



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



ARIZONA DEPARTMENT  
OF HEALTH SERVICES

**2015  
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: 2015 DATA BOOK**

by

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# HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA 2015 DATA BOOK

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## INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 2015 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 2015.

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 2015 *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 2015 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 2005-2015 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 2015. 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.

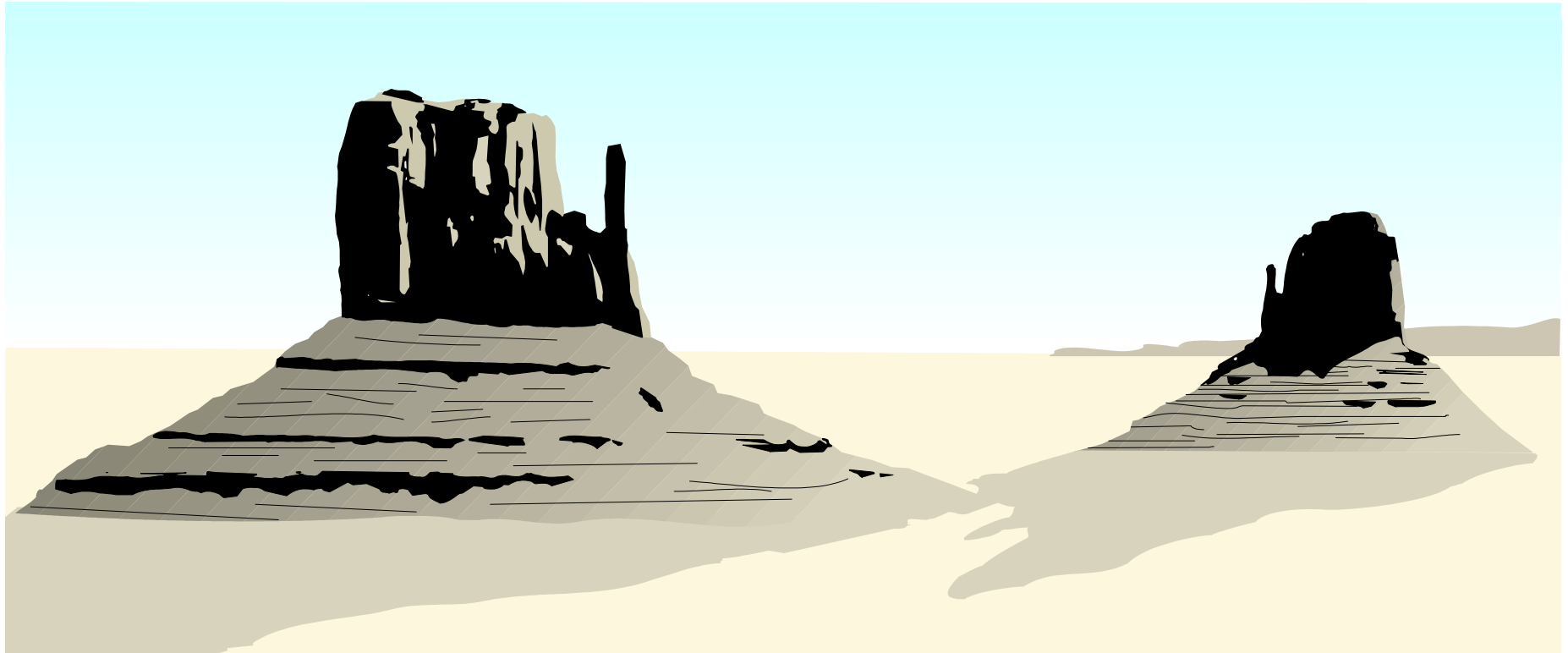
These sections are followed by the **Technical Notes**, which provide information about the sources of data and definitions of terms used in the report. The causes of death for 2005-2015 are classified by the Tenth Revision (ICD-10).

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 2015 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: 2015 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 1998–2015 are available at <http://www.azdhs.gov/plan/>



# 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 2015**



The risk profile presented on the following page summarizes how American Indians as a group compared in 2015 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 2015, AMERICAN INDIAN RESIDENTS OF ARIZONA:**

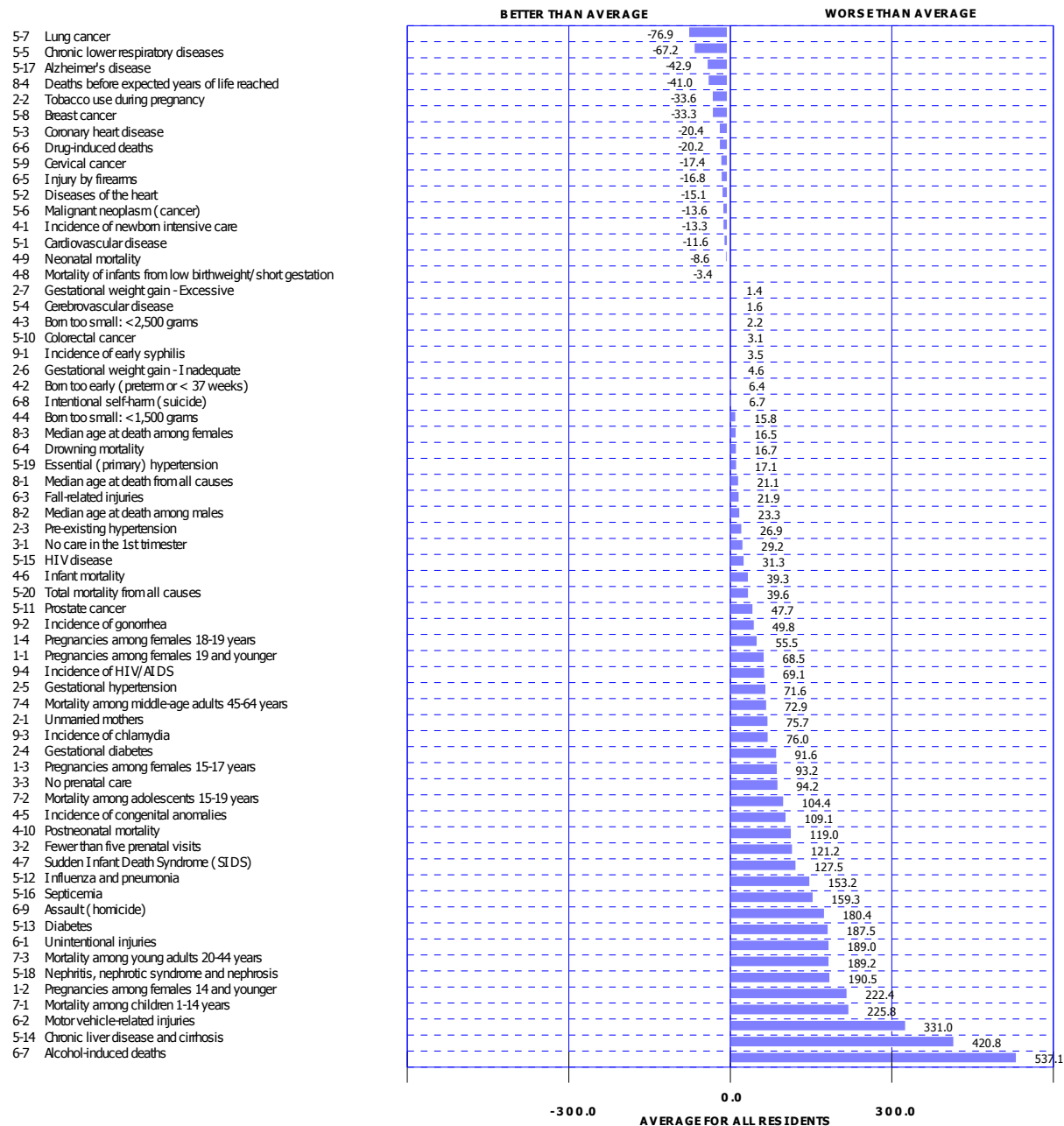
- ranked worse than the statewide average on 49 of 65 health indicators;
- had high mortality from alcohol-induced causes, chronic liver disease and cirrhosis, motor vehicle accidents, nephritis, unintentional injuries, diabetes, assault, septicemia, incidence of congenital anomalies, influenza and pneumonia, and sudden infant death syndrome: all contributing to the premature death rate of 77.4 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 (1) mortality rates for several chronic diseases (lung cancer, chronic lower respiratory diseases, Alzheimer's disease, breast cancer, coronary heart disease, cervical cancer, heart disease, all malignant neoplasms, and cardiovascular disease), (2) tobacco use during pregnancy, (3) drug induced deaths, and (4) injury by firearms.

\* The comparative risk profiles for American Indian, 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://www.azdhs.gov/plan/report/dhsag/index.htm>. 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 this indicators. A lower-than-average median age at death obviously reflects a worse off life expectancy.



## 2015 RISK PROFILE OF AMERICAN INDIANS

(Percent above or below the average rate or ratio of all Arizona residents in 2015)



**AMERICAN INDIANS' STANDING IN ARIZONA IN 2015  
ON 65 INDICATORS OF HEALTH STATUS**

**1. TEEN PREGNANCIES**

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

Figure Number	Indicator	2015 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2015	Definitions
1-1	Pregnancies among females 19 and younger	26.8	<b>68.5</b>	15.9	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	0.9	<b>222.4</b>	0.3	The sum of live births, fetal deaths, and abortions per 1,000 females aged 14 or younger.
1-3	Pregnancies among females 15-17 years old	27.3	<b>93.2</b>	14.1	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	90.8	<b>55.5</b>	58.4	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	2015 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2015	Definitions
2-1	Unmarried mothers	79.6	<b>75.7</b>	45.3	The number of births to unmarried mothers per 100 births.
2-2	Tobacco use during pregnancy	3.4	<b>-33.6</b>	5.2	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births.
2-3	Pre-existing hypertension	1.4	<b>26.9</b>	1.1	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	14.5	<b>91.6</b>	7.5	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy (the number of cases per 100 births).
2-5	Gestational hypertension	10.3	<b>71.6</b>	6.0	An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation (the number of cases per 100 births).
2-6	Gestational weight gain - Inadequate	23.3	<b>4.6</b>	22.2	The number of women giving birth whose gestational weight gain was inadequate in relation to pre-pregnancy body mass index (BMI).
2-7	Gestational weight gain - Excessive	46.7	<b>1.4</b>	46.1	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 2015  
ON 65 INDICATORS OF HEALTH STATUS (continued)**

**3. UTILIZATION OF PRENATAL CARE SERVICES**

(Per 100 live births)

Figure Number	Indicator	2015 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2015	Definitions
3-1	No care in the 1 <sup>st</sup> trimester	41.5	<b>29.2</b>	32.1	The number of mothers giving birth who received no prenatal care in the 1 <sup>st</sup> trimester of pregnancy per 100 births.
3-2	Fewer than five prenatal visits	14.6	<b>121.2</b>	6.6	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	4.3	<b>94.2</b>	2.2	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	2015 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2015	Definitions
4-1	Incidence of newborn intensive care	6.0	<b>-13.3</b>	6.9	The number of babies admitted to Newborn Intensive Care units per 100 births.
4-2	Born too early (preterm or < 37 weeks)	9.6	<b>6.4</b>	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 <sup>th</sup> week (259 <sup>th</sup> day), following onset of the last menstrual period.
4-3	Born too small: low-birthweight (<2,500 grams)	7.3	<b>2.2</b>	7.2	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	<b>15.8</b>	1.1	The number of newborns weighing less than 1,500 grams per 100 births. Very low-birthweight is any neonate whose weight at birth is 1,500 grams or less (less than 3 pounds 5 ounces).
4-5	Incidence of congenital anomalies (birth defects)	0.9	<b>109.1</b>	0.4	The numbers of babies born with birth defects per 100 births.
4-6	Infant mortality	7.8	<b>39.3</b>	5.6	The number of infant deaths per 1,000 live births. Infant death is any death at any time from birth up to, but not including, the first year of age (364 days, 23 hours, 59 minutes from the moment of birth).
4-7	Sudden Infant Death Syndrome (SIDS)	0.4	<b>127.5</b>	0.2	The number of infant deaths from Sudden Infant Death Syndrome (ICD-10 code R95) per 1,000 live births.
4-8	Mortality of infants from low birthweight/short gestation	0.6	<b>-3.4</b>	0.6	The number of infant deaths from low-birthweight/short gestation (ICD-10 code P07) per 1,000 live births.
4-9	Neonatal mortality	3.2	<b>-8.6</b>	3.5	The number of neonatal deaths per 1,000 live births. Neonatal death is death of a liveborn neonate before the neonate becomes 28 days old (up to and including 27 days, 23 hours, 59 minutes from the moment of birth).
4-10	Postneonatal mortality	4.6	<b>119.0</b>	2.1	The number of postneonatal deaths per 1,000 live births. Postneonatal death is any death of a liveborn infant at least 28 days of age but less than one year of age.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2015  
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	2015 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2015	Definitions
5-1	Cardiovascular disease	167.0	<b>-11.6</b>	189.0	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	119.9	<b>-15.1</b>	141.3	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	83.3	<b>-20.4</b>	104.6	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	31.6	<b>1.6</b>	31.1	The number of deaths from cerebrovascular disease (ICD-10 codes I60-I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	14.8	<b>-67.2</b>	45.1	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)	124.4	<b>-13.6</b>	144.0	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	8.1	<b>-76.9</b>	35.1	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	12.8	<b>-33.3</b>	19.2	The number of deaths from breast cancer (ICD-10 code C50) per 100,000 age-adjusted female population.
5-9	Cervical cancer	1.9	<b>-17.4</b>	2.3	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	13.3	<b>3.1</b>	12.9	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	26.0	<b>47.7</b>	17.6	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	23.8	<b>153.2</b>	9.4	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	73.9	<b>187.5</b>	25.7	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	77.6	<b>420.8</b>	14.9	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	2.1	<b>31.3</b>	1.6	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	14.0	<b>159.3</b>	5.4	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	21.3	<b>-42.9</b>	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)	18.3	<b>190.5</b>	6.3	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	13.0	<b>17.1</b>	11.1	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	965.3	<b>39.6</b>	691.3	Total number of deaths from all causes per 100,000 age-adjusted population.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2015  
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	2015 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2015	Definitions
6-1	Unintentional injuries	139.0	<b>189.0</b>	48.1	The number of deaths from unintentional injuries in accidents (ICD-10 codes V01–X59, Y85–Y86) per 100,000 age-adjusted population.
6-2	Motor vehicle-related injuries	54.3	<b>331.0</b>	12.6	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	15.6	<b>21.9</b>	12.6	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	1.4	<b>16.7</b>	1.2	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	11.4	<b>-16.8</b>	13.7	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	15.8	<b>-20.2</b>	19.8	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	111.5	<b>537.1</b>	17.5	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)	19.0	<b>6.7</b>	17.8	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)	15.7	<b>180.4</b>	5.6	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 2015  
ON 65 INDICATORS OF HEALTH STATUS (continued)**

**7. PREMATURE MORTALITY**

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

Figure Number	Indicator	2015 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2015	Definitions
7-1	Mortality of children 1-14 years old	50.3	<b>225.8</b>	15.4	The number of deaths per 100,000 children 1-14 years old.
7-2	Mortality of adolescents 15-19 years old	97.1	<b>104.4</b>	47.5	The number of deaths per 100,000 adolescents 15-19 years old.
7-3	Mortality of young adults 20-44 years old	423.9	<b>189.2</b>	146.6	The number of deaths per 100,000 young adults 20-44 years old.
7-4	Mortality of middle-aged adults 45-64 years old	1108.3	<b>72.9</b>	641.0	The number of deaths per 100,000 middle-aged adults 45-64 years old.

**8. AGE-SPECIFIC MORTALITY**

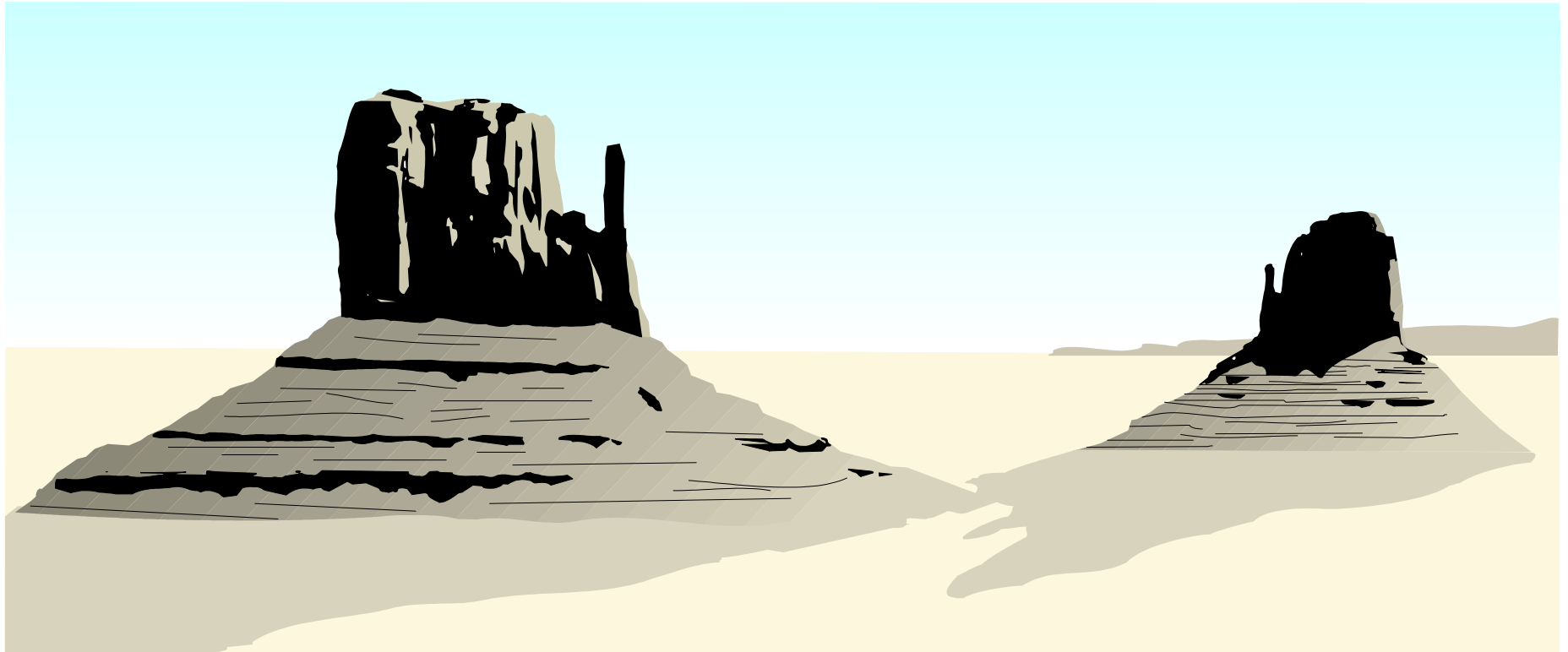
Figure Number	Indicator	2015 rate for American Indians	Percent above or below the average for all groups*	Average rate for all groups in 2015	Definitions
8-1	Median age at death from all causes	60.0	<b>21.1</b>	76.0	The median age (the age in the middle) of Arizonans who died in 2015.
8-2	Median age at death from all causes among males	56.0	<b>23.3</b>	73.0	The median age (the age in the middle) of Arizona males who died in 2015.
8-3	Median age at death from all causes among females	66.0	<b>16.5</b>	79.0	The median age (the age in the middle) of Arizona females who died in 2015.
8-4	Percent of total deaths before expected years of life reached	77.4	<b>-41.0</b>	54.9	The number of deaths before reaching 78.8 years (the life expectancy of all U.S. residents in 2015) 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	2015 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2015	Definitions
9-1	Incidence of early syphilis	14.6	<b>3.5</b>	14.1	Number of reported cases of early syphilis per 100,000 population.
9-2	Incidence of gonorrhea	183.3	<b>49.8</b>	122.4	Number of reported cases of gonorrhea per 100,000 population.
9-3	Incidence of chlamydia	846.7	<b>76.0</b>	481.1	Number of reported cases of chlamydia per 100,000 population.
9-4	Incidence of HIV/AIDS	18.5	<b>69.1</b>	10.9	Number of reported cases of HIV/AIDS per 100,000 population.



