



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



ARIZONA DEPARTMENT
OF HEALTH SERVICES

**2016
Data Book**

~ Health and Wellness for all Arizonans ~



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State of Arizona

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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA: 2016 DATA BOOK

by

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January 2018

Acknowledgment

Grateful acknowledgement is made to Wes Kortuem, GIS Coordinator, for spatially joining the American Indian birth and death data.

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INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 2016 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 2016.

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 2016 *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 2016 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 2006-2016 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 2016. Beginning with the 2006 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.

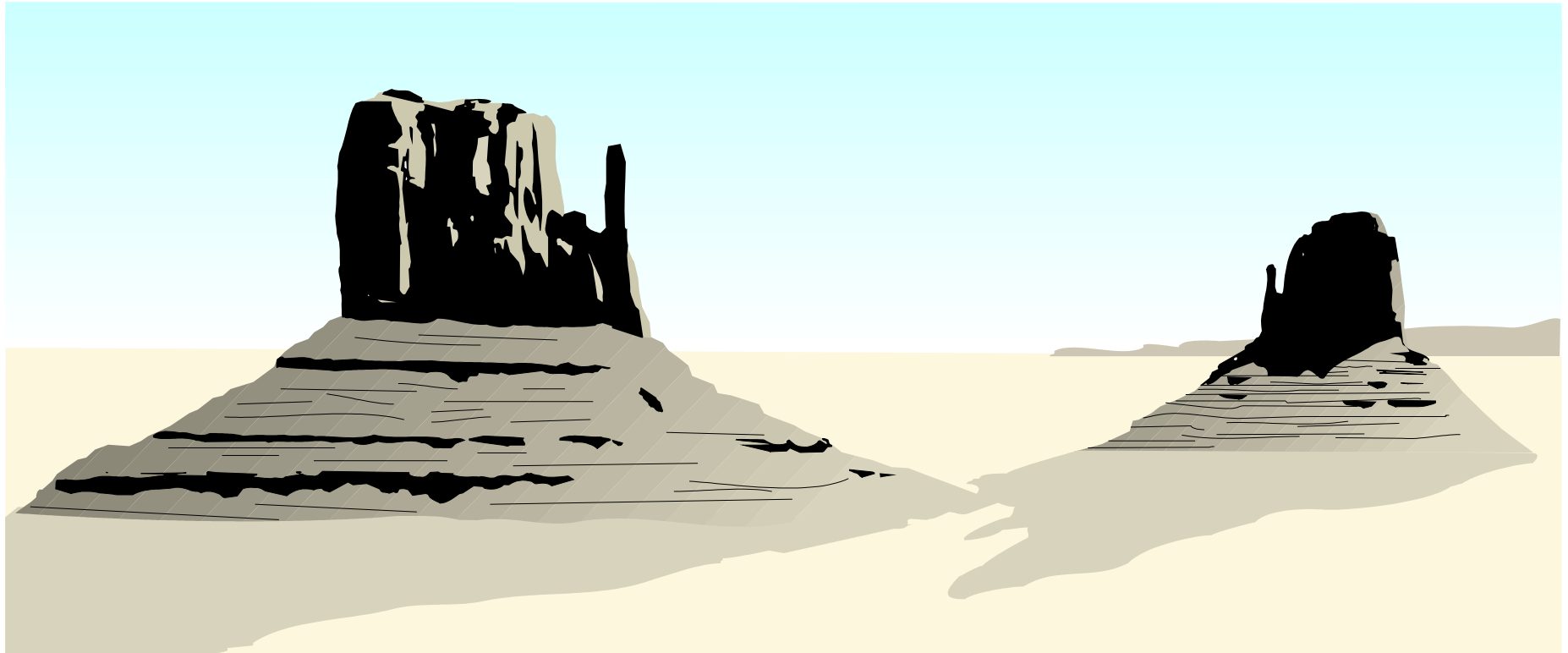
These sections are followed by the **Technical Notes**, which provide information about the sources of data and definitions of terms used in the report. The causes of death for 2006-2016 are classified by the Tenth Revision (ICD-10).

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 2016 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: 2016 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 1998–2016 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 2016

The risk profile presented on the following page summarizes how American Indians as a group compared in 2016 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 2016, AMERICAN INDIAN RESIDENTS OF ARIZONA:

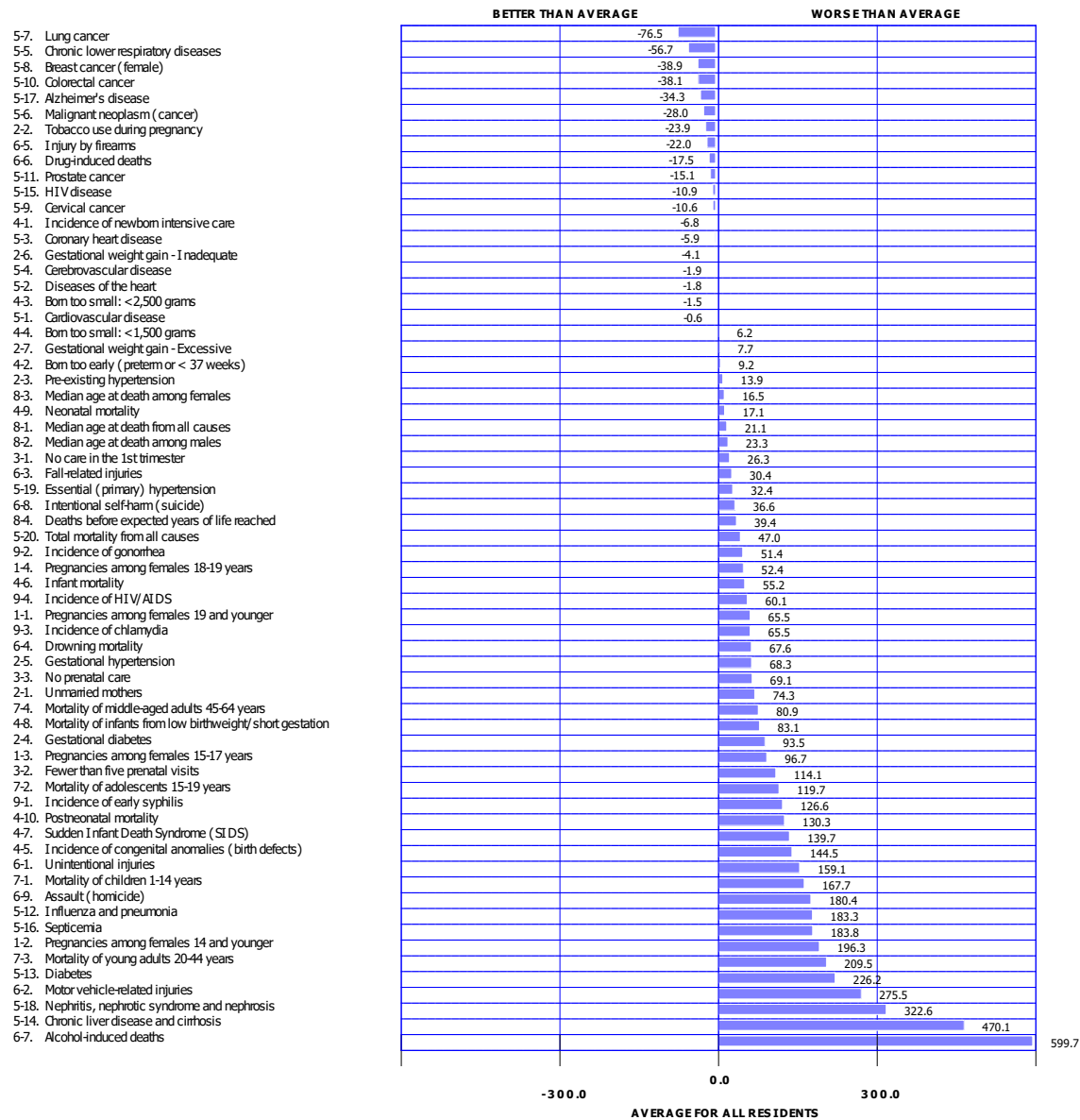
- ranked worse than the statewide average on 46 of 65 health indicators;
- had high mortality from alcohol-induced causes, chronic liver disease and cirrhosis, nephritis, motor vehicle accidents, diabetes, septicemia, influenza and pneumonia, assault, unintentional injuries, incidence of congenital anomalies, and sudden infant death syndrome: all contributing to the premature death rate of 77.1 percent.
- ranked poorly on measures of maternal lifestyle and health, as well as in utilization of prenatal care;
- on average were 16 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, chronic lower respiratory diseases, breast cancer, colorectal cancer, Alzheimer’s disease, all malignant neoplasms, prostate cancer, HIV disease, cervical cancer, coronary heart disease, cerebrovascular disease, heart disease, and cardiovascular disease), tobacco use during pregnancy, injury by firearms, and drug induced deaths.

* 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.

2016 RISK PROFILE OF AMERICAN INDIANS

(Percent above or below the average rate or ratio of all Arizona residents in 2016)



**AMERICAN INDIANS' STANDING IN ARIZONA IN 2016
ON 65 INDICATORS OF HEALTH STATUS**

1. TEEN PREGNANCIES

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

Figure Number	Indicator	2016 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2016	Definitions
1-1	Pregnancies among females 19 and younger	24.7	65.5	14.9	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	1.1	196.3	0.4	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	24.8	96.7	12.6	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	83.9	52.4	55.0	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	2016 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2016	Definitions
2-1	Unmarried mothers	78.1	74.3	44.8	The number of births to unmarried mothers per 100 births.
2-2	Tobacco use during pregnancy	3.6	-23.9	4.8	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births.
2-3	Pre-existing hypertension	1.3	13.9	1.2	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	14.7	93.5	7.6	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	10.5	68.3	6.2	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	21.9	-4.1	22.8	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	49.1	7.7	45.6	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 2016
ON 65 INDICATORS OF HEALTH STATUS (continued)**

3. UTILIZATION OF PRENATAL CARE SERVICES

(Per 100 live births)

Figure Number	Indicator	2016 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2016	Definitions
3-1	No care in the 1 st trimester	39.3	26.3	31.1	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	15.0	114.1	7.0	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	4.0	69.1	2.4	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	2016 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2016	Definitions
4-1	Incidence of newborn intensive care	6.4	-6.8	6.9	The number of babies admitted to Newborn Intensive Care units per 100 births.
4-2	Born too early (preterm or < 37 weeks)	9.9	9.2	9.0	The number of births before 37 weeks of gestation per 100 births. Preterm is any neonate whose birth occurs through the end of the last day of the 37 th week (259 th day), following onset of the last menstrual period.
4-3	Born too small: low-birthweight (<2,500 grams)	7.2	-1.5	7.3	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	6.2	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)	1.2	144.5	0.5	The numbers of babies born with birth defects per 100 births.
4-6	Infant mortality	8.3	55.2	5.4	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)	0.2	139.7	0.1	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	1.2	83.1	0.7	The number of infant deaths from low-birthweight/short gestation (ICD-10 code P07) per 1,000 live births.
4-9	Neonatal mortality	4.2	17.1	3.6	The number of neonatal deaths per 1,000 live births. Neonatal death is death of a liveborn neonate before the neonate becomes 28 days old (up to and including 27 days, 23 hours, 59 minutes from the moment of birth).
4-10	Postneonatal mortality	4.2	130.3	1.8	The number of postneonatal deaths per 1,000 live births. Postneonatal death is any death of a liveborn infant at least 28 days of age but less than one year of age.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2016
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	2016 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2016	Definitions
5-1	Cardiovascular disease	189.6	-0.6	190.8	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	139.9	-1.8	142.5	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	99.9	-5.9	106.2	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	30.1	-1.9	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	19.5	-56.7	45.0	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)	101.2	-28.0	140.7	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	7.4	-76.5	31.4	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	11.8	-38.9	19.4	The number of deaths from breast cancer (ICD-10 code C50) per 100,000 age-adjusted female population.
5-9	Cervical cancer	1.9	-10.6	2.1	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	8.0	-38.1	12.9	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	15.9	-15.1	18.8	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	29.6	183.3	10.4	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	79.9	226.2	24.5	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	85.9	470.1	15.1	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	1.3	-10.9	1.4	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	17.6	183.8	6.2	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	24.5	-34.3	37.3	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)	24.7	322.6	5.8	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	16.1	32.4	12.2	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	1023.9	47.0	696.6	Total number of deaths from all causes per 100,000 age-adjusted population.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2016
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	2016 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2016	Definitions
6-1	Unintentional injuries	139.1	159.1	53.7	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	52.2	275.5	13.9	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	17.5	30.4	13.4	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	2.5	67.6	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	12.0	-22.0	15.3	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	17.8	-17.5	21.5	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	123.0	599.7	17.6	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)	24.2	36.6	17.7	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)	17.6	180.4	6.3	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 2016
ON 65 INDICATORS OF HEALTH STATUS (continued)**

7. PREMATURE MORTALITY

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

Figure Number	Indicator	2016 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2016	Definitions
7-1	Mortality of children 1-14 years old	49.0	167.7	18.3	The number of deaths per 100,000 children 1-14 years old.
7-2	Mortality of adolescents 15-19 years old	117.6	119.7	53.5	The number of deaths per 100,000 adolescents 15-19 years old.
7-3	Mortality of young adults 20-44 years old	474.5	209.5	153.3	The number of deaths per 100,000 young adults 20-44 years old.
7-4	Mortality of middle-aged adults 45-64 years old	1189.8	80.9	657.8	The number of deaths per 100,000 middle-aged adults 45-64 years old.

8. AGE-SPECIFIC MORTALITY

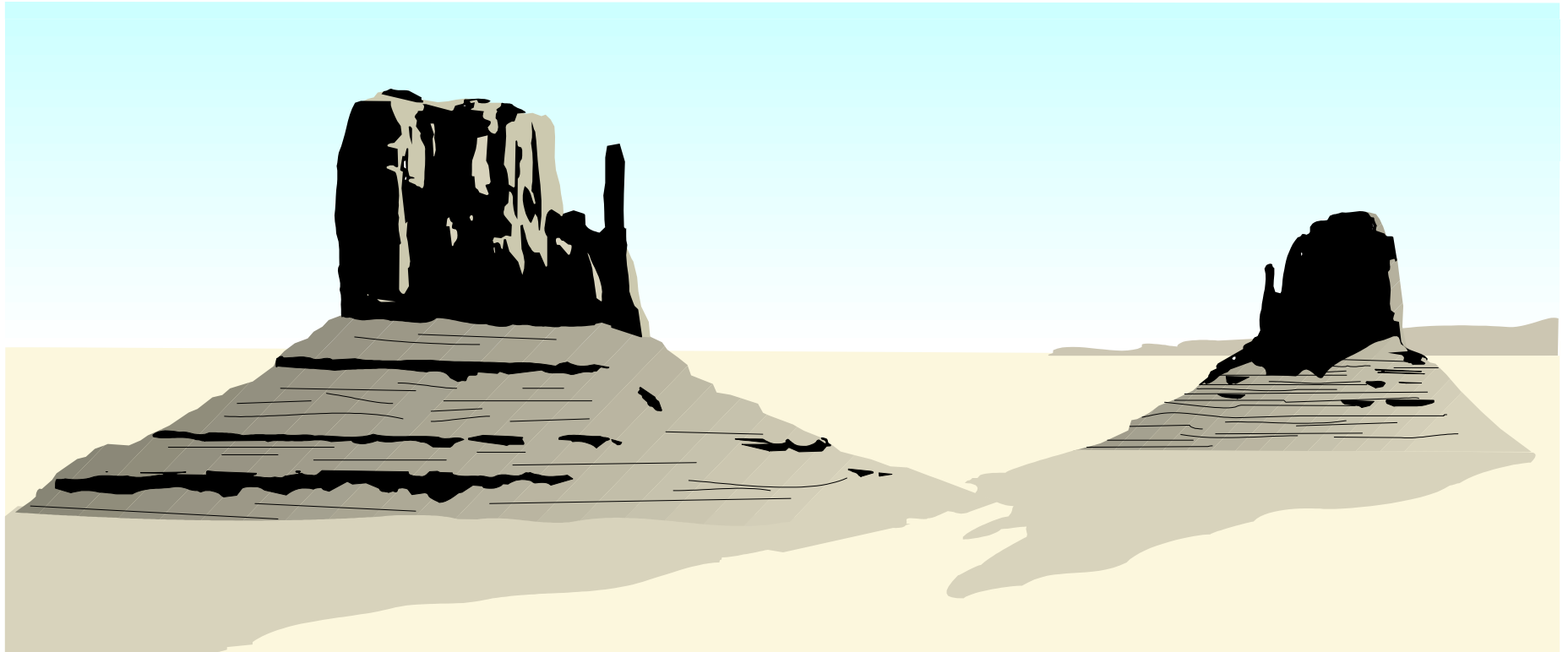
Figure Number	Indicator	2016 rate for American Indians	Percent above or below the average for all groups*	Average rate for all groups in 2016	Definitions
8-1	Median age at death from all causes	60.0	21.1	76.0	The median age (the age in the middle) of Arizonans who died in 2016.
8-2	Median age at death from all causes among males	56.0	23.3	73.0	The median age (the age in the middle) of Arizona males who died in 2016.
8-3	Median age at death from all causes among females	66.0	16.5	79.0	The median age (the age in the middle) of Arizona females who died in 2016.
8-4	Percent of total deaths before expected years of life reached	77.1	39.4	55.3	The number of deaths before reaching 78.8 years (the life expectancy of all U.S. residents in 2016) 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	2016 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2016	Definitions
9-1	Incidence of early syphilis	40.1	126.6	17.7	Number of reported cases of early syphilis per 100,000 population.
9-2	Incidence of gonorrhea	229.0	51.4	151.3	Number of reported cases of gonorrhea per 100,000 population.
9-3	Incidence of chlamydia	846.5	65.5	511.5	Number of reported cases of chlamydia per 100,000 population.
9-4	Incidence of HIV/AIDS	18.3	60.1	11.4	Number of reported cases of HIV/AIDS per 100,000 population.



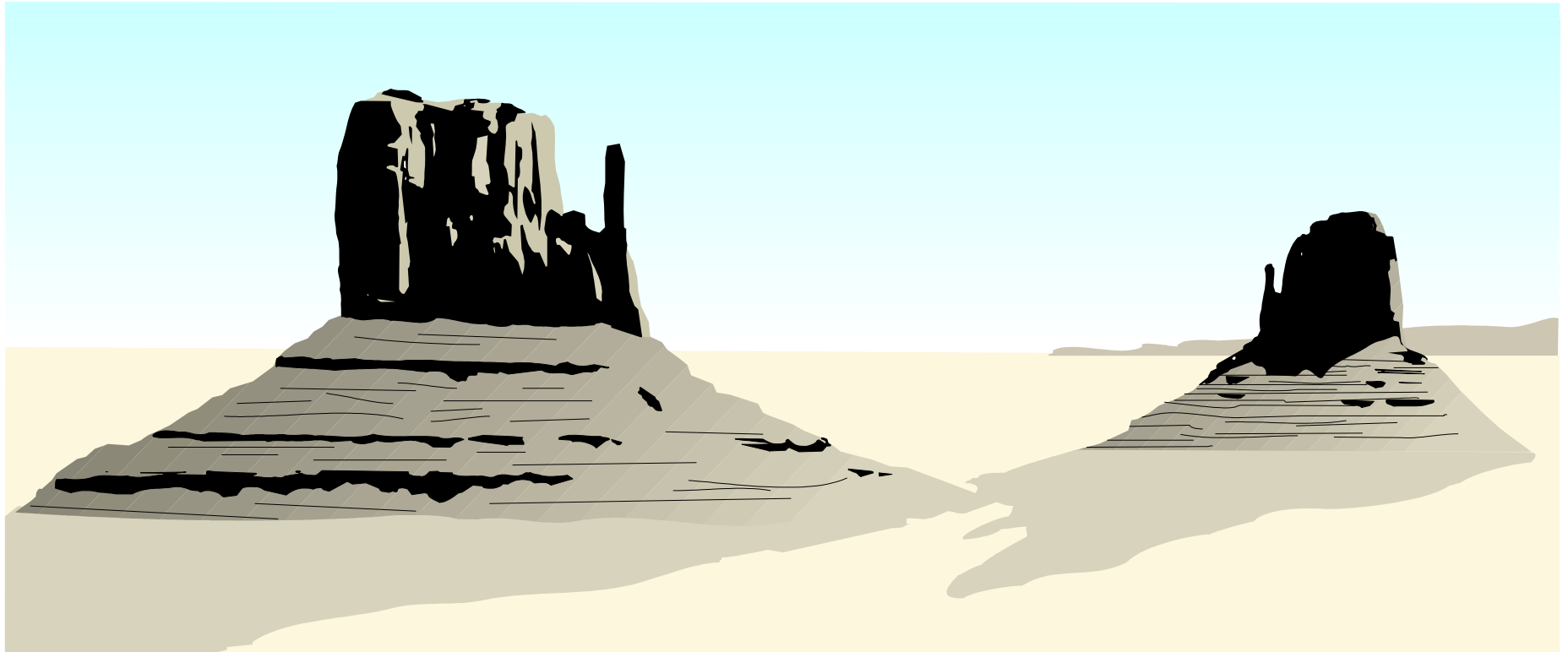
II.

COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO SELECTED HEALTH OBJECTIVES FOR THE YEAR 2016

**COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO
SELECTED HEALTH OBJECTIVES FOR THE YEAR 2016**

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		Year										
		2010	2020	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
2.1	Percent of American Indian women giving birth who received early prenatal care	90.0	77.9	65.9	65.9	65.1	66.0	69.4	68.6	68.2	68.7	58.4	58.5	60.7
2.2	Number of infant deaths per 1,000 American Indian live births (6 per 1,000)	6.0	6.0	6.4	8.1	8.2	8.4	8.1	7.4	7.4	6.6	8.7	7.8	8.3
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	2.4	3.9	3.6	4.2	4.3	4.1	3.6	2.9	3.7	4.6	4.2
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	97.2	95.0	92.6	92.6	99.2	100.6	94.8	104.5	85.4	139.0	139.1
2.5	Number of deaths caused by motor vehicle crashes per 100,000 American Indian population ^a (16 per 100,000); (12.4 per 100,000)	16.0	12.4	56.9	49.0	41.9	36.9	41.7	44.2	37.8	31.7	35.6	54.3	52.2
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	13.7	9.8	13.5	15.9	18.7	14.9	17.9	21.9	13.9	19.0	24.2
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	13.2	13.1	12.8	13.2	18.0	11.9	17.3	17.7	7.3	15.7	17.6
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	100.2	107.2	108.1	111.4	130.4	105.3	155.7	146.4	129.5	171.0	175.3
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	43.6	36.8	40.7	54.0	64.6	43.6	59.2	62.0	52.7	77.6	85.9
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	5.8	2.3	4.8	4.1	3.0	3.1	2.8	2.0	0.0	1.9	1.9

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



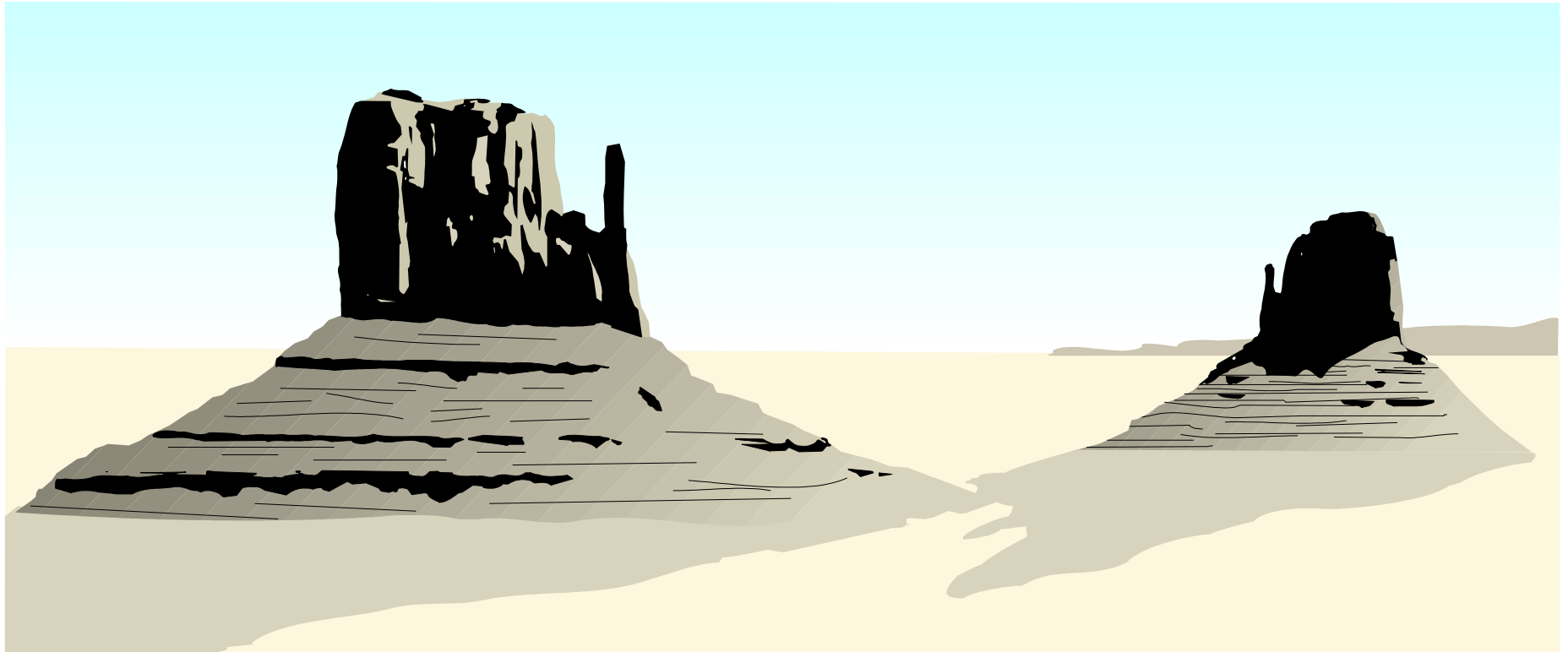
III.

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

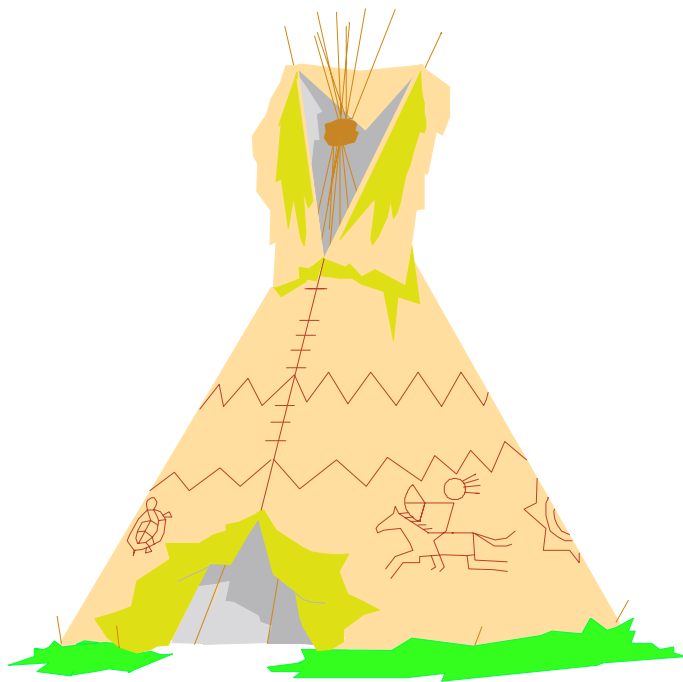
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<i>Median Age at Death from all Causes</i>											
All Arizonans	76.0	76.0	77.0	76.0	77.0	77.0	77.0	76.0	76.0	76.0	76.0
American Indians	57.0	59.0	59.0	59.0	58.0	60.0	59.0	60.0	61.0	60.0	60.0
<i>Births to Unmarried Mothers^a</i>											
All Arizonans	43.9	45.0	45.1	45.2	44.7	44.3	45.2	45.1	44.7	45.3	44.8
American Indians	74.8	75.9	75.8	76.9	77.7	77.1	78.5	79.2	78.9	79.6	78.1
<i>Incidence of Gonorrhea^b</i>											
All Arizonans	95.3	78.7	52.8	49.3	50.8	71.4	89.4	98.2	112.2	122.4	151.3
American Indians	125.7	94.4	73.3	50.0	85.1	162.8	185.7	224.6	206.5	183.3	229.0
<i>Low-Birthweight Births^a</i>											
All Arizonans	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.9	7.0	7.2	7.3
American Indians	7.4	6.6	6.7	6.4	7.0	6.9	6.7	7.2	6.1	7.3	7.2
<i>Births to Teenage Mothers^a</i>											
All Arizonans	12.7	12.6	12.3	11.8	10.8	9.9	9.5	8.5	7.6	6.9	6.4
American Indians	19.1	20.1	18.6	19.0	17.0	16.9	16.0	14.2	11.7	11.4	10.7
<i>Congenital Anomalies (Birth Defects)^a</i>											
All Arizonans	0.9	0.8	0.9	0.6	0.6	1.1	0.8	0.7	0.5	0.4	0.5
American Indians	1.2	1.4	0.9	0.8	0.6	1.4	0.9	0.8	0.8	0.9	1.2
<i>Gestational Hypertension^c</i>											
All Arizonans	28.8	31.0	35.3	36.1	39.1	41.9	45.2	55.8	52.4	59.9	62.4
American Indians	58.8	57.9	58.9	55.4	61.2	62.8	64.6	74.1	85.9	102.7	104.5
<i>Gestational Diabetes^c</i>											
All Arizonans	31.6	34.3	38.9	38.7	41.8	46.4	51.2	57.2	61.3	75.5	76.0
American Indians	72.0	80.4	82.0	82.2	77.9	93.3	99.3	111.4	121.5	144.7	146.4

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 2016



SOCIODEMOGRAPHIC CHARACTERISTICS

**4.1
MATERNAL AGE (2016 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		5,030†	10†	170†	360†	1,390†	1,530†	980†	480†	100†	0†
Resided on reservation	Ak-Chin Indian Community	10†	0	*	*	*	*	*	0	0	0
	Cocopah Tribe	10†	0	*	0	*	*	*	*	0	0
	Colorado River Indian Tribe	20†	0	0	*	6	*	*	*	0	0
	Fort McDowell Yavapai Nation Reservation	20†	0	0	*	*	6	*	*	0	0
	Fort Mohave Indian Tribe	10†	0	0	0	0	*	*	*	0	0
	Gila River Indian Community	210†	*	8	13	54	75	38	18	*	0
	Havasupai Tribe	10†	0	0	0	7	*	*	*	*	0
	Hopi Tribe	90†	0	*	*	20	24	21	15	*	0
	Hualapai Tribe	20†	0	*	*	6	11	*	*	0	0
	Navajo Nation	1,210†	*	47	95	316	340	245	115	41	*
	Pascua Yaqui Tribe	20†	0	*	*	*	7	*	0	0	0
	Salt River Pima-Maricopa Indian Community	100†	0	*	8	29	38	13	9	*	0
	San Carlos Apache Tribe	280†	*	15	20	83	90	41	23	*	0
	Tohono O'Odham Nation	140†	0	7	14	41	45	22	12	*	0
	White Mountain Apache Tribe	310†	0	13	28	86	104	52	19	*	*
	Yavapai-Apache Nation	10†	0	*	0	*	*	0	*	0	0
Yavapai-Prescott Indian Tribe	0†	0	0	0	*	0	0	0	0	0	
	TOTAL	2,460†	10†	100†	190†	670†	760†	450†	220†	60†	0†
Resided off reservation	---in Maricopa County	1,349	0	28	88	390	398	279	144	22	0
	---in Pima County	330†	*	10	25	106	97	60	30	*	0
	---in Coconino County	300†	0	*	20	76	97	74	28	*	0
	---elsewhere in Arizona	584	0	24	38	153	173	117	61	18	0
	TOTAL	2,570†	0†	70†	171	725	765	530	263	50†	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.

4.2
EDUCATIONAL ATTAINMENT OF MOTHER (2016 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		5,030†	100†	1,240†	1,680†	1,400†	340†	180†	70†	20†
Resided on reservation	Ak-Chin Indian Community	10†	*	9	*	*	0	0	0	0
	Cocopah Tribe	10†	*	6	*	0	0	0	0	0
	Colorado River Indian Tribe	20†	0	6	*	*	*	0	*	0
	Fort McDowell Yavapai Nation Reservation	20†	0	*	6	*	*	0	0	0
	Fort Mohave Indian Tribe	10†	0	0	*	0	*	0	*	0
	Gila River Indian Community	210	9	99	66	28	7	0	0	*
	Havasupai Tribe	10†	0	10	*	*	0	0	0	0
	Hopi Tribe	90†	*	10	41	29	6	*	*	0
	Hualapai Tribe	20†	*	9	9	*	*	0	0	0
	Navajo Nation	1,205	14	203	402	414	110	42	15	*
	Pascua Yaqui Tribe	20†	0	7	6	*	0	0	0	0
	Salt River Pima-Maricopa Indian Community	100†	*	34	35	22	*	*	0	0
	San Carlos Apache Tribe	280†	7	95	118	45	6	*	*	*
	Tohono O'Odham Nation	140†	*	44	68	20	*	*	0	*
	White Mountain Apache Tribe	310†	6	100	123	63	11	*	0	*
	Yavapai-Apache Nation	10†	0	*	*	*	0	*	0	0
Yavapai-Prescott Indian Tribe	0†	0	0	*	0	0	0	0	0	
	TOTAL	2,460†	50†	640†	890†	640†	150†	60†	20†	10†
Resided off reservation	---in Maricopa County	1,349	28	304	373	428	108	77	27	*
	---in Pima County	332	11	107	103	78	11	12	9	*
	---in Coconino County	300†	*	51	117	74	35	21	*	0
	---elsewhere in Arizona	584	11	138	195	177	37	15	10	*
		TOTAL	2,569	50†	600	788	757	191	125	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 (2016 STATUS)**

		TOTAL BIRTHS	Marital status		
			Married	Unmarried	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	1,050†	3,930†	50†
Resided on reservation	Ak-Chin Indian Community	10†	*	9	0
	Cocopah Tribe	10†	*	6	*
	Colorado River Indian Tribe	20†	0	16	*
	Fort McDowell Yavapai Nation Reservation	20†	*	14	0
	Fort Mohave Indian Tribe	10†	*	*	0
	Gila River Indian Community	210†	20	188	*
	Havasupai Tribe	14	0	14	0
	Hopi Tribe	90†	13	78	*
	Hualapai Tribe	20†	*	21	*
	Navajo Nation	1,205	238	953	14
	Pascua Yaqui Tribe	16	0	16	0
	Salt River Pima-Maricopa Indian Community	99	16	83	0
	San Carlos Apache Tribe	280†	48	227	*
	Tohono O'Odham Nation	140†	13	129	*
	White Mountain Apache Tribe	310†	81	226	*
	Yavapai-Apache Nation	10†	*	*	0
	Yavapai-Prescott Indian Tribe	0†	*	0	0
		TOTAL	2,460†	450†	1,990†
Resided off reservation	---in Maricopa County	1,349	313	1,019	17
	---in Pima County	330†	58	272	*
	---in Coconino County	300†	87	215	*
	---elsewhere in Arizona	584	143	433	8
		TOTAL	2,569	601	1,939

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 (2016 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		5,030†	1,380†	590†	110†	2,920†	30†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	*	*	0
	Cocopah Tribe	10†	6	*	0	*	0
	Colorado River Indian Tribe	20†	10	*	0	*	0
	Fort McDowell Yavapai Nation Reservation	20†	*	*	*	9	0
	Fort Mohave Indian Tribe	10†	*	*	0	*	0
	Gila River Indian Community	210†	66	18	*	123	*
	Havasupai Tribe	10†	8	*	0	*	0
	Hopi Tribe	92	14	0	0	78	0
	Hualapai Tribe	24	7	0	0	17	0
	Navajo Nation	1,210†	224	10	7	961	*
	Pascua Yaqui Tribe	20†	6	0	*	7	0
	Salt River Pima-Maricopa Indian Community	99	33	9	0	57	0
	San Carlos Apache Tribe	280†	95	*	*	178	0
	Tohono O'Odham Nation	140†	48	*	0	93	0
	White Mountain Apache Tribe	310†	70	*	*	231	0
	Yavapai-Apache Nation	10†	*	0	0	*	0
Yavapai-Prescott Indian Tribe	0†	*	0	0	0	0	
	TOTAL	2,460†	610†	60†	20†	1,780†	0†
Resided off reservation	---in Maricopa County	1,349	417	325	68	521	18
	---in Pima County	330†	105	87	12	126	*
	---in Coconino County	300†	90	13	*	198	*
	---elsewhere in Arizona	584	162	109	10	297	6
	TOTAL	2,569	774	534	90†	1,142	30†

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

**4.5
AGE OF FATHER (2016 STATUS)**

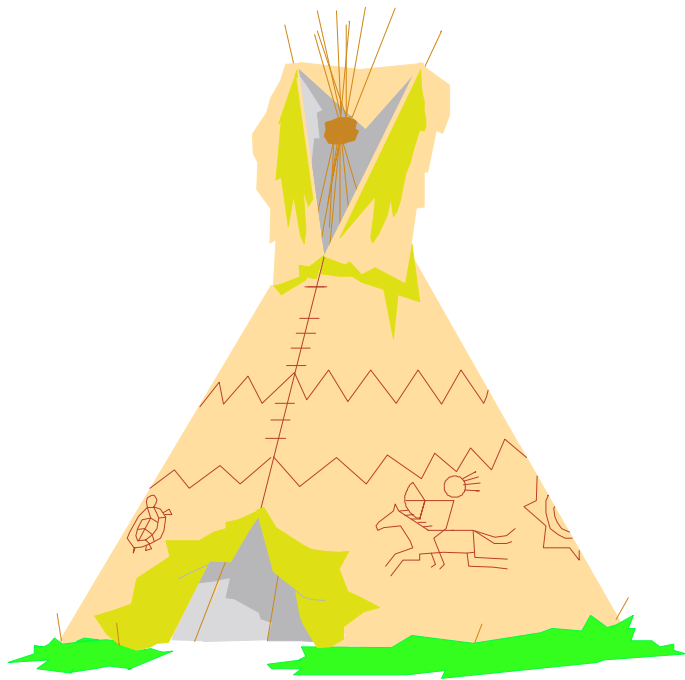
		TOTAL BIRTHS	Father's age group											
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	0†	70†	190†	950†	1,120†	850†	510†	230†	80†	30†	10†	990†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	*	*	*	*	0	*	0	0	0	*
	Cocopah Tribe	10†	0	0	0	0	*	*	*	*	0	0	0	*
	Colorado River Indian Tribe	20†	0	0	0	*	*	*	*	0	0	0	0	8
	Fort McDowell Yavapai Nation Reservation	20†	0	0	*	*	*	*	*	*	0	0	0	*
	Fort Mohave Indian Tribe	10†	0	0	0	*	*	*	*	0	0	0	0	0
	Gila River Indian Community	210	0	6	9	46	37	21	16	6	8	0	0	61
	Havasupai Tribe	10†	0	0	0	0	*	0	*	*	*	0	0	8
	Hopi Tribe	90†	0	*	*	12	27	15	13	*	*	*	0	13
	Kaibab Indian Reservation	20†	0	0	*	*	*	*	0	*	*	*	0	7
	Navajo Nation	1,210†	0	18	45	242	269	193	139	66	24	10	*	196
	Pascua Yaqui Tribe	20†	0	0	*	*	*	*	*	0	0	0	0	*
	Salt River Pima-Maricopa Indian Community	100†	*	*	*	25	23	10	*	*	0	0	*	24
	San Carlos Apache Tribe	280†	0	*	13	51	61	37	13	8	0	*	0	91
	Tohono O'Odham Nation	310†	0	*	11	62	80	46	32	7	*	*	0	62
	White Mountain Apache Tribe	140†	0	*	7	16	25	24	8	8	*	*	0	47
	Yavapai-Apache Nation	10†	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	2,460†	0†	40†	100†	470†	550†	360†	240†	110†	40†	20†	0†	540†	
Resided off reservation	---in Maricopa County	1,350†	0	17	51	239	299	261	148	63	21	*	*	244
	---in Pima County	330†	0	*	17	68	63	52	38	11	6	*	*	68
	---in Coconino County	300†	0	*	*	52	68	82	32	8	*	*	0	51
	---elsewhere in Arizona	580†	0	12	22	116	136	96	54	35	12	*	*	94
	TOTAL	2,570†	0	40†	90†	475	566	491	272	117	40†	20†	10†	457

