	0	*	0	0	0	*	6	*	6	*	*	0	0	0	0
Malignant neoplasm of liver and intrahepatic bile ducts	30†	*	0	*	0	0	0	*	9	0	*	*	*	0	*	0	0
Malignant neoplasm of pancreas	20†	*	0	*	0	0	0	*	*	0	*	*	0	0	0	0	0
Malignant neoplasm of larynx	0	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	*	0	*	*	*	0	0	0	0
Malignant melanoma of skin	0†	*	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0
Malignant neoplasm of breast	20†	*	0	0	0	0	0	*	6	0	*	*	*	0	0	0	0
Malignant neoplasm of cervix uteri	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
Malignant neoplasm of ovary	20†	*	0	*	*	0	0	*	6	0	*	0	*	0	0	0	0
Malignant neoplasm of prostate	20†	*	0	*	0	*	0	0	0	*	*	0	0	0	*	0	0
Malignant neoplasm of kidney and renal pelvis	20†	*	0	0	0	0	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	0	0

5.7 (continued)
DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	10†	0	0	*	0	0	0	0	*	*	*	0	0	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	30†	6	0	*	0	*	0	0	6	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	0
Leukemia	10†	*	0	0	0	0	0	0	*	0	*	*	*	0	0	0	0
Multiple myeloma and immunoproliferative neoplasms	10†	*	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†	7	0	*	*	0	0	*	*	0	8	7	*	0	*	0	0
In situ neoplasms	10†	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
Diabetes	190†	35	0	17	9	*	0	*	36	*	26	32	18	0	*	*	*
Nutritional deficiencies	10†	*	0	0	*	0	0	0	0	0	*	0	0	0	0	*	0
Malnutrition	10†	*	0	0	*	0	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	0
Obesity	20†	*	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	*	0	0	0	0	*	0	*	*	0	0	0	0	0
Alzheimer's disease	20†	6	0	*	*	0	0	0	6	0	*	*	0	0	0	0	0
Major cardiovascular diseases	430†	87	*	67	20	7	0	*	87	13	74	41	29	0	*	0	*
Diseases of heart	320†	61	*	50	11	7	0	*	67	11	53	35	20	0	*	0	*
Acute rheumatic fever and chronic rheumatic heart disease	10†	*	0	0	0	0	0	0	*	0	*	*	*	0	0	0	0
Hypertensive heart disease	20†	*	0	*	0	0	0	0	8	*	*	*	*	0	0	0	0
Hypertensive heart and renal disease	0†	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0
Ischemic heart disease	210†	39	*	32	7	*	0	*	38	9	35	27	9	0	*	0	*
Acute myocardial infarction	50†	13	*	8	*	*	0	*	9	*	8	6	*	0	0	0	0
Other acute ischemic heart disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of chronic ischemic heart disease	160†	26	0	24	6	*	0	0	29	8	27	21	8	0	*	0	*
Atherosclerotic cardiovascular disease	50†	8	0	10	*	*	0	0	14	*	7	*	*	0	*	0	0
All other forms of chronic ischemic heart disease	100†	18	0	14	*	*	0	0	15	*	20	19	7	0	*	0	*
Other heart diseases	90†	17	0	15	*	*	0	*	18	*	16	*	6	0	0	0	0
Acute and subacute endocarditis	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
Heart failure	20†	6	0	*	*	0	0	*	*	0	*	*	*	0	0	0	0
All other forms of heart disease	70†	11	0	14	*	*	0	0	14	*	13	*	*	0	0	0	0
Essential (primary) hypertension and hypertensive renal disease	30†	*	0	*	*	0	0	0	9	*	*	*	*	0	0	0	0
Cerebrovascular diseases	70†	16	0	10	7	0	0	*	8	0	16	*	*	0	*	0	0

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	0	0
Other diseases of circulatory system	10†	*	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
Other disease of arteries, arterioles and capillaries	10†	*	0	*	0	0	0	0	*	0	0	0	*	0	0	0	0
Other disorders of circulatory system	0†	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0
Influenza and pneumonia	60†	16	0	7	0	*	0	*	9	*	10	*	*	0	0	0	0
Influenza	10†	*	0	*	0	0	0	0	0	0	*	*	*	0	0	0	0
Pneumonia	50†	14	0	6	0	*	0	*	9	*	9	*	*	0	0	0	0
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	*	8	*	*	0	0	13	*	*	*	0	0	*	0	0
Bronchitis, chronic and unspecified	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
Asthma	0†	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0
Other chronic lower respiratory diseases	40†	*	*	6	*	*	0	0	11	*	*	*	0	0	*	0	0
Pneumoconioses and chemical effects	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	20†	*	0	*	*	0	0	*	*	0	6	*	*	0	0	0	0
Other disease of respiratory system	40†	9	0	*	*	0	0	*	*	0	12	*	*	0	*	0	0
Peptic ulcer	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
Hernia	0†	0	0	*	0	0	0	0	0	0	0	0	*	0	0	0	0
Chronic liver disease and cirrhosis	200†	25	0	18	11	*	0	*	56	0	26	26	21	0	*	*	*
Alcoholic liver disease	160†	19	0	18	8	*	0	*	49	0	22	18	18	0	*	*	*
Other chronic liver disease and cirrhosis	30†	6	0	0	*	0	0	0	7	0	*	8	*	0	0	*	0
Cholelithiasis and other disorders of gallbladder	0†	0	0	0	*	0	0	0	0	0	*	0	*	0	0	0	*
Nephritis, nephrotic syndrome and nephrosis	40†	9	0	*	*	*	0	*	*	0	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
Chronic glomerulonephritis	0†	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Renal failure	40†	8	0	*	*	*	0	*	*	0	7	*	*	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	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	0	0
Pregnancy, childbirth and the puerperium	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