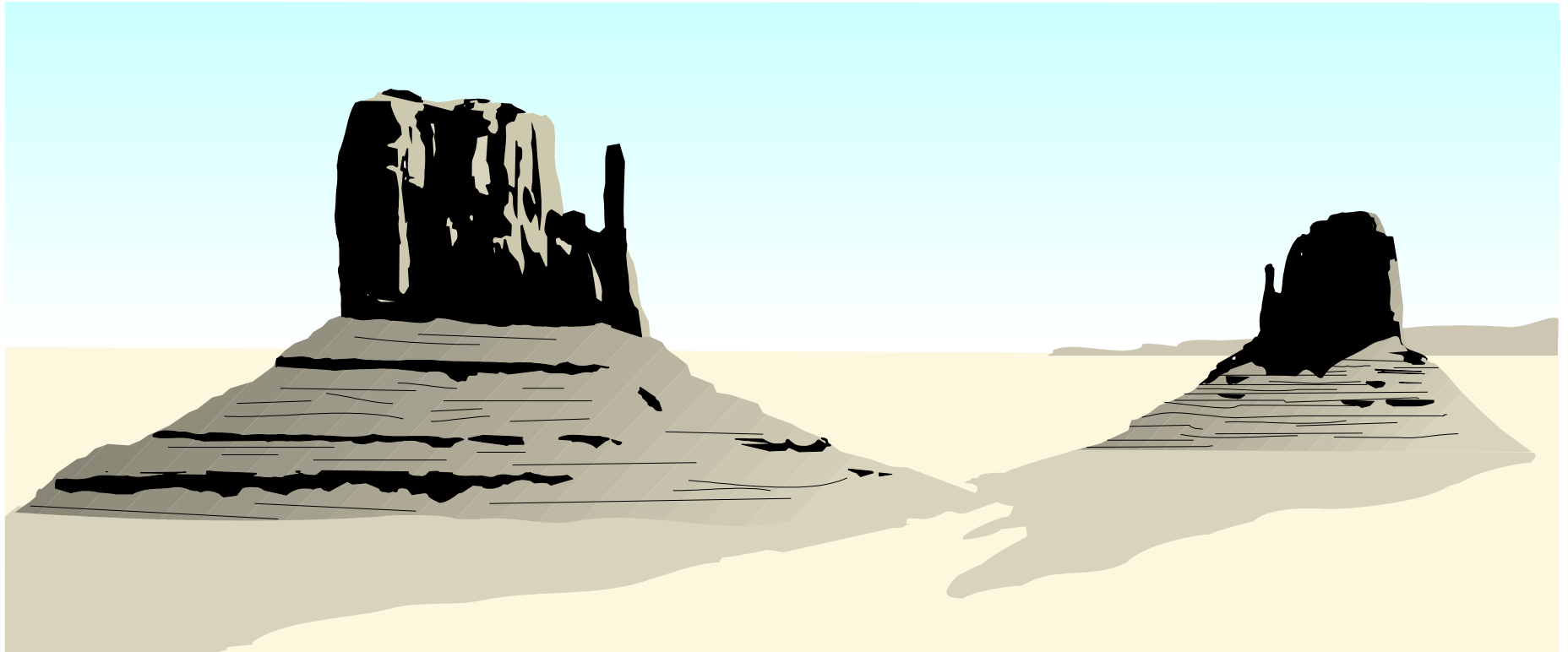
## **II.**

# **COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO SELECTED HEALTH OBJECTIVES FOR THE YEAR 2015**

**COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO  
SELECTED HEALTH OBJECTIVES FOR THE YEAR 2015**

<b>National Year 2010 Objectives / Healthy People 2020 Objectives</b>														
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)													
<b>Indicator</b>		<b>Objectives</b>												
		<b>2010</b>	<b>2020</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
2.1	Percent of American Indian women giving birth who received early prenatal care	90.0	77.9	67.9	65.9	65.9	65.1	66.0	69.4	68.6	68.2	68.7	58.4	58.5
2.2	Number of infant deaths per 1,000 American Indian live births (6 per 1,000)	6.0	6.0	8.3	6.4	8.1	8.2	8.4	8.1	7.4	7.4	6.6	8.7	7.8
2.3	Number of postneonatal (i.e., at least 28 days of age but less than one year of age) deaths per 1,000 American Indian live births (1.2 per 1000); (2.0 per 1000)	1.2	2.0	4.0	2.4	3.9	3.6	4.2	4.3	4.1	3.6	2.9	3.7	4.6
2.4	Number of unintentional injury deaths per 100,000 American Indian population <sup>a</sup> (17.5 per 100,000); (36.0 per 100,000)	17.5	36.0	117.8	97.2	95.0	92.6	92.6	99.2	100.6	94.8	104.5	85.4	139.0
2.5	Number of deaths caused by motor vehicle crashes per 100,000 American Indian population <sup>a</sup> (16 per 100,000); (12.4 per 100,000)	16.0	12.4	62.6	56.9	49.0	41.9	36.9	41.7	44.2	37.8	31.7	35.6	54.3
2.6	Number of suicides per 100,000 American Indian population <sup>a</sup> (10 per 100,000); (10.2 per 100,000)	10.0	10.2	17.5	13.7	9.8	13.5	15.9	18.7	14.9	17.9	21.9	13.9	19.0
2.7	Number of homicides per 100,000 American Indian population <sup>a</sup> (5 per 100,000); (5.5 per 100,000)	5.0	5.5	14.0	13.2	13.1	12.8	13.2	18.0	11.9	17.3	17.7	7.3	15.7
2.8	Number of deaths due to diabetes reported as the underlying or multiple cause of death per 100,000 American Indian population <sup>a</sup> (45 per 100,000); (65.8 per 100,000)	45.0	65.8	138.9	100.2	107.2	108.1	111.4	130.4	105.3	155.7	146.4	129.5	171.0
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 <sup>a</sup> (3 per 100,000); (8.2 per 100,000)	3.0	8.2	51.2	43.6	36.8	40.7	54.0	64.6	43.6	59.2	62.0	52.7	77.6
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 <sup>a</sup> (2 per 100,000); (2.2 per 100,000)	2.0	2.2	3.4	5.8	2.3	4.8	4.1	3.0	3.1	2.8	2.0	0.0	1.1

Note: <sup>a</sup> Age-adjusted to the 2000 US standard population.



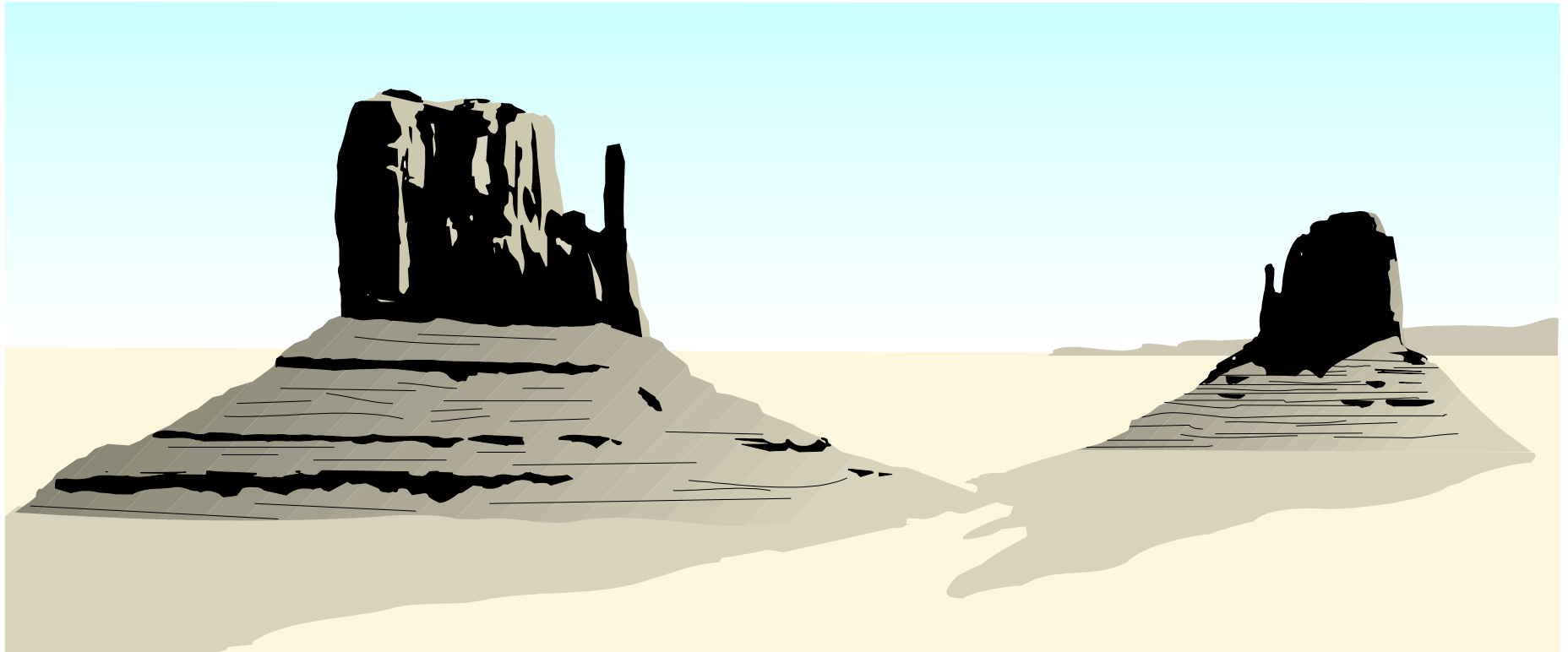
# **III.**

## **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**

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Median Age at Death from all Causes</b>											
All Arizonans	77.0	76.0	76.0	77.0	76.0	77.0	77.0	77.0	76.0	76.0	76.0
American Indians	59.0	57.0	59.0	59.0	59.0	58.0	60.0	59.0	60.0	61.0	60.0
<b>Births to Unmarried Mothers<sup>a</sup></b>											
All Arizonans	42.8	43.9	45.0	45.1	45.2	44.7	44.3	45.2	45.1	44.7	45.3
American Indians	72.9	74.8	75.9	75.8	76.9	77.7	77.1	78.5	79.2	78.9	79.6
<b>Incidence of Gonorrhea<sup>b</sup></b>											
All Arizonans	81.9	95.3	78.7	52.8	49.3	50.8	71.4	89.4	98.2	112.2	122.4
American Indians	142.6	125.7	94.4	73.3	50.0	85.1	162.8	185.7	224.6	206.5	183.3
<b>Low-Birthweight Births<sup>a</sup></b>											
All Arizonans	6.9	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.9	7.0	7.2
American Indians	7.3	7.4	6.6	6.7	6.4	7.0	6.9	6.7	7.2	6.1	7.3
<b>Births to Teenage Mothers<sup>a</sup></b>											
All Arizonans	12.5	12.7	12.6	12.3	11.8	10.8	9.9	9.5	8.5	7.6	6.9
American Indians	19.1	19.1	20.1	18.6	19.0	17.0	16.9	16.0	14.2	11.7	11.4
<b>Congenital Anomalies (Birth Defects)<sup>a</sup></b>											
All Arizonans	1.0	0.9	0.8	0.9	0.6	0.6	1.1	0.8	0.7	0.5	0.4
American Indians	1.5	1.2	1.4	0.9	0.8	0.6	1.4	0.9	0.8	0.8	0.9
<b>Gestational Hypertension<sup>c</sup></b>											
All Arizonans	30.9	28.8	31.0	35.3	36.1	39.1	41.9	45.2	55.8	52.4	59.9
American Indians	58.2	58.8	57.9	58.9	55.4	61.2	62.8	64.6	74.1	85.9	102.7
<b>Gestational Diabetes<sup>c</sup></b>											
All Arizonans	29.7	31.6	34.3	38.9	38.7	41.8	46.4	51.2	57.2	61.3	75.5
American Indians	82.5	72.0	80.4	82.0	82.2	77.9	93.3	99.3	111.4	121.5	144.7

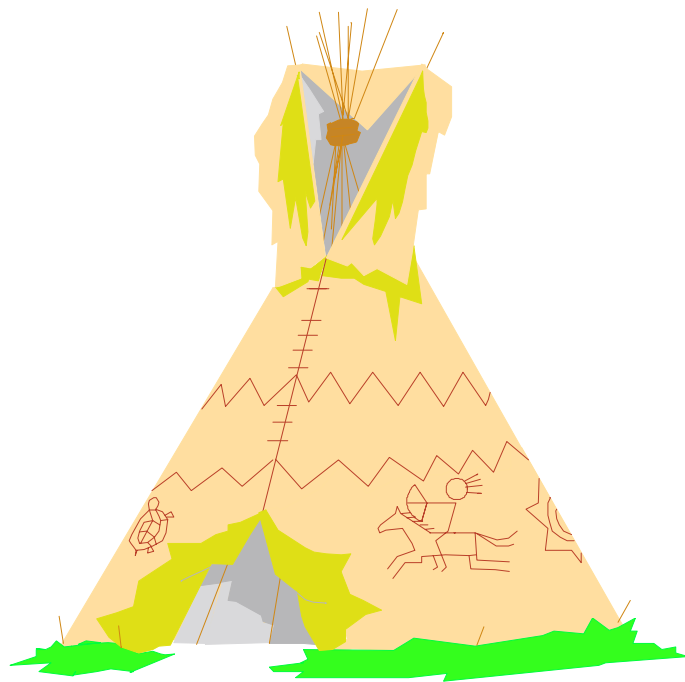
Notes: <sup>a</sup> Per 100 live births; <sup>b</sup> Per 100,000 population; <sup>c</sup> Per 1,000 births.