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 (2016 STATUS)

		TOTAL BIRTHS	Payee for births				
			AHCCCS ^a	IHS	Private insurance	Self	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	3,440†	900†	610†	80†	10†
Resided on reservation	Ak-Chin Indian Community	10†	8	*	*	0	0
	Cocopah Tribe	10†	*	6	*	0	0
	Colorado River Indian Tribe	20†	9	6	*	0	0
	Fort McDowell Yavapai Nation Reservation	20†	7	*	9	0	0
	Fort Mohave Indian Tribe	10†	*	*	*	0	0
	Gila River Indian Community	210†	104	80	23	*	0
	Havasupai Tribe	10†	10	*	*	0	0
	Hopi Tribe	92	74	8	10	0	0
	Hualapai Tribe	20†	16	7	*	0	0
	Navajo Nation	1,205	937	170	79	17	*
	Pascua Yaqui Tribe	20†	10	*	*	0	0
	Salt River Pima-Maricopa Indian Community	100†	65	19	13	*	*
	San Carlos Apache Tribe	280†	142	115	18	*	0
	Tohono O'Odham Nation	140†	39	79	22	*	0
	White Mountain Apache Tribe	308	276	13	13	6	0
	Yavapai-Apache Nation	7	7	0	0	0	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0	0	0
TOTAL	2,460†	1,710†	520†	200†	30†	0†	
Resided off reservation	---in Maricopa County	1,349	959	134	230	23	*
	---in Pima County	330†	163	115	49	*	0
	---in Coconino County	300†	236	19	47	*	0
	---elsewhere in Arizona	584	368	115	82	19	0
	TOTAL	2,569	1,726	383	408	50†	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 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 (2016 STATUS)

		TOTAL BIRTHS	Weight gain			
			Inadequate	Appropriate	Excessive	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	1,100†	1,430†	2,470†	30†
Resided on reservation	Ak-Chin Indian Community	10†	0	*	8	*
	Cocopah Tribe	10†	*	*	*	0
	Colorado River Indian Tribe	20†	*	*	7	*
	Fort McDowell Yavapai Nation Reservation	20†	*	*	10	0
	Fort Mohave Indian Tribe	10†	*	*	*	0
	Gila River Indian Community	210	36	47	127	0
	Havasupai Tribe	10†	*	*	*	0
	Hopi Tribe	92	20	35	37	0
	Hualapai Tribe	20†	7	*	13	0
	Navajo Nation	1,205	300	368	531	6
	Pascua Yaqui Tribe	16	0	7	9	0
	Salt River Pima-Maricopa Indian Community	100†	17	19	61	*
	San Carlos Apache Tribe	280†	60	68	148	*
	Tohono O'Odham Nation	140†	36	38	68	*
	White Mountain Apache Tribe	310†	67	77	161	*
	Yavapai-Apache Nation	10†	*	*	*	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0	0
	TOTAL	2,460†	560†	690†	1,190†	20†
Resided off reservation	---in Maricopa County	1,349	302	398	643	6
	---in Pima County	330†	69	93	167	*
	---in Coconino County	304	56	80	168	0
	---elsewhere in Arizona	580†	113	169	298	*
		TOTAL	2,569	540	740	1,276

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 (2016 STATUS)

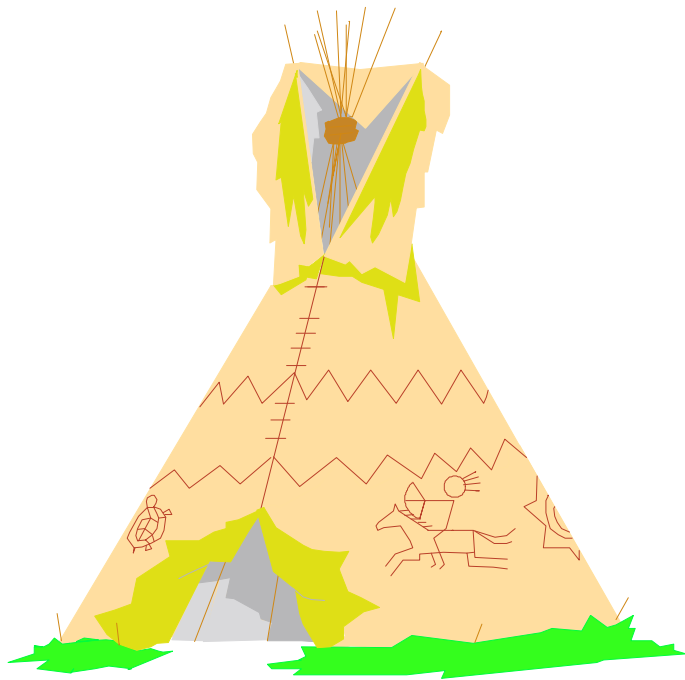
		TOTAL BIRTHS	Births with medical risk factors	Medical risk factors ^a											
				Pre-existing diabetes	Gestational diabetes	Pre-existing hypertension	Gestational hypertension	Eclampsia	Previous preterm birth	Other previous poor pregnancy outcome	Gonorrhea	Syphilis	Chlamydia	Hepatitis B	Hepatitis C
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	1,780	158	740	66	528	23	220	91	27	10†	349	0†	24
Resided on reservation	Ak-Chin Indian Community	13	10†	0	*	0	*	0	*	0	0	0	0	0	0
	Cocopah Tribe	10	0†	*	*	*	*	0	*	0	0	0	0	0	0
	Colorado River Indian Tribe	17	10†	0	*	0	*	0	0	*	0	0	*	0	0
	Fort McDowell Yavapai Nation Reservation	17	10†	0	*	0	*	0	0	0	0	0	*	0	0
	Fort Mohave Indian Tribe	7	0†	0	0	0	*	0	0	0	0	0	0	0	*
	Gila River Indian Community	210	80†	14	31	*	26	*	*	0	*	*	9	0	7
	Havasupai Tribe	14	10†	*	0	*	*	0	0	0	0	0	0	0	0
	Hopi Tribe	92	40†	*	12	*	13	0	*	*	*	*	13	0	0
	Hualapai Tribe	24	0†	*	0	*	*	0	0	0	0	0	0	0	0
	Navajo Nation	1,205	463	36	185	19	137	8	48	36	9	0	119	0	0
	Pascua Yaqui Tribe	16	10†	0	*	0	*	0	*	0	0	0	*	*	0
	Salt River Pima-Maricopa Indian Community	99	40†	*	17	*	12	0	0	*	0	0	*	0	*
	San Carlos Apache Tribe	278	80†	*	22	0	30	*	*	*	*	*	22	0	0
	Tohono O'Odham Nation	143	60†	10	18	*	21	0	8	*	0	*	10	0	*
	White Mountain Apache Tribe	308	120†	*	48	0	41	0	35	11	*	0	21	0	*
Yavapai-Apache Nation	7	0	0	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	
	TOTAL	2,460†	920†	80†	350†	30†	290†	10†	110†	60†	20†	10†	200†	0†	10†
Resided off reservation	---in Maricopa County	1,349	470†	44	229	24	123	*	47	13	7	*	72	*	*
	---in Pima County	332	120†	7	41	*	35	*	30	11	*	*	16	0	*
	---in Coconino County	304	90†	*	44	*	27	*	9	*	0	0	15	0	*
	---elsewhere in Arizona	584	190†	20	79	*	51	*	24	9	*	*	42	0	*
		TOTAL	2,569	862	80†	393	40†	236	10†	110	40†	10†	0†	145	0†

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

**4.9
SMOKING DURING PREGNANCY (2016 STATUS)**

		TOTAL BIRTHS	Smoking during pregnancy			
			Non Smoker	Light Smoker	Heavy Smoker	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	4,730†	150†	30†	120†
Resided on reservation	Ak-Chin Indian Community	10†	11	*	0	0
	Cocopah Tribe	10†	9	*	0	0
	Colorado River Indian Tribe	20†	15	*	0	*
	Fort McDowell Yavapai Nation Reservation	17	17	0	0	0
	Fort Mohave Indian Tribe	7	7	0	0	0
	Gila River Indian Community	210†	195	11	*	0
	Havasupai Tribe	14	14	0	0	0
	Hopi Tribe	90†	91	*	0	0
	Hualapai Tribe	20†	22	*	0	0
	Navajo Nation	1,210†	1,083	24	*	93
	Pascua Yaqui Tribe	16	16	0	0	0
	Salt River Pima-Maricopa Indian Community	100†	90	*	*	*
	San Carlos Apache Tribe	280†	261	13	*	*
	Tohono O'Odham Nation	140†	139	*	0	*
	White Mountain Apache Tribe	310†	282	24	*	0
	Yavapai-Apache Nation	10†	6	*	0	0
	Yavapai-Prescott Indian Tribe	0†	*	0	0	0
	TOTAL	2,460†	2,260†	90†	20†	100†
Resided off reservation	---in Maricopa County	1,350†	1,310	25	9	*
	---in Pima County	330†	321	9	*	0
	---in Coconino County	300†	301	*	*	*
	---elsewhere in Arizona	580†	539	27	*	14
		TOTAL	2,569	2,471	60†	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 (2016 STATUS)

		TOTAL BIRTHS	Prenatal care				
			No care	1st trimester	2nd trimester	3rd trimester	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	200†	3,050†	1,180†	410†	180†
Resided on reservation	Ak-Chin Indian Community	10†	*	8	*	0	0
	Cocopah Tribe	10†	*	*	*	*	0
	Colorado River Indian Tribe	20†	0	*	*	*	9
	Fort McDowell Yavapai Nation Reservation	20†	0	11	*	0	*
	Fort Mohave Indian Tribe	10†	0	*	*	0	0
	Gila River Indian Community	210	6	140	36	17	11
	Havasupai Tribe	10†	*	*	7	0	0
	Hopi Tribe	90†	*	60	24	6	*
	Hualapai Tribe	20†	*	12	*	7	0
	Navajo Nation	1,205	25	822	260	70	28
	Pascua Yaqui Tribe	20†	*	11	*	0	0
	Salt River Pima-Maricopa Indian Community	99	9	54	18	13	*
	San Carlos Apache Tribe	278	35	85	79	62	17
	Tohono O'Odham Nation	143	9	79	39	14	*
	White Mountain Apache Tribe	308	15	151	104	37	*
	Yavapai-Apache Nation	10†	0	*	*	*	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0	0	0
TOTAL	2,460†	110†	1,450†	600†	230†	80†	
Resided off reservation	---in Maricopa County	1,349	40	847	317	85	60
	---in Pima County	332	35	182	82	27	6
	---in Coconino County	300†	*	214	55	19	11
	---elsewhere in Arizona	584	17	359	130	49	29
	TOTAL	2,569	100†	1,602	584	180	106

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 (2016 STATUS)**

		TOTAL BIRTHS	Prenatal visits					
			No visits	1-4 visits	5-8 visits	9-12 visits	13+ visits	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	200†	550†	1,210†	2,060†	960†	60†
Resided on reservation	Ak-Chin Indian Community	10†	*	0	6	*	*	0
	Cocopah Tribe	10†	*	*	*	*	*	0
	Colorado River Indian Tribe	20†	0	*	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	20†	0	*	*	6	*	*
	Fort Mohave Indian Tribe	10†	0	*	*	*	*	0
	Gila River Indian Community	210	6	19	39	103	40	*
	Havasupai Tribe	10†	*	*	6	*	0	0
	Hopi Tribe	90†	*	8	24	31	27	*
	Hualapai Tribe	20†	*	6	6	8	*	0
	Navajo Nation	1,205	25	96	255	525	290	14
	Pascua Yaqui Tribe	20†	*	0	7	*	*	0
	Salt River Pima-Maricopa Indian Community	99	9	11	24	30	21	*
	San Carlos Apache Tribe	278	35	93	63	59	25	*
	Tohono O'Odham Nation	143	9	23	46	54	11	0
	White Mountain Apache Tribe	308	15	50	118	104	20	*
	Yavapai-Apache Nation	10†	0	*	*	*	0	0
Yavapai-Prescott Indian Tribe	0†	0	0	0	*	0	0	
	TOTAL	2,460†	110†	320†	610†	940†	450†	30†
Resided off reservation	---in Maricopa County	1,349	40	112	316	634	230	17
	---in Pima County	332	35	54	90	109	43	*
	---in Coconino County	300†	*	23	58	138	77	*
	---elsewhere in Arizona	584	17	47	133	231	151	*
		TOTAL	2,569	100†	236	597	1,112	501

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 (2016 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		5,030†	2,260†	1,350†	1,170†	10†	30†	10†	20†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	0	0	0	0	0
	Cocopah Tribe	10†	*	*	*	0	0	0	0
	Colorado River Indian Tribe	20†	*	*	*	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	20†	6	6	*	0	0	0	0
	Fort Mohave Indian Tribe	10†	6	*	*	0	0	0	0
	Gila River Indian Community	210†	68	50	34	*	0	0	0
	Havasupai Tribe	10†	6	*	*	0	0	0	0
	Hopi Tribe	90†	45	31	18	0	*	0	*
	Hualapai Tribe	20†	7	*	*	0	0	0	0
	Navajo Nation	1,210†	490	324	202	*	6	*	9
	Pascua Yaqui Tribe	20†	13	*	8	0	*	0	0
	Salt River Pima-Maricopa Indian Community	99	35	24	18	0	0	0	0
	San Carlos Apache Tribe	280†	123	53	84	0	*	0	*
	Tohono O'Odham Nation	140†	104	38	69	*	*	0	0
	White Mountain Apache Tribe	310†	152	73	77	0	*	*	0
	Yavapai-Apache Nation	10†	*	*	*	0	0	0	0
Yavapai-Prescott Indian Tribe	1	0	0	0	0	0	0	0	
	TOTAL	2,460†	1,060†	620†	520†	0†	20†	0†	10†
Resided off reservation	---in Maricopa County	1,350†	555	357	283	*	*	*	*
	---in Pima County	330†	244	109	153	*	6	0	0
	---in Coconino County	304	131	99	61	0	0	0	0
	---elsewhere in Arizona	580†	264	159	144	*	*	*	*
		TOTAL	2,570†	1,194	724	641	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 (2016 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		5,030†	1,480†	310†	310†	160†	180†	90†	340†	310†	70†	30†	0†	10†	20†	30†
Resided on reservation	Ak-Chin Indian Community	13	0†	0	0	0	0	0	*	0	0	0	0	0	0	0
	Cocopah Tribe	10	10†	*	0	0	0	0	*	*	0	0	0	0	0	0
	Colorado River Indian Tribe	17	0†	0	*	0	*	0	*	*	0	0	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	17	0†	*	*	*	*	0	0	0	0	0	0	0	0	0
	Fort Mohave Indian Tribe	7	0†	0	0	0	*	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	210	70†	*	13	0	9	*	32	15	0	0	0	0	0	0
	Havasupai Tribe	14	0†	0	0	0	0	0	*	*	0	0	0	0	0	0
	Hopi Tribe	92	30†	6	*	*	*	0	8	14	*	*	0	0	0	*
	Hualapai Tribe	24	10†	0	0	0	*	0	7	*	0	0	0	0	0	0
	Navajo Nation	1,205	350†	93	93	30	47	20	57	63	16	8	0	*	9	7
	Pascua Yaqui Tribe	16	10†	*	0	0	*	0	*	*	0	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	99	20†	*	*	*	*	*	*	*	*	*	0	0	0	*
	San Carlos Apache Tribe	278	100†	16	34	*	8	*	18	23	15	*	0	0	*	0
	Tohono O'Odham Nation		40†	10	9	*	*	*	15	6	0	0	0	0	0	0
	White Mountain Apache Tribe	308	90†	9	22	26	18	*	20	6	6	*	0	*	0	*
	Yavapai-Apache Nation	7	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	2,460†	730†	150†	180†	70†	100†	40†	170†	140†	40†	10†	0†	10†	10†	10†
Resided off reservation	---in Maricopa County	1,349	100†	93	61	57	41	36	95	117	10	*	0	*	*	*
	---in Pima County	332	70†	29	31	8	8	8	26	6	*	*	*	0	0	*
	---in Coconino County	304	160†	19	8	13	12	*	*	11	0	*	0	0	*	*
	---elsewhere in Arizona	584	730†	27	26	11	25	11	44	37	12	*	0	*	0	*
		TOTAL	2,569	747	168	126	89	86	60†	170†	171	30†	10†	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 (2016 STATUS)**

		TOTAL BIRTHS	Method of delivery ^a			
			Vaginal	C-Section	Forceps	Vacuum
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	3,770†	1,180†	20†	60†
Resided on reservation	Ak-Chin Indian Community	13	9	*	0	0
	Cocopah Tribe	10	*	7	0	0
	Colorado River Indian Tribe	17	13	*	0	0
	Fort McDowell Yavapai Nation Reservation	17	12	*	0	0
	Fort Mohave Indian Tribe	7	*	*	0	0
	Gila River Indian Community	210	141	66	*	*
	Havasupai Tribe	14	10	*	0	0
	Hopi Tribe	92	75	16	*	0
	Hualapai Tribe	24	16	7	*	0
	Navajo Nation	1,205	1,020	173	*	9
	Pascua Yaqui Tribe	16	14	*	0	0
	Salt River Pima-Maricopa Indian Community	99	65	34	0	0
	San Carlos Apache Tribe	278	192	76	*	7
	Tohono O'Odham Nation	143	115	25	0	*
	White Mountain Apache Tribe	308	218	76	0	14
	Yavapai-Apache Nation	7	*	*	0	0
	Yavapai-Prescott Indian Tribe	*	0	*	0	0
	TOTAL	2,460†	1,910†	500†	10†	40†
Resided off reservation	---in Maricopa County	1,349	951	388	*	8
	---in Pima County	332	265	60	*	6
	---in Coconino County	304	235	67	*	*
	---elsewhere in Arizona	584	408	164	*	9
		TOTAL	2,569	1,859	679	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 (2016 STATUS)**

		TOTAL BIRTHS	M.D.	C.N.M / C.M.	Hospital admin	Midwife	D.O.	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	2,990†	490†	1,390†	0†	0	150†
Resided on reservation	Ak-Chin Indian Community	10†	*	8	0	0	0	0
	Cocopah Tribe	10†	9	0	*	0	0	0
	Colorado River Indian Tribe	20†	15	*	*	0	0	0
	Fort McDowell Yavapai Nation Reservation	20†	13	*	*	0	0	0
	Fort Mohave Indian Tribe	7	7	0	0	0	0	0
	Gila River Indian Community	210†	163	42	*	0	0	0
	Havasupai Tribe	10†	9	*	*	0	0	0
	Hopi Tribe	90†	43	*	44	0	0	*
	Hualapai Tribe	20†	11	12	*	0	0	0
	Navajo Nation	1,205	277	33	797	0	0	98
	Pascua Yaqui Tribe	20†	12	0	*	0	0	0
	Salt River Pima-Maricopa Indian Community	100†	79	*	16	0	0	*
	San Carlos Apache Tribe	280†	248	27	*	0	0	*
	Tohono O'Odham Nation	140†	140	*	*	0	0	0
	White Mountain Apache Tribe	308	161	136	0	0	0	11
	Yavapai-Apache Nation	10†	6	0	*	0	0	0
	Yavapai-Prescott Indian Tribe	0†	*	0	0	0	0	0
	TOTAL	2,460†	1,200†	270†	880†	0	0	110†
Resided off reservation	---in Maricopa County	1,349	890	121	326	0	0	12
	---in Pima County	332	278	8	46	0	0	0
	---in Coconino County	300†	215	6	80	0	0	*
	---elsewhere in Arizona	580†	412	86	62	*	0	22
		TOTAL	2,570†	1,795	221	514	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.