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2017

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	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
Congenital anomalies, deformations and chromosomal abnormalities	10†	*	0	0	*	0	0	0	*	*	*	*	0	0	0	0	0
Symptoms, signs, abnormal findings	90†	42	0	9	*	*	0	*	10	0	11	*	*	0	0	0	*
Total accidents	380†	89	0	55	12	*	0	*	84	*	81	17	14	0	*	*	8
Transport accidents	160†	40	0	26	9	*	0	0	23	*	34	9	7	0	0	*	*
Motor vehicle accidents	150†	39	0	24	9	*	0	0	22	*	33	9	6	0	0	*	*
Other land transport accidents	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	*
Nontransport accidents	220†	49	0	29	*	*	0	*	61	*	47	8	7	0	*	*	*
Falls	40†	8	0	*	*	*	0	*	12	0	8	*	*	0	0	0	*
Accidental discharge of firearms	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
Accidental exposure to smoke, fire and flames	10†	*	0	*	0	0	0	0	*	0	*	0	*	0	0	0	0
Accidental poisoning	110†	20	0	18	0	0	0	*	37	0	15	*	*	0	0	*	*
Excessive natural heat	10†	0	0	*	0	0	0	0	*	*	0	*	0	0	0	0	*
Excessive natural cold	10†	*	0	*	*	0	0	0	0	0	7	0	0	0	*	0	0
Other and unspecified nontransport accidents	50†	16	0	6	*	0	0	0	*	*	18	*	*	0	*	0	*
Intentional self-harm (suicide)	80†	16	0	12	*	0	0	*	11	*	19	9	*	0	0	0	*
By discharge of firearms	20†	7	0	0	0	0	0	*	*	0	*	*	*	0	0	0	0
By other means	60†	9	0	12	*	0	0	0	7	*	14	6	*	0	0	0	*
Assault (homicide)	50†	8	0	8	*	0	0	0	9	*	9	*	8	0	0	*	*
By discharge of firearms	20†	*	0	*	*	0	0	0	*	0	*	*	*	0	0	0	*
By other means	30†	6	0	6	0	0	0	0	6	*	*	*	*	0	0	*	*
Legal intervention	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Events of undetermined intent	20†	*	0	*	*	0	0	*	*	0	6	*	*	0	0	*	0
Discharge of firearms	0†	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0
Other and unspecified events of undetermined intent	20†	*	0	*	*	0	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
INJURY BY FIREARMS	50†	11	0	*	*	0	0	*	8	0	10	7	8	0	0	0	*
DRUG-INDUCED DEATHS	70†	*	0	*	*	0	0	*	33	0	9	7	*	0	0	*	*
OPIOID-INDUCED DEATHS	30†	*	0	0	0	0	0	0	22	0	*	*	*	0	0	0	*
ALCOHOL-INDUCED DEATHS	270†	44	0	39	10	*	0	*	64	*	49	25	22	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.

5.8

DEATHS FROM MOTOR VEHICLE INJURIES AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP, ARIZONA, 2017

	TOTAL	Resided on reservation											Resided off reservation						
		Cocopah Tribe	Fort McDowell Yavapai Nation Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai 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	150†	0†	0†	10†	0†	10†	0†	10†	60†	10†	10†	10†	110†	20†	0†	10†	20†	40†
	<1	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
	5-14	0†	0†	0	0	0	0	0	0	*	0	0	0	0†	*	0	0	0	0†
	15-24	24	0†	*	*	0	0	0	0	11	0	*	0	20†	*	0	*	*	10†
	25-34	35	0†	0	*	*	*	0	*	13	*	*	*	30†	*	*	*	*	10†
	35-44	31	0†	0	0	*	*	*	*	9	*	*	*	20†	*	*	*	*	10†
	45-54	23	0†	0	0	0	*	0	*	8	*	*	*	20†	*	*	*	*	10†
	55-64	20†	0†	0	0	0	*	0	*	8	0	0	0	10†	*	0	0	*	10†
	65-74	10†	0†	0	0	0	*	0	*	6	0	0	0	10†	*	0	0	0	0†
	75-84	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†
M	ALL AGES	100†	0†	0†	0†	0†	10†	0†	10†	50†	0†	10†	0†	80†	10†	0†	0†	10†	20†
	<1	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
	5-14	0†	0	0	0	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
	15-24	20†	0	*	*	0	0	0	0	10	0	*	0	20†	*	0	0	*	0†
	25-34	20†	0	0	*	0	0	0	*	10	*	*	0	20†	*	*	*	*	10†
	35-44	20†	0	0	0	*	0	0	*	*	*	*	*	10†	*	0	0	*	0†
	45-54	10†	0	0	0	0	0	0	*	6	0	*	0	10†	*	0	*	*	0†
	55-64	10†	0	0	0	0	0	0	*	7	0	0	0	10†	*	0	0	*	0†
	65-74	10†	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†
	85+	0†	0	0	*	0	0	0	0	0	0	0	0	0†	0	0	0	0	0
F	ALL AGES	60†	0	0	0†	0†	0†	0	0†	20†	0†	0†	0†	30†	10†	0†	10†	10†	20†
	<1	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
	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	0	0†	0	0	*	*	0†
	25-34	10†	0	0	0	*	*	0	*	*	0	*	*	10†	0	*	0	*	0†
	35-44	16	0	0	0	0	*	0	*	*	0	*	0	10†	*	*	*	*	10†
	45-54	10†	0	0	0	0	0	0	0	*	*	*	*	10†	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†
	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†