# **IV.**

## **CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND MOTHERS GIVING BIRTH BY PLACE OF RESIDENCE IN ARIZONA IN 2015**





## **SOCIODEMOGRAPHIC CHARACTERISTICS**

**4.1  
MATERNAL AGE (2015 STATUS)**

		TOTAL BIRTHS	Mother's age group								
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	10†	180†	390†	1,510†	1,470†	860†	460†	110†	10†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	0	0	*	*	*	*	*	*	0
	<b>Cocopah Tribe</b>	10†	0	0	*	*	*	0	0	0	0
	<b>Colorado River Indian Tribe</b>	20†	0	0	*	*	*	*	*	*	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	0	*	*	*	7	*	*	0	0
	<b>Fort Mohave Indian Tribe</b>	10†	0	0	0	*	*	*	0	0	0
	<b>Gila River Indian Community</b>	240†	0	8	25	80	61	42	16	*	0
	<b>Havasupai Tribe</b>	10†	0	0	0	*	*	*	*	0	0
	<b>Hopi Tribe</b>	107	0	7	6	34	26	20	8	6	0
	<b>Hualapai Tribe</b>	30†	0	0	*	13	6	*	*	0	0
	<b>Kaibab Indian Reservation</b>	0†	0	0	*	0	0	0	0	0	0
	<b>Navajo Nation</b>	1,230†	*	44	76	345	347	225	148	36	*
	<b>Pascua Yaqui Tribe</b>	20†	0	*	*	*	*	*	*	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	*	6	*	30	27	14	*	0	0
	<b>San Carlos Apache Tribe</b>	300†	*	12	30	106	89	33	22	*	*
	<b>Tohono O'Odham Nation</b>	130†	*	6	13	35	39	24	7	*	0
	<b>White Mountain Apache Tribe</b>	300†	*	17	25	107	71	55	19	*	0
	<b>Yavapai-Apache Nation</b>	10†	0	0	*	*	*	*	0	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	*	0	0	*	0	0	0
		<b>TOTAL</b>	2,510†	10†	100†	200†	780†	700†	430†	230†	60†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,270†	*	36	93	372	385	233	121	24	*
	<b>---in Pima County</b>	336	0	7	30	99	108	56	30	6	0
	<b>---in Coconino County</b>	290†	0	13	21	78	99	39	31	7	*
	<b>---elsewhere in Arizona</b>	586	0	19	41	175	184	101	49	17	0
		<b>TOTAL</b>	2,480†	0†	75	185	724	776	429	231	54

Notes: \* 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 (2015 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
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	110†	1,280†	1,670†	1,340†	360†	160†	60†	20†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	0	8	*	*	*	0	0	0
	<b>Cocopah Tribe</b>	10†	0	*	*	*	0	0	0	0
	<b>Colorado River Indian Tribe</b>	20†	0	6	*	*	*	0	0	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	0	*	*	7	*	*	0	*
	<b>Fort Mohave Indian Tribe</b>	6	0	0	6	0	0	0	0	0
	<b>Gila River Indian Community</b>	240†	15	98	78	34	6	*	0	*
	<b>Havasupai Tribe</b>	10†	*	*	*	0	0	0	0	0
	<b>Hopi Tribe</b>	110†	*	18	48	23	9	6	*	0
	<b>Hualapai Tribe</b>	30†	0	8	14	6	*	0	0	0
	<b>Kaibab Indian Reservation</b>	0†	0	*	0	0	0	0	0	0
	<b>Navajo Nation</b>	1,226	6	223	430	374	123	47	19	*
	<b>Pascua Yaqui Tribe</b>	20†	*	*	*	*	*	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	*	31	22	25	*	*	0	0
	<b>San Carlos Apache Tribe</b>	300†	10	94	123	60	6	*	0	*
	<b>Tohono O'Odham Nation</b>	130†	7	51	42	20	*	*	0	0
	<b>White Mountain Apache Tribe</b>	300†	*	132	105	47	7	*	*	0
	<b>Yavapai-Apache Nation</b>	10†	*	*	*	*	0	0	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	*	*	0	0	0	0
	<b>TOTAL</b>	2,510†	50†	690†	900†	610†	160†	70†	20†	10†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	29	285	364	397	106	55	24	6
	<b>---in Pima County</b>	336	9	104	98	86	23	10	*	*
	<b>---in Coconino County</b>	290†	*	48	109	79	33	12	6	0
	<b>---elsewhere in Arizona</b>	586	14	150	199	162	34	18	7	*
		<b>TOTAL</b>	2,477	50†	587	770	724	196	95	40†

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

**4.3  
MARITAL STATUS OF MOTHER (2015 STATUS)**

		TOTAL BIRTHS	Marital status		
			Married	Unmarried	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	950†	3,970†	70†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	15	7	8	0
	<b>Cocopah Tribe</b>	8	0	8	0
	<b>Colorado River Indian Tribe</b>	20†	*	13	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	*	12	0
	<b>Fort Mohave Indian Tribe</b>	6	0	6	0
	<b>Gila River Indian Community</b>	240†	20	212	*
	<b>Havasupai Tribe</b>	10†	*	9	0
	<b>Hopi Tribe</b>	107	9	98	0
	<b>Hualapai Tribe</b>	30	7	23	0
	<b>Kaibab Indian Reservation</b>	0†	0	*	0
	<b>Navajo Nation</b>	1,226	227	981	18
	<b>Pascua Yaqui Tribe</b>	20†	*	12	0
	<b>Salt River Pima-Maricopa Indian Community</b>	87	11	76	0
	<b>San Carlos Apache Tribe</b>	300†	45	250	*
	<b>Tohono O'Odham Nation</b>	130†	10	115	*
	<b>White Mountain Apache Tribe</b>	300†	75	218	*
	<b>Yavapai-Apache Nation</b>	10†	*	9	*
	<b>Yavapai-Prescott Indian Tribe</b>	0†	*	*	0
	<b>TOTAL</b>	2,510†	420†	2,050†	30†
	<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	278	967
<b>---in Pima County</b>		340†	43	289	*
<b>---in Coconino County</b>		290†	73	211	*
<b>---elsewhere in Arizona</b>		586	131	446	9
<b>TOTAL</b>		2,477	525	1,913	40†

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

**4.4**  
**RACE/ETHNICITY OF FATHER (2015 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
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	1,410†	610†	80†	2,870†	20†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	*	*	*	7	0
	<b>Cocopah Tribe</b>	10†	*	*	0	*	0
	<b>Colorado River Indian Tribe</b>	20†	7	*	0	7	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	6	*	0	*	*
	<b>Fort Mohave Indian Tribe</b>	10†	*	*	0	*	0
	<b>Gila River Indian Community</b>	240†	87	23	*	124	0
	<b>Havasupai Tribe</b>	10†	7	0	0	*	0
	<b>Hopi Tribe</b>	110†	23	0	*	83	0
	<b>Hualapai Tribe</b>	30†	7	*	0	22	0
	<b>Kaibab Indian Reservation</b>	0†	0	0	0	*	0
	<b>Navajo Nation</b>	1,230†	264	21	*	938	*
	<b>Pascua Yaqui Tribe</b>	20†	*	*	*	7	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	24	11	*	51	0
	<b>San Carlos Apache Tribe</b>	300†	97	*	0	198	0
	<b>Tohono O'Odham Nation</b>	130†	45	0	*	79	*
	<b>White Mountain Apache Tribe</b>	298	51	9	0	238	0
	<b>Yavapai-Apache Nation</b>	10†	*	*	0	6	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	*	*	0	0	0
	<b>TOTAL</b>	2,510†	640†	90†	10†	1,770†	0†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	392	316	50	495	13
	<b>---in Pima County</b>	340†	115	90	10	120	*
	<b>---in Coconino County</b>	290†	76	14	0	198	*
	<b>---elsewhere in Arizona</b>	590†	195	102	7	280	*
		<b>TOTAL</b>	2,477	778	522	67	1,093

Notes: \* 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 (2015 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
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	0	70†	220†	1,000†	1,100†	790†	460†	200†	90†	20†	10†	1,040†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	0	0	*	6	0	*	0	*	0	0	0	*
	<b>Cocopah Tribe</b>	10†	0	0	*	*	0	*	*	0	0	0	0	*
	<b>Colorado River Indian Tribe</b>	20†	0	0	*	*	*	0	0	*	*	0	0	7
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	0	*	0	*	*	*	0	*	0	0	0	*
	<b>Fort Mohave Indian Tribe</b>	10†	0	0	*	0	*	*	0	0	0	0	0	*
	<b>Gila River Indian Community</b>	240†	0	*	15	51	33	29	19	7	*	0	0	75
	<b>Havasupai Tribe</b>	10†	0	0	0	*	0	*	0	0	0	0	0	7
	<b>Hopi Tribe</b>	110†	0	*	6	19	28	15	6	7	*	0	0	22
	<b>Hualapai Tribe</b>	30†	0	*	*	9	*	*	*	*	0	0	0	*
	<b>Kaibab Indian Reservation</b>	0†	0	0	0	*	0	0	0	0	0	0	0	0
	<b>Navajo Nation</b>	1,230†	0	16	52	223	275	209	129	69	24	9	*	217
	<b>Pascua Yaqui Tribe</b>	20†	0	0	*	*	*	*	*	0	0	0	0	*
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	0	*	*	21	23	7	7	*	*	0	0	18
	<b>San Carlos Apache Tribe</b>	300†	0	7	11	69	56	40	10	*	*	*	0	95
	<b>Tohono O'Odham Nation</b>	130†	0	*	6	20	24	18	10	*	*	0	0	43
	<b>White Mountain Apache Tribe</b>	300†	0	9	17	68	81	42	28	6	*	*	0	42
	<b>Yavapai-Apache Nation</b>	10†	0	0	0	*	*	*	0	*	0	0	0	*
<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	0	*	0	*	0	0	0	0	0	*	
	<b>TOTAL</b>	2,510†	0	40†	120†	500†	540†	380†	210†	100†	40†	10†	0†	550†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,270†	0	18	52	263	287	205	130	52	14	*	*	240
	<b>---in Pima County</b>	340†	0	*	13	64	76	49	28	6	12	*	*	80
	<b>---in Coconino County</b>	290†	0	*	9	54	74	50	26	11	7	*	0	53
	<b>---elsewhere in Arizona</b>	590†	0	*	25	111	128	104	59	24	12	*	*	114
		<b>TOTAL</b>	2,477	0	30†	99	492	565	408	243	93	45	10†	10†

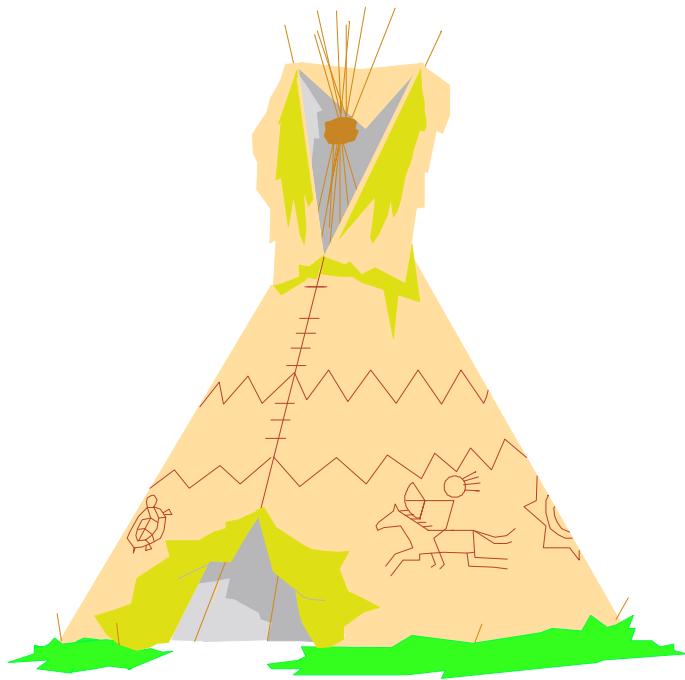
Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**4.6**  
**SOURCE OF PAYMENT FOR LABOR AND DELIVERY (2015 STATUS)**

		TOTAL BIRTHS	Payee for births				
			AHCCCS <sup>a</sup>	IHS	Private insurance	Self	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	3,294	1,030†	550†	100†	20†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	7	*	*	0	0
	<b>Cocopah Tribe</b>	10†	7	*	0	0	0
	<b>Colorado River Indian Tribe</b>	20†	9	*	0	0	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	6	*	8	*	0
	<b>Fort Mohave Indian Tribe</b>	6	6	0	0	0	0
	<b>Gila River Indian Community</b>	235	142	68	25	0	0
	<b>Havasupai Tribe</b>	10†	8	*	0	*	0
	<b>Hopi Tribe</b>	110†	81	9	15	*	0
	<b>Hualapai Tribe</b>	30†	24	*	*	0	0
	<b>Kaibab Indian Reservation</b>	0†	0	0	0	*	0
	<b>Navajo Nation</b>	1,226	918	199	87	14	8
	<b>Pascua Yaqui Tribe</b>	20†	11	*	*	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	55	17	13	*	*
	<b>San Carlos Apache Tribe</b>	300†	120	144	28	*	*
	<b>Tohono O'Odham Nation</b>	130†	43	66	16	*	0
	<b>White Mountain Apache Tribe</b>	298	264	12	14	8	0
	<b>Yavapai-Apache Nation</b>	10†	9	*	0	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	*	0	0	0
		<b>TOTAL</b>	2,510†	1,710	540†	210†	30†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	781	295	165	25	0
	<b>---in Pima County</b>	336	189	92	43	10	*
	<b>---in Coconino County</b>	289	220	10	51	8	0
	<b>---elsewhere in Arizona</b>	586	394	93	80	18	*
		<b>TOTAL</b>	2,477	1,584	490	339	61

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> 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 (2015 STATUS)**

		TOTAL BIRTHS	Weight gain			
			Inadequate	Appropriate	Excessive	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	1,160†	1,460†	2,330†	30†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	*	*	13	0
	<b>Cocopah Tribe</b>	10†	*	*	*	*
	<b>Colorado River Indian Tribe</b>	20†	*	*	9	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	*	*	9	*
	<b>Fort Mohave Indian Tribe</b>	10†	*	*	*	0
	<b>Gila River Indian Community</b>	235	38	52	145	0
	<b>Havasupai Tribe</b>	10†	*	*	*	0
	<b>Hopi Tribe</b>	110†	20	39	47	*
	<b>Hualapai Tribe</b>	30	9	8	13	0
	<b>Kaibab Indian Reservation</b>	0†	0	0	*	0
	<b>Navajo Nation</b>	1,226	324	395	501	6
	<b>Pascua Yaqui Tribe</b>	20†	7	*	*	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	28	23	34	*
	<b>San Carlos Apache Tribe</b>	298	71	95	132	0
	<b>Tohono O'Odham Nation</b>	130†	30	41	53	*
	<b>White Mountain Apache Tribe</b>	300†	63	81	153	*
	<b>Yavapai-Apache Nation</b>	10†	*	6	*	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	*	0
		<b>TOTAL</b>	2,510†	610†	760†	1,130†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,270†	272	363	627	*
	<b>---in Pima County</b>	336	79	94	156	7
	<b>---in Coconino County</b>	289	63	84	142	0
	<b>---elsewhere in Arizona</b>	586	141	163	274	8
		<b>TOTAL</b>	2,477	555	704	1,199

Notes: \* 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 (2015 STATUS)

		TOTAL BIRTHS	Births with medical risk factors	Medical risk factors <sup>a</sup>											
				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
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	1,763	139	721	72	512	21	246	77	29	10†	350	0†	10†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	15	10†	*	*	0	*	0	0	0	0	0	*	0	0
	<b>Cocopah Tribe</b>	8	0†	*	0	0	*	0	0	*	0	*	0	0	0
	<b>Colorado River Indian Tribe</b>	15	0†	0	*	*	0	0	0	0	0	0	0	0	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	16	0†	0	*	0	*	0	*	0	0	0	0	0	0
	<b>Fort Mohave Indian Tribe</b>	6	0†	0	0	0	0	0	0	0	0	0	*	0	0
	<b>Gila River Indian Community</b>	235	80†	9	33	*	29	*	12	*	0	0	9	0	*
	<b>Havasupai Tribe</b>	10	0†	0	*	*	0	0	0	0	0	0	0	0	0
	<b>Hopi Tribe</b>	107	50†	0	19	*	22	0	*	*	0	0	12	0	0
	<b>Hualapai Tribe</b>	30	10†	0	0	*	*	*	0	0	0	0	*	0	0
	<b>Kaibab Indian Reservation</b>	1	0†	0	0	0	*	0	0	0	0	0	0	0	0
	<b>Navajo Nation</b>	1,226	440†	35	157	17	118	*	63	24	7	*	109	0	0
	<b>Pascua Yaqui Tribe</b>	15	10†	0	0	0	*	0	*	0	0	0	*	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	87	30†	*	15	*	7	0	*	*	0	0	*	0	0
	<b>San Carlos Apache Tribe</b>	298	100†	9	21	*	35	*	9	*	*	*	24	0	0
	<b>Tohono O'Odham Nation</b>	126	50†	6	20	*	16	*	8	0	0	*	11	0	0
	<b>White Mountain Apache Tribe</b>	298	120†	8	39	*	37	0	35	6	0	0	21	0	0
	<b>Yavapai-Apache Nation</b>	11	0†	0	*	0	0	0	0	0	0	0	*	0	*
<b>Yavapai-Prescott Indian Tribe</b>	3	0†	0	0	0	0	0	*	0	0	0	0	0	0	
<b>TOTAL</b>	<b>2,510†</b>	<b>900†</b>	<b>70†</b>	<b>310†</b>	<b>40†</b>	<b>270†</b>	<b>10†</b>	<b>140†</b>	<b>40†</b>	<b>10†</b>	<b>10†</b>	<b>200†</b>	<b>0</b>	<b>10†</b>	
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	460†	33	255	11	119	*	40	18	7	*	68	*	*
	<b>---in Pima County</b>	336	120†	9	41	9	37	0	29	6	*	0	25	*	*
	<b>---in Coconino County</b>	289	100†	7	39	6	24	*	10	*	*	0	21	0	0
	<b>---elsewhere in Arizona</b>	586	200†	16	75	9	58	*	27	11	6	0	40	0	*
	<b>TOTAL</b>	<b>2,477</b>	<b>867</b>	<b>65</b>	<b>410</b>	<b>35</b>	<b>238</b>	<b>10†</b>	<b>106</b>	<b>40†</b>	<b>20†</b>	<b>10†</b>	<b>154</b>	<b>0†</b>	<b>10†</b>

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> 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 (2015 STATUS)**

		TOTAL BIRTHS	Smoking during pregnancy			
			Non Smoker	Light Smoker	Heavy Smoker	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	4,790†	140†	30†	20†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	14	*	0	0
	<b>Cocopah Tribe</b>	10†	7	*	0	0
	<b>Colorado River Indian Tribe</b>	20†	12	*	0	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	16	16	0	0	0
	<b>Fort Mohave Indian Tribe</b>	6	6	0	0	0
	<b>Gila River Indian Community</b>	240†	217	14	*	0
	<b>Havasupai Tribe</b>	10	10	0	0	0
	<b>Hopi Tribe</b>	110†	105	*	0	0
	<b>Hualapai Tribe</b>	30	30	0	0	0
	<b>Kaibab Indian Reservation</b>	0†	0	0	0	*
	<b>Navajo Nation</b>	1,230†	1,203	15	*	7
	<b>Pascua Yaqui Tribe</b>	20†	14	*	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	85	*	*	0
	<b>San Carlos Apache Tribe</b>	298	287	11	0	0
	<b>Tohono O'Odham Nation</b>	130†	122	*	0	0
	<b>White Mountain Apache Tribe</b>	300†	275	18	*	0
	<b>Yavapai-Apache Nation</b>	10†	9	*	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	*	0	0	0
	<b>TOTAL</b>	2,510†	2,420†	70†	10†	10†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,270†	1,229	24	11	*
	<b>---in Pima County</b>	340†	314	15	*	*
	<b>---in Coconino County</b>	290†	280	*	*	*
	<b>---elsewhere in Arizona</b>	590†	556	22	7	*
		<b>TOTAL</b>	2,477	2,379	70†	20†