Newborn's Health

**4.16
GESTATIONAL AGE (2016 STATUS)**

		TOTAL BIRTHS	Length of gestation			
			<37 weeks	37-41 weeks	42+ weeks	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	500†	4,490†	20†	20†
Resided on reservation	Ak-Chin Indian Community	13	0	13	0	0
	Cocopah Tribe	10†	*	7	0	0
	Colorado River Indian Tribe	20†	*	14	0	*
	Fort McDowell Yavapai Nation Reservation	20†	*	16	0	0
	Fort Mohave Indian Tribe	7	0	7	0	0
	Gila River Indian Community	210	27	182	0	*
	Havasupai Tribe	10†	*	10	0	0
	Hopi Tribe	90†	10	79	*	*
	Hualapai Tribe	24	0	24	0	0
	Navajo Nation	1,210†	106	1,088	*	7
	Pascua Yaqui Tribe	20†	*	14	0	0
	Salt River Pima-Maricopa Indian Community	100†	9	89	*	0
	San Carlos Apache Tribe	280†	37	240	*	0
	Tohono O'Odham Nation	143	9	134	0	0
	White Mountain Apache Tribe	308	56	250	0	*
	Yavapai-Apache Nation	10†	*	*	0	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0	0
	TOTAL	1,350†	270†	2,170†	10†	10†
Resided off reservation	---in Maricopa County	1,349	125	1,210	9	*
	---in Pima County	330†	22	308	*	0
	---in Coconino County	304	27	276	0	*
	---elsewhere in Arizona	580†	55	524	*	*
	TOTAL	2,569	229	2,318	10†	10†

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

4.17
WEIGHT AT BIRTH (2016 STATUS)

		TOTAL BIRTHS	Weight at birth					Unknown
			<1,000 grams	1,000-1,499	1,500-2,499	2,500-3,999	4000+	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,030†	30†	40†	300†	4,180†	490†	0†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	*	10	*	0
	Cocopah Tribe	10†	*	0	*	7	*	0
	Colorado River Indian Tribe	20†	0	0	*	14	0	0
	Fort McDowell Yavapai Nation Reservation	20†	0	0	0	13	*	0
	Fort Mohave Indian Tribe	10†	0	0	0	*	*	0
	Gila River Indian Community	210†	*	*	10	165	31	0
	Havasupai Tribe	10†	0	*	*	12	0	0
	Hopi Tribe	90†	0	*	*	82	*	0
	Hualapai Tribe	20†	0	0	*	21	0	0
	Navajo Nation	1,210†	*	6	70	1,024	98	*
	Pascua Yaqui Tribe	20†	0	0	*	11	*	0
	Salt River Pima-Maricopa Indian Community	100†	0	*	7	79	12	0
	San Carlos Apache Tribe	280†	*	*	17	225	30	0
	Tohono O'Odham Nation	140†	0	*	6	128	7	0
	White Mountain Apache Tribe	310†	*	*	35	247	17	0
	Yavapai-Apache Nation	10†	0	0	*	6	0	0
	Yavapai-Prescott Indian Tribe	0†	0	0	0	*	0	0
	TOTAL	2,460†	20†	20†	160†	2,050†	210†	0†
Resided off reservation	---in Maricopa County	1,349	10	11	67	1,107	154	0
	---in Pima County	330†	*	*	15	276	38	0
	---in Coconino County	300†	0	*	23	251	29	0
	---elsewhere in Arizona	580†	*	*	31	495	55	0
		TOTAL	2,569	10†	20†	136	2,129	276

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 (2016 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		5,030†	262	170†	80†	20†	130†	0	10†
Resided on reservation	Ak-Chin Indian Community	13	0	0	0	0	0	0	0
	Cocopah Tribe	10	*	*	*	*	*	0	0
	Colorado River Indian Tribe	17	*	*	0	0	0	0	0
	Fort McDowell Yavapai Nation Reservation	17	*	*	0	0	0	0	0
	Fort Mohave Indian Tribe	7	0	0	0	0	0	0	0
	Gila River Indian Community	210	25	14	7	*	16	0	*
	Havasupai Tribe	14	*	*	*	0	*	0	0
	Hopi Tribe	92	*	*	*	0	*	0	*
	Hualapai Tribe	24	*	*	0	0	0	0	0
	Navajo Nation	1,205	36	22	7	0	12	0	*
	Pascua Yaqui Tribe	16	0	0	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	99	*	*	*	0	*	0	0
	San Carlos Apache Tribe	278	14	8	*	*	8	0	0
	Tohono O'Odham Nation	143	*	*	*	0	*	0	0
	White Mountain Apache Tribe	308	37	24	12	*	17	0	0
	Yavapai-Apache Nation	7	*	*	*	0	0	0	0
	Yavapai-Prescott Indian Tribe	*	0	0	0	0	0	0	0
	TOTAL	1,350†	140†	90†	40†	10†	60†	0	0†
Resided off reservation	---in Maricopa County	332	67	39	28	10	39	0	*
	---in Pima County	304	6	*	*	0	*	0	0
	---in Coconino County	584	9	*	0	0	8	0	0
	---elsewhere in Arizona	2,461	43	31	*	*	13	0	*
		TOTAL	2,569	125	80†	40†	10†	70†	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 (2016 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		5,030	58	0	0†	0†	0†	0†	0†	0†	20†	0†	0†	30†
Resided on reservation	Ak-Chin Indian Community	13	0	0	0	0	0	0	0	0	0	0	0	0
	Cocopah Tribe	10	0	0	0	0	0	0	0	0	0	0	0	0
	Colorado River Indian Tribe	17	*	0	0	0	0	0	0	0	0	0	0	*
	Fort McDowell Yavapai Nation Reservation	17	*	0	0	0	0	0	0	0	0	0	0	*
	Fort Mohave Indian Tribe	7	0	0	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	210	*	0	0	0	0	*	0	0	*	0	0	0
	Havasupai Tribe	14	*	0	0	0	0	0	0	0	0	0	0	*
	Hopi Tribe	92	0	0	0	0	0	0	0	0	0	0	0	0
	Hualapai Tribe	24	*	0	0	*	0	0	0	0	0	0	0	0
	Navajo Nation	1,205	23	0	0	*	*	0	0	8	0	0	*	12
	Pascua Yaqui Tribe	16	0	0	0	0	0	0	0	0	0	0	0	0
	Salt River Pima-Maricopa Indian Community	99	*	0	0	0	0	0	*	0	0	0	0	*
	San Carlos Apache Tribe	278	*	0	0	0	0	0	0	*	0	0	0	*
	Tohono O'Odham Nation	143	*	0	0	0	0	0	0	*	0	0	0	0
	White Mountain Apache Tribe	308	*	0	*	0	0	0	0	0	*	0	0	*
	Yavapai-Apache Nation	7	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	
	TOTAL	2,460†	40†	0	0†	0†	0†	0†	0†	10†	0†	0	0†	20†
Resided off reservation	---in Maricopa County	1,349	9	0	*	*	0	0	0	*	0	0	0	*
	---in Pima County	332	*	0	0	*	0	0	0	*	0	0	0	0
	---in Coconino County	304	*	0	0	0	0	0	0	*	0	0	0	*
	---elsewhere in Arizona	584	*	0	0	0	0	0	0	*	0	0	0	*
		TOTAL	2,569	20†	0	0†	0†	0	0	0	10†	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a 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, 2016

	TOTAL STATE	Resided on reservation							Resided off reservation				
		Gila River Indian Community	Havasupai Tribe	Navajo Nation	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Total, all causes	42	0†	0†	10†	0†	1	0†	20†	10†	0†	0†	10†	20†
Certain conditions originating in the perinatal period	13	0	0	*	*	0	0	10†	*	*	0	*	10†
Maternal complications	0†	0	0	0	*	0	0	0†	0	0	0	0	0
Complications of placenta, cord and membrane	0†	0	0	*	0	0	0	0†	0	0	0	0	0
Short gestation and low birth weight	10†	0	0	*	0	0	0	0†	*	0	0	*	10†
Bacterial sepsis of newborn	0	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations	10†	*	0	*	0	0	*	10†	*	0	*	*	10†
of heart	10†	*	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	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	0†	0	0	*	0	0	0	0†	0	0	0	0	0
Diseases of the nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0
Mechanical suffocation	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.

4.21
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2016

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total births		5,030	730+	10+	630+	200+	120+	0+	60+	1,512	70+	820+	490+	330+	0	40+	0	0
Mother's age group	<15	10+	*	0	*	*	*	0	0	0	0	0	*	*	0	0	0	0
	15-17	170+	23	0	19	17	*	0	*	32	*	34	18	12	0	*	*	0
	18-19	360+	56	0	48	14	8	0	*	101	*	63	41	17	0	*	*	0
	20-24	1,390+	192	*	163	49	46	0	17	436	15	218	149	86	0	7	12	0
	25-29	1,530+	206	*	197	64	34	*	17	457	25	232	149	115	0	15	12	0
	30-34	980+	154	*	134	31	13	0	12	301	11	158	83	67	0	7	6	0
	35-39	480+	74	*	53	16	10	0	*	161	8	84	42	24	0	6	*	0
	40-44	100+	24	*	11	*	*	0	*	24	*	27	*	*	0	*	*	0
	45+	0+	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Payee for births	AHCCCS	3,440+	521	9	491	118	49	*	35	1,069	37	706	210	140	0	31	18	0
	IHS	900+	159	*	44	61	57	0	16	158	11	46	198	134	0	*	11	0
	Private insurance	610+	37	*	84	12	9	0	*	257	17	58	72	44	0	*	8	0
	Self-pay	80+	16	*	7	*	*	0	*	24	*	6	8	8	0	*	*	0
	Unknown	10+	*	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
Mother's education	8th Grade or Less	100+	8	*	*	*	*	0	0	35	*	12	14	11	0	*	*	0
	Some High School	1,240+	120	*	117	74	32	*	16	369	14	177	157	138	0	10	13	0
	High School / GED	1,680+	218	*	235	68	60	0	21	423	27	332	175	93	0	13	15	0
	Some College	1,399	274	7	170	37	18	0	14	462	15	223	101	56	0	14	8	0
	Associate Degree	340+	70	*	60	7	*	0	*	112	*	50	15	21	0	0	0	0
	Bachelor's Degree	180+	27	0	32	*	0	0	*	80	*	17	15	*	0	*	0	0
	Postgraduate Education	70+	13	0	8	*	0	0	*	27	*	*	9	*	0	*	0	0
	Unknown	20+	*	0	0	*	*	0	0	*	0	*	*	*	0	0	0	0
Marital status	Married	1,050+	149	6	155	30	20	0	*	333	15	178	70	62	0	16	10	0
	Unmarried^a	3,930+	577	6	465	162	96	*	50	1,161	51	631	416	262	0	23	27	0
	Unknown	50+	8	0	6	*	0	0	*	18	*	8	*	*	0	*	*	0
Weight gain	None	1,100+	183	*	125	37	26	*	12	328	19	196	105	50	0	8	10	0
	1-15 pounds	1,430+	219	*	173	45	31	0	15	436	14	248	138	79	0	14	13	0
	31+ pounds	2,470+	325	*	328	112	58	0	26	740	34	369	241	196	0	20	14	0
	Unknown	30+	7	0	0	*	*	0	*	8	0	*	*	*	0	0	0	0
Substance use	Non Smoker	4,730+	629	11	609	185	106	*	50	1,462	62	766	473	303	0	37	36	0
	Light Smoker	150+	14	*	8	7	8	0	*	30	*	38	11	17	0	*	*	0
	Heavy Smoker	30+	*	0	*	*	*	0	0	14	0	*	*	6	0	0	0	0
	Unknown	120+	90	0	6	0	*	0	*	6	*	9	*	0	0	*	0	0
Length of gestation	<37 weeks	500+	71	*	49	27	16	0	*	142	*	107	33	31	0	6	*	0
	37-41 weeks	4,491	658	9	573	167	100	0	50	1,354	61	700	453	295	0	36	35	0
	42+ weeks	20+	*	0	*	*	0	*	0	10	*	*	*	0	0	0	0	0
	Unknown	20+	*	0	*	0	0	0	*	6	*	7	0	0	0	0	0	0

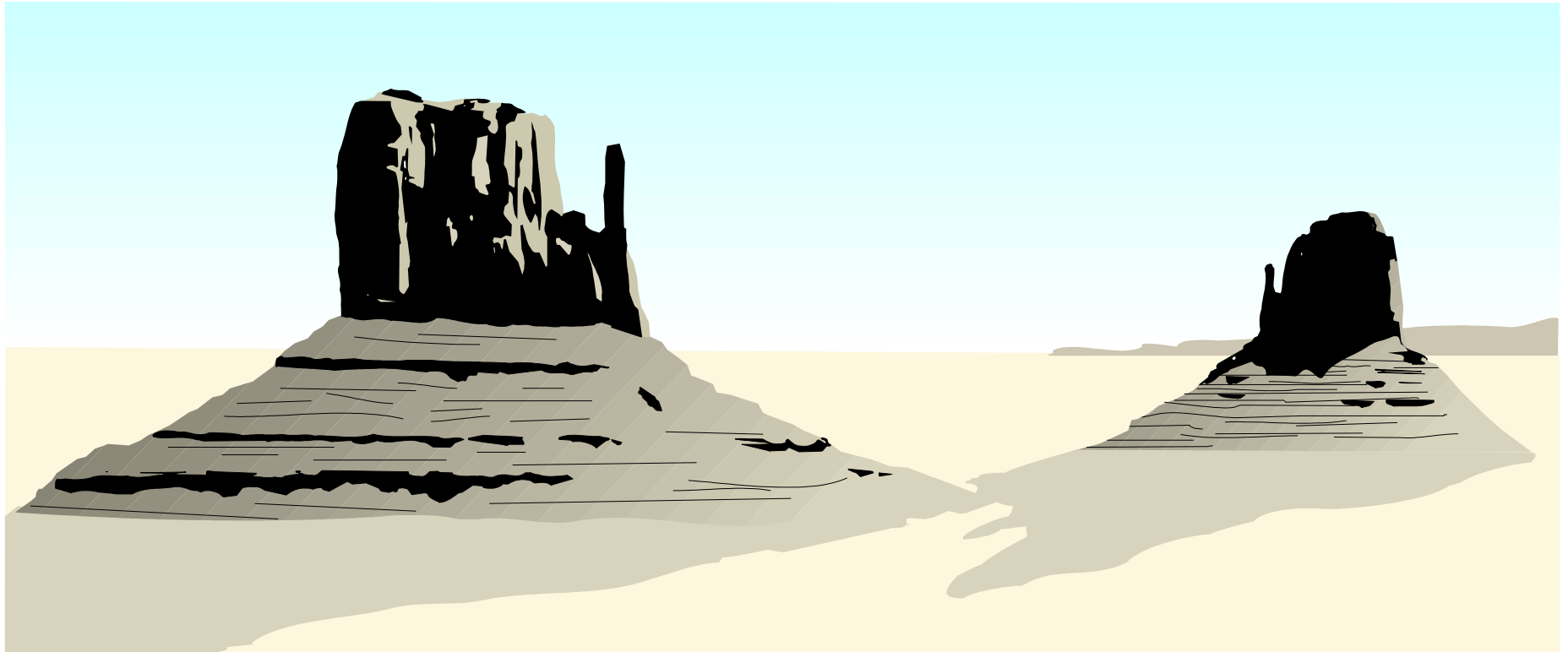
4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2016

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown	
Weight at birth	<1,000 grams	30†	*	0	0	*	*	0	0	10	0	*	*	*	0	0	*	0
	1,000-1,499	40†	*	0	*	*	*	0	0	12	*	7	*	*	0	0	0	0
	1,500-2,499	300†	49	*	33	10	8	0	6	75	*	70	24	14	0	*	*	0
	2,500-3,999	4,180†	619	9	531	160	95	*	44	1,240	55	691	412	254	0	38	30	0
	4000+	490†	56	*	58	22	10	0	6	175	6	44	47	53	0	*	*	0
	Unknown	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prenatal care	No care	200†	16	*	12	18	17	0	*	51	*	25	45	12	0	*	*	0
	1st trimester	3,050†	515	*	426	63	35	*	15	941	39	482	269	219	0	28	17	0
	2nd trimester	1,180†	148	*	136	53	38	0	15	348	17	219	125	56	0	10	10	0
	3rd trimester	410†	38	*	39	48	21	0	7	100	9	69	41	26	0	*	8	0
	Unknown	180†	17	0	13	13	*	0	18	72	*	22	8	13	0	0	*	0
Prenatal visits	No visits	200†	16	*	12	18	17	0	*	51	*	25	45	12	0	*	*	0
	1-4 visits	550†	54	*	49	59	41	0	8	125	13	91	77	28	0	*	*	0
	5-8 visits	1,210†	182	*	122	49	24	*	22	355	13	216	142	57	0	9	10	0
	9-12 visits	2,060†	323	*	269	43	26	0	14	689	22	305	166	162	0	22	13	0
	13+ visits	960†	148	*	171	23	8	0	10	265	17	172	57	66	0	8	8	0
	Unknown	60†	11	0	*	*	0	0	*	27	*	8	*	*	0	0	0	0
Newborn intensive care	Yes	320†	30	*	23	9	8	0	*	102	*	73	22	43	0	*	*	0
	No	4,710†	704	10	603	186	108	*	53	1,410	65	744	466	283	0	40	34	0
Method of delivery	Vaginal	3,772	624	8	497	129	82	0	40	1,063	43	627	393	220	0	27	19	0
	C-Section	1,180†	104	*	121	59	29	*	16	438	21	171	85	102	0	15	17	0
	Forceps	20†	*	0	*	*	*	0	0	*	*	*	*	0	0	0	0	0
	Vacuum	60†	*	0	6	*	*	0	0	8	*	16	9	*	0	0	*	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obstetric procedures^b	Total	2,260†	280	*	278	78	60	*	13	615	30	393	360	115	0	14	19	0
	Induction of labor	1,350†	182	*	200	37	21	*	13	398	16	225	150	79	0	8	15	0
	Augmentation of labor	1,170†	109	*	124	52	43	0	*	315	17	193	229	61	0	7	12	0
	Cervical cerclage	10†	*	0	0	0	0	0	0	*	0	*	*	*	0	0	*	0
	Tocolysis	30†	*	0	*	*	*	0	0	*	0	*	13	*	0	0	0	0
	External cephalic version successful	10†	*	*	*	0	0	0	0	*	0	*	0	0	0	0	0	0
	External cephalic version failed	20†	6	0	*	*	0	0	0	*	0	*	0	0	0	0	0	0
Births with medical risk factors^b	Total	1,780†	270	*	211	55	33	0	12	534	12	334	182	108	0	11	15	0
	Pre-existing diabetes	160†	29	0	9	*	*	0	*	50	*	17	17	19	0	*	*	0
	Gestational diabetes	740†	91	*	101	15	10	0	6	258	*	141	60	45	0	*	*	0
	Pre-existing hypertension	70†	13	0	10	0	0	0	0	25	*	*	8	*	0	0	*	0
	Gestational hypertension	530†	86	*	61	20	11	0	*	149	*	101	57	28	0	*	*	0
	Eclampsia	20†	*	0	8	*	*	0	0	6	*	*	*	*	0	0	0	0
	Previous preterm birth	220†	32	0	19	*	*	0	0	47	0	60	41	14	0	0	*	0
	Other previous poor pregnancy outcome	90†	34	*	6	*	*	0	*	14	0	16	13	*	0	0	0	0
	Gonorrhea	30†	*	0	*	*	*	0	0	7	*	*	*	*	0	0	*	0
	Syphilis	10†	0	0	0	*	*	0	0	*	0	*	*	*	0	0	0	0
	Chlamydia	350†	63	0	45	17	7	0	*	79	*	82	28	18	0	*	*	0
	Hepatitis B	0†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
	Hepatitis C	20†	*	0	*	0	0	0	0	6	*	*	*	8	0	0	0	0