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, 2017**

		TOTAL	Resided on reservation										TOTAL	Resided off reservation				TOTAL
			Colorado River Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'odham Nation	White Mountain Apache Tribe		---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	
TOTAL	ALL AGES	80†	0†	10†	0†	0†	0†	30†	0†	0†	0†	10†	50†	10†	10†	0†	10†	30†
	5-14	0†	0	0	0	0	0	0	0	0	0	*	0†	0	0	0	0	0
	15-24	23	0	*	*	0	*	9	0	0	0	*	20†	*	*	*	0	10†
	25-34	26	*	*	0	0	0	*	*	*	*	6	20†	*	*	*	*	10†
	35-44	20†	0	*	0	*	0	11	0	0	0	0	10†	0	*	0	*	10†
	45-54	10†	0	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†
M	ALL AGES	60†	0†	0†	0	0†	0	30†	0†	0†	0†	10†	40†	10†	10†	0†	10†	20†
	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	6	0	0	0	*	10†	*	*	0	0	10†
	25-34	19	*	0	0	0	0	*	*	*	*	*	10†	*	*	*	*	10†
	35-44	20†	0	*	0	*	0	9	0	0	0	0	10†	0	*	0	*	0†
	45-54	10†	0	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†
F	ALL AGES	20†	0	0†	0†	0†	0†	10†	0	0	0	0†	10†	0†	0†	0†	0	10†
	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	10†	*	*	*	0	0†
	25-34	10†	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	0	0	0
	55-64	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.

**5.10
ASSAULT (HOMICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP,
ARIZONA, 2017**

		TOTAL	Resided on reservation							Resided off reservation					
			Cocopah Tribe	Gila River Indian Community	Hopi Tribe	Hualapai Tribe	Navajo Nation	San Carlos Apache Tribe	Tohono O'Odham Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	50†	0†	10†	0†	0†	20†	0†	10†	30†	10†	0†	10†	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
	5-14	0†	0	0	0	0	0	0	*	0†	0	0	0	0	0
	15-24	10†	0	0	0	*	*	*	*	10†	*	0	0	0	0†
	25-34	21	*	*	0	0	7	*	0	10†	*	0	*	*	10†
	35-44	10†	0	*	*	0	*	0	*	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†
	65-74	0†	0	0	0	0	*	0	0	0†	0	0	0	0	0
M	ALL AGES	50†	0†	10†	0†	0†	10†	0†	0†	30†	10†	0†	0†	10†	20†
	<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
	15-24	10†	0	0	0†	*	*	*	*	10†	*	0	0	0	0†
	25-34	20	1	*	0	0	7	*	0	10†	*	0	*	*	10†
	35-44	10†	0	*	2	0	*	0	0	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	0
F	ALL AGES	10†	0	0	0	0	0†	0	0†	10†	0†	0	0†	0	0†
	<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	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†
	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	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