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



## Utilization of Medical Services

**4.10**  
**TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN (2015 STATUS)**

		TOTAL BIRTHS	Prenatal care				
			No care	1st trimester	2nd trimester	3rd trimester	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	210†	2,910†	1,230†	420†	210†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	0	12	*	0	*
	<b>Cocopah Tribe</b>	10†	0	7	0	*	0
	<b>Colorado River Indian Tribe</b>	20†	*	*	6	*	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	*	*	*	*	*
	<b>Fort Mohave Indian Tribe</b>	10†	*	0	*	0	*
	<b>Gila River Indian Community</b>	235	9	168	29	9	20
	<b>Havasupai Tribe</b>	10†	0	*	*	0	*
	<b>Hopi Tribe</b>	110†	*	64	28	12	*
	<b>Hualapai Tribe</b>	30†	*	16	8	*	*
	<b>Kaibab Indian Reservation</b>	0†	0	0	0	*	0
	<b>Navajo Nation</b>	1,226	18	815	299	72	22
	<b>Pascua Yaqui Tribe</b>	20†	0	10	*	*	*
	<b>Salt River Pima-Maricopa Indian Community</b>	87	10	46	17	7	7
	<b>San Carlos Apache Tribe</b>	298	49	74	91	71	13
	<b>Tohono O'Odham Nation</b>	126	10	46	49	14	7
	<b>White Mountain Apache Tribe</b>	298	11	146	100	34	7
	<b>Yavapai-Apache Nation</b>	10†	*	6	*	*	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	*	0	0	0
		<b>TOTAL</b>	2,510†	110†	1,420†	650†	230†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	41	781	293	101	50
	<b>---in Pima County</b>	336	30	176	80	31	19
	<b>---in Coconino County</b>	290†	*	186	70	20	9
	<b>---elsewhere in Arizona</b>	586	23	348	141	38	36
		<b>TOTAL</b>	2,477	100†	1,491	584	190

Notes: \* 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 (2015 STATUS)**

		TOTAL BIRTHS	Prenatal visits					Unknown
			No visits	1-4 visits	5-8 visits	9-12 visits	13+ visits	
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	210†	520†	1,210†	2,060†	930†	60†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	0	*	*	8	*	0
	<b>Cocopah Tribe</b>	10†	0	*	*	*	*	0
	<b>Colorado River Indian Tribe</b>	20†	*	0	8	*	*	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	*	*	*	*	*	*
	<b>Fort Mohave Indian Tribe</b>	10†	*	*	*	*	0	0
	<b>Gila River Indian Community</b>	235	9	16	28	133	45	*
	<b>Havasupai Tribe</b>	10†	0	*	*	7	0	0
	<b>Hopi Tribe</b>	110†	*	16	28	42	19	*
	<b>Hualapai Tribe</b>	30†	*	6	6	11	*	0
	<b>Kaibab Indian Reservation</b>	0†	0	0	*	0	0	0
	<b>Navajo Nation</b>	1,226	18	84	256	593	265	10
	<b>Pascua Yaqui Tribe</b>	20†	0	*	*	6	*	0
	<b>Salt River Pima-Maricopa Indian Community</b>	87	10	9	26	25	12	*
	<b>San Carlos Apache Tribe</b>	298	49	69	85	55	32	8
	<b>Tohono O'Odham Nation</b>	126	10	24	49	34	8	*
	<b>White Mountain Apache Tribe</b>	298	11	45	125	99	13	*
	<b>Yavapai-Apache Nation</b>	10†	*	*	*	*	*	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	0	*	*	0
	<b>TOTAL</b>	2,510†	110†	280†	630†	1,030†	410†	40†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	41	124	288	548	255	10
	<b>---in Pima County</b>	336	30	43	96	111	54	*
	<b>---in Coconino County</b>	290†	*	23	56	131	75	0
	<b>---elsewhere in Arizona</b>	586	23	45	138	239	135	6
	<b>TOTAL</b>	2,477	100†	235	578	1,029	519	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.

**4.12  
OBSTETRIC PROCEDURES (2015 STATUS)**

		TOTAL BIRTHS	Births with obstetrics procedure	Obstetric procedures <sup>a</sup>					
				Induction of labor	Augmentation of labor	Cervical cerclage	Tocolysis	External cephalic version successful	External cephalic version failed
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	2,250†	1,300†	1,170†	10†	20†	10†	20†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	*	*	0	0	0	0	0
	<b>Cocopah Tribe</b>	10†	6	*	*	0	0	0	0
	<b>Colorado River Indian Tribe</b>	20†	*	*	0	0	0	0	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	6	*	*	0	0	0	0
	<b>Fort Mohave Indian Tribe</b>	10†	*	*	*	0	0	0	0
	<b>Gila River Indian Community</b>	235	78	63	33	0	0	0	0
	<b>Havasupai Tribe</b>	10†	*	*	*	0	0	0	0
	<b>Hopi Tribe</b>	110†	49	28	27	0	*	0	*
	<b>Hualapai Tribe</b>	30	18	12	10	0	0	0	0
	<b>Kaibab Indian Reservation</b>	0†	*	*	*	0	0	0	0
	<b>Navajo Nation</b>	1,230†	525	315	256	*	*	*	6
	<b>Pascua Yaqui Tribe</b>	15	12	7	6	0	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	87	36	20	17	0	0	0	0
	<b>San Carlos Apache Tribe</b>	300†	107	62	50	0	*	0	*
	<b>Tohono O'Odham Nation</b>	130†	76	38	42	*	*	0	0
	<b>White Mountain Apache Tribe</b>	300†	150	65	83	0	*	*	*
	<b>Yavapai-Apache Nation</b>	10†	8	*	*	0	0	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	*	*	0	0	0	0	0
	<b>TOTAL</b>	2,510†	1,090†	630†	540†	0†	10†	0†	10†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,270†	531	326	268	*	*	0	8
	<b>---in Pima County</b>	340†	227	108	135	*	*	0	0
	<b>---in Coconino County</b>	290†	147	91	79	0	0	*	0
	<b>---elsewhere in Arizona</b>	590†	263	147	149	0	*	*	*
	<b>TOTAL</b>	2,480†	1,168	672	631	0†	10†	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; <sup>a</sup> 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 (2015 STATUS)

		TOTAL BIRTHS	Births with complications of labor and or delivery	Births with complications of labor and delivery <sup>a</sup>												
				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
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980+	1,360+	310+	290+	140+	160+	110+	340+	240+	70+	30+	0+	10+	10+	30+
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	15	0+	*	*	0	0	0	0	0	0	0	0	0	0	0
	<b>Cocopah Tribe</b>	8	10+	0	*	0	0	*	*	*	*	0	0	0	0	0
	<b>Colorado River Indian Tribe</b>	15	0+	*	*	0	0	0	*	0	0	0	0	0	0	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	16	10+	0	*	*	*	0	*	0	0	0	0	0	0	0
	<b>Fort Mohave Indian Tribe</b>	6	0+	0	*	0	0	0	0	0	0	0	0	0	0	0
	<b>Gila River Indian Community</b>	235	50+	9	6	*	8	*	14	10	*	0	0	*	*	*
	<b>Havasupai Tribe</b>	10	0+	*	0	*	0	0	*	*	0	0	0	0	0	0
	<b>Hopi Tribe</b>	107	30+	*	7	*	6	*	*	*	*	0	*	*	*	*
	<b>Hualapai Tribe</b>	30	10+	*	*	0	*	*	*	*	0	0	0	0	0	0
	<b>Kaibab Indian Reservation</b>	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Navajo Nation</b>	1,226	390+	131	87	41	36	32	75	59	20	11	*	*	*	13
	<b>Pascua Yaqui Tribe</b>	15	10+	*	0	*	0	*	*	0	0	0	0	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	87	20+	*	*	*	*	*	*	*	0	0	0	0	0	0
	<b>San Carlos Apache Tribe</b>	298	90+	6	34	*	12	*	17	18	17	*	0	*	*	*
	<b>Tohono O'Odham Nation</b>		30+	*	*	*	*	*	15	0	*	0	0	0	0	0
	<b>White Mountain Apache Tribe</b>	298	70+	6	15	24	13	*	17	*	*	0	0	0	0	0
	<b>Yavapai-Apache Nation</b>	11	0+	*	*	0	*	0	0	0	0	0	0	0	0	0
<b>Yavapai-Prescott Indian Tribe</b>	*	0+	0	0	0	0	0	0	*	0	0	0	0	0	0	
<b>TOTAL</b>	2,510+	710+	170+	170+	90+	90+	50+	160+	110+	50+	10+	0+	10+	10+	20+	
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	90+	75	58	36	44	33	98	76	13	7	*	*	*	6
	<b>---in Pima County</b>	336	80+	18	34	*	8	14	25	8	0	*	0	0	0	*
	<b>---in Coconino County</b>	289	140+	20	11	*	7	7	19	20	*	0	0	0	0	*
	<b>---elsewhere in Arizona</b>	586	710+	31	18	12	18	10	40	28	6	*	0	0	*	*
	<b>TOTAL</b>	2,477	644	144	121	60+	77	64	182	132	20+	10+	0+	0+	0+	10+

Notes: \* Cell suppressed due to non-zero count less than 6; + Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> 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 (2015 STATUS)**

		TOTAL BIRTHS	Method of delivery <sup>a</sup>				
			Vaginal	C-Section	Forceps	Vacuum	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	3,780†	1,130†	20†	70†	0
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	15	9	6	0	0	0
	<b>Cocopah Tribe</b>	8	6	*	0	0	0
	<b>Colorado River Indian Tribe</b>	15	10	*	0	0	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	16	11	*	0	0	0
	<b>Fort Mohave Indian Tribe</b>	6	*	*	0	0	0
	<b>Gila River Indian Community</b>	235	161	73	0	*	0
	<b>Havasupai Tribe</b>	10	8	*	0	0	0
	<b>Hopi Tribe</b>	107	84	23	0	0	0
	<b>Hualapai Tribe</b>	30	22	8	0	0	0
	<b>Kaibab Indian Reservation</b>	*	0	*	0	0	0
	<b>Navajo Nation</b>	1,226	1,050	168	*	*	0
	<b>Pascua Yaqui Tribe</b>	15	13	*	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	87	62	24	0	*	0
	<b>San Carlos Apache Tribe</b>	298	201	80	*	15	0
	<b>Tohono O'Odham Nation</b>	126	105	17	0	*	0
	<b>White Mountain Apache Tribe</b>	298	216	76	0	6	0
	<b>Yavapai-Apache Nation</b>	11	9	*	0	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	*	*	*	0	0	0
	<b>TOTAL</b>	2,510†	1,970†	500†	10†	30†	0
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	887	363	*	12	0
	<b>---in Pima County</b>	336	266	66	*	*	0
	<b>---in Coconino County</b>	289	231	52	0	6	0
	<b>---elsewhere in Arizona</b>	586	420	149	*	15	0
		<b>TOTAL</b>	2,477	1,804	630	10†	40†

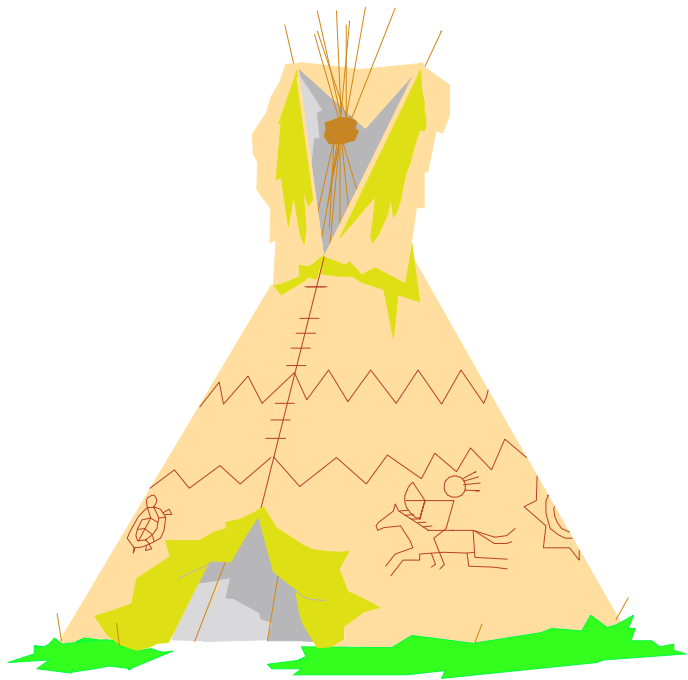
Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> Method of delivery does not sum to the number of total births as each birth may be associated with multiple methods of delivery.

**4.15  
ATTENDANT AT BIRTH (2015 STATUS)**

		TOTAL BIRTHS	M.D.	C.N.M / C.M.	Hospital admin	Midwife	D.O.	Other	Un-known
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	2,990†	440†	1,490†	20†	0	50†	0
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	11	*	0	0	0	0	0
	<b>Cocopah Tribe</b>	10†	6	0	*	0	0	0	0
	<b>Colorado River Indian Tribe</b>	20†	13	*	0	0	0	0	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	14	*	*	0	0	0	0
	<b>Fort Mohave Indian Tribe</b>	6	6	0	0	0	0	0	0
	<b>Gila River Indian Community</b>	235	177	52	6	0	0	0	0
	<b>Havasupai Tribe</b>	10†	*	*	*	0	0	*	0
	<b>Hopi Tribe</b>	110†	46	*	55	0	0	*	0
	<b>Hualapai Tribe</b>	30†	10	17	*	*	0	0	0
	<b>Kaibab Indian Reservation</b>	0†	0	0	0	0	0	*	0
	<b>Navajo Nation</b>	1,230†	310	35	870	*	0	9	0
	<b>Pascua Yaqui Tribe</b>	20†	13	0	*	0	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	65	*	18	0	0	*	0
	<b>San Carlos Apache Tribe</b>	300†	255	36	*	0	0	*	0
	<b>Tohono O'Odham Nation</b>	130†	125	*	0	0	0	0	0
	<b>White Mountain Apache Tribe</b>	300†	188	97	*	0	0	12	0
	<b>Yavapai-Apache Nation</b>	10†	9	0	*	0	0	0	0
<b>Yavapai-Prescott Indian Tribe</b>	0†	*	0	0	0	0	0	0	
	<b>TOTAL</b>	2,510†	1,260†	260†	970†	0†	0	30†	0
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,270†	846	88	324	*	0	7	0
	<b>---in Pima County</b>	340†	280	*	50	0	0	*	0
	<b>---in Coconino County</b>	289	197	15	57	12	0	8	0
	<b>---elsewhere in Arizona</b>	590†	413	72	97	0	0	*	0
		<b>TOTAL</b>	2,477	1,736	180†	528	10†	0	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.





## Newborn's Health

**4.16  
GESTATIONAL AGE (2015 STATUS)**

		TOTAL BIRTHS	Length of gestation			
			<37 weeks	37-41 weeks	42+ weeks	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	480†	4,460†	20†	30†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	*	12	0	0
	<b>Cocopah Tribe</b>	8	0	8	0	0
	<b>Colorado River Indian Tribe</b>	20†	*	13	0	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	*	11	0	0
	<b>Fort Mohave Indian Tribe</b>	10†	*	*	0	0
	<b>Gila River Indian Community</b>	240†	36	196	*	*
	<b>Havasupai Tribe</b>	10†	*	9	0	0
	<b>Hopi Tribe</b>	107	11	96	0	0
	<b>Hualapai Tribe</b>	30	6	24	0	0
	<b>Kaibab Indian Reservation</b>	0†	0	*	0	0
	<b>Navajo Nation</b>	1,230†	84	1,135	*	*
	<b>Pascua Yaqui Tribe</b>	20†	*	13	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	15	70	*	*
	<b>San Carlos Apache Tribe</b>	300†	52	236	*	8
	<b>Tohono O'Odham Nation</b>	126	10	114	0	*
	<b>White Mountain Apache Tribe</b>	298	37	260	0	*
	<b>Yavapai-Apache Nation</b>	11	0	11	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	*	0	0
		<b>TOTAL</b>	1,270†	260†	2,220†	10†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	110	1,141	12	*
	<b>---in Pima County</b>	340†	30	305	*	0
	<b>---in Coconino County</b>	290†	17	270	*	*
	<b>---elsewhere in Arizona</b>	590†	58	523	*	*
		<b>TOTAL</b>	2,477	215	2,239	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.

**4.17**  
**WEIGHT AT BIRTH (2015 STATUS)**

		TOTAL BIRTHS	Weight at birth					
			<1,000 grams	1,000-1,499	1,500-2,499	2,500-3,999	4000+	Unknown
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	30†	40†	300†	4,140†	470†	0†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	20†	0	0	*	11	*	0
	<b>Cocopah Tribe</b>	10†	0	0	0	6	*	0
	<b>Colorado River Indian Tribe</b>	20†	0	0	*	11	*	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	20†	0	*	*	12	*	*
	<b>Fort Mohave Indian Tribe</b>	10†	*	0	0	*	0	0
	<b>Gila River Indian Community</b>	240†	*	*	26	176	31	0
	<b>Havasupai Tribe</b>	10†	0	*	*	6	*	0
	<b>Hopi Tribe</b>	110†	0	*	10	89	6	0
	<b>Hualapai Tribe</b>	30†	0	*	*	26	*	0
	<b>Kaibab Indian Reservation</b>	0†	0	0	0	*	0	0
	<b>Navajo Nation</b>	1,230†	*	6	56	1,047	111	*
	<b>Pascua Yaqui Tribe</b>	15	0	0	0	15	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	90†	*	*	*	74	6	0
	<b>San Carlos Apache Tribe</b>	300†	*	*	30	238	24	0
	<b>Tohono O'Odham Nation</b>	126	0	0	7	110	9	0
	<b>White Mountain Apache Tribe</b>	300†	*	*	27	248	16	0
	<b>Yavapai-Apache Nation</b>	11	0	0	0	11	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	0	*	0	0
	<b>TOTAL</b>	2,510†	10†	20†	170†	2,090†	210†	0†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	10	6	61	1,024	165	0
	<b>---in Pima County</b>	340†	*	*	17	287	27	0
	<b>---in Coconino County</b>	290†	*	*	13	255	17	0
	<b>---elsewhere in Arizona</b>	590†	6	*	41	488	49	0
		<b>TOTAL</b>	2,477	20†	10†	132	2,054	258