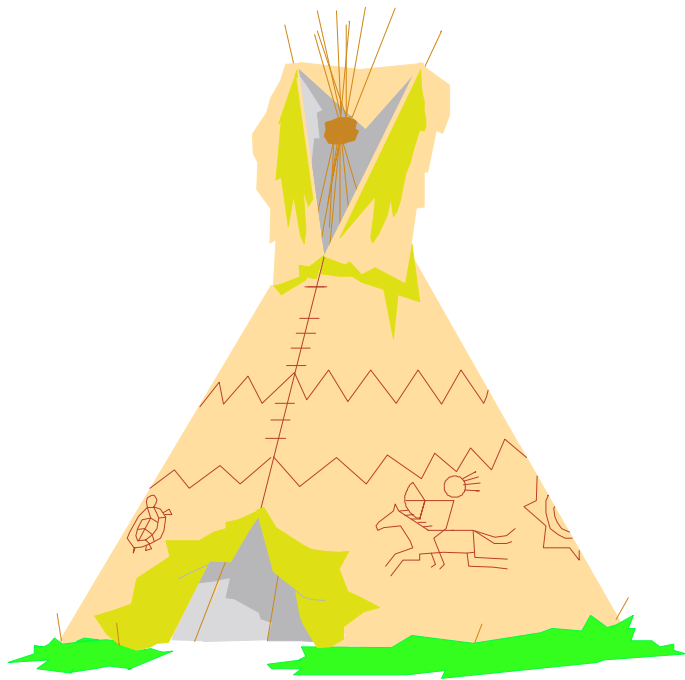
4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2016

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Births with complications of labor and delivery^b	Total	1,480 [†]	208	*	159	79	31	*	10	451	19	247	149	92	0	8	19	0
	Premature rupture of the membranes	310 [†]	52	*	41	12	*	0	*	99	0	52	40	7	0	*	*	0
	Precipitous labor	310 [†]	59	0	30	24	12	0	*	66	*	51	40	18	0	*	0	0
	Prolonged labor	160 [†]	18	0	23	6	0	0	0	60	0	37	9	*	0	0	0	0
	Breech presentation	180 [†]	32	*	22	8	*	0	*	44	*	39	13	14	0	*	*	0
	Chorioamnionitis	90 [†]	6	0	11	*	*	0	0	38	*	13	12	*	0	*	*	0
	Meconium staining of the amniotic fluid	340 [†]	37	0	20	11	8	0	*	105	10	48	44	43	0	*	11	0
	Fetal intolerance	310 [†]	24	*	39	24	*	*	*	131	6	43	13	10	0	*	9	0
	Maternal transfusion	70 [†]	10	0	*	13	*	0	0	12	0	12	*	*	0	*	*	0
	Third or fourth degree perineal laceration	30 [†]	*	0	6	*	0	0	0	6	0	*	*	0	0	0	0	0
	Ruptured uterus	0 [†]	0	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	0	0
Unplanned surgery following delivery	30 [†]	*	0	*	0	0	0	*	*	0	7	*	0	0	0	0	0	
Abnormal conditions of the newborn^b	Total	260 [†]	21	*	26	9	6	0	11	74	*	64	11	29	0	*	*	0
	Assisted ventilation immediately after delivery	170 [†]	11	*	16	6	*	0	11	44	*	42	8	15	0	*	*	0
	Assisted ventilation for more than 6 hours	80 [†]	7	0	*	*	*	0	0	33	0	18	7	6	0	*	*	0
	Surfactant replacement therapy	20 [†]	0	0	0	*	0	0	*	10	0	*	0	*	0	0	*	0
	Suspected neonatal sepsis	130 [†]	9	0	16	*	*	0	0	42	0	25	9	18	0	0	*	0
	Seizure or serious neurologic dysfunction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Significant birth injury	10 [†]	*	0	*	0	0	0	0	*	0	*	0	*	0	0	0	0
Congenital anomalies of the newborn^b	Total	60 [†]	15	0	10	*	*	0	*	12	*	8	*	*	0	0	0	0
	Anencephalus	0	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
	Congenital diaphragmatic hernia	0 [†]	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Omphalocele / Gastroschisis	0 [†]	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0
	Limb reduction defect	0 [†]	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
	Cleft lip / palate	20 [†]	*	0	*	*	0	0	0	*	0	*	*	*	0	0	0	0
	Down syndrome	0 [†]	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0
	Suspected chromosomal disorder	0	0	0	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	30 [†]	10	0	*	0	*	0	*	6	0	*	0	0	0	0	0	0
Infant mortality^c	Total	40 [†]	10 [†]	0	10 [†]	0 [†]	0 [†]	0	0	10 [†]	0 [†]	10 [†]	0 [†]	0 [†]	0	0 [†]	0	0 [†]
	Neonatal	20 [†]	*	0	*	*	*	0	0	*	*	*	*	0	0	*	0	0
	Postneonatal	20 [†]	9	0	*	0	0	0	0	*	*	*	*	*	0	0	0	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a 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 2016**



AGE-SPECIFIC MORTALITY

5.1
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIANS IN 2016

		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		2,350†	40†	20†	20†	100†	210†	230†	350†	380†	350†	340†	310†
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	*	0	0	*	0	*
	Colorado River Indian Tribe	20†	0	0	0	0	*	*	*	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	0	*	0	*	*	*	*	0
	Fort Mohave Reservation	0†	0	0	0	0	0	0	0	0	0	*	0
	Gila River Indian Community	150†	*	*	*	*	13	19	30	23	31	16	9
	Havasupai Tribe	10†	0	0	0	0	0	*	*	0	*	0	*
	Hopi Tribe	30†	0	0	0	0	*	*	*	*	*	11	8
	Hualapai Tribe	10†	*	0	0	*	*	*	0	*	0	*	*
	Kaibab Indian Reservation	0†	0	0	0	0	0	0	0	0	*	0	0
	Navajo Nation	610†	13	*	7	22	44	51	87	87	80	107	108
	Pascua Yaqui Tribe	0†	0	0	0	0	0	0	0	*	*	*	0
	Salt River Pima-Maricopa Indian Community	50†	0	0	*	*	7	*	12	14	*	*	*
	San Carlos Apache Tribe	120†	*	*	*	6	13	9	15	17	19	22	14
	Tohono O'Odham Nation	80†	*	*	0	*	*	13	10	18	15	15	*
	White Mountain Apache Tribe	110†	*	*	*	11	20	9	13	19	11	16	6
	Yavapai-Apache Nation	0†	0	0	0	0	0	0	0	0	*	*	0
	TOTAL	1,220†	20†	10†	10†	50†	110†	120†	180†	190†	180†	200†	160†
Resided off reservation	---in Maricopa County	330†	6	*	*	17	39	34	68	57	58	25	26
	---in Pima County	180†	*	*	0	*	16	16	29	32	23	27	22
	---in Coconino County	140†	*	0	0	7	16	15	18	23	15	14	26
	---elsewhere in Arizona	480†	10	*	*	22	31	47	61	73	75	77	80
		TOTAL	1,130†	20†	10†	10†	50†	102	112	176	185	171	143

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

5.2
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN MALES IN 2016

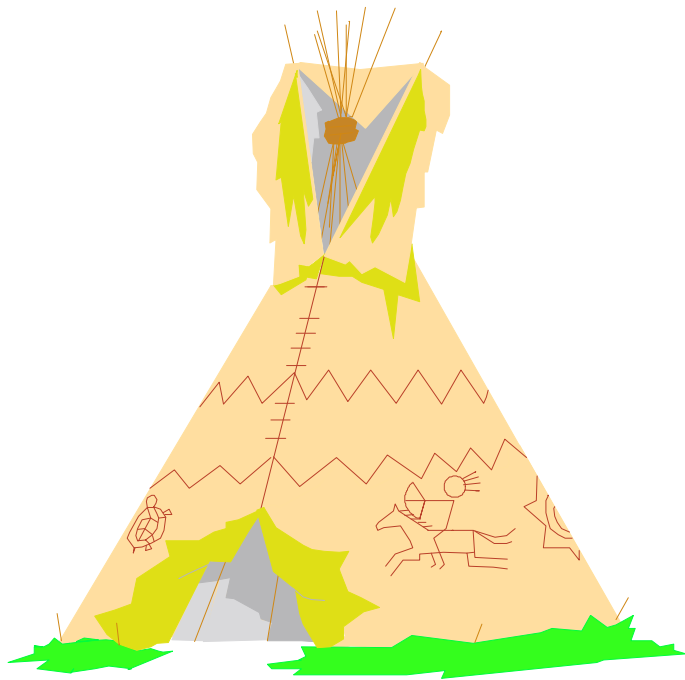
		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		1,370†	20†	10†	10†	70†	150†	160†	240†	230†	190†	170†	130†
Resided on reservation	Ak-Chin Indian Community	0†	0	0	0	0	0	0	0	*	*	0	0
	Cocopah Tribe	0†	0	0	0	0	0	0	0	0	*	0	0
	Colorado River Indian Tribe	20†	0	0	0	0	*	*	*	*	*	0	0
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	0	0	0	*	0	*	*	0
	Fort Mohave Reservation	0	0	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	80†	0	*	0	*	8	13	17	15	14	6	*
	Havasupai Tribe	0†	0	0	0	0	0	*	0	0	0	0	0
	Hopi Tribe	20†	0	0	0	0	*	*	*	*	*	8	*
	Hualapai Tribe	10†	*	0	0	*	*	*	0	*	0	*	0
	Kaibab Indian Reservation	0†	0	0	0	0	0	0	0	0	*	0	0
	Navajo Nation	380†	6	*	*	14	33	40	60	63	49	52	50
	Pascua Yaqui Tribe	0†	0	0	0	0	0	0	0	*	0	*	0
	Salt River Pima-Maricopa Indian Community	30†	0	0	*	*	*	*	7	10	*	*	0
	San Carlos Apache Tribe	80†	*	0	*	6	12	7	13	12	12	13	*
	Tohono O'Odham Nation	50†	*	*	0	*	*	8	7	10	*	7	*
	White Mountain Apache Tribe	60†	*	*	0	7	12	6	8	9	*	9	*
	Yavapai-Apache Nation	0†	0	0	0	0	0	0	0	0	*	0	0
TOTAL	730†	10†	10†	10†	30†	80†	80†	120†	130†	100†	100†	60†	
Resided off reservation	---in Maricopa County	190†	*	0	0	12	28	21	43	25	28	13	14
	---in Pima County	100†	*	0	0	*	11	13	18	20	11	14	10
	---in Coconino County	80†	*	0	0	*	9	11	13	12	10	9	9
	---elsewhere in Arizona	270†	*	*	*	15	23	36	45	40	38	32	31
	TOTAL	640†	10†	0†	0†	40†	71	81	119	97	87	68	64

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 2016

		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		980†	20†	10†	10†	30†	60†	70†	120†	150†	160†	170†	180†
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	0	0	*
	Colorado River Indian Tribe	0†	0	0	0	0	0	*	0	0	0	*	*
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	0	*	0	*	*	*	0	0
	Fort Mohave Reservation	0†	0	0	0	0	0	0	0	0	0	*	0
	Gila River Indian Community	70†	*	0	*	*	*	6	13	8	17	10	7
	Havasupai Tribe	0†	0	0	0	0	0	0	*	0	*	0	*
	Hopi Tribe	10†	0	0	0	0	0	0	*	*	0	*	*
	Hualapai Tribe	0†	0	0	0	0	0	*	0	0	0	0	*
	Kaibab Indian Reservation	0	0	0	0	0	0	0	0	0	0	0	0
	Navajo Nation	240†	7	*	*	8	11	11	27	24	31	55	58
	Pascua Yaqui Tribe	0†	0	0	0	0	0	0	0	*	*	0	0
	Salt River Pima-Maricopa Indian Community	20†	0	0	*	*	*	*	*	*	*	*	*
	San Carlos Apache Tribe	40†	0	*	0	0	*	*	*	*	7	9	11
	Tohono O'Odham Nation	40†	0	0	0	0	*	*	*	8	10	8	*
	White Mountain Apache Tribe	50†	*	0	*	*	8	*	*	10	7	7	*
Yavapai-Apache Nation	0†	0	0	0	0	0	0	0	0	*	*	0	
	TOTAL	490†	10†	0†	10†	20†	30†	30†	60†	60†	80†	100†	90†
Resided off reservation	---in Maricopa County	150†	*	*	*	*	11	13	25	32	30	12	12
	---in Pima County	70†	*	*	0	*	*	*	11	12	12	13	12
	---in Coconino County	60†	*	0	0	*	7	*	*	11	*	*	17
	---elsewhere in Arizona	212	6	0	0	7	8	11	16	33	37	45	49
		TOTAL	490†	10†	10†	0†	20†	30†	30†	60†	88	80†	80†

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, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Total, all causes	2,346	1,365	981
Salmonella infections	0	0	0
Shigellosis and amebiasis	0	0	0
Certain other intestinal infections	10†	*	6
Enterocolitis due to Clostridium difficile	10†	*	*
Tuberculosis	0†	*	*
Respiratory tuberculosis	0†	*	*
Other tuberculosis	0	0	0
Whooping cough	0	0	0
Scarlet fever and erysipelas	0	0	0
Meningococcal infection	0	0	0
Septicemia	41	24	17
Syphilis	0	0	0
Acute poliomyelitis	0	0	0
Arthropod-borne encephalitis	0	0	0
Measles	0	0	0
Viral hepatitis	10†	8	*
Human immunodeficiency virus (HIV) disease	0†	*	0
Malaria	0	0	0
Other and unspecified infectious and parasitic diseases	20†	12	*
Malignant neoplasms	222	105	117
Malignant neoplasm of lip, oral cavity and pharynx	0†	*	0
Malignant neoplasm of esophagus	0†	0	*
Malignant neoplasm of stomach	17	10	7
Malignant neoplasm of colon, rectum and anus	19	8	11
Malignant neoplasm of liver and intrahepatic bile ducts	27	18	9
Malignant neoplasm of pancreas	20	7	13
Malignant neoplasm of larynx	0†	*	0
Malignant neoplasm of trachea, bronchus and lung	20†	10	*
Malignant melanoma of skin	0†	*	*
Malignant neoplasm of breast	15	0	15
Malignant neoplasm of cervix uteri	0†	0	*
Malignant neoplasm of corpus uteri and uterus, part unspecified	6	0	6
Malignant neoplasm of ovary	12	0	12
Malignant neoplasm of prostate	12	12	0
Malignant neoplasm of kidney and renal pelvis	15	9	6
Malignant neoplasm of bladder	0†	*	*

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Malignant neoplasm of meninges, brain and other parts of CNS	0†	*	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	9	*
Hodgkin's disease	0	0	0
Non-Hodgkin's lymphoma	10†	*	*
Leukemia	0†	*	*
Multiple myeloma and immunoproliferative neoplasms	0†	*	*
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0
All other and unspecified malignant neoplasm	34	13	21
In situ neoplasms	10†	*	*
Anemias	10†	*	*
Diabetes	180	102	78
Nutritional deficiencies	10†	*	8
Malnutrition	10†	*	7
Other nutritional deficiencies	0†	*	*
Obesity	10†	9	*
Meningitis	0†	0	*
Parkinson's disease	10†	10	*
Alzheimer's disease	44	14	30
Major cardiovascular diseases	389	210	179
Diseases of heart	286	167	119
Acute rheumatic fever and chronic rheumatic heart disease	0†	0	*
Hypertensive heart disease	19	9	10
Hypertensive heart and renal disease	0†	*	*
Ischemic heart disease	183	108	75
Acute myocardial infarction	51	31	20
Other acute ischemic heart disease	0†	0	*
Other forms of chronic ischemic heart disease	131	77	54
Atherosclerotic cardiovascular disease	43	26	17
All other forms of chronic ischemic heart disease	88	51	37
Other heart diseases	79	49	30
Acute and subacute endocarditis	0†	*	*
Diseases of pericardium and acute myocarditis	0	0	0
Heart failure	17	8	9
All other forms of heart disease	60	40	20
Essential (primary) hypertension and hypertensive renal disease	36	16	20
Cerebrovascular diseases	60	25	35

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Atherosclerosis	0†	0	*
Other diseases of circulatory system	10†	*	*
Aortic aneurysm and dissection	0	0	0
Other disease of arteries, arterioles and capillaries	10†	*	*
Other disorders of circulatory system	0†	*	*
Influenza and pneumonia	62	27	35
Influenza	10†	*	*
Pneumonia	56	24	32
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	38	20	18
Bronchitis, chronic and unspecified	0	0	0
Emphysema	0†	*	*
Asthma	10†	*	*
Other chronic lower respiratory diseases	31	17	14
Pneumoconioses and chemical effects	0†	*	0
Pneumonitis due to solids and liquids	18	7	11
Other disease of respiratory system	38	20	18
Peptic ulcer	0	0	0
Diseases of appendix	0	0	0
Hernia	0†	0	*
Chronic liver disease and cirrhosis	217	125	92
Alcoholic liver disease	184	114	70
Other chronic liver disease and cirrhosis	33	11	22
Cholelithiasis and other disorders of gallbladder	10†	*	*
Nephritis, nephrotic syndrome and nephrosis	49	24	25
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0
Chronic glomerulonephritis	0	0	0
Renal failure	49	24	25
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	0

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

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	0
Perinatal conditions	10†	9	*
Congenital anomalies, deformations and chromosomal abnormalities	19	9	10
Symptoms, signs, abnormal findings	108	69	39
Total accidents	363	270	93
Transport accidents	152	108	44
Motor vehicle accidents	143	100	43
Other land transport accidents	10†	*	*
Water, air, space	0†	*	0
Nontransport accidents	211	162	49
Falls	37	23	14
Accidental discharge of firearms	0†	*	0
Accidental drowning and submersion	10†	*	*
Accidental exposure to smoke, fire and flames	10†	*	*
Accidental poisoning	110	93	17
Excessive natural heat	10†	7	*
Excessive natural cold	10†	9	*
Other and unspecified nontransport accidents	48	36	12
Intentional self-harm (suicide)	75	56	19
By discharge of firearms	10†	6	*
By other means	67	50	17
Assault (homicide)	51	37	14
By discharge of firearms	22	14	8
By other means	29	23	6
Legal intervention	0†	*	0
Events of undetermined intent	20†	17	*
Discharge of firearms	0†	*	0
Other and unspecified events of undetermined intent	20†	16	*
Operations of war	0	0	0
Complications of medical and surgical care	0†	*	*
INJURY BY FIREARMS	35	25	10
DRUG-INDUCED DEATHS	50	42	8
OPIOID-INDUCED DEATHS	20†	17	*
ALCOHOL-INDUCED DEATHS	316	224	92

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

5.5
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

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	2,346	42	16	17	101	209	227	352	377	353	342	310
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	0	*	*	*
Enterocolitis due to Clostridium difficile	10†	0	0	0	0	0	0	0	0	*	*	*
Tuberculosis	0†	0	0	0	0	0	0	0	*	*	0	0
Respiratory tuberculosis	0†	0	0	0	0	0	0	0	*	*	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	40†	0	0	0	0	*	*	10	8	11	*	*
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	*
Human immunodeficiency virus (HIV) disease	0†	0	0	0	0	0	*	*	0	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	20†	0	0	*	*	*	*	*	*	0	*	0
Malignant neoplasms	220†	0	0	0	*	*	9	21	62	48	42	36
Malignant neoplasm of lip, oral cavity and pharynx	0†	0	0	0	0	0	0	0	*	0	0	0
Malignant neoplasm of esophagus	0†	0	0	0	0	0	0	0	*	0	0	0
Malignant neoplasm of stomach	20†	0	0	0	0	0	*	*	*	*	*	*
Malignant neoplasm of colon, rectum and anus	20†	0	0	0	*	*	*	*	7	*	*	*
Malignant neoplasm of liver and intrahepatic bile ducts	30†	0	0	0	0	0	0	*	10	10	*	*
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
Malignant neoplasm of trachea, bronchus and lung	20†	0	0	0	0	0	*	0	*	*	*	*
Malignant melanoma of skin	0†	0	0	0	0	*	*	0	0	0	*	0
Malignant neoplasm of breast	20†	0	0	0	0	0	0	*	*	*	*	*
Malignant neoplasm of cervix uteri	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
Malignant neoplasm of ovary	10†	0	0	0	0	0	*	0	*	*	*	*
Malignant neoplasm of prostate	10†	0	0	0	0	0	0	*	*	*	*	*