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, 2017

		TOTAL	Resided on reservation														Resided off reservation						
			Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	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	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL	
TOTAL	ALL AGES	440†	0†	0†	10†	0†	40†	0†	20†	0†	140†	0†	20†	20†	30†	20†	300†	60†	30†	10†	40†	140†	
	5-14	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	*	*	0†	0	*	*	0	0	0†
	35-44	35	0	*	0	0	*	0	*	0	*	0	*	*	*	*	20†	7	*	0	*	10†	
	45-54	64	0	0	0	*	10	*	*	*	14	0	*	*	*	*	40†	10	*	*	7	20†	
	55-64	75	*	0	*	0	6	0	7	0	14	*	*	7	*	*	50†	12	8	0	9	29	
	65-74	129	*	0	*	*	12	0	*	0	39	0	7	*	10	*	90†	15	8	*	14	40†	
	75-84	90	0	*	*	0	*	0	*	0	45	0	*	*	6	*	70†	10	*	*	7	20†	
	85+	39	0	0	*	0	0	0	*	*	19	0	0	*	*	*	30†	*	*	0	*	10†	
M	ALL AGES	250†	0†	0	0†	0†	20†	0	20†	0†	70†	0†	0†	10†	20†	10†	160†	40†	20†	10†	20†	90†	
	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	0†	0	0	0	0	*	0	0	0	0	0	0	0	*	0	0†	0	*	*	0	0	0†
	35-44	20	0	0	0	0	*	0	*	0	*	0	0	*	*	*	10†	*	*	0	*	10†	
	45-54	46	0	0	0	*	7	0	*	*	10	0	*	*	*	*	30†	8	*	*	*	20†	
	55-64	49	*	0	*	0	*	0	6	0	8	*	0	*	*	*	30†	7	6	0	6	19	
	65-74	72	0	0	*	*	*	0	*	0	26	0	*	*	*	*	50†	10	*	*	7	30†	
	75-84	43	0	0	0	0	*	0	*	0	20	0	*	*	*	*	30†	6	*	*	*	10†	
	85+	10†	0	0	0	0	0	0	0	*	8	0	0	*	0	*	10†	0	0	0	*	0†	
F	ALL AGES	190†	0†	0†	10†	0	20†	0†	10†	0	60†	0	10†	10†	10†	10†	140†	20†	10†	0†	20†	50†	
	5-14	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	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0†	0	0	0	0	0	0
	35-44	20†	0	*	0	0	*	0	0	0	*	0	*	*	*	*	10†	*	0	0	*	0†	
	45-54	20†	0	0	0	0	*	*	0	0	*	0	*	*	*	0	10†	*	0	*	*	10†	
	55-64	26	0	0	0	0	*	0	*	0	6	0	*	*	*	*	20†	*	*	0	*	10†	
	65-74	57	*	0	*	0	8	0	*	0	13	0	*	*	*	*	40†	*	*	*	7	20†	
	75-84	47	0	*	*	0	*	0	*	0	25	0	0	*	*	0	40†	*	*	0	*	10†	
	85+	26	0	0	*	0	0	0	*	0	11	0	0	0	*	*	20†	*	*	0	*	10†	

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; 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 (188 in 2017) 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, 2017