Notes: \* 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 (2015 STATUS)**

		TOTAL BIRTHS	Births with abnormal conditions of the newborn	Abnormal conditions <sup>a</sup>					
				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
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,980†	261	160†	60†	20†	140†	0†	10†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	15	*	0	*	0	*	0	0
	<b>Cocopah Tribe</b>	8	0	0	0	0	0	0	0
	<b>Colorado River Indian Tribe</b>	15	*	*	0	0	0	0	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	16	*	*	*	0	*	0	0
	<b>Fort Mohave Indian Tribe</b>	6	0	0	0	0	0	0	0
	<b>Gila River Indian Community</b>	235	13	*	*	*	10	0	0
	<b>Havasupai Tribe</b>	10	*	*	0	0	*	0	0
	<b>Hopi Tribe</b>	107	*	*	*	0	*	0	0
	<b>Hualapai Tribe</b>	30	*	*	*	0	*	0	0
	<b>Kaibab Indian Reservation</b>	*	0	0	0	0	0	0	0
	<b>Navajo Nation</b>	1,226	54	37	9	*	19	*	*
	<b>Pascua Yaqui Tribe</b>	15	*	*	0	0	*	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	87	*	*	*	*	*	0	0
	<b>San Carlos Apache Tribe</b>	298	12	9	*	0	6	*	0
	<b>Tohono O'Odham Nation</b>	126	0	0	0	0	0	0	0
	<b>White Mountain Apache Tribe</b>	298	31	20	10	0	15	0	*
	<b>Yavapai-Apache Nation</b>	11	*	*	0	0	0	0	0
	<b>Yavapai-Prescott Indian Tribe</b>	*	0	0	0	0	0	0	0
		<b>TOTAL</b>	1,270†	130†	90†	30†	10†	60†	0†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	336	68	32	15	8	41	0	*
	<b>---in Pima County</b>	289	10	9	*	0	*	0	*
	<b>---in Coconino County</b>	586	18	7	*	0	14	0	0
	<b>---elsewhere in Arizona</b>	2,507	36	26	13	*	19	0	*
		<b>TOTAL</b>	2,477	132	74	30†	10†	80†	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; <sup>a</sup> 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 (2015 STATUS)**

		TOTAL BIRTHS	Births with congenital anomalies	Congenital anomalies of the newborn <sup>a</sup>										
				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
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		4,984	50	0†	0†	0†	0†	0†	0†	0†	0†	0†	0	40†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	15	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Cocopah Tribe</b>	8	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Colorado River Indian Tribe</b>	15	*	0	0	0	0	0	0	0	0	0	0	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	16	*	0	0	0	0	0	*	0	0	0	0	0
	<b>Fort Mohave Indian Tribe</b>	6	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Gila River Indian Community</b>	235	*	0	0	*	0	0	0	0	0	*	0	0
	<b>Havasupai Tribe</b>	10	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Hopi Tribe</b>	107	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Hualapai Tribe</b>	30	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Kaibab Indian Reservation</b>	*	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Navajo Nation</b>	1,226	15	0	0	0	0	0	0	0	*	0	0	14
	<b>Pascua Yaqui Tribe</b>	15	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	87	0	0	0	0	0	0	0	0	0	0	0	0
	<b>San Carlos Apache Tribe</b>	298	*	0	0	0	0	0	0	0	0	0	0	*
	<b>Tohono O'Odham Nation</b>	126	0	0	0	0	0	0	0	0	0	0	0	0
	<b>White Mountain Apache Tribe</b>	298	*	0	0	0	0	0	0	*	0	0	0	*
	<b>Yavapai-Apache Nation</b>	11	*	0	0	*	0	0	0	0	0	0	0	0
<b>Yavapai-Prescott Indian Tribe</b>	*	0	0	0	0	0	0	0	0	0	0	0	0	
<b>TOTAL</b>	<b>2,510†</b>	<b>30†</b>	<b>0</b>	<b>0</b>	<b>0†</b>	<b>0</b>	<b>0</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0†</b>	<b>0</b>	<b>20†</b>	
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	1,266	11	0	*	0	0	*	0	*	*	0	0	7
	<b>---in Pima County</b>	336	*	*	0	0	*	0	0	0	*	0	0	0
	<b>---in Coconino County</b>	289	*	0	0	0	0	0	0	0	0	0	0	*
	<b>---elsewhere in Arizona</b>	586	7	0	0	0	0	0	0	0	0	0	0	7
	<b>TOTAL</b>	<b>2,477</b>	<b>20†</b>	<b>0†</b>	<b>0†</b>	<b>0</b>	<b>0†</b>	<b>0†</b>	<b>0</b>	<b>0†</b>	<b>0†</b>	<b>0</b>	<b>0</b>	<b>20†</b>

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> 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, 2015

	TOTAL STATE										Resided off reservation				
		Fort Mohave Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	White Mountain Apache Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
<b>Total, all causes</b>	39	0†	0†	0†	0†	10†	0†	0†	0†	20†	10†	0†	0†	10†	20†
<b>Certain conditions originating in the perinatal period</b>	15	*	*	0	0	*	0	*	*	10†	*	*	*	*	10†
<b>Maternal complications</b>	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0†
<b>Complications of placenta, cord and membrane</b>	0†	*	0	0	0	0	0	0	0	0†	0	0	0	0	0
<b>Short gestation and low birth weight</b>	0†	0	*	0	0	*	0	0	0	0†	0	0	*	0	0†
<b>Bacterial sepsis of newborn</b>	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0†
<b>Congenital malformations</b>	10†	0	*	0	0	*	*	0	0	0†	*	*	*	*	10†
<b>of heart</b>	10†	0	0	0	0	*	*	0	0	0†	0	0	*	*	0†
<b>of brain, spinal cord or nervous system</b>	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0†
<b>Sudden infant death syndrome</b>	0†	0	0	0	*	*	0	0	0	0†	0	0	0	0	0
<b>Accidents (unintentional injury)</b>	0†	0	0	*	0	0	0	0	*	0†	0	0	0	*	0†
<b>Infectious and parasitic diseases</b>	10†	0	*	0	0	*	0	0	*	0†	*	*	0	0	0†
<b>Diseases of the nervous system</b>	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
<b>Mechanical suffocation</b>	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.

**4.21  
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY  
COUNTY OF RESIDENCE, ARIZONA, 2015**

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
<b>Total births</b>		4,984	720†	10†	610†	200†	120†	10†	50†	1,410†	70†	860†	480†	350†	0†	50†	0†	1
<b>Mother's age group</b>	<b>&lt;15</b>	10†	*	0	*	0	*	0	0	*	0	*	*	0	0	0	0	0
	<b>15-17</b>	180†	25	0	20	9	*	0	*	44	*	45	14	8	0	*	*	0
	<b>18-19</b>	390†	37	0	53	20	11	0	6	105	7	60	47	29	0	7	*	0
	<b>20-24</b>	1,510†	200	*	175	64	47	*	17	418	28	272	139	113	0	14	11	0
	<b>25-29</b>	1,470†	210	*	183	64	33	0	17	433	15	237	148	96	*	18	13	*
	<b>30-34</b>	860†	140	*	100	29	7	*	7	255	11	145	82	66	0	9	*	0
	<b>35-39</b>	460†	85	*	65	13	9	*	*	129	*	79	39	32	0	*	*	0
	<b>40-44</b>	110†	22	0	16	*	*	0	*	25	*	25	7	*	0	0	*	0
	<b>45+</b>	10†	*	0	*	*	0	0	0	*	0	0	0	0	0	0	0	0
<b>Unknown</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Payee for births</b>	<b>AHCCCS</b>	3,290†	489	7	485	95	37	*	34	868	52	722	243	200	*	32	26	*
	<b>IHS</b>	1,030†	180	0	35	85	61	0	14	323	8	54	161	98	0	8	*	0
	<b>Private insurance</b>	550†	40	*	82	18	15	*	*	193	*	67	60	46	0	11	*	0
	<b>Self-pay</b>	100†	11	*	10	*	*	0	0	27	*	18	11	*	0	0	*	0
	<b>Unknown</b>	20†	*	0	*	*	0	0	*	0	0	*	*	*	0	0	0	0
<b>Mother's education</b>	<b>8th Grade or Less</b>	110†	*	*	*	*	8	0	*	39	*	7	18	17	0	*	*	0
	<b>Some High School</b>	1,280†	122	0	112	76	23	0	19	336	20	253	160	129	*	11	13	0
	<b>High School / GED</b>	1,670†	235	*	244	61	66	*	22	398	33	308	142	120	0	17	12	*
	<b>Some College</b>	1,340†	230	6	165	53	16	*	7	438	11	214	111	61	0	16	*	0
	<b>Associate Degree</b>	360†	83	*	55	*	*	0	*	112	*	51	26	11	0	*	6	0
	<b>Bachelor's Degree</b>	160†	30	0	25	*	0	0	*	58	*	19	14	8	0	*	0	0
	<b>Postgraduate Education</b>	60†	16	0	8	0	0	0	0	24	0	10	*	*	0	*	0	0
	<b>Unknown</b>	20†	*	0	0	*	*	0	*	7	0	*	*	*	0	0	0	0
<b>Marital status</b>	<b>Married</b>	950†	142	*	128	33	17	*	8	297	13	168	56	52	0	14	10	0
	<b>Unmarried<sup>a</sup></b>	3,970†	575	6	473	166	98	*	45	1,094	56	685	416	288	*	34	27	*
	<b>Unknown</b>	70†	6	0	13	*	*	0	0	21	0	11	*	8	0	*	0	0
<b>Weight gain</b>	<b>None</b>	1,160†	178	*	150	47	28	*	11	313	19	213	116	56	0	15	7	0
	<b>1-15 pounds</b>	1,460†	233	*	189	56	44	*	14	394	18	258	138	83	0	18	13	0
	<b>31+ pounds</b>	2,330†	308	6	274	98	44	*	28	698	32	388	214	205	*	18	14	*
	<b>Unknown</b>	30†	*	0	*	0	0	0	0	7	0	*	9	*	0	0	*	0
<b>Substance use</b>	<b>Non Smoker</b>	4,790†	715	11	598	193	111	6	43	1,372	64	827	450	324	*	46	32	*
	<b>Light Smoker</b>	140†	*	0	8	8	*	0	7	26	*	30	20	19	0	*	*	0
	<b>Heavy Smoker</b>	30†	*	0	*	0	0	0	*	12	*	*	*	*	0	*	*	0
	<b>Unknown</b>	20†	*	0	7	0	0	0	*	*	*	*	*	0	0	0	0	0
<b>Length of gestation</b>	<b>&lt;37 weeks</b>	480†	39	*	42	35	19	*	*	135	12	96	42	50	0	*	*	0
	<b>37-41 weeks</b>	4,460†	679	9	569	160	93	*	48	1,258	57	764	432	295	*	50	35	*
	<b>42+ weeks</b>	20†	*	0	*	*	*	0	0	14	0	0	*	*	0	0	0	0
	<b>Unknown</b>	30†	*	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, 2015**

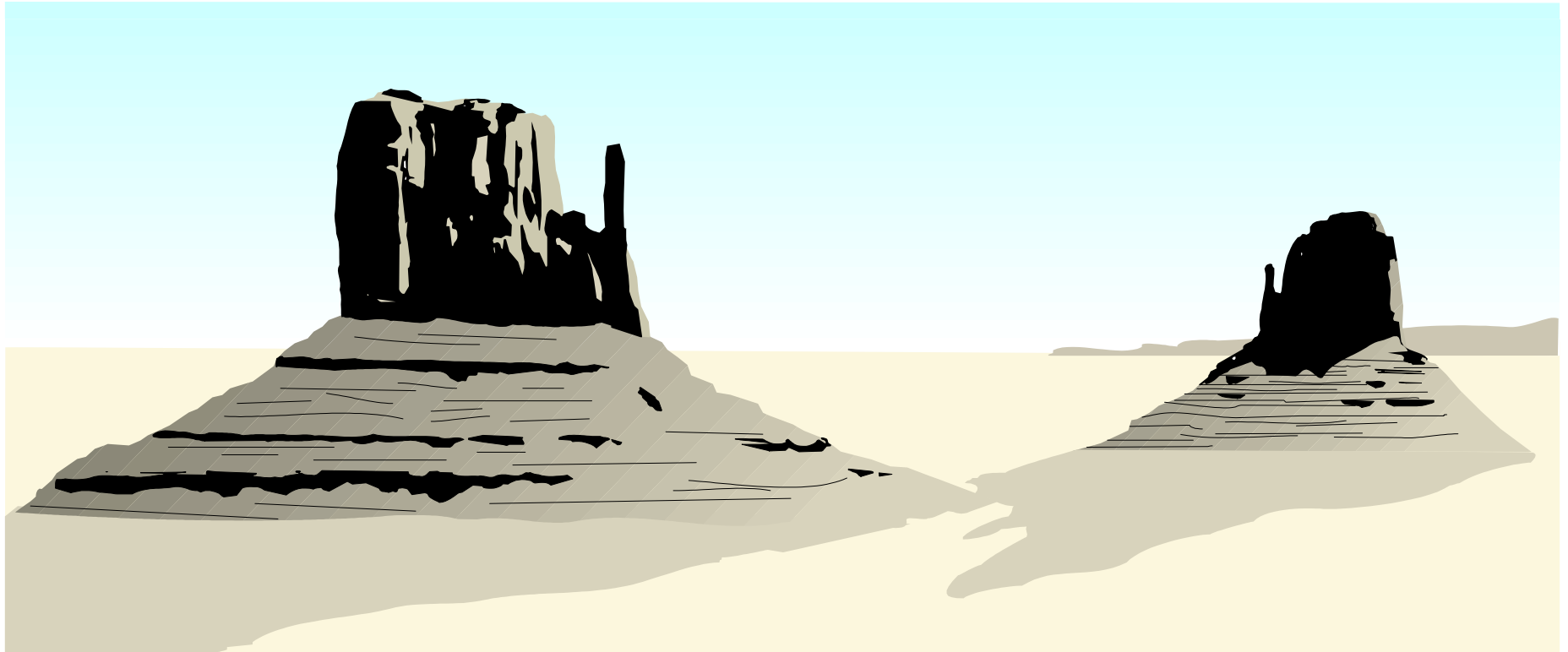
	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown	
<b>Weight at birth</b>	<b>&lt;1,000 grams</b>	30†	0	0	*	*	*	0	*	12	*	7	*	*	0	0	0	0
	<b>1,000-1,499</b>	40†	*	0	*	*	*	0	0	9	*	8	*	0	0	0	0	0
	<b>1,500-2,499</b>	300†	30	*	30	23	8	0	*	69	8	64	24	38	0	*	0	0
	<b>2,500-3,999</b>	4,143	623	10	531	157	96	6	42	1,143	54	728	412	266	0	45	30	0
	<b>4000+</b>	470†	65	0	45	16	10	0	8	178	*	55	36	43	*	*	7	*
	<b>Unknown</b>	0†	*	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
<b>Prenatal care</b>	<b>No care</b>	210†	9	0	10	29	20	*	*	54	*	21	40	15	0	*	*	0
	<b>1st trimester</b>	2,910†	482	7	399	60	24	*	9	853	29	513	232	249	*	32	19	*
	<b>2nd trimester</b>	1,230†	188	*	149	61	35	*	16	324	24	227	132	52	0	9	9	0
	<b>3rd trimester</b>	420†	35	0	37	43	31	0	6	116	7	82	46	8	0	*	*	0
	<b>Unknown</b>	210†	9	0	19	8	6	0	19	65	*	21	27	24	0	*	*	0
<b>Prenatal visits</b>	<b>No visits</b>	210†	9	0	10	29	20	*	*	54	*	21	40	15	0	*	*	0
	<b>1-4 visits</b>	520†	40	0	46	46	28	0	*	141	10	106	70	16	0	*	*	0
	<b>5-8 visits</b>	1,210†	158	*	127	52	36	*	22	323	19	242	149	56	*	7	12	0
	<b>9-12 visits</b>	2,060†	380	*	268	46	16	*	15	592	24	338	151	189	0	20	13	*
	<b>13+ visits</b>	930†	132	*	159	24	11	*	6	280	10	148	64	69	0	17	6	0
	<b>Unknown</b>	60†	*	0	*	*	*	0	*	22	*	9	*	*	0	0	0	0
<b>Newborn intensive care</b>	<b>Yes</b>	300†	12	0	19	20	6	0	*	104	6	58	22	44	0	*	*	0
	<b>No</b>	4,690†	711	11	595	181	110	6	49	1,308	63	806	455	304	*	49	36	*
<b>Method of delivery</b>	<b>Vaginal</b>	3,780†	651	8	496	127	84	*	41	993	40	656	384	230	*	34	25	*
	<b>C-Section</b>	1,130†	70	*	108	63	24	*	12	402	23	197	85	115	0	14	11	0
	<b>Forceps</b>	20†	*	0	*	*	0	0	0	*	*	*	*	0	0	0	0	0
	<b>Vacuum</b>	70†	*	0	6	9	8	0	0	13	*	10	6	*	0	*	*	0
	<b>Unknown</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	2,250†	304	*	292	56	58	*	11	594	37	412	315	115	0	29	22	*
<b>Obstetric procedures<sup>b</sup></b>	<b>Induction of labor</b>	1,300†	180	*	181	30	36	*	10	362	27	209	153	82	0	22	8	0
	<b>Augmentation of labor</b>	1,170†	140	*	151	28	26	*	*	301	17	229	183	59	0	10	17	*
	<b>Cervical cerclage</b>	10†	0	0	*	0	0	0	0	*	0	*	*	0	0	0	0	0
	<b>Tocolysis</b>	20†	*	0	0	*	*	0	0	*	0	*	*	0	0	0	0	0
	<b>External cephalic version successful</b>	10†	*	0	*	0	0	0	0	0	0	*	0	0	0	0	0	0
	<b>External cephalic version failed</b>	20†	*	0	*	*	0	0	0	8	0	6	0	0	0	0	0	0
<b>Births with medical risk factors<sup>b</sup></b>	<b>Total</b>	1,760†	256	*	213	61	38	*	10	505	14	340	171	128	0	11	13	0
	<b>Pre-existing diabetes</b>	140†	15	0	16	*	*	0	*	39	*	26	15	14	0	0	*	0
	<b>Gestational diabetes</b>	720†	82	0	95	15	6	*	6	276	0	122	61	52	0	*	*	0
	<b>Pre-existing hypertension</b>	70†	6	0	14	*	*	0	*	13	*	13	11	*	0	*	*	0
	<b>Gestational hypertension</b>	510†	70	0	45	24	14	*	*	134	*	118	56	41	0	*	*	0
	<b>Eclampsia</b>	20†	*	0	*	*	0	0	0	*	*	*	*	*	0	0	0	0
	<b>Previous preterm birth</b>	250†	47	0	20	7	*	0	0	46	*	58	40	16	0	*	*	0
	<b>Other previous poor pregnancy outcome</b>	80†	16	0	10	*	0	0	0	20	0	14	6	7	0	0	*	0
	<b>Gonorrhea</b>	30†	6	0	6	*	*	0	*	7	*	*	*	*	0	0	0	0
	<b>Syphilis</b>	10†	*	0	0	*	0	0	0	*	0	*	*	0	0	0	0	*
	<b>Chlamydia</b>	350†	63	*	53	15	10	0	*	69	*	71	38	21	0	*	*	0
	<b>Hepatitis B</b>	0†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
	<b>Hepatitis C</b>	10†	0	0	0	0	0	0	*	*	0	0	*	*	0	*	0	0