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Malignant neoplasm of kidney and renal pelvis	20†	0	0	0	0	0	0	*	6	*	*	*
Malignant neoplasm of bladder	0†	0	0	0	0	0	0	0	*	0	*	*
Malignant neoplasm of meninges, brain and other parts of CNS	0†	0	0	0	0	0	0	*	*	0	*	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	0	0	0	0	*	0	*	7	*	*	*
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	0†	0	0	0	0	*	0	*	*	0	0	*
Multiple myeloma and immunoproliferative neoplasms	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
All other and unspecified malignant neoplasm	30†	0	0	0	0	0	0	*	6	10	*	9
In situ neoplasms	10†	0	0	0	0	*	0	0	0	0	*	*
Anemias	10†	0	0	0	0	*	0	*	0	*	*	0
Diabetes	180†	0	0	0	*	*	16	27	43	39	30	19
Nutritional deficiencies	10†	0	0	0	0	0	0	*	*	*	*	6
Malnutrition	10†	0	0	0	0	0	0	*	*	*	*	*
Other nutritional deficiencies	0†	0	0	0	0	0	0	0	0	0	0	*
Obesity	10†	0	0	0	0	*	*	*	*	0	0	0
Meningitis	0†	0	0	*	0	0	0	0	0	0	*	0
Parkinson's disease	10†	0	0	0	0	0	0	0	*	*	7	*
Alzheimer's disease	40†	0	0	0	0	0	0	0	*	8	10	23
Major cardiovascular diseases	390†	0	0	*	0	10	19	39	60	82	92	85
Diseases of heart	290†	0	0	*	0	8	12	24	45	61	74	60
Acute rheumatic fever and chronic rheumatic heart disease	0†	0	0	0	0	0	0	0	0	0	*	*
Hypertensive heart disease	20†	0	0	0	0	0	*	*	*	*	6	*
Hypertensive heart and renal disease	0†	0	0	0	0	0	0	0	0	*	*	0
Ischemic heart disease	180†	0	0	0	0	*	6	14	25	48	48	39
Acute myocardial infarction	50†	0	0	0	0	*	*	*	7	13	12	11
Other acute ischemic heart disease	0†	0	0	0	0	0	0	0	*	0	0	0
Other forms of chronic ischemic heart disease	130†	0	0	0	0	*	*	10	17	35	36	28
Atherosclerotic cardiovascular disease	40†	0	0	0	0	*	*	6	6	10	9	8
All other forms of chronic ischemic heart disease	90†	0	0	0	0	*	0	*	11	25	27	20
Other heart diseases	80†	0	0	*	0	*	*	8	16	11	18	16
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	0
Heart failure	20†	0	0	0	0	0	0	0	*	*	6	*
All other forms of heart disease	60†	0	0	*	0	*	*	7	12	8	11	12

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

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	40†	0	0	0	0	*	*	*	8	9	*	*
Cerebrovascular diseases	60†	0	0	0	0	*	*	8	7	10	11	19
Atherosclerosis	0†	0	0	0	0	0	0	0	0	0	*	*
Other diseases of circulatory system	10†	0	0	0	0	0	0	*	0	*	*	0
Aortic aneurysm and dissection	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
Other disorders of circulatory system	0†	0	0	0	0	*	0	0	*	*	0	0
Influenza and pneumonia	60†	*	*	0	0	*	*	*	10	12	13	14
Influenza	10†	0	0	0	0	*	0	*	0	*	*	0
Pneumonia	60†	*	*	0	0	*	*	*	10	10	11	14
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	40†	0	0	0	0	*	0	*	*	9	14	8
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	*	0	*
Asthma	10†	0	0	0	0	*	0	0	*	0	*	0
Other chronic lower respiratory diseases	30†	0	0	0	0	0	0	*	*	8	13	7
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	*	0	*	*	*	6
Other disease of respiratory system	40†	0	*	0	0	*	0	*	*	9	13	9
Peptic ulcer	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
Hernia	0†	0	0	0	0	0	0	0	0	*	0	0
Chronic liver disease and cirrhosis	220†	0	0	0	*	23	45	67	46	25	8	*
Alcoholic liver disease	180†	0	0	0	*	19	41	62	38	20	*	0
Other chronic liver disease and cirrhosis	30†	0	0	0	0	*	*	*	8	*	*	*
Cholelithiasis and other disorders of gallbladder	10†	0	0	0	0	0	0	*	*	0	0	*
Nephritis, nephrotic syndrome and nephrosis	50†	0	0	0	0	0	*	*	6	13	14	11
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	50†	0	0	0	0	0	*	*	6	13	14	11
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, 2016

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	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	0	0
Perinatal conditions	13	13	0	0	0	0	0	0	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	20†	14	*	*	*	0	*	0	0	0	0	0
Symptoms, signs, abnormal findings	110†	10	*	0	8	18	*	20	16	7	9	13
Total accidents	360†	*	6	6	39	70	66	75	42	27	18	12
Transport accidents	150†	*	*	6	27	35	31	27	9	*	*	*
Motor vehicle accidents	140†	*	*	6	25	34	29	27	7	*	*	*
Other land transport accidents	10†	0	0	0	*	0	*	0	*	*	0	0
Water, air, space	0†	0	0	0	0	*	*	0	*	*	0	0
Nontransport accidents	210†	*	*	0	12	35	35	48	33	22	14	9
Falls	40†	0	0	0	0	*	*	*	7	*	7	8
Accidental discharge of firearms	0†	0	0	0	0	0	0	0	*	0	0	0
Accidental drowning and submersion	10†	0	*	0	*	*	*	*	0	0	0	0
Accidental exposure to smoke, fire and flames	10†	0	0	0	0	*	*	*	*	0	0	0
Accidental poisoning	110†	0	0	0	10	26	23	27	15	7	*	0
Excessive natural heat	10†	0	0	0	0	*	*	*	*	*	0	*
Excessive natural cold	10†	0	0	0	*	*	0	*	*	*	*	0
Other and unspecified nontransport accidents	50†	*	*	0	*	*	6	10	7	11	*	*
Intentional self-harm (suicide)	80†	0	0	*	30	24	12	*	*	0	0	0
By discharge of firearms	10†	0	0	0	*	*	*	0	0	0	0	0
By other means	70†	0	0	*	28	20	10	*	*	0	0	0
Assault (homicide)	50†	0	*	0	9	16	10	9	*	0	0	0
By discharge of firearms	20†	0	0	0	*	8	6	*	*	0	0	0
By other means	30†	0	*	0	6	8	*	6	*	0	0	0
Legal intervention	0†	0	0	0	0	*	0	0	0	0	0	0
Events of undetermined intent	20†	0	0	0	*	*	*	6	*	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	*	*	*	6	*	0	*	0
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	0†	0	0	0	0	0	0	0	*	0	0	0
INJURY BY FIREARMS	40†	0	0	0	6	15	8	*	*	0	0	0
DRUG-INDUCED DEATHS	50†	0	0	0	8	15	8	12	*	*	*	0
OPIOID-INDUCED DEATHS	20†	0	0	0	*	8	*	*	0	0	0	0
ALCOHOL-INDUCED DEATHS	316	0	0	0	7	41	67	100	58	35	8	0

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

5.6

DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																Resided off reservation						
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Total, all causes	2,346	3	5	19	11	1	151	5	28	13	1	611	4	54	120	83	109	3	1,220†	334	175	136	480	1,125
Salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	10†	0	0	*	0	0	*	*	0	0	0	*	0	0	0	0	0	0	10†	*	0	0	*	0†
Enterocolitis due to Clostridium difficile	10†	0	0	0	0	0	*	*	0	0	0	*	0	0	0	0	0	0	0†	*	0	0	*	0†
Tuberculosis	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	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	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	41	0	0	0	*	0	0	0	*	*	0	12	0	0	*	*	*	0	20†	*	*	*	11	20†
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	10†	0	0	0	0	0	*	0	0	0	0	*	0	*	*	0	*	0	10†	*	*	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	0†
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	20†	0	0	0	0	0	*	0	0	0	0	*	0	*	*	*	*	0	10†	*	*	*	*	10†
Malignant neoplasms	222	0	0	*	*	0	12	0	*	*	0	60	0	*	13	8	*	0	110†	25	17	10	65	117
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	*	0†
Malignant neoplasm of esophagus	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 stomach	17	0	0	0	0	0	*	0	0	0	0	8	0	0	*	*	0	0	10†	0	0	*	*	10†
Malignant neoplasm of colon, rectum and anus	19	0	0	0	0	0	*	0	0	0	0	*	0	0	*	0	0	0	10†	*	*	0	7	10†
Malignant neoplasm of liver and intrahepatic bile ducts	27	0	0	*	0	0	*	0	*	0	0	*	0	*	*	*	*	0	20†	*	*	0	*	10†
Malignant neoplasm of pancreas	20	0	0	0	0	0	0	0	0	0	0	7	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	20†	0	0	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	*	0†
Malignant neoplasm of breast	15	0	0	0	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	*	0†
Malignant neoplasm of corpus uteri and uterus, part unspecified	10†	0	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0†	0	0	*	*	0†
Malignant neoplasm of ovary	10†	0	0	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0†	0	*	*	7	10†
Malignant neoplasm of prostate	10†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	*	0	0	7	10†
Malignant neoplasm of kidney and renal pelvis	20†	0	0	0	0	0	*	0	*	0	0	6	0	0	*	*	0	0	10†	*	0	*	*	0†

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																Resided off reservation						
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	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†
Malignant neoplasm of meninges, brain and other parts of CNS	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	0	0	0	0†
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	10†	*	*	0	0	10†
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	10†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	*	0	0	0†
Leukemia	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	*	0	0	0†
Multiple myeloma and immunoproliferative neoplasms	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	*	0	0	0†
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	34	0	0	0	0	0	*	0	0	*	0	9	0	*	*	0	*	0	20†	*	*	*	12	20†
In situ neoplasms	10†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	*	0†
Anemias	10†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	*	*	0†
Diabetes	180	*	*	*	*	0	25	0	0	*	0	34	0	8	12	8	*	0	100†	24	20	*	31	80†
Nutritional deficiencies	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	*	0	0	0	10†	0	*	*	*	10†
Malnutrition	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	*	0	0	0	10†	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	*	0	0†
Obesity	10†	0	0	0	0	0	*	0	0	0	*	0	*	0	0	*	0	0	10†	*	0	*	*	10†
Meningitis	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0†	*	0	0	0	0†
Parkinson's disease	10†	0	0	0	0	0	0	0	0	0	6	*	0	0	0	*	0	0	10†	0	0	*	*	0†
Alzheimer's disease	44	0	0	0	0	0	*	0	0	0	9	0	0	*	0	*	*	20†	10	*	6	7	30†	
Major cardiovascular diseases	389	0	*	6	*	0	23	0	11	*	0	98	0	6	19	14	22	*	210†	49	34	27	74	184
Diseases of heart	286	0	*	6	*	0	13	0	6	0	0	76	0	*	12	10	16	0	150†	34	27	23	57	141
Acute rheumatic fever and chronic rheumatic heart disease	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	*	0†
Hypertensive heart disease	19	0	0	*	0	0	*	0	0	0	0	6	0	0	0	0	*	0	10†	*	*	0	*	10†
Hypertensive heart and renal disease	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*	0†
Ischemic heart disease	183	0	*	*	*	0	8	0	*	0	0	49	0	*	9	*	7	0	90†	18	19	14	40	91
Acute myocardial infarction	51	0	0	0	0	0	*	0	0	0	0	14	0	0	*	0	*	0	20†	*	10	0	15	30†
Other acute ischemic heart disease	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	0	0	0
Other forms of chronic ischemic heart disease	131	0	*	*	*	0	6	0	*	0	0	34	0	*	6	*	*	0	70†	13	9	14	25	61
Atherosclerotic cardiovascular disease	43	0	0	0	*	0	0	0	*	0	0	17	0	*	*	*	*	0	30†	*	*	7	*	20†
All other forms of chronic ischemic heart disease	88	0	*	*	*	0	6	0	*	0	0	17	0	*	*	*	*	0	40†	8	7	7	22	44
Other heart diseases	79	0	0	*	0	0	*	0	*	0	0	20	0	*	*	*	7	0	40†	10	7	9	11	37
Acute and subacute endocarditis	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	*	0	0	0	0†
Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heart failure	17	0	0	*	0	0	0	0	0	0	*	0	*	*	0	0	0	0	10†	0	*	*	*	10†
All other forms of heart disease	60	0	0	0	0	0	*	0	*	0	0	15	0	0	0	*	7	0	30†	9	6	*	8	30†

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																Resided off reservation					
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona
Essential (primary) hypertension and hypertensive renal disease	36	0	0	0	*	0	6	0	*	*	0	*	0	*	0	*	0	20†	9	*	*	*	20†
Cerebrovascular diseases	60	0	0	0	0	0	*	0	*	0	0	15	0	*	*	*	*	40†	*	*	*	13	20†
Atherosclerosis	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	0	0	0	0	0
Other diseases of circulatory system	10†	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	*	0†	*	*	0	*	0†
Aortic aneurysm and dissection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	10†	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	*	0†	*	*	0	*	0†
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†
Influenza and pneumonia	62	0	0	0	0	0	0	0	*	0	0	18	0	0	*	*	*	30†	9	*	*	14	30†
Influenza	10†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	*	*	0	*	0†
Pneumonia	56	0	0	0	0	0	0	0	*	0	0	16	0	0	*	*	*	30†	8	*	*	12	30†
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	38	*	0	0	0	0	*	0	*	0	0	9	0	0	*	*	*	20†	8	*	*	7	20†
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	0
Asthma	10†	*	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	0	0	0	*	0†
Other chronic lower respiratory diseases	31	0	0	0	0	0	*	0	*	0	0	6	0	0	*	*	*	20†	8	*	*	6	20†
Pneumoconioses and chemical effects	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	0	0	0	0	0
Pneumonitis due to solids and liquids	18	0	0	0	0	0	*	0	*	0	0	*	0	0	*	0	0	10†	0	*	*	8	10†
Other disease of respiratory system	38	0	0	0	0	0	*	0	0	0	0	17	0	0	*	0	*	20†	*	*	*	7	20†
Peptic ulcer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0
Chronic liver disease and cirrhosis	217	0	0	*	*	0	22	*	0	*	0	34	*	7	15	12	9	110†	44	15	17	35	111
Alcoholic liver disease	184	0	0	*	*	0	18	*	0	*	0	30	*	7	15	10	9	100†	38	12	11	27	88
Other chronic liver disease and cirrhosis	33	0	0	0	0	0	*	0	0	0	0	*	0	0	*	0	0	10†	6	*	6	8	20†
Cholelithiasis and other disorders of gallbladder	10†	0	0	0	0	0	*	0	0	0	0	0	0	*	0	0	0	0†	0	*	0	*	0†
Nephritis, nephrotic syndrome and nephrosis	49	0	0	0	0	0	*	0	*	*	*	10	0	*	*	*	*	30†	*	*	*	9	20†
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	49	0	0	0	0	0	*	0	*	*	*	10	0	*	*	*	*	30†	*	*	*	9	20†
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, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation															Resided off reservation								
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Kaibab Indian Reservation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total	
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	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	0	0	
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	
Perinatal conditions	13	0	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	10†	*	*	0	*	10†
Congenital anomalies, deformations and chromosomal abnormalities	19	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	*	0	10†	*	*	*	8	10†	
Symptoms, signs, abnormal findings	108	0	0	0	*	0	10	0	*	*	0	41	0	*	*	*	*	0	60†	14	*	7	20	40†	
Total accidents	363	0	*	*	*	*	17	*	*	*	0	125	0	9	15	10	20	0	210†	54	19	18	64	155	
Transport accidents	152	0	0	0	*	0	12	0	*	0	0	53	0	*	7	*	7	0	90†	21	*	11	27	60†	
Motor vehicle accidents	143	0	0	0	*	0	11	0	*	0	0	49	0	*	6	*	7	0	80†	20	*	10	26	60†	
Other land transport accidents	10†	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	0	*	0†	
Water, air, space	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0†	*	0	*	0	0†	
Nontransport accidents	211	0	*	*	*	*	*	*	*	*	0	72	0	8	8	*	13	0	120†	33	14	7	37	91	
Falls	37	0	0	*	0	0	*	0	*	*	0	10	0	0	*	*	*	0	20†	8	*	*	*	20†	
Accidental discharge of firearms	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0†	
Accidental drowning and submersion	10†	0	0	0	0	0	*	0	0	0	0	*	0	*	*	0	*	0	10†	*	0	0	0	0†	
Accidental exposure to smoke, fire and flames	10†	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	*	0	10†	0	0	0	*	0†	
Accidental poisoning	110	0	0	0	0	0	*	*	0	0	0	38	0	7	*	*	8	0	60†	15	10	*	22	50†	
Excessive natural heat	10†	0	0	*	*	0	0	0	0	0	0	*	0	0	*	0	*	0	10†	*	0	0	*	0†	
Excessive natural cold	10†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	10†	0	0	*	*	10†	
Other and unspecified nontransport accidents	48	0	*	*	*	*	0	0	0	0	0	17	0	0	*	0	*	0	30†	9	*	*	9	20†	
Intentional self-harm (suicide)	75	0	0	0	0	0	*	0	0	*	0	18	0	*	*	*	7	0	40†	16	7	*	12	40†	
By discharge of firearms	10†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	*	*	0	*	10†	
By other means	67	0	0	0	0	0	*	0	0	*	0	17	0	*	*	*	7	0	30†	14	*	*	10	30†	
Assault (homicide)	51	0	0	*	0	0	6	0	*	0	0	9	0	0	*	*	*	0	30†	10	*	*	9	30†	
By discharge of firearms	22	0	0	0	0	0	*	0	0	0	0	*	0	0	0	0	0	0	10†	9	*	0	*	20†	
By other means	29	0	0	*	0	0	*	0	*	0	0	7	0	0	*	*	*	0	20†	*	*	*	*	10†	
Legal intervention	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	6	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	0	0	
Other and unspecified events of undetermined intent	19	0	0	0	0	0	0	0	*	0	0	6	0	0	*	*	*	0	10†	*	*	0	*	10†	
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Complications of medical and surgical care	0†	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0†	0	*	0	0	0†	
INJURY BY FIREARMS	35	0	0	*	0	0	*	0	0	0	0	*	0	0	0	*	0	0	10†	11	6	*	7	30†	
DRUG-INDUCED DEATHS	50	0	0	0	0	0	*	*	0	0	0	7	0	*	*	*	*	0	20†	12	8	*	10	30†	
OPIOID-INDUCED DEATHS	20†	0	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0†	*	7	0	*	20†		
ALCOHOL-INDUCED DEATHS	316	0	0	*	*	0	18	*	0	*	0	80	*	10	18	13	21	0	170†	59	16	21	52	148	

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, 2016

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Cocoino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total, all causes	2,350+	470	7	277	107	32	1	35	433	42	410	259	168	0	34	23	48
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
Enterocolitis due to Clostridium difficile	10+	*	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
Respiratory tuberculosis	0+	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	40+	6	0	*	*	*	0	0	6	*	11	6	*	0	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	*
Human immunodeficiency virus (HIV) disease	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
Other and unspecified infectious and parasitic diseases	20+	*	0	*	*	*	0	0	*	0	*	*	*	0	0	0	*
Malignant neoplasms	220+	44	*	26	9	*	*	7	33	*	38	25	19	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	0+	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Malignant neoplasm of stomach	20+	*	*	*	0	*	0	0	*	0	*	*	*	0	0	0	0
Malignant neoplasm of colon, rectum and anus	20+	*	0	*	*	*	0	*	*	*	*	*	*	0	0	0	0
Malignant neoplasm of liver and intrahepatic bile ducts	30+	*	0	*	0	*	0	*	*	0	6	6	*	0	*	0	0
Malignant neoplasm of pancreas	20+	*	*	*	*	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
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	*	*	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	10+	*	0	*	*	0	0	*	0	0	*	*	*	0	*	0	*
Malignant neoplasm of prostate	10+	*	0	*	0	0	0	*	*	0	*	0	*	0	0	0	0
Malignant neoplasm of kidney and renal pelvis	20+	*	0	*	*	*	*	0	*	0	*	*	*	0	0	0	0
Malignant neoplasm of bladder	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, 2016