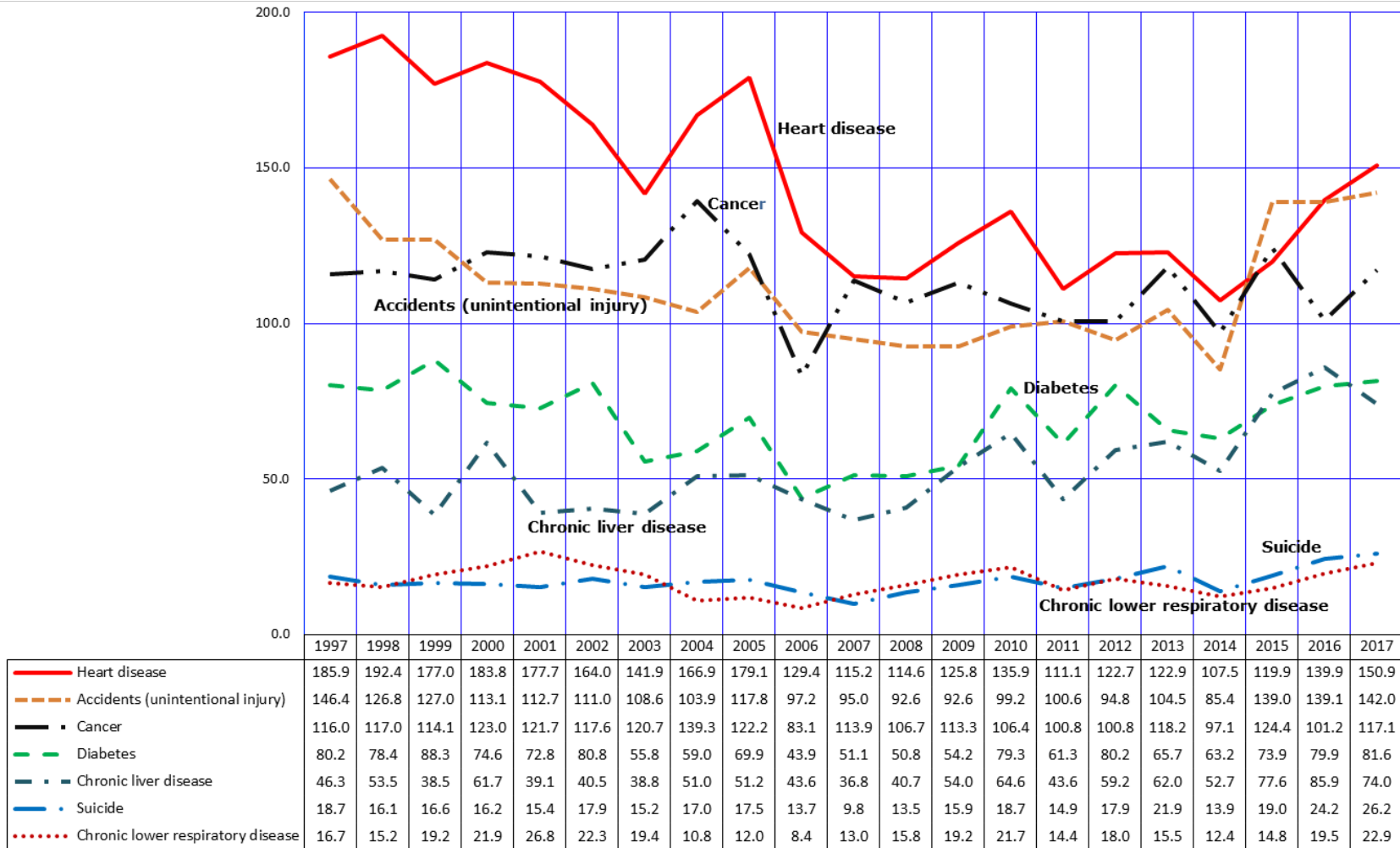
	TOTAL	Resided on reservation											Resided off reservation						
		Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Gila River Indian Community	Havasupai Tribe	Hualapai Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL	
TOTAL	ALL AGES	270†	0†	0†	0†	10†	10†	0†	80†	10†	10†	10†	30†	170†	50†	10†	10†	30†	100†
	5-14	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†
	25-34	31	0	0	0	*	0	0	6	*	0	*	8	20†	*	*	*	*	10†
	35-44	69	*	0	*	*	*	*	18	*	*	*	10	40†	16	*	*	*	30†
	45-54	85	0	*	*	*	*	*	27	*	*	*	*	50†	18	*	*	8	30†
	55-64	55	0	*	0	*	*	0	14	*	*	*	*	30†	10	*	*	9	20†
	65-74	23	0	0	0	*	*	0	7	0	*	0	*	10†	*	*	*	*	10†
	75-84	10†	0	0	0	*	0	0	*	0	*	0	0	10†	0	0	0	*	0†
M	ALL AGES	170†	0†	0†	0†	10†	10†	0†	50†	0†	10†	10†	20†	110†	30†	10†	10†	20†	70†
	5-14	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†
	25-34	21	0	0	0	*	0	0	*	*	0	*	*	10†	*	*	*	*	10†
	35-44	40	*	0	*	*	*	*	10	*	*	*	*	30†	8	0	*	*	10†
	45-54	56	0	*	*	*	0	*	20	*	0	*	*	40†	12	*	*	*	20†
	55-64	29	0	*	0	0	*	0	9	0	*	*	*	20†	6	*	*	*	10†
	65-74	18	0	0	0	0	*	0	*	0	*	0	*	10†	*	*	*	*	10†
	75-84	10†	0	0	0	*	0	0	*	0	*	0	0	10†	0	0	0	*	0†
F	ALL AGES	100†	0	0	0†	0†	0†	0	30†	0†	10†	10†	10†	60†	20†	0†	0†	10†	40†
	5-14	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
	25-34	10†	0	0	0	0	0	0	*	*	0	0	*	10†	*	0	0	0	0†
	35-44	29	0	0	0	0	*	0	8	0	*	*	*	20†	8	*	*	*	10†
	45-54	29	0	0	*	*	*	0	7	*	*	*	*	20†	6	*	*	*	10†
	55-64	26	0	0	0	*	0	0	*	*	*	*	0	20†	*	0	0	7	10†
	65-74	10†	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

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, 1997-2017



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 2017

Rank	Female	Both	Male
1	Cancer 118.2	Diseases of heart 150.9	Diseases of heart 217.2
2	Diseases of heart 103.9	Accidents (unintentional injury) 142.0	Accidents (unintentional injury) 206.1
3	Accidents (unintentional injury) 88.1	Cancer 117.1	Cancer 114.6
4	Diabetes 64.8	Diabetes 81.6	Diabetes 101.9
5	Chronic liver disease and cirrhosis 63.7	Chronic liver disease and cirrhosis 74.0	Chronic liver disease and cirrhosis 85.4

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 2017" report.

5.15
Five Leading Causes of Death^a among American Indians by Gender and Residence
On or Off Reservation, Arizona, 2017

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	Cancer 12.9	Cancer 18.0	Accidents (unintentional injury) 20.9	Accidents (unintentional injury) 16.7
2	Diseases of heart 12.0	Diseases of heart 13.3	Diseases of heart 13.4	Diseases of heart 16.1
3	Accidents (unintentional injury) 11.2	Accidents (unintentional injury) 12.7	Diabetes 7.8	Cancer 10.2
4	Diabetes 9.8	Chronic liver disease and cirrhosis 9.8	Cancer 7.7	Chronic liver disease and cirrhosis 10.0
5	Chronic liver disease and cirrhosis 8.2	Diabetes 5.0	Chronic liver disease and cirrhosis 6.6	Diabetes 8.2

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

5.16
Proportional Mortality^a by Type of Cancer and Gender among American Indians and all Residents of Arizona, 2007-2017