**4.21 (continued)**  
**COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY**  
**COUNTY OF RESIDENCE, ARIZONA, 2015**

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown		
<b>Births with complications of labor and delivery<sup>b</sup></b>	<b>Total</b>	1,360†	239	*	170	72	19	0	*	373	18	226	127	74	0	13	19	*	
	<b>Premature rupture of the membranes</b>	310†	85	0	45	6	*	0	*	79	*	50	21	16	0	*	*	0	
	<b>Precipitous labor</b>	290†	72	0	20	27	8	0	*	63	*	36	38	12	0	*	*	0	
	<b>Prolonged labor</b>	140†	28	0	19	*	*	0	0	42	*	37	*	*	0	*	0	*	
	<b>Breech presentation</b>	160†	11	0	19	10	*	0	0	51	*	44	11	9	0	*	0	0	
	<b>Chorioamnionitis</b>	110†	17	0	16	*	0	0	0	37	*	12	18	8	0	0	*	0	
	<b>Meconium staining of the amniotic fluid</b>	340†	43	*	44	14	*	0	*	107	*	52	43	17	0	*	*	6	*
	<b>Fetal intolerance</b>	240†	25	0	40	18	*	0	*	81	*	29	8	17	0	*	10	0	
	<b>Maternal transfusion</b>	70†	9	0	10	14	*	0	0	13	0	9	*	*	0	0	*	0	
	<b>Third or fourth degree perineal laceration</b>	30†	*	0	*	*	0	0	0	7	0	*	*	0	0	*	0	0	
	<b>Ruptured uterus</b>	0†	0	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0	
	<b>Unplanned Hysterectomy</b>	10†	*	0	0	0	*	0	0	*	0	*	0	*	0	0	0	0	
	<b>Admission to intensive care unit</b>	10†	*	0	*	*	*	0	0	*	*	*	0	*	0	0	0	0	
<b>Unplanned surgery following delivery</b>	30†	*	0	9	*	*	0	0	6	0	*	*	*	0	0	0	0		
<b>Abnormal conditions of the newborn<sup>b</sup></b>	<b>Total</b>	260†	26	0	40	12	*	0	8	75	8	55	11	21	0	*	*	0	
	<b>Assisted ventilation immediately after delivery</b>	160†	16	0	20	9	*	0	8	37	*	40	10	9	0	*	*	0	
	<b>Assisted ventilation for more than 6 hours</b>	60†	*	0	*	*	*	0	*	20	*	16	*	6	0	0	*	0	
	<b>Surfactant replacement therapy</b>	20†	*	0	0	0	*	0	0	10	*	*	0	*	0	0	0	0	
	<b>Suspected neonatal sepsis</b>	140†	13	0	22	6	*	0	0	47	6	27	*	14	0	0	0	0	
	<b>Seizure or serious neurologic dysfunction</b>	0†	0	0	*	*	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Significant birth injury</b>	10†	*	0	*	0	0	0	0	*	0	*	*	0	0	0	0	0		
<b>Congenital anomalies of the newborn<sup>b</sup></b>	<b>Total</b>	50†	13	0	*	*	*	0	*	12	0	6	*	*	0	*	0	0	
	<b>Anencephalus</b>	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	
	<b>Spina bifida / Meningocele</b>	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	
	<b>Cyanotic congenital heart disease</b>	0†	0	0	0	0	0	0	0	0	0	0	0	*	0	*	0	0	
	<b>Congenital diaphragmatic hernia</b>	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	
	<b>Omphalocele / Gastroschisis</b>	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	
	<b>Limb reduction defect</b>	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	
	<b>Cleft lip / palate</b>	0†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0	
	<b>Down syndrome</b>	0†	0	0	0	0	0	0	0	*	0	*	*	0	0	0	0	0	
	<b>Suspected chromosomal disorder</b>	0†	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	
<b>Hypospadias</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>Unknown congenital anomalies</b>	40†	13	0	*	*	*	0	*	7	0	*	0	0	0	0	0	0		
<b>Infant mortality<sup>c</sup></b>	<b>Total</b>	40†	0†	0	10†	0†	0	0	0†	10†	0†	10†	0†	0†	0	0†	0	0	
	<b>Neonatal</b>	20†	*	0	*	*	0	0	0	*	*	*	*	*	0	0	0	0	
	<b>Postneonatal</b>	20†	*	0	*	0	0	0	*	7	0	*	*	*	0	*	0	0	

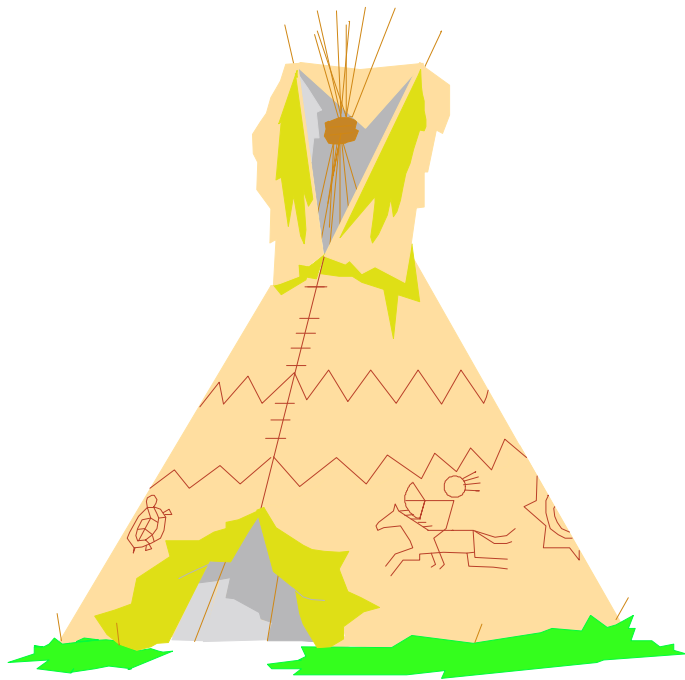
Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; a The coding of marital status has changed as such unmarried category includes divorced; b Total birth where an obstetric procedure; medical risk factor; complication of 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 2015**





## **AGE-SPECIFIC MORTALITY**

**5.1  
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIANS IN 2015**

		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		2,140†	40†	20†	20†	80†	200†	190†	330†	340†	340†	320†	270†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	10†	0	0	*	*	0	*	*	*	*	0	0
	<b>Cocopah Tribe</b>	0†	0	0	0	0	0	0	0	*	0	0	0
	<b>Colorado River Indian Tribe</b>	10†	0	0	0	0	0	0	*	*	*	*	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	10†	0	0	0	*	*	0	0	*	*	0	0
	<b>Fort Mohave Reservation</b>	10†	*	0	0	0	0	*	*	0	*	0	*
	<b>Gila River Indian Community</b>	120†	*	*	*	*	11	15	26	19	18	12	7
	<b>Havasupai Tribe</b>	10†	*	0	0	*	0	*	*	*	0	0	0
	<b>Hopi Tribe</b>	70†	*	*	*	*	7	8	6	11	10	11	12
	<b>Hualapai Tribe</b>	20†	0	*	0	*	*	0	*	*	*	*	*
	<b>Navajo Nation</b>	700†	8	*	8	23	61	62	82	88	108	129	127
	<b>Pascua Yaqui Tribe</b>	10†	0	0	0	0	*	*	*	*	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	50†	*	*	0	*	*	*	10	9	*	8	*
	<b>San Carlos Apache Tribe</b>	120†	*	*	0	*	9	7	23	20	16	25	7
	<b>Tohono O'Odham Nation</b>	80†	0	0	*	*	*	*	20	17	12	14	8
	<b>White Mountain Apache Tribe</b>	120†	*	0	*	*	12	8	25	19	19	17	9
	<b>Yavapai-Apache Nation</b>	10†	0	0	0	0	0	*	0	*	*	*	*
<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	0	0	0	0	*	0	0	*	0	
<b>TOTAL</b>	1,310†	20†	10†	10†	50†	120†	110†	200†	190†	200†	220†	180†	
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	280†	7	*	*	14	26	34	51	55	43	23	22
	<b>---in Pima County</b>	150†	*	*	*	*	11	8	26	30	24	19	18
	<b>---in Coconino County</b>	80†	*	0	0	6	12	7	8	10	12	13	11
	<b>---elsewhere in Arizona</b>	320†	6	*	*	12	34	29	42	53	54	39	44
	<b>TOTAL</b>	830†	20†	10†	10†	40†	83	78	127	148	133	94	95

Notes: \* 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 2015**

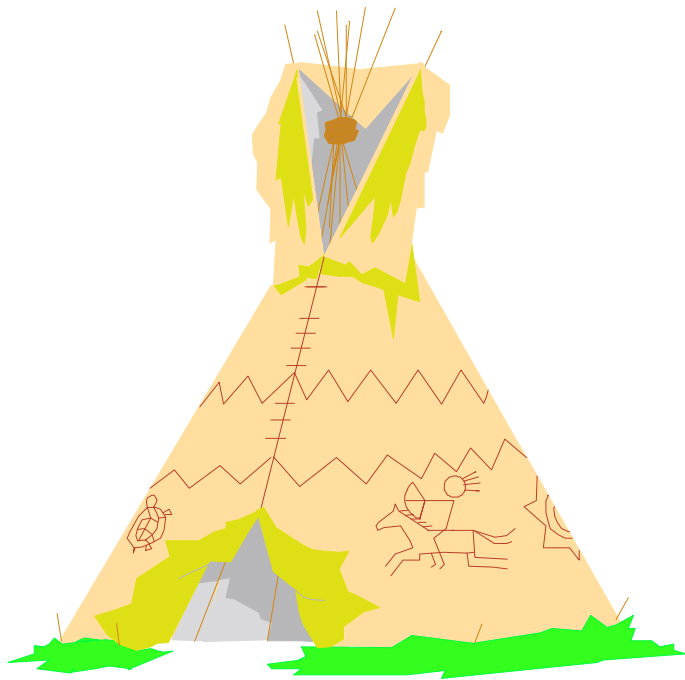
		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		1,190†	20†	10†	10†	60†	130†	130†	200†	200†	170†	150†	100†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	0†	0	0	0	*	0	*	*	0	0	0	0
	<b>Cocopah Tribe</b>	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Colorado River Indian Tribe</b>	0†	0	0	0	0	0	0	*	0	*	0	0
	<b>Fort McDowell Yavapai Nation Reservation</b>	0†	0	0	0	0	0	0	0	0	*	0	0
	<b>Fort Mohave Reservation</b>	0†	*	0	0	0	0	*	*	0	*	0	0
	<b>Gila River Indian Community</b>	60†	*	0	*	*	*	6	14	11	8	*	*
	<b>Havasupai Tribe</b>	0†	0	0	0	0	0	0	0	*	0	0	0
	<b>Hopi Tribe</b>	40†	*	*	*	*	*	*	*	7	6	*	*
	<b>Hualapai Tribe</b>	10†	0	*	0	*	*	0	0	*	*	*	0
	<b>Navajo Nation</b>	420†	6	*	*	20	47	45	58	61	63	65	47
	<b>Pascua Yaqui Tribe</b>	0†	0	0	0	0	*	*	*	0	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	30†	*	*	0	*	*	*	6	9	*	*	*
	<b>San Carlos Apache Tribe</b>	60†	0	*	0	*	6	*	12	11	8	14	*
	<b>Tohono O'Odham Nation</b>	40†	0	0	0	*	*	*	13	8	*	*	*
	<b>White Mountain Apache Tribe</b>	50†	*	0	*	*	6	*	15	13	*	*	*
	<b>Yavapai-Apache Nation</b>	0†	0	0	0	0	0	*	0	0	*	*	*
<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	0	0	0	0	*	0	0	*	0	
	<b>TOTAL</b>	730†	10†	10†	10†	40†	80†	70†	130†	120†	100†	100†	60†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	150†	*	0	*	9	15	22	28	24	18	14	8
	<b>---in Pima County</b>	80†	*	*	*	*	*	7	16	16	13	10	*
	<b>---in Coconino County</b>	50†	*	0	0	*	10	*	*	*	7	9	6
	<b>---elsewhere in Arizona</b>	190†	*	*	*	9	21	22	27	33	29	19	21
		<b>TOTAL</b>	460†	10†	0†	0†	30†	50†	60†	80†	80†	67	52

Notes: \* 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 2015**

		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
<b>ALL AMERICAN INDIAN RESIDENTS OF ARIZONA</b>		950†	20†	10†	10†	20†	70†	60†	120†	140†	170†	160†	170†
<b>Resided on reservation</b>	<b>Ak-Chin Indian Community</b>	0†	0	0	*	0	0	*	0	*	*	0	0
	<b>Cocopah Tribe</b>	0†	0	0	0	0	0	0	0	*	0	0	0
	<b>Colorado River Indian Tribe</b>	0†	0	0	0	0	0	0	0	*	0	*	*
	<b>Fort McDowell Yavapai Nation Reservation</b>	10†	0	0	0	*	*	0	0	*	*	0	0
	<b>Fort Mohave Reservation</b>	0†	0	0	0	0	0	0	0	0	0	0	*
	<b>Gila River Indian Community</b>	60†	*	*	0	*	6	9	12	8	10	8	*
	<b>Havasupai Tribe</b>	0†	*	0	0	*	0	*	*	0	0	0	0
	<b>Hopi Tribe</b>	30†	0	0	0	0	*	*	*	*	*	8	9
	<b>Hualapai Tribe</b>	10†	0	0	0	*	*	0	*	*	*	0	*
	<b>Navajo Nation</b>	280†	*	*	*	*	14	17	24	27	45	64	80
	<b>Pascua Yaqui Tribe</b>	0†	0	0	0	0	*	0	0	*	0	0	0
	<b>Salt River Pima-Maricopa Indian Community</b>	20†	0	0	0	0	*	0	*	0	*	6	*
	<b>San Carlos Apache Tribe</b>	50†	*	*	0	0	*	*	11	9	8	11	*
	<b>Tohono O'Odham Nation</b>	40†	0	0	*	0	*	*	7	9	7	9	6
	<b>White Mountain Apache Tribe</b>	70†	*	0	0	*	6	*	10	6	15	13	7
	<b>Yavapai-Apache Nation</b>	0†	0	0	0	0	0	0	0	*	*	0	0
<b>Yavapai-Prescott Indian Tribe</b>	0†	0	0	0	0	0	0	*	0	0	0	0	
	<b>TOTAL</b>	580†	10†	0†	10†	10†	40†	40†	70†	70†	100†	120†	120†
<b>Resided off reservation</b>	<b>---in Maricopa County</b>	130†	*	*	0	*	11	12	23	31	25	9	14
	<b>---in Pima County</b>	70†	*	*	0	*	6	*	10	14	11	9	14
	<b>---in Coconino County</b>	30†	0	0	0	*	*	*	*	7	*	*	*
	<b>---elsewhere in Arizona</b>	130†	*	*	*	*	13	7	15	20	25	20	23
		<b>TOTAL</b>	370†	10†	10†	0†	10†	30†	20†	50†	72	70†	40†

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



## **CAUSE-SPECIFIC MORTALITY**

**5.4**  
**DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015**

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
<b>Total, all causes</b>	2,140	1,187	953
Salmonella infections	0†	0	*
Shigellosis and amebiasis	0	0	0
Certain other intestinal infections	10†	*	9
Enterocolitis due to Clostridium difficile	10†	*	*
Tuberculosis	0†	*	*
Respiratory tuberculosis	0†	0	*
Other tuberculosis	0†	*	0
Whooping cough	0	0	0
Scarlet fever and erysipelas	0	0	0
Meningococcal infection	0	0	0
Septicemia	33	14	19
Syphilis	0	0	0
Acute poliomyelitis	0	0	0
Arthropod-borne encephalitis	0	0	0
Measles	0	0	0
Viral hepatitis	14	6	8
Human immunodeficiency virus (HIV) disease	10†	*	*
Malaria	0	0	0
Other and unspecified infectious and parasitic diseases	10†	*	*
Malignant neoplasms	258	125	133
Malignant neoplasm of lip, oral cavity and pharynx	10†	*	*
Malignant neoplasm of esophagus	10†	*	*
Malignant neoplasm of stomach	10†	*	7
Malignant neoplasm of colon, rectum and anus	29	17	12
Malignant neoplasm of liver and intrahepatic bile ducts	32	19	13
Malignant neoplasm of pancreas	10†	*	10
Malignant neoplasm of larynx	0	0	0
Malignant neoplasm of trachea, bronchus and lung	16	8	8
Malignant melanoma of skin	0†	0	*
Malignant neoplasm of breast	16	0	16
Malignant neoplasm of cervix uteri	0†	0	*
Malignant neoplasm of corpus uteri and uterus, part unspecified	6	0	6
Malignant neoplasm of ovary	10	0	10
Malignant neoplasm of prostate	18	18	0
Malignant neoplasm of kidney and renal pelvis	20†	14	*
Malignant neoplasm of bladder	0†	*	0

**5.4 (continued)**  
**DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015**

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Malignant neoplasm of meninges, brain and other parts of CNS	10†	*	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	27	13	14
Hodgkin's disease	0†	*	*
Non-Hodgkin's lymphoma	10†	*	6
Leukemia	10†	6	*
Multiple myeloma and immunoproliferative neoplasms	10†	*	*
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0
All other and unspecified malignant neoplasm	42	18	24
In situ neoplasms	10†	*	*
Anemias	0†	*	*
Diabetes	164	85	79
Nutritional deficiencies	10†	*	*
Malnutrition	10†	*	*
Other nutritional deficiencies	0†	0	*
Obesity	10†	*	*
Meningitis	0†	*	*
Parkinson's disease	14	8	6
Alzheimer's disease	34	13	21
Major cardiovascular diseases	339	183	156
Diseases of heart	245	144	101
Acute rheumatic fever and chronic rheumatic heart disease	0†	*	*
Hypertensive heart disease	20	14	6
Hypertensive heart and renal disease	0†	*	*
Ischemic heart disease	145	87	58
Acute myocardial infarction	36	23	13
Other acute ischemic heart disease	0†	*	*
Other forms of chronic ischemic heart disease	106	62	44
Atherosclerotic cardiovascular disease	32	25	7
All other forms of chronic ischemic heart disease	74	37	37
Other heart diseases	75	41	34
Acute and subacute endocarditis	0†	0	*
Diseases of pericardium and acute myocarditis	0†	*	0
Heart failure	10†	7	*
All other forms of heart disease	62	33	29
Essential (primary) hypertension and hypertensive renal disease	29	11	18
Cerebrovascular diseases	60	25	35