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 CNS	0†	*	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	*	0	*	0	0	0	0	*	0	*	*	0	0	0	0	0
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	10†	*	0	0	0	0	0	0	*	0	*	*	0	0	0	0	0
Leukemia	0†	0	0	*	0	0	0	0	*	0	0	*	0	0	0	0	0
Multiple myeloma and immunoproliferative neoplasms	0†	0	0	*	0	0	0	0	*	0	0	*	0	0	0	0	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	30†	12	0	*	*	*	0	0	*	*	6	*	*	0	*	0	0
In situ neoplasms	10†	*	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0
Anemias	10†	*	0	*	0	0	0	0	0	0	*	0	0	0	0	0	0
Diabetes	180†	28	0	8	9	*	0	6	40	*	20	27	25	0	*	*	*
Nutritional deficiencies	10†	*	0	*	*	0	0	0	0	0	0	*	0	0	*	0	0
Malnutrition	10†	*	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	10†	0	0	*	0	0	0	0	*	*	*	0	*	0	0	0	0
Meningitis	0†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Parkinson's disease	10†	*	0	*	0	0	0	*	0	0	*	*	0	0	0	0	0
Alzheimer's disease	40†	6	*	7	*	0	0	0	10	*	7	*	*	0	*	0	*
Major cardiovascular diseases	390†	73	*	53	16	*	0	8	62	*	74	48	23	0	7	7	8
Diseases of heart	290†	55	0	42	11	*	0	7	41	*	55	37	14	0	*	6	8
Acute rheumatic fever and chronic rheumatic heart disease	0†	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	*
Hypertensive heart disease	20†	*	0	*	0	0	0	*	*	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	180†	39	0	27	8	*	0	*	23	*	34	24	7	0	*	6	*
Acute myocardial infarction	50†	12	0	*	*	*	0	0	*	*	12	10	*	0	*	*	0
Other acute ischemic heart disease	0†	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of chronic ischemic heart disease	130†	27	0	22	6	0	0	*	18	*	22	14	*	0	*	*	*
Atherosclerotic cardiovascular disease	40†	10	0	12	*	0	0	0	7	0	6	*	0	0	*	0	0
All other forms of chronic ischemic heart disease	90†	17	0	10	*	0	0	*	11	*	16	10	*	0	0	*	*
Other heart diseases	80†	11	0	12	*	*	0	*	12	*	19	12	*	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	0
Heart failure	20†	*	0	*	*	*	0	*	*	0	*	*	0	0	0	0	0
All other forms of heart disease	60†	8	0	7	*	0	0	0	10	*	15	11	*	0	*	0	*
Essential (primary) hypertension and hypertensive renal disease	40†	*	0	*	*	0	0	0	13	*	6	*	*	0	*	0	0
Cerebrovascular diseases	60†	14	*	9	*	*	0	*	7	0	11	7	*	0	*	*	0

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2016

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
Other diseases of circulatory system	10†	*	0	0	0	0	0	0	*	0	0	*	*	0	*	0	0
Aortic aneurysm and dissection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	10†	*	0	0	0	0	0	0	*	0	0	*	*	0	*	0	0
Other disorders of circulatory system	0†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Influenza and pneumonia	60†	15	0	7	*	*	0	0	9	0	18	8	*	0	0	0	0
Influenza	10†	*	0	0	0	0	0	0	*	0	*	*	0	0	0	0	0
Pneumonia	60†	13	0	7	*	*	0	0	8	0	16	7	*	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	40†	*	*	*	*	0	0	0	8	*	8	*	*	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	0	0
Asthma	10†	*	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0
Other chronic lower respiratory diseases	30†	*	*	*	*	0	0	0	8	*	6	*	*	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†	6	0	*	*	0	0	0	0	*	*	*	*	0	0	0	*
Other disease of respiratory system	40†	15	0	*	*	0	0	0	*	0	10	*	*	0	*	0	0
Peptic ulcer	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
Hernia	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Chronic liver disease and cirrhosis	220†	22	0	27	13	*	0	*	57	*	29	28	23	0	*	*	*
Alcoholic liver disease	180†	18	0	21	13	*	0	*	50	*	27	23	20	0	*	*	*
Other chronic liver disease and cirrhosis	30†	*	0	6	0	0	0	*	7	*	*	*	*	0	*	*	0
Cholelithiasis and other disorders of gallbladder	10†	0	0	0	0	0	0	0	*	0	*	*	*	0	0	0	0
Nephritis, nephrotic syndrome and nephrosis	50†	8	0	*	*	*	0	0	*	*	12	8	*	0	*	0	*
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	50†	8	0	*	*	*	0	0	*	*	12	8	*	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	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, 2016

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	0	0	0
Perinatal conditions	10†	*	0	*	*	*	0	0	*	*	*	*	0	0	*	0	0
Congenital anomalies, deformations and chromosomal abnormalities	20†	6	0	*	*	0	0	0	*	0	*	*	*	0	0	0	*
Symptoms, signs, abnormal findings	110†	36	0	15	*	0	0	0	22	*	16	*	6	0	0	0	*
Total accidents	360†	86	*	50	14	*	0	*	69	*	66	29	18	0	*	*	12
Transport accidents	150†	38	*	19	*	*	0	0	25	0	27	10	15	0	*	0	7
Motor vehicle accidents	140†	37	*	16	*	*	0	0	24	0	25	10	14	0	*	0	7
Other land transport accidents	10†	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
Nontransport accidents	210†	48	0	31	9	0	0	*	44	*	39	19	*	0	*	*	*
Falls	40†	*	0	*	*	0	0	*	9	*	9	6	*	0	*	0	*
Accidental discharge of firearms	1	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
Accidental exposure to smoke, fire and flames	10†	*	0	*	0	0	0	0	*	*	*	0	0	0	0	0	0
Accidental poisoning	110†	27	0	19	*	0	0	*	22	0	20	11	*	0	0	*	*
Excessive natural heat	10†	0	0	0	*	0	0	*	*	0	*	0	0	0	0	0	0
Excessive natural cold	10†	6	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified nontransport accidents	50†	14	0	7	*	0	0	*	10	*	7	*	0	0	0	*	0
Intentional self-harm (suicide)	80†	12	0	8	*	*	0	0	19	*	16	8	*	0	*	*	*
By discharge of firearms	10†	0	0	0	0	0	0	0	*	0	*	*	0	0	*	*	0
By other means	70†	12	0	8	*	*	0	0	17	*	15	*	*	0	0	0	*
Assault (homicide)	50†	9	0	7	*	0	0	*	11	0	6	6	6	0	0	0	0
By discharge of firearms	20†	*	0	*	0	0	0	0	10	0	*	*	*	0	0	0	0
By other means	30†	6	0	6	*	0	0	*	*	0	*	*	*	0	0	0	0
Legal intervention	0†	0	0	*	0	0	0	*	0	0	0	0	0	0	0	0	0
Events of undetermined intent	20†	6	0	*	*	0	0	0	*	0	*	*	0	0	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†	6	0	*	*	0	0	0	*	0	*	*	0	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	0†	0	0	0	0	0	0	0	0	0	0	*	*	0	0	0	0
INJURY BY FIREARMS	40†	*	0	*	0	0	0	*	12	0	*	7	*	0	*	*	*
DRUG-INDUCED DEATHS	50†	*	0	6	*	0	0	*	15	0	7	10	*	0	0	*	*
OPIOID-INDUCED DEATHS	20†	0	0	0	*	0	0	*	7	0	*	7	0	0	0	0	*
ALCOHOL-INDUCED DEATHS	320†	54	0	46	18	*	0	*	74	*	56	30	21	0	*	*	*

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

5.8

DEATHS FROM MOTOR VEHICLE INJURIES AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP, ARIZONA, 2016

	TOTAL	Resided on reservation									Resided off reservation					
		Fort McDowell Yavapai Nation Reservation	Gila River Indian Community	Hopi Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL	
TOTAL	ALL AGES	140†	0†	10†	0†	0†	50†	0†	10†	10†	80†	20†	10†	10†	30†	60†
	<1	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
	1-4	0†	0	0	0	0	*	0	0	0	0†	0	0	0	*	0†
	5-14	6	0	0	0	0	*	*	0	0	10†	0	0	0	0	0
	15-24	25	0	*	0	0	7	0	*	0	20†	*	*	*	6	10†
	25-34	34	*	*	0	0	*	0	*	0	20†	7	*	*	*	20†
	35-44	29	0	*	0	0	12	0	0	*	20†	*	*	*	*	10†
	45-54	27	0	*	0	0	10	0	*	*	10†	*	0	*	6	10†
	55-64	10†	*	0	0	0	*	0	0	0	0†	*	0	0	*	0†
	65-74	0†	0	0	0	0	*	0	0	0	0†	*	0	0	*	0†
	75-84	0†	0	0	*	*	0	0	0	0	0†	0	0	0	*	0†
	85+	0†	0	0	0	0	*	0	0	0	0†	0	0	0	*	0†
M	ALL AGES	100†	0	10†	0†	0†	30†	0†	10†	0†	50†	20†	0†	10†	20†	50†
	<1	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†
	5-14	0†	0	0	0	0	*	*	0	0	0†	0	0	0	0	0
	15-24	10†	0	*	0	0	*	0	*	0	10†	*	0	0	*	10†
	25-34	26	0	*	0	0	*	0	*	0	10†	*	*	*	*	20†
	35-44	20	0	*	0	0	8	0	0	*	10†	*	*	*	*	10†
	45-54	23	0	*	0	0	8	0	*	0	10†	*	0	*	6	10†
	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†
	75-84	0†	0	0	0	*	0	0	0	0	0†	0	0	0	*	0†
	85+	0†	0	0	0	0	*	0	0	0	0†	0	0	0	*	0†
F	ALL AGES	40†	0†	0†	0	0	20†	0	0	0†	30†	10†	0†	0†	10†	10†
	<1	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
	1-4	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
	5-14	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
	15-24	10†	0	*	0	0	*	0	0	0	10†	0	*	*	*	10†
	25-34	10†	*	*	0	0	*	0	0	0	10†	*	*	0	0	0†
	35-44	10†	0	0	0	0	*	0	0	*	10†	*	0	0	*	0†
	45-54	0†	0	*	0	0	*	0	0	*	0†	0	0	0	0	0
	55-64	0†	*	0	0	0	*	0	0	0	0†	*	0	0	0	0†
	65-74	0†	0	0	0	0	0	0	0	0	0	0	0	0	*	0†
	75-84	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
	85+	0†	0	0	0	*	0	0	0	0	0†	0	0	0	0	0

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

5.9
INTENTIONAL SELF-HARM (SUICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE,
GENDER, AND AGE GROUP, ARIZONA, 2016

		TOTAL								Resided off reservation					
			Gila River Indian Community	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	80†	0†	0†	20†	0†	0†	0†	10†	40†	20†	10†	10†	10†	40†
	5-14	0†	0	0	*	0	0	0	*	0†	0	0	0	0	0
	15-24	30	*	*	7	0	*	0	*	10†	8	*	*	*	20†
	25-34	24	0	0	6	0	*	*	*	10†	6	*	*	*	10†
	35-44	10†	0	0	*	*	*	*	0	10†	*	*	*	*	10†
	45-54	10†	*	0	*	0	0	0	0	0†	0	0	0	*	0†
	55-64	0†	0	0	0	0	0	0	0	0	0	0	0	*	0†
M	ALL AGES	60†	0†	0†	20†	0	0†	0†	0†	30†	10†	10†	0†	10†	30†
	5-14	0†	0	0	*	0	0	0	0	0†	0	0	0	0	0
	15-24	23	*	*	6	0	*	0	*	10†	*	*	*	*	10†
	25-34	17	0	0	6	0	*	*	*	10†	*	*	*	*	10†
	35-44	10†	0	0	*	0	*	*	0	0†	*	*	*	*	10†
	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†
F	ALL AGES	20†	0	0	0†	0†	0†	0	0†	10†	10†	0†	0†	0†	10†
	5-14	0†	0	0	0	0	0	0	*	0†	0	0	0	0	0
	15-24	10†	0	0	*	0	0	0	*	0†	*	0	0	*	0†
	25-34	10†	0	0	0	0	*	0	*	0†	*	*	*	0	10†
	35-44	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†
	55-64	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, 2016**

		TOTAL	Resided on reservation								Resided off reservation				
			Colorado River Indian Tribe	Gila River Indian Community	Hopi Tribe	Navajo Nation	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	50†	0†	10†	0†	10†	10†	0†	0†	30†	10†	10†	0†	10†	30†
	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	0
	15-24	10†	0	*	0	*	*	0	*	10†	*	*	0	*	0†
	25-34	16	0	*	0	*	*	*	0	10†	*	*	0	*	10†
	35-44	10†	*	0	0	*	0	0	0	0†	*	*	*	*	10†
	45-54	10†	0	*	0	*	*	0	0	10†	0	0	0	*	0†
	55-64	10†	0	0	*	*	0	0	*	0†	0	*	*	0	0†
M	ALL AGES	40†	0	0†	0	10†	0†	0†	0†	20†	10†	0†	0†	10†	20†
	1-4	0	0	0†	0	0†	0†	0†	0†	0	0	0	0	0	0
	5-14	0	0†	0	0†	0	0	0	0	0	0	0	0	0	0
	15-24	10†	0†	0	0†	*	*	0	*	10†	0	*	0	*	0†
	25-34	14	0†	*	0†	*	*	*	0	10†	*	*	0	*	10†
	35-44	10†	0†	0	0†	*	0	0	0	0†	*	*	*	0	0†
	45-54	10†	0†	*	0†	*	*	0	0	10†	0	0	0	*	0†
	55-64	0†	0†	0	0†	0	0	0	*	0†	0	*	*	0	0†
F	ALL AGES	10†	0†	0†	0†	0†	1	0	0	10†	0†	1	0	0†	10†
	1-4	0†	0†	0†	0†	0†	1	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†
	25-34	0†	0	*	0†	0	0	0	0	0†	0	0	0	*	0†
	35-44	10†	1	0	0†	0	0	0	0	1	*	0	0	*	0†
	45-54	0†	0	0	0	0	0	0	0	0	0	0	0	*	0†
	55-64	0†	0	0	1	*	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, 2016**

		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	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	386	0†	0†	10†	0†	40†	10†	0†	90†	20†	20†	10†	10†	220†	50†	40†	20†	60†	170†
	15-24	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†
	35-44	33	0	0	0	0	6	*	*	7	*	*	*	0	20†	*	*	*	*	10†
	45-54	56	0	0	*	*	6	0	0	8	*	*	*	*	30†	18	6	0	*	30†
	55-64	88	*	0	*	0	7	0	0	16	6	7	*	*	50†	13	8	*	17	40†
	65-74	76	*	*	*	*	12	*	0	12	*	*	*	*	40†	10	10	*	15	40†
	75-84	77	0	0	0	*	8	*	*	30	*	7	*	*	60†	*	*	*	9	20†
	85+	45	0	0	0	0	*	0	0	15	0	*	*	*	20†	*	6	*	11	20†
M	ALL AGES	201	0†	0†	10†	0†	20†	0†	0†	60†	10†	10†	10†	10†	120†	20†	20†	10†	30†	80†
	15-24	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†
	35-44	23	0	0	0	0	*	*	0	7	0	0	*	0	10†	*	*	*	*	10†
	45-54	31	0	0	*	0	*	0	0	7	*	*	*	*	20†	7	*	0	*	10†
	55-64	50	*	0	*	0	*	0	0	13	*	*	*	*	30†	6	*	*	8	20†
	65-74	43	*	*	*	*	6	*	0	8	0	*	0	0	20†	*	7	*	7	20†
	75-84	30†	0	0	0	*	*	*	*	13	*	*	*	*	30†	*	*	0	*	0†
	85+	17	0	0	0	0	0	0	0	8	0	*	*	0	10†	*	*	*	*	10†
F	ALL AGES	190†	0†	0	0	0†	30†	0†	0†	30†	10†	10†	10†	10†	100†	30†	20†	10†	40†	90†
	15-24	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†
	35-44	10†	0	0	0	0	*	0	*	0	*	*	*	0	10†	*	0	*	0	0†
	45-54	25	0	0	0	*	*	0	0	*	*	0	0	*	10†	11	*	0	*	20†
	55-64	38	*	0	0	0	*	0	0	*	*	*	*	*	20†	7	*	*	9	20†
	65-74	33	0	0	0	0	6	0	0	*	*	0	*	*	20†	*	*	*	8	20†
	75-84	48	0	0	0	0	6	*	0	17	*	*	*	*	30†	*	*	*	8	20†
	85+	28	0	0	0	0	*	0	0	7	0	*	0	*	10†	*	*	*	10	20†

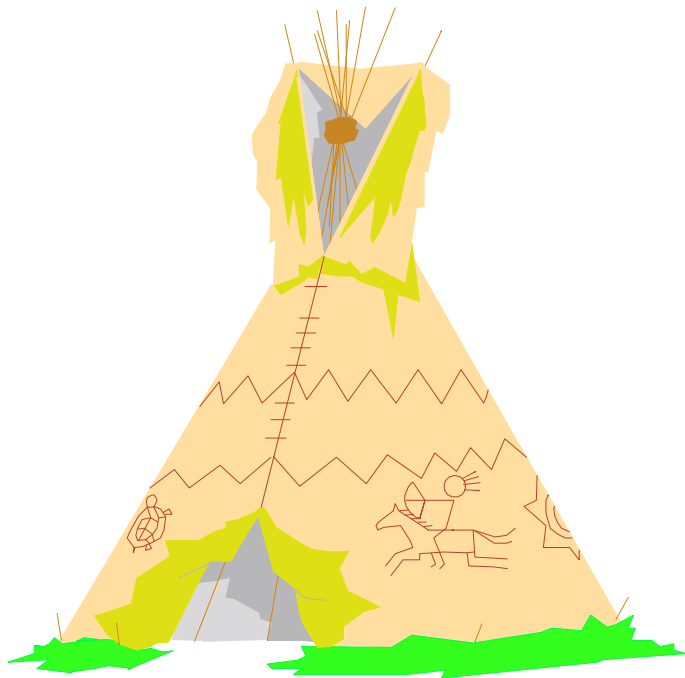
Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Diabetes-related: deaths due to diabetes reported as multiple cause of death (any mention of diabetes on the death certificate). The number of deaths due to diabetes as the underlying cause of death (180 in 2016) 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, 2016