Rank	Arizona male^b	American Indian male	Arizona female^b	American Indian female
1	Trachea, bronchus, lung 25.2	Liver 13.1	Trachea, bronchus, lung 24.5	Breast 12.1
2	Lymphoma 10.7	Prostate 11.4	Breast 15.3	Lymphoma 9.4
3	Prostate 10.1	Colon, rectum, anus 10.2	Lymphoma 9.2	Ovary 8.5
4	Colon, rectum, anus 9.0	Lymphoma 10.0	Colon, rectum, anus 9.0	Colon, rectum, anus 8.4
5	Pancreas 6.9	Kidney 8.2	Pancreas 7.1	Trachea, bronchus, lung 8.1
6	Liver 5.3	Trachea, bronchus, lung 8.0	Ovary 5.8	Liver 7.7
7	Leukemia 4.5	Stomach 7.4	Leukemia 3.7	Pancreas 7.1
8	Esophagus 4.0	Pancreas 6.2	Non-Hodgkin's lymphoma 3.4	Stomach 4.8
9	Bladder 4.0	Esophagus 3.8	Liver 3.1	Corpus uteri and uterus 4.4
10	Non-Hodgkin's lymphoma 3.8	Leukemia 3.8	Corpus uteri and uterus 2.9	Kidney 4.1

Notes: ^a Percent of cancer deaths in specified group in 2007-2017.
^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, 2007-2017

Rank	Arizona male^b	American Indian male	Arizona female^b	American Indian female
1	Motor vehicle accidents 29.8	Motor vehicle-related 42.7	Falls 37.7	Motor vehicle-related 49.7
2	Poisoning by drugs 28.0	Poisoning by gases 15.9	Poisoning by drugs 25.9	Falls 12.9
3	Falls 20.6	Poisoning by drugs 11.2	Motor vehicle-related 20.5	Poisoning by drugs 11.7
4	Poisoning by gases 3.7	Falls 7.8	Accidental drowning 1.9	Poisoning by gases 8.8
5	Accidental drowning 3.2	Exposure to cold 4.5	Misadventures to patients 1.9	Exposure to cold 2.1
6	Exposure to heat 1.9	Accidental drowning 2.9	Poisoning by gases 1.8	Accidental drowning 2.0
7	Choked on other objects 1.5	Mechanical suffocation 1.7	Choked on other objects 1.8	Exposure to heat 1.8
8	Fire, flames, smoke 1.2	Exposure to heat 1.6	Exposure to heat 1.4	Mechanical suffocation 1.8
9	Misadventures to patients 1.1	Fire, flames, smoke 1.5	Choked on food 1.2	Misadventures to patients 1.8
10	Mechanical suffocation 1.1	Choked on other objects 1.3	Fire, flames, smoke 1.2	Fire, flames, smoke 1.4

Notes: ^a Percent of unintentional injury deaths in specified group in 2007-2017.