**5.4 (continued)**  
**DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015**

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Atherosclerosis	0†	*	0
Other diseases of circulatory system	0†	*	*
Aortic aneurysm and dissection	0†	*	*
Other disease of arteries, arterioles and capillaries	0†	*	*
Other disorders of circulatory system	0†	*	*
Influenza and pneumonia	42	20	22
Influenza	0†	*	*
Pneumonia	39	19	20
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	31	16	15
Bronchitis, chronic and unspecified	0	0	0
Emphysema	0†	*	*
Asthma	0†	*	*
Other chronic lower respiratory diseases	25	13	12
Pneumoconioses and chemical effects	0†	*	0
Pneumonitis due to solids and liquids	19	8	11
Other disease of respiratory system	41	29	12
Peptic ulcer	0†	*	0
Diseases of appendix	0	0	0
Hernia	0†	0	*
Chronic liver disease and cirrhosis	193	107	86
Alcoholic liver disease	172	96	76
Other chronic liver disease and cirrhosis	21	11	10
Cholelithiasis and other disorders of gallbladder	0†	0	*
Nephritis, nephrotic syndrome and nephrosis	34	13	21
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0
Chronic glomerulonephritis	10†	*	*
Renal failure	29	10	19
Others disorders of kidney	0	0	0
Infections of kidney	0†	*	*
Hyperplasia of prostate	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0
Pregnancy, childbirth and the puerperium	0†	0	*

**5.4 (continued)**  
**DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015**

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Pregnancy with abortive outcome	0	0	0
Other complications of pregnancy, childbirth and the puerperium	0†	0	*
Perinatal conditions	15	8	7
Congenital anomalies, deformations and chromosomal abnormalities	17	10	7
Symptoms, signs, abnormal findings	91	55	36
Total accidents	355	242	113
Transport accidents	163	106	57
Motor vehicle accidents	154	100	54
Other land transport accidents	0†	*	*
Water, air, space	10†	*	*
Nontransport accidents	192	136	56
Falls	31	16	15
Accidental discharge of firearms	0†	*	0
Accidental drowning and submersion	0†	*	0
Accidental exposure to smoke, fire and flames	10†	*	*
Accidental poisoning	90	68	22
Excessive natural heat	0†	*	*
Excessive natural cold	10†	11	*
Other and unspecified nontransport accidents	61	44	17
Intentional self-harm (suicide)	58	42	16
By discharge of firearms	10†	8	*
By other means	47	34	13
Assault (homicide)	45	36	9
By discharge of firearms	20†	16	*
By other means	30†	20	*
Legal intervention	0	0	0
Events of undetermined intent	10†	7	*
Discharge of firearms	0†	*	0
Other and unspecified events of undetermined intent	10†	6	*
Operations of war	0	0	0
Complications of medical and surgical care	0†	*	0
<b>INJURY BY FIREARMS</b>	<b>33</b>	<b>26</b>	<b>7</b>
<b>DRUG-INDUCED DEATHS</b>	<b>42</b>	<b>29</b>	<b>13</b>
<b>ALCOHOL-INDUCED DEATHS</b>	<b>281</b>	<b>182</b>	<b>99</b>

Notes: \* 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, 2015**

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+
<b>Total, all causes</b>	2,140	39	16	18	84	199	191	327	342	335	315	274
Salmonella infections	0†	*	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	10†	*	0	0	0	0	*	0	*	*	*	*
Enterocolitis due to Clostridium difficile	10†	0	0	0	0	0	*	0	*	*	*	*
Tuberculosis	0†	0	0	0	0	0	0	0	0	*	0	*
Respiratory tuberculosis	0†	0	0	0	0	0	0	0	0	*	0	0
Other tuberculosis	0†	0	0	0	0	0	0	0	0	0	0	*
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	30†	*	0	*	0	*	0	*	11	7	*	*
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	10†	0	0	0	0	0	0	*	*	*	0	0
Human immunodeficiency virus (HIV) disease	10†	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	10†	*	*	0	0	*	0	0	*	0	0	*
Malignant neoplasms	260†	0	*	*	*	8	12	30	49	63	62	30
Malignant neoplasm of lip, oral cavity and pharynx	10†	0	0	0	0	0	*	*	0	*	0	0
Malignant neoplasm of esophagus	10†	0	0	0	0	0	*	0	*	0	*	*
Malignant neoplasm of stomach	10†	0	0	0	0	*	*	0	*	*	*	0
Malignant neoplasm of colon, rectum and anus	30†	0	0	0	0	*	*	6	6	*	*	*
Malignant neoplasm of liver and intrahepatic bile ducts	30†	0	0	0	0	0	*	*	8	8	9	*
Malignant neoplasm of pancreas	10†	0	0	0	0	0	0	0	*	*	*	*
Malignant neoplasm of larynx	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	20†	0	0	0	0	0	0	*	*	*	*	*
Malignant melanoma of skin	0†	0	0	0	0	0	0	0	0	*	0	*
Malignant neoplasm of breast	20†	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	*	*	*	0	*
Malignant neoplasm of ovary	10†	0	0	0	0	0	0	*	*	*	0	0
Malignant neoplasm of prostate	20†	0	0	0	0	0	0	0	*	*	8	*

**5.5 (continued)**  
**DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015**

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	*	7	*	*
Malignant neoplasm of bladder	0†	0	0	0	0	0	0	0	0	*	0	0
Malignant neoplasm of meninges, brain and other parts of CNS	10†	0	0	*	*	0	0	0	0	*	*	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	30†	0	*	0	*	*	*	*	*	*	9	*
Hodgkin's disease	0†	0	0	0	0	*	0	0	0	0	*	0
Non-Hodgkin's lymphoma	10†	0	0	0	0	0	0	*	0	*	*	*
Leukemia	10†	0	*	0	*	0	*	*	0	*	*	0
Multiple myeloma and immunoproliferative neoplasms	10†	0	0	0	0	0	0	*	*	*	*	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	40†	0	0	0	0	*	*	*	12	10	8	*
In situ neoplasms	10†	0	0	0	0	0	*	0	0	*	*	*
Anemias	0†	0	0	0	0	0	0	0	*	0	*	*
Diabetes	160†	0	0	0	0	*	8	29	41	48	23	13
Nutritional deficiencies	10†	0	0	0	0	0	0	0	*	*	*	*
Malnutrition	10†	0	0	0	0	0	0	0	*	*	*	*
Other nutritional deficiencies	0†	0	0	0	0	0	0	0	0	0	*	0
Obesity	10†	0	0	0	0	*	*	*	*	*	0	0
Meningitis	0†	0	0	0	0	0	0	*	*	*	0	0
Parkinson's disease	14	0	0	0	0	0	0	0	0	0	8	6
Alzheimer's disease	30†	0	0	0	0	0	0	0	0	*	14	17
Major cardiovascular diseases	340†	0	*	0	6	10	14	44	60	66	70	68
Diseases of heart	250†	0	*	0	6	9	11	34	40	47	51	46
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	*	*	*	*	*	*	*
Hypertensive heart and renal disease	0†	0	0	0	0	0	0	*	0	*	*	0
Ischemic heart disease	150†	0	0	0	0	0	*	15	29	33	34	29
Acute myocardial infarction	40†	0	0	0	0	0	*	*	11	6	12	*
Other acute ischemic heart disease	0†	0	0	0	0	0	0	*	*	0	0	*
Other forms of chronic ischemic heart disease	110†	0	0	0	0	0	*	12	17	27	22	26
Atherosclerotic cardiovascular disease	30†	0	0	0	0	0	*	6	6	13	*	*
All other forms of chronic ischemic heart disease	70†	0	0	0	0	0	*	6	11	14	18	24
Other heart diseases	80†	0	*	0	6	8	*	14	8	11	11	13
Acute and subacute endocarditis	0†	0	0	0	0	*	0	0	0	0	*	0
Diseases of pericardium and acute myocarditis	0†	0	0	0	0	0	0	0	*	0	0	0
Heart failure	10†	0	0	0	0	*	0	*	0	*	*	*
All other forms of heart disease	60†	0	*	0	6	6	*	13	7	10	7	9

**5.5 (continued)**  
**DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015**

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Essential (primary) hypertension and hypertensive renal disease	30†	0	0	0	0	0	0	*	12	7	*	*
Cerebrovascular diseases	60†	0	0	0	0	*	*	6	8	11	14	17
Atherosclerosis	0†	0	0	0	0	0	0	*	0	0	0	0
Other diseases of circulatory system	0†	0	0	0	0	0	0	*	0	*	*	*
Aortic aneurysm and dissection	0†	0	0	0	0	0	0	0	0	*	*	0
Other disease of arteries, arterioles and capillaries	0†	0	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	40†	0	0	0	0	*	*	*	*	*	11	18
Influenza	0†	0	0	0	0	0	0	0	*	0	*	0
Pneumonia	40†	0	0	0	0	*	*	*	*	*	9	18
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	30†	0	0	*	0	0	0	*	*	11	6	*
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	0†	0	0	*	0	0	0	*	0	0	0	0
Other chronic lower respiratory diseases	30†	0	0	0	0	0	0	*	*	11	*	*
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	*	*	*	*	7
Other disease of respiratory system	40†	0	0	0	0	0	*	*	6	18	7	6
Peptic ulcer	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	190†	0	0	0	*	15	39	74	37	19	*	*
Alcoholic liver disease	170†	0	0	0	*	15	35	68	31	14	*	*
Other chronic liver disease and cirrhosis	20†	0	0	0	0	0	*	6	6	*	0	0
Cholelithiasis and other disorders of gallbladder	0†	0	0	0	0	0	0	0	0	*	*	0
Nephritis, nephrotic syndrome and nephrosis	30†	0	0	0	0	0	*	*	*	6	12	7
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	10†	0	0	0	0	0	0	0	0	*	*	*
Renal failure	30†	0	0	0	0	0	*	*	*	*	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	*	*	*
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, 2015**

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	0†	0	0	0	0	*	*	0	0	0	0	0
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0
Other complications of pregnancy, childbirth and the puerperium	0†	0	0	0	0	*	*	0	0	0	0	0
Perinatal conditions	15	15	0	0	0	0	0	0	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	20†	10	*	*	*	*	*	0	0	0	0	0
Symptoms, signs, abnormal findings	90†	*	*	0	*	13	12	13	*	13	10	14
Total accidents	360†	*	7	8	29	80	66	62	51	13	19	17
Transport accidents	160†	*	*	7	20	45	29	26	25	*	*	0
Motor vehicle accidents	150†	*	*	6	19	44	28	24	25	*	*	0
Other land transport accidents	0†	0	0	0	*	*	0	0	0	*	0	0
Water, air, space	10†	0	0	*	0	0	*	*	0	*	0	0
Nontransport accidents	190†	*	*	*	9	35	37	36	26	8	18	17
Falls	30†	0	0	0	*	*	*	*	7	*	*	11
Accidental discharge of firearms	0†	0	0	0	*	0	0	0	0	0	0	0
Accidental drowning and submersion	0†	0	0	0	0	*	0	*	*	0	0	0
Accidental exposure to smoke, fire and flames	10†	0	0	0	*	0	*	*	0	*	0	0
Accidental poisoning	90†	0	0	*	*	23	27	19	12	*	*	0
Excessive natural heat	0†	0	0	0	0	0	0	*	*	0	*	0
Excessive natural cold	10†	0	0	0	0	0	*	*	*	*	*	*
Other and unspecified nontransport accidents	60†	*	*	0	*	9	8	11	6	*	9	6
Intentional self-harm (suicide)	60†	0	0	*	22	17	8	8	*	0	0	0
By discharge of firearms	10†	0	0	0	*	*	*	*	0	0	0	0
By other means	50†	0	0	*	19	14	*	6	*	0	0	0
Assault (homicide)	50†	0	0	*	8	19	8	*	*	*	*	0
By discharge of firearms	20†	0	0	*	*	6	*	*	*	0	*	0
By other means	30†	0	0	0	*	13	*	*	*	*	0	0
Legal intervention	0	0	0	0	0	0	0	0	0	0	0	0
Events of undetermined intent	10†	0	0	0	*	*	*	*	*	*	0	0
Discharge of firearms	0†	0	0	0	*	0	0	0	0	0	0	0
Other and unspecified events of undetermined intent	10†	0	0	0	0	*	*	*	*	*	0	0
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	0†	0	0	0	0	0	0	*	0	0	0	0
<b>INJURY BY FIREARMS</b>	<b>30†</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>10</b>	<b>9</b>	<b>6</b>	<b>*</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>0</b>
<b>DRUG-INDUCED DEATHS</b>	<b>40†</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>14</b>	<b>13</b>	<b>9</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ALCOHOL-INDUCED DEATHS</b>	<b>280†</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>6</b>	<b>39</b>	<b>55</b>	<b>97</b>	<b>50</b>	<b>22</b>	<b>10</b>	<b>*</b>

Notes: \* 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, 2015

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	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
<b>Total, all causes</b>	2,140	7	1	6	7	6	118	5	69	19	698	5	48	115	81	119	6	3	1,310†	279	148	81	319	827
Salmonella infections	0†	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0†	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	10†	0	0	0	0	*	0	0	*	0	*	0	0	*	0	*	0	0	10†	*	*	*	0	0†
Enterocolitis due to Clostridium difficile	10†	0	0	0	0	0	0	0	*	0	*	0	0	*	0	*	0	0	10†	0	*	*	0	0†
Tuberculosis	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	*	0	*	0†
Respiratory tuberculosis	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	*	0	0	0†
Other tuberculosis	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0†
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	33	0	0	0	0	*	*	0	0	0	11	0	0	*	0	6	*	0	20†	*	*	*	6	10†
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	0	0	0	*	0†	6	0	0	*	10†
Human immunodeficiency virus (HIV) disease	10†	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	6	0	0	0	0	0	0	0	0	0	*	0	0	0	0	*	0	0	10†	0	0	0	0	0
Malignant neoplasms	258	*	0	*	*	*	11	0	12	0	75	*	7	17	10	7	0	0	150†	34	27	11	40	112
Malignant neoplasm of lip, oral cavity and pharynx	10†	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0†	*	*	0	*	0†	
Malignant neoplasm of esophagus	10†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0	0†	*	0	0	0	0†	
Malignant neoplasm of stomach	10†	0	0	0	*	0	0	0	0	0	*	*	0	0	0	0	0	10†	*	*	0	*	0†	
Malignant neoplasm of colon, rectum and anus	29	*	0	0	0	0	*	0	*	0	8	0	0	*	*	0	0	20†	*	*	0	*	10†	
Malignant neoplasm of liver and intrahepatic bile ducts	32	0	0	0	0	*	*	0	*	0	*	0	*	*	*	*	0	0	20†	*	*	*	*	10†
Malignant neoplasm of pancreas	13	0	0	0	0	0	0	0	0	0	6	0	0	0	*	0	0	10†	*	*	*	0	10†	
Malignant neoplasm of larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	20†	0	0	*	0	0	*	0	*	0	*	0	*	0	0	0	0	0	10†	*	0	*	6	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	0	0
Malignant neoplasm of breast	16	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	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†
Malignant neoplasm of ovary	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	10†	*	0	*	0	10†
Malignant neoplasm of prostate	18	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	11	*	*	0	*	10†
Malignant neoplasm of kidney and renal pelvis	19	0	0	0	0	0	0	0	*	0	*	0	0	*	0	0	0	0	10†	*	*	*	*	10†

5.6 (continued)

DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015

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	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total	
Malignant neoplasm of bladder	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of meninges, brain and other parts of CNS	10†	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	27	0	0	0	0	0	0	0	0	0	7	0	*	*	*	*	0	0	20	*	*	0	*	10	
Hodgkin's disease	0†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0	0	0	0	0	0	
Non-Hodgkin's lymphoma	10†	0	0	0	0	0	0	0	0	0	*	0	0	0	*	*	0	0	10	*	0	0	*	0	
Leukemia	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0	0	*	*	0	*	
Multiple myeloma and immunoproliferative neoplasms	10†	0	0	0	0	0	0	0	0	0	*	0	*	*	0	0	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	42	0	0	0	0	0	*	0	*	0	14	0	*	*	*	*	0	0	30	*	*	*	*	20	
In situ neoplasms	10†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0	0	0	0	*	0	0	*	
Anemias	0†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	*	0	0	0	0	0	0	0	0	
Diabetes	164	0	*	0	0	*	8	0	*	*	44	0	8	13	16	7	*	*	110	21	12	*	24	60	
Nutritional deficiencies	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	10	0	0	*	*	0	
Malnutrition	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0	0	0	*	*	0	
Other nutritional deficiencies	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	
Obesity	10†	0	0	0	0	0	*	0	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	0	0	0	0	0	0	0	
Parkinson's disease	10†	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9	*	*	0	*	10	
Alzheimer's disease	34	0	0	*	0	0	*	0	0	0	8	0	0	*	*	*	0	0	20	*	*	*	*	9	
Major cardiovascular diseases	339	*	0	0	*	*	17	0	12	*	120	0	*	17	14	15	*	0	210	41	20	16	53	130	
Diseases of heart	245	*	0	0	0	*	9	0	10	*	94	0	*	9	12	10	*	0	160	27	11	8	42	88	
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	20	0	0	0	0	*	*	0	*	*	*	0	*	*	0	0	0	0	10	0	0	0	6	6	
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	145	*	0	0	0	0	6	0	7	*	56	0	*	*	9	*	*	0	90	18	9	*	22	50	
Acute myocardial infarction	36	*	0	0	0	0	0	0	*	0	13	0	0	0	*	*	0	0	20	7	*	*	*	20	
Other acute ischemic heart disease	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other forms of chronic ischemic heart disease	106	0	0	0	0	0	6	0	*	*	40	0	*	*	6	*	*	0	70	11	6	*	17	40	
Atherosclerotic cardiovascular disease	32	0	0	0	0	0	*	0	*	0	12	0	0	*	0	*	*	0	20	*	*	*	*	10	
All other forms of chronic ischemic heart disease	74	0	0	0	0	0	*	0	*	*	28	0	*	*	6	*	*	0	50	9	*	*	12	30	
Other heart diseases	75	0	0	0	0	0	*	0	*	*	31	0	*	*	*	6	0	0	50	9	*	*	12	30	
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	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	
Heart failure	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	10	0	*	0	*	0	
All other forms of heart disease	62	0	0	0	0	0	*	0	*	*	24	0	*	*	*	*	0	0	40	9	*	*	9	20	