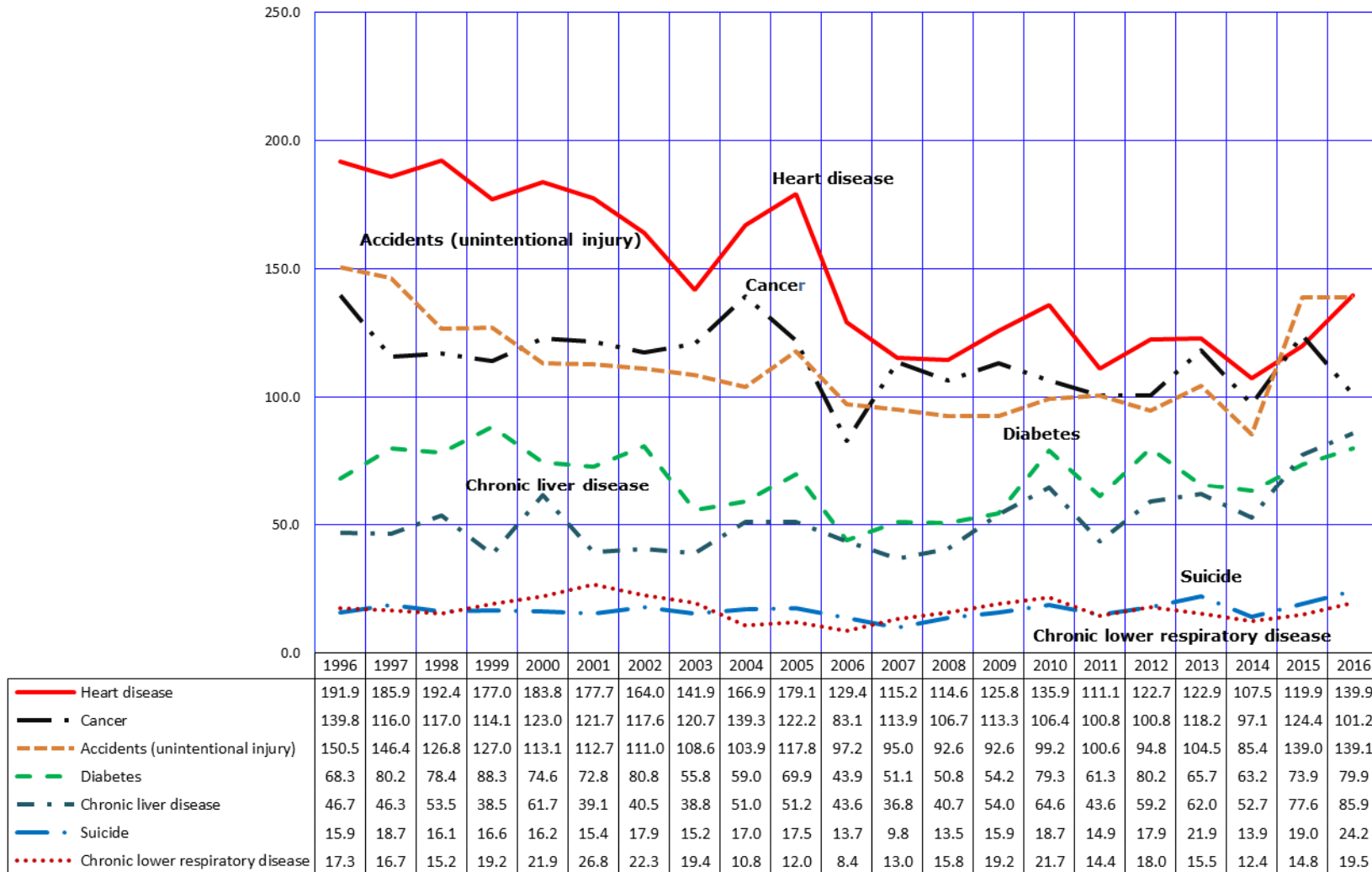
		TOTAL	Resided on reservation											Resided off reservation					
			Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Gila River Indian Community	Havasupai Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	316	0†	0†	20†	0†	0†	80†	0†	10†	20†	10†	20†	170†	60†	20†	20†	50†	150†
	15-24	7	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	*	10†
	25-34	41	0	0	*	0	*	7	0	*	*	*	8	20†	7	*	*	*	20†
	35-44	67	0	0	6	0	*	18	0	*	*	*	*	40†	12	*	*	10	30†
	45-54	100	*	0	*	*	0	30	0	*	*	*	*	50†	21	7	*	17	50†
	55-64	58	0	*	*	0	*	14	*	*	*	*	*	30†	11	*	*	11	30†
	65-74	35	0	0	*	*	0	8	0	0	*	*	0	20†	7	*	*	*	20†
	75-84	10†	0	0	0	0	0	*	0	0	*	0	*	10†	0	*	0	0	0†
M	ALL AGES	220†	0†	0	10†	0	0†	60†	0†	10†	20†	10†	20†	120†	40†	10†	10†	40†	100†
	15-24	10†	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	*	10†
	25-34	25	0	0	*	0	*	*	0	*	*	0	*	10†	6	*	*	*	10†
	35-44	52	0	0	*	0	*	15	0	*	*	*	*	30†	6	*	*	9	20†
	45-54	71	*	0	*	0	0	21	0	*	*	*	*	30†	14	6	*	15	40†
	55-64	40	0	0	*	0	*	10	*	*	*	*	*	30†	*	0	*	8	20†
	65-74	23	0	0	*	0	0	6	0	0	*	*	0	10†	*	0	*	*	10†
	75-84	10†	0	0	0	0	0	*	0	0	*	0	*	10†	0	*	0	0	0†
F	ALL AGES	90†	0	0†	10†	0†	0	20†	0	0†	0†	0†	10†	50†	20†	10†	10†	10†	40†
	15-24	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	0†
	25-34	16	0	0	0	0	0	*	0	*	0	*	*	10†	*	*	*	*	10†
	35-44	15	0	0	*	0	0	*	0	0	0	*	*	10†	6	*	*	*	10†
	45-54	29	0	0	*	*	0	9	0	*	*	*	*	20†	7	*	*	*	10†
	55-64	18	0	*	0	0	0	*	0	*	*	0	0	10†	6	*	*	*	10†
	65-74	10†	0	0	*	*	0	*	0	0	*	0	0	10†	*	*	*	0	10†
	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, 1996-2016



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 2016**

Rank	Female	Both	Male
1	Diseases of heart 102.3	Diseases of heart 139.9	Accidents (unintentional injury) 219.5
2	Cancer 94.6	Accidents (unintentional injury) 139.1	Diseases of heart 191.2
3	Accidents (unintentional injury) 67.9	Cancer 101.2	Cancer 110.7
4	Chronic liver disease and cirrhosis 67.2	Chronic liver disease and cirrhosis 85.9	Chronic liver disease and cirrhosis 107.3
5	Diabetes 63.5	Diabetes 79.9	Diabetes 100.4

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 2016" report.

5.15
Five Leading Causes of Death^a among American Indians by Gender and Residence
On or Off Reservation, Arizona, 2016

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	Accidents (unintentional injury) 12.4	Cancer 13.3	Accidents (unintentional injury) 20.2	Accidents (unintentional injury) 19.3
2	Diseases of heart 11.8	Diseases of heart 12.5	Diseases of heart 12.0	Diseases of heart 12.6
3	Cancer 10.5	Chronic liver disease and cirrhosis 10.2	Chronic liver disease and cirrhosis 8.8	Chronic liver disease and cirrhosis 9.6
4	Chronic liver disease and cirrhosis 8.5	Diabetes 7.8	Diabetes 8.4	Cancer 8.2
5	Diabetes 8.1	Accidents (unintentional injury) 6.6	Cancer 7.3	Diabetes 6.4

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, 2006-2016

Rank	Arizona male^b	American Indian male	Arizona female^b	American Indian female
1	Trachea, bronchus, lung 22.6	Liver 17.1	Trachea, bronchus, lung 23.0	Breast 12.8
2	Prostate 10.8	Prostate 11.4	Breast 15.7	Pancreas 11.1
3	Lymphoma 10.2	Stomach 9.5	Lymphoma 9.1	Ovary 10.3
4	Colon, rectum, anus 9.2	Trachea, bronchus, lung 9.5	Colon, rectum, anus 8.9	Colon, rectum, anus 9.4
5	Pancreas 7.7	Kidney 8.6	Pancreas 7.6	Liver 7.7
6	Liver 5.8	Lymphoma 8.6	Ovary 5.7	Stomach 6.0
7	Leukemia 4.2	Colon, rectum, anus 7.6	Leukemia 3.8	Corpus uteri and uterus 5.1
8	Bladder 4.2	Pancreas 6.7	Liver 3.3	Kidney 5.1
9	Esophagus 3.8	Non-Hodgkin's lymphoma 3.8	Non-Hodgkin's lymphoma 3.3	Trachea, bronchus, lung 4.3
10	Non-Hodgkin's lymphoma 3.4	Bladder 2.9	Corpus uteri and uterus 3.1	Lymphoma 3.4

Notes: ^a Percent of cancer deaths in specified group in 2006-2016.
^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, 2006-2016

Rank	Arizona male^b	American Indian male	Arizona female^b	American Indian female
1	Motor vehicle accidents 31.3	Motor vehicle-related 44.7	Falls 37.2	Motor vehicle-related 52.1
2	Poisoning by drugs 26.6	Poisoning by gases 14.9	Poisoning by drugs 25.1	Falls 13.1
3	Falls 20.4	Poisoning by drugs 10.4	Motor vehicle-related 21.8	Poisoning by drugs 11.0
4	Accidental discharge of firearms 7.2	Falls 7.3	Accidental discharge of firearms 2.3	Poisoning by gases 7.7
5	Poisoning by gases 3.5	Exposure to cold 4.6	Accidental drowning 1.9	Exposure to cold 1.9
6	Accidental drowning 3.3	Accidental drowning 2.9	Choked on other objects 1.9	Exposure to heat 1.7
7	Exposure to heat 1.8	Accidental discharge of firearms 2.8	Poisoning by gases 1.7	Accidental drowning 1.4
8	Choked on other objects 1.5	Mechanical suffocation 1.7	Misadventures to patients 1.4	Choked on other objects 1.4
9	Fire, flames, smoke 1.2	Fire, flames, smoke 1.4	Exposure to heat 1.3	Mechanical suffocation 1.3
10	Mechanical suffocation 1.1	Railway accidents 1.4	Choked on food 1.3	Misadventures to patients 1.3

Notes: ^a Percent of unintentional injury deaths in specified group in 2006-2016.

^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, 2006-2016

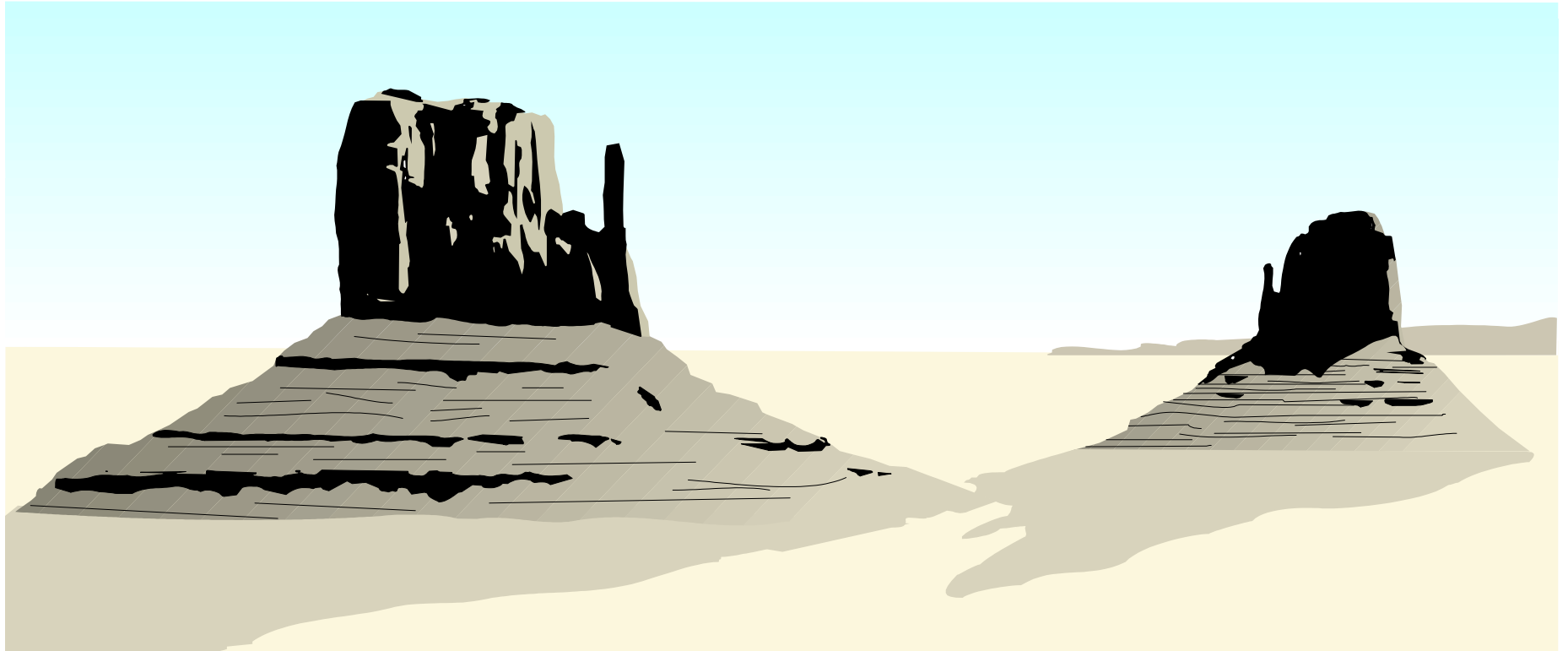
	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Malignant neoplasms, total	116,867	62,971	53,894	2,381	1,169	1,212
Malignant neoplasm of lip, oral cavity and pharynx	1,586	1,135	451	30	20	10
Malignant neoplasm of esophagus	3,146	2,535	611	62	42	20
Malignant neoplasm of stomach	2,194	1,295	899	155	95	60
Malignant neoplasm of colon, rectum and anus	10,532	5,662	4,869	213	111	102
Malignant neoplasm of liver and intrahepatic bile ducts	4,772	3,161	1,611	243	151	92
Malignant neoplasm of pancreas	7,967	4,232	3,735	161	76	85
Malignant neoplasm of larynx	641	506	135	10†	6	*
Malignant neoplasm of trachea, bronchus and lung	29,576	16,233	13,343	190	97	93
Malignant melanoma of skin	2,196	1,485	711	10†	*	*
Malignant neoplasm of breast	8,371	78	8,293	150†	*	146
Malignant neoplasm of cervix uteri	780	0	780	43	0	43
Malignant neoplasm of corpus uteri and uterus, part unspecified	1,510†	*	1,508	46	0	46
Malignant neoplasm of ovary	3,110†	*	3,109	95	0	95
Malignant neoplasm of prostate	6,366	6,357	9	134	134	0
Malignant neoplasm of kidney and renal pelvis	2,906	1,941	965	136	90	46
Malignant neoplasm of bladder	3,268	2,435	832	20	13	7
Malignant neoplasm of meninges, brain and other parts of central nervous system	3,245	1,821	1,424	42	26	16
Malignant neoplasm of lymphoid, hematopoietic and related tissue	11,755	6,785	4,970	237	115	122
Hodgkin's disease	232	138	94	10†	*	*
Non-Hodgkin's lymphoma	4,282	2,384	1,898	77	33	44
Leukemia	4,829	2,870	1,959	83	44	39
Multiple myeloma and immunoproliferative neoplasms	2,401	1,386	1,015	72	35	37
Other and unspecified malignant neoplasms of lymphoid tissue	10†	7	*	0	0	0
All other and unspecified malignant neoplasms	12,947	7,308	5,639	410	186	224

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, 2006-2016

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Unintentional injury, total	34,055	21,273	12,780	3,188	2,280	908
Railway accidents	103	89	14	37	31	6
Motor vehicle accidents	9,453	6,662	2,791	1,492	1,019	473
Water transport accident	24	18	6	0†	*	0
Accident involving aircraft	177	146	31	0†	*	0
Poisoning by drugs/medicaments	8,882	5,668	3,214	338	238	100
Poisoning by gases and vapors	969	752	217	410	340	70
Falls	9,089	4,334	4,754	286	167	119
Fire, flames, smoke	419	265	154	43	32	11
Excessive natural heat	553	385	168	46	31	15
Excessive natural cold	222	178	44	122	105	17
Contact with venomous snakes and lizards	10†	*	*	0†	*	0
Contact with venomous spiders	0†	0	*	0	0	0
Contact with scorpions	0	0	0	0	0	0
Contact with hornets, wasps, bees	10†	8	*	0	0	0
Bitten or struck by dog	19	10	9	10†	*	*
Lightning	10†	11	*	0†	*	0
Storms and floods	0†	*	0	0†	*	0
Accidental drowning and submersion	940	698	242	80	67	13
Choked on food	370	203	167	20†	18	*
Choked on other objects	560	323	237	42	29	13
Mechanical suffocation	330	225	105	51	39	12
Accidental discharge of firearms	1,837	1,539	298	72	64	8
Exposure to electric current	53	53	0	0†	*	0
Overexertion	10†	*	*	0	0	0
Adverse effects of drugs in therapeutic use	115	43	72	10†	6	*
Misadventures to patients during medical/surgical care	356	179	177	18	6	12

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a 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 liveborn 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 liveborn 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	2016 population of American Indians	2016 deaths among American Indians	Age-specific rates for American Indians in 2016	2000 standard	Age-adjusted rate for American Indians In 2016
A	B	C	D (C/B)*100000	E	F D*E
<1	4,727	42	888.5	.013818	12.3
1-4	19,657	16	81.4	.055317	4.5
5-14	47,686	17	35.6	.145565	5.2
15-24	50,200	101	201.2	.138646	27.9
25-34	45,849	209	455.8	.135573	61.8
35-44	35,030	227	648.0	.162613	105.4
45-54	33,840	352	1040.2	.134834	140.3
55-64	27,431	377	1374.4	.087247	119.9
65-74	15,748	353	2241.6	.066037	148.0
75-84	7,357	342	4648.6	.044842	208.5
85+	2,527	310	12267.5	.015508	190.2
	290,052	2,346		TOTAL	Σ 1023.9

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

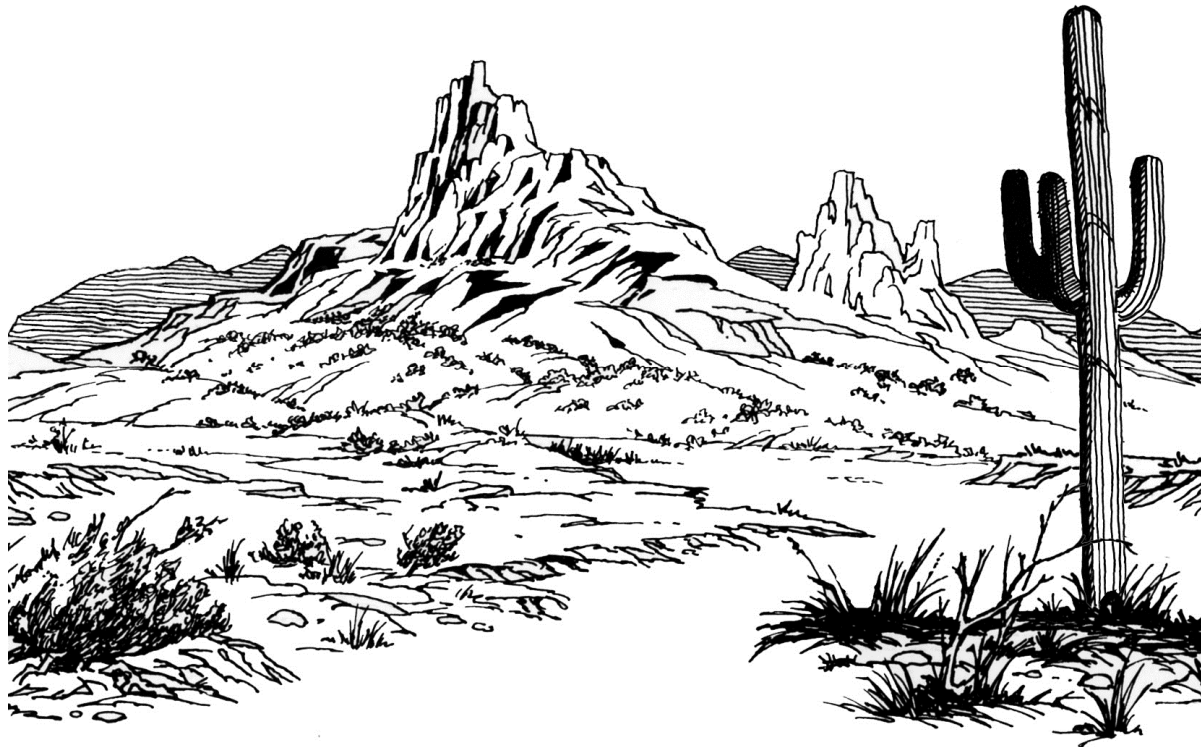
(1999 nationally), a new revision of the International Classification of Diseases was implemented. The Tenth Revision (ICD-10) has replaced the Ninth Revision (ICD-9), which was in effect since 1979.

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://www.azdhs.gov/plan> 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. In addition to the print and original online versions, the 2016 report is made available as a mobile-friendly e-book (<http://azdhs.gov/plan/epub/rotated-document-layout/>). 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