^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, 2007-2017

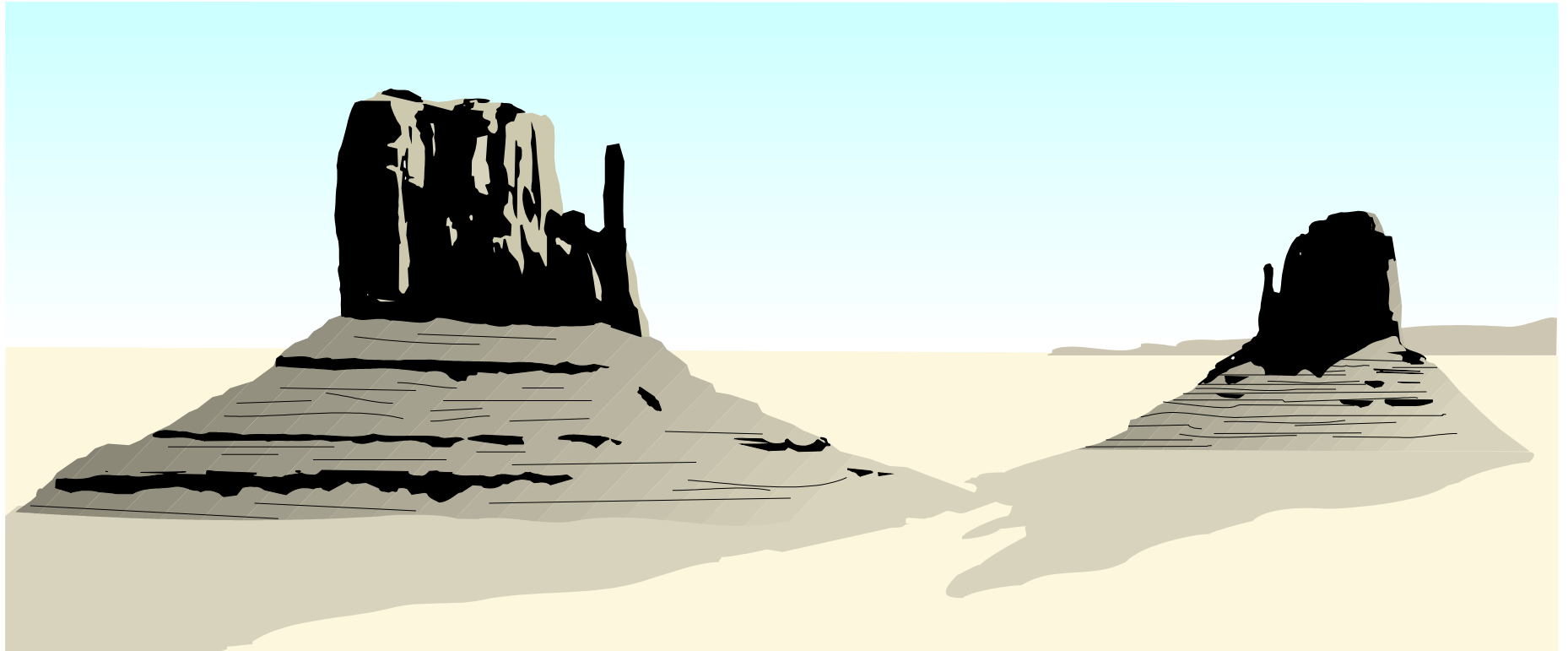
	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Malignant neoplasms, total	119,023	64,239	54,783	2,498	1,219	1,279
Malignant neoplasm of lip, oral cavity and pharynx	1,651	1,183	468	28	19	9
Malignant neoplasm of esophagus	3,218	2,599	619	68	46	22
Malignant neoplasm of stomach	2,207	1,308	899	152	90	62
Malignant neoplasm of colon, rectum and anus	10,734	5,808	4,926	231	124	107
Malignant neoplasm of liver and intrahepatic bile ducts	5,060	3,378	1,682	259	160	99
Malignant neoplasm of pancreas	8,306	4,415	3,891	167	76	91
Malignant neoplasm of larynx	652	519	133	10†	*	*
Malignant neoplasm of trachea, bronchus and lung	29,615	16,194	13,421	201	98	103
Malignant melanoma of skin	2,207	1,490	717	10†	6	*
Malignant neoplasm of breast	8,461	80	8,381	160†	*	155
Malignant neoplasm of cervix uteri	804	0	804	37	0	37
Malignant neoplasm of corpus uteri and uterus, part unspecified	1,612	0	1,612	56	0	56
Malignant neoplasm of ovary	3,169	0	3,169	109	0	109
Malignant neoplasm of prostate	6,502	6,502	0	139	139	0
Malignant neoplasm of kidney and renal pelvis	2,991	1,993	998	152	100	52
Malignant neoplasm of bladder	3,392	2,539	852	20	14	6
Malignant neoplasm of meninges, brain and other parts of central nervous system	3,337	1,883	1,454	47	27	20
Malignant neoplasm of lymphoid, hematopoietic and related tissue	11,945	6,904	5,041	242	122	120
Hodgkin's disease	242	139	103	10†	*	*
Non-Hodgkin's lymphoma	4,297	2,411	1,886	74	35	39
Leukemia	4,924	2,909	2,015	89	46	43
Multiple myeloma and immunoproliferative neoplasms	2,472	1,438	1,034	74	38	36
Other and unspecified malignant neoplasms of lymphoid tissue	10†	7	*	0	0	0
All other and unspecified malignant neoplasms	13,158	7,447	5,711	416	191	225

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, 2007-2017

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Unintentional injury, total	34,984	21,855	13,129	3,293	2,349	944
Railway accidents	95	81	14	30†	29	*
Motor vehicle accidents	9,212	6,522	2,690	1,471	1,002	469
Water transport accident	30†	23	*	0†	*	0
Accident involving aircraft	162	133	29	0†	*	0
Poisoning by drugs/medicaments	9,527	6,127	3,400	374	264	110
Poisoning by gases and vapors	1,052	810	242	457	374	83
Falls	9,463	4,507	4,956	305	183	122
Fire, flames, smoke	427	273	154	48	35	13
Excessive natural heat	597	408	189	54	37	17
Excessive natural cold	229	182	47	125	105	20
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	11	11	0	0	0	0
Bitten or struck by dog	19	10	9	10†	*	*
Lightning	10†	10	*	0†	*	0
Storms and floods	14	7	7	0	0	0
Accidental drowning and submersion	962	707	255	87	68	19
Choked on food	378	214	164	20†	19	*
Choked on other objects	551	320	231	44	31	13
Mechanical suffocation	345	231	114	58	41	17
Accidental discharge of firearms	87	79	8	10	10	0
Exposure to electric current	56	56	0	0†	*	0
Overexertion	0†	*	*	0	0	0
Adverse effects of drugs in therapeutic use	82	28	54	10†	*	0
Misadventures to patients during medical/surgical care	491	247	244	31	14	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 - is 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 labor such that one or more of the following actions was taken: in-utero resuscitation measures, further fetal assessment, or operative delivery: In utero resuscitative measures such as 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 surface active 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 and to whom antibiotics received by the newborn. Any antibacterial drug given

systemically (intravenous or intramuscular) to the newborn for suspected neonatal sepsis.

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's syndrome – The most common chromosomal defect with most cases resulting from an extra chromosome (trisomy 21).

Suspected chromosomal disorder – Any group of congenital malformations resulting from or compatible with known syndromes caused by noticeable defects in chromosome structure.

Hypospadias – Congenital anomaly of the male genitalia characterized by an incomplete closure of the urethra.

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	2017 population of American Indians	2017 deaths among American Indians	Age-specific rates for American Indians in 2017	2000 standard	Age-adjusted rate for American Indians in 2017
A	B	C	D	E	F
			(C/B)*100000		D*E
<1	4,548	46	1011.4	0.013818	14.0
1-4	19,430	12	61.8	0.055317	3.4
5-14	49,506	15	30.3	0.145565	4.4
15-24	49,748	88	176.9	0.138646	24.5
25-34	47,540	208	437.5	0.135573	59.3
35-44	35,643	251	704.2	0.162613	114.5
45-54	34,015	319	937.8	0.134834	126.5
55-64	28,497	354	1242.2	0.087247	108.4
65-74	16,679	387	2320.3	0.066037	153.2
75-84	7,637	373	4884.1	0.044842	219.0
85+	2,682	302	11260.3	0.015508	174.6
	295,925	2,355		TOTAL	1001.9

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.

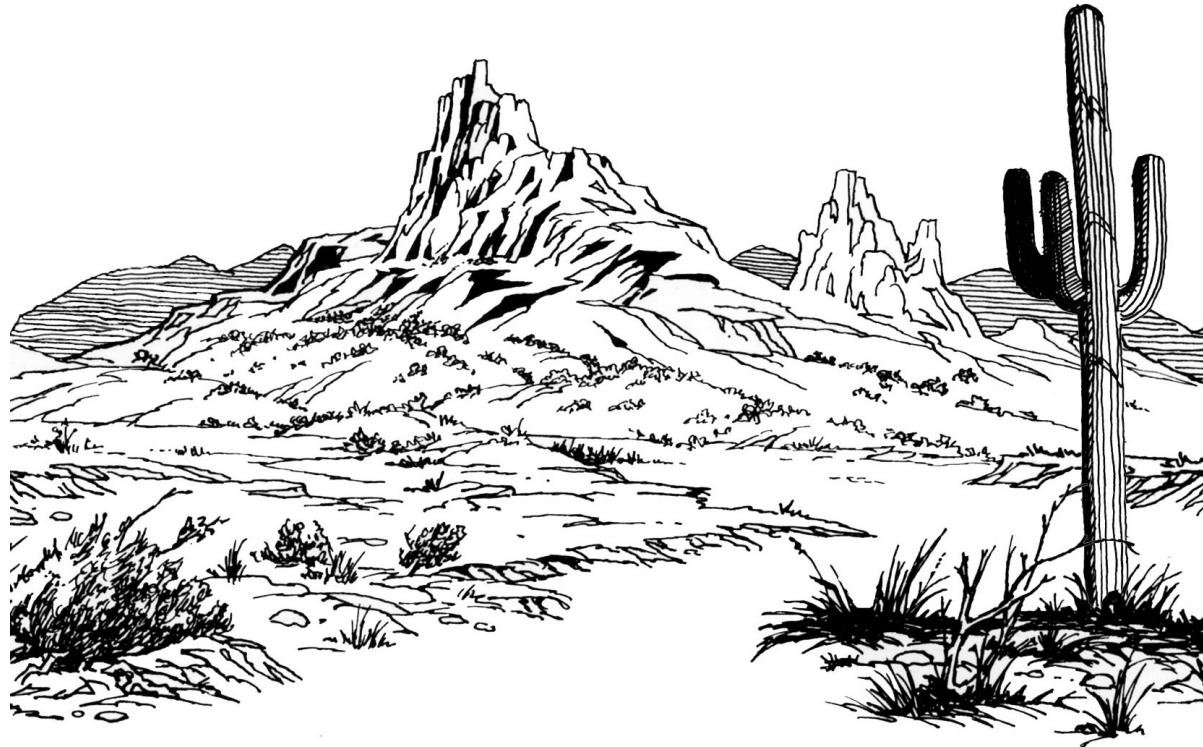
Classification of causes of death - The cause of death used in this report is the underlying cause classified according to the *International Classification of Diseases (ICD)*. Beginning with the 2000 data year in Arizona (1999 nationally), a new revision of the International Classification of Diseases 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.

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.

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 (accidents, suicides, homicides, legal intervention, 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, mental disorders, asthma, diabetes, influenza and pneumonia, and substance abuse), Community Vital Statistics, Teenage Pregnancy, Differences in Health Status Among Racial/Ethnic Groups, and Health Status Profile of American Indians in Arizona.



ARIZONA DEPARTMENT OF HEALTH SERVICES
Bureau of Public Health Statistics
Population Health and Vital Statistics Section