5.6 (continued)

DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015

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	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Essential (primary) hypertension and hypertensive renal disease	29	0	0	0	*	0	*	0	0	0	*	0	*	0	*	0	0	0	20†	9	*	0	*	10†
Cerebrovascular diseases	60	0	0	0	0	0	*	0	*	0	19	0	0	*	*	*	0	0	30†	*	*	7	9	30†
Atherosclerosis	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	0	0
Other diseases of circulatory system	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	*	*	0	0†
Aortic aneurysm and dissection	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	0	0†
Other disease of arteries, arterioles and capillaries	0†	0	0	0	0	0	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	*	0†
Influenza and pneumonia	42	0	0	*	0	0	0	0	*	0	23	0	0	*	0	*	0	0	30†	*	*	*	*	10†
Influenza	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	*	0†
Pneumonia	39	0	0	*	0	0	0	0	*	0	21	0	0	*	0	*	0	0	30†	*	*	*	*	10†
Other acute lower respiratory infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute bronchiolitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified acute lower respiratory infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	31	0	0	*	0	0	*	0	0	*	*	0	0	*	*	*	0	0	10†	8	*	*	*	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	0
Emphysema	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	0	0
Asthma	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0†
Other chronic lower respiratory diseases	25	0	0	*	0	0	*	0	0	*	*	0	0	*	*	*	0	0	10†	*	*	*	*	20†
Pneumoconioses and chemical effects	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	0	0
Pneumonitis due to solids and liquids	19	0	0	0	0	0	0	0	*	0	7	0	0	*	*	*	0	0	10†	*	*	*	*	10†
Other disease of respiratory system	41	0	0	0	0	0	*	0	*	0	13	*	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
Diseases of appendix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hernia	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0†
Chronic liver disease and cirrhosis	193	*	0	0	*	0	21	*	*	*	34	*	9	13	12	20	*	0	120†	30	12	*	22	70†
Alcoholic liver disease	172	*	0	0	*	0	21	*	*	*	30	*	8	12	10	19	*	0	110†	29	10	*	18	60†
Other chronic liver disease and cirrhosis	21	0	0	0	*	0	0	*	*	0	*	0	*	*	*	*	0	0	10†	*	*	*	*	10†
Cholelithiasis and other disorders of gallbladder	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	*	0†
Nephritis, nephrotic syndrome and nephrosis	34	0	0	0	0	0	*	0	*	*	*	0	*	*	*	*	0	0	20†	*	*	0	*	10†
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	10†	0	0	0	0	0	*	0	0	0	*	0	0	*	0	0	0	0	10†	0	0	0	0	0
Renal failure	29	0	0	0	0	0	*	0	*	*	*	0	*	*	*	*	0	0	20†	*	*	0	*	10†
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	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, 2015

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	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total	
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	
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	
Perinatal conditions	15	0	0	0	0	*	*	0	0	0	*	0	0	*	0	*	0	0	0	10†	*	*	*	*	10†
Congenital anomalies, deformations and chromosomal abnormalities	17	0	0	0	0	0	*	0	0	0	*	0	*	0	0	0	0	0	0	10†	*	*	*	*	10†
Symptoms, signs, abnormal findings	91	0	0	0	0	0	*	0	*	0	46	0	*	*	*	*	0	0	60†	11	*	*	*	16	30†
Total accidents	355	*	0	0	*	0	21	*	11	*	127	0	*	18	8	21	0	*	220†	43	19	15	58	135	
Transport accidents	163	*	0	0	*	0	12	*	6	*	50	0	*	12	*	10	0	0	100†	19	7	8	29	63	
Motor vehicle accidents	154	*	0	0	*	0	12	*	6	*	49	0	*	12	*	8	0	0	100†	15	7	8	28	58	
Other land transport accidents	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0	0†	0	0	0	*	0†	
Water, air, space	10†	*	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0†	*	0	0	0	0†	
Nontransport accidents	192	0	0	0	0	0	9	*	*	*	77	0	*	6	*	11	0	*	120†	24	12	7	29	72	
Falls	31	0	0	0	0	0	*	0	0	0	8	0	0	*	*	*	0	*	20†	*	*	*	*	10†	
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	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	*	0	0	0	0†	
Accidental exposure to smoke, fire and flames	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0†	*	0	0	0	0†	
Accidental poisoning	90	0	0	0	0	0	*	0	*	*	34	0	*	*	*	9	0	0	60†	14	6	*	13	40†	
Excessive natural heat	0†	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0†	*	*	0	0	0†	
Excessive natural cold	10†	0	0	0	0	0	0	*	0	0	8	0	0	0	0	*	0	0	10†	0	0	0	0	* 0†	
Other and unspecified nontransport accidents	61	0	0	0	0	0	*	*	*	*	30	0	*	*	0	*	0	0	40†	*	*	*	12	20†	
Intentional self-harm (suicide)	58	*	0	0	0	0	*	0	*	*	20	0	0	*	0	*	0	0	30†	8	*	*	12	20†	
By discharge of firearms	10†	*	0	0	0	0	*	0	*	0	*	0	0	0	0	0	0	0	10†	*	*	*	*	10†	
By other means	47	0	0	0	0	0	*	0	*	*	18	0	0	*	0	*	0	0	30†	7	*	*	9	20†	
Assault (homicide)	45	0	0	0	0	0	*	0	0	0	17	0	*	0	*	*	0	0	30†	10	*	*	*	20†	
By discharge of firearms	20	0	0	0	0	0	*	0	0	0	6	0	0	0	*	0	0	0	10†	7	*	0	*	10†	
By other means	25	0	0	0	0	0	*	0	0	0	11	0	*	0	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	0	0	0	
Events of undetermined intent	10†	0	0	0	0	0	0	0	*	0	*	0	0	0	*	0	0	0	10†	*	*	*	*	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	10†	0	0	0	0	0	0	0	*	0	*	0	0	0	*	0	0	0	10†	*	*	*	*	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	0	
<b>INJURY BY FIREARMS</b>	<b>33</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20†</b>	<b>9</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>20†</b>	
<b>DRUG-INDUCED DEATHS</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20†</b>	<b>10</b>	<b>7</b>	<b>*</b>	<b>8</b>	<b>30†</b>	
<b>ALCOHOL-INDUCED DEATHS</b>	<b>281</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>23</b>	<b>*</b>	<b>6</b>	<b>*</b>	<b>74</b>	<b>*</b>	<b>11</b>	<b>16</b>	<b>13</b>	<b>33</b>	<b>*</b>	<b>0</b>	<b>190†</b>	<b>42</b>	<b>13</b>	<b>6</b>	<b>32</b>	<b>93</b>	

Notes: \* 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, 2015

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
<b>Total, all causes</b>	2,140†	459	3	266	105	19	4	23	366	53	382	230	147	0	25	15	43
Salmonella infections	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	*
Respiratory tuberculosis	0†	*	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Other tuberculosis	1	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	30†	9	0	*	*	0	0	0	*	*	10	*	*	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	*	6	0	*	0	0	0	*	*	0
Human immunodeficiency virus (HIV) disease	10†	*	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	10†	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Malignant neoplasms	260†	43	*	33	16	*	0	6	44	7	42	37	18	0	*	*	*
Malignant neoplasm of lip, oral cavity and pharynx	10†	0	0	0	0	*	0	0	*	0	*	*	0	0	0	*	0
Malignant neoplasm of esophagus	10†	*	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0
Malignant neoplasm of stomach	10†	*	0	*	0	0	0	0	*	0	0	*	*	0	0	0	0
Malignant neoplasm of colon, rectum and anus	30†	*	0	*	*	0	0	0	*	0	8	*	*	0	*	0	0
Malignant neoplasm of liver and intrahepatic bile ducts	30†	*	0	*	*	0	0	*	*	*	*	8	7	0	0	*	0
Malignant neoplasm of pancreas	10†	*	0	*	0	0	0	0	*	0	*	*	0	0	0	0	0
Malignant neoplasm of larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	20†	*	0	*	0	0	0	*	*	*	*	0	*	0	0	0	0
Malignant melanoma of skin	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Malignant neoplasm of breast	20†	*	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
Malignant neoplasm of ovary	10†	0	0	*	*	0	0	0	*	0	*	0	0	0	0	0	0
Malignant neoplasm of prostate	20†	*	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	0	0	0

**5.7 (continued)**  
**DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015**

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	10+	*	0	*	0	0	0	0	0	0	0	*	0	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	30+	*	*	*	*	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	*
Non-Hodgkin's lymphoma	10+	*	*	0	0	0	0	0	*	0	*	*	0	0	0	0	0
Leukemia	10+	0	0	*	*	0	0	0	*	0	*	*	*	0	0	0	0
Multiple myeloma and immunoproliferative neoplasms	10+	*	0	0	*	0	0	0	*	0	0	*	0	0	0	0	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	40+	9	0	8	*	0	0	*	8	0	7	*	*	0	0	0	0
In situ neoplasms	10+	*	0	*	0	0	0	0	*	0	*	0	*	0	0	0	0
Anemias	0+	*	0	0	*	0	0	0	0	0	*	0	0	0	0	0	0
Diabetes	160+	29	0	10	10	*	*	*	30	*	25	28	13	0	*	*	*
Nutritional deficiencies	10+	*	0	*	*	0	0	0	0	0	*	0	0	0	0	0	0
Malnutrition	10+	*	0	*	*	0	0	0	0	0	*	0	0	0	0	0	0
Other nutritional deficiencies	0+	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Obesity	10+	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	*
Alzheimer's disease	30+	7	0	*	*	0	0	*	6	*	6	*	*	0	0	*	0
Major cardiovascular diseases	340+	78	*	50	17	*	*	*	50	10	55	34	23	0	*	*	8
Diseases of heart	250+	58	*	35	10	0	0	*	32	10	44	23	15	0	*	*	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
Ischemic heart disease	150+	30	0	22	*	0	0	*	19	*	28	18	8	0	*	*	*
Acute myocardial infarction	40+	7	0	*	0	0	0	*	7	*	7	6	*	0	0	*	*
Other acute ischemic heart disease	0+	*	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of chronic ischemic heart disease	110+	22	0	16	*	0	0	*	12	*	21	12	7	0	*	*	*
Atherosclerotic cardiovascular disease	30+	8	0	*	*	0	0	0	*	0	6	*	*	0	*	0	*
All other forms of chronic ischemic heart disease	70+	14	0	11	*	0	0	*	10	*	15	9	6	0	*	*	*
Other heart diseases	80+	22	0	11	*	0	0	*	12	*	13	*	*	0	0	0	*
Acute and subacute endocarditis	0+	0	0	*	0	0	0	0	0	0	*	0	0	0	0	0	0
Diseases of pericardium and acute myocarditis	0+	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Heart failure	10+	*	0	0	*	0	0	0	0	0	*	*	*	0	0	0	0
All other forms of heart disease	60+	17	0	10	*	0	0	*	12	*	9	*	*	0	0	0	*
Essential (primary) hypertension and hypertensive renal disease	30+	*	0	*	*	0	0	*	12	0	*	*	*	0	0	0	0
Cerebrovascular diseases	60+	16	0	13	*	*	*	0	6	0	7	7	*	0	*	0	0

**5.7 (continued)**  
**DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2015**

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	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
Other disease of arteries, arterioles and capillaries	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	*
Influenza and pneumonia	40†	12	0	10	*	*	0	*	*	*	10	*	0	0	0	0	0
Influenza	0†	*	0	*	0	0	0	0	0	*	0	0	0	0	0	0	0
Pneumonia	40†	11	0	9	*	*	0	*	*	0	10	*	0	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	30†	6	0	*	*	0	0	*	8	*	0	7	*	0	0	0	0
Bronchitis, chronic and unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emphysema	0†	*	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0
Asthma	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Other chronic lower respiratory diseases	30†	*	0	*	*	0	0	*	*	*	0	7	*	0	0	0	0
Pneumoconioses and chemical effects	0†	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Pneumonitis due to solids and liquids	20†	*	0	*	*	*	0	0	*	0	6	*	0	0	0	0	0
Other disease of respiratory system	40†	6	0	11	*	*	0	*	*	0	8	9	*	0	0	0	0
Peptic ulcer	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	190†	24	*	14	13	*	0	*	50	6	35	25	16	0	*	*	*
Alcoholic liver disease	170†	20	*	11	12	*	0	*	47	*	31	21	16	0	*	0	*
Other chronic liver disease and cirrhosis	20†	*	0	*	*	0	0	0	*	*	*	*	0	0	0	*	0
Cholelithiasis and other disorders of gallbladder	0†	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	*
Nephritis, nephrotic syndrome and nephrosis	30†	*	0	*	*	*	0	*	6	*	*	*	*	0	0	*	0
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	10†	0	0	*	*	0	0	0	0	0	0	0	*	0	0	0	0
Renal failure	30†	*	0	*	*	*	0	*	6	*	*	*	*	0	0	*	0
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0†	*	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	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, 2015**

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
Perinatal conditions	20†	*	0	*	*	0	0	0	*	*	*	*	*	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	20†	*	0	*	0	0	0	*	6	0	*	*	*	0	*	0	0
Symptoms, signs, abnormal findings	90†	33	0	11	*	0	0	0	12	*	19	*	6	0	0	*	*
Total accidents	360†	94	0	46	16	*	*	*	54	8	63	27	26	0	*	*	9
Transport accidents	160†	33	0	24	12	*	0	0	25	*	33	10	18	0	*	0	*
Motor vehicle accidents	150†	32	0	24	12	*	0	0	20	*	30	10	18	0	*	0	*
Other land transport accidents	0†	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Water, air, space	10†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
Nontransport accidents	190†	61	0	22	*	*	*	*	29	*	30	17	8	0	*	*	6
Falls	30†	6	0	7	*	*	0	*	*	0	*	*	*	0	*	0	*
Accidental discharge of firearms	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Accidental drowning and submersion	0†	*	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0
Accidental exposure to smoke, fire and flames	10†	0	0	*	*	0	0	0	*	0	0	0	0	0	0	0	0
Accidental poisoning	90†	26	0	8	0	*	*	*	17	*	19	9	*	0	*	*	*
Excessive natural heat	0†	0	0	0	0	0	0	0	*	0	0	*	*	0	0	0	0
Excessive natural cold	10†	7	0	*	0	0	0	0	0	0	*	0	0	0	0	0	*
Other and unspecified nontransport accidents	60†	28	0	*	*	0	*	*	*	*	8	*	*	0	0	0	*
Intentional self-harm (suicide)	60†	12	0	7	0	*	0	0	9	*	14	*	7	0	*	0	*
By discharge of firearms	10†	*	0	*	0	0	0	0	*	*	*	*	*	0	0	0	0
By other means	50†	11	0	6	0	*	0	0	8	*	11	*	*	0	*	0	*
Assault (homicide)	50†	11	0	*	0	0	0	0	12	0	10	*	*	0	0	0	*
By discharge of firearms	20†	*	0	*	0	0	0	0	7	0	*	*	*	0	0	0	0
By other means	30†	8	0	*	0	0	0	0	*	0	7	*	0	0	0	0	*
Legal intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Events of undetermined intent	10†	*	0	*	0	0	0	0	*	0	*	*	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	10†	*	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	0
<b>INJURY BY FIREARMS</b>	<b>30†</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>*</b>	<b>6</b>	<b>*</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>DRUG-INDUCED DEATHS</b>	<b>40†</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>	<b>13</b>	<b>0</b>	<b>*</b>	<b>9</b>	<b>*</b>	<b>0</b>	<b>*</b>	<b>*</b>	<b>*</b>
<b>ALCOHOL-INDUCED DEATHS</b>	<b>280†</b>	<b>52</b>	<b>*</b>	<b>25</b>	<b>13</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>65</b>	<b>8</b>	<b>56</b>	<b>28</b>	<b>19</b>	<b>0</b>	<b>*</b>	<b>0</b>	<b>*</b>

Notes: \* 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, 2015**

	TOTAL	Resided on reservation											Resided off reservation						
		Ak-Chin Indian Community	Fort McDowell Yavapai Nation Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL	
<b>TOTAL</b>	<b>ALL AGES</b>	150†	0†	0†	10†	0†	10†	0†	10†	50†	0†	10†	0†	100†	20†	10†	10†	30†	60†
	<1	0†	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	0	0
	1-4	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	0†
	5-14	10†	0	0	0	0	*	0	*	*	0	0	0	0†	0	*	0	*	0†
	15-24	20†	*	*	0	*	0	*	0	*	0	*	0	10†	0	0	*	*	10†
	25-34	44	0	0	*	0	*	0	*	9	0	*	*	20†	*	*	7	7	20†
	35-44	28	0	0	*	0	*	0	*	14	*	*	0	20†	*	0	0	*	10†
	45-54	24	0	0	*	0	0	0	0	10	0	*	*	20†	*	0	0	*	10†
	55-64	25	0	0	*	0	0	0	0	9	0	*	0	20†	*	0	0	6	10†
	65-74	0†	0	0	*	0	0	0	0	0	0	0	0	0†	0	0	0	*	0†
	75-84	0†	0	0	0	0	0	0	0	0	0	*	0	0†	0	0	0	0	0
<b>M</b>	<b>ALL AGES</b>	100†	0†	0	10†	0	0†	0†	0†	30†	0†	10†	0†	60†	10†	10†	10†	20†	40†
	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-4	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0†
	5-14	0†	0	0	0	0	0	0	*	0	0	0	0	0†	0	*	0	*	0†
	15-24	20†	0	0	0	0	0	0	0	*	0	*	0	10†	0	0	*	*	0†
	25-34	26	0	0	*	0	0	0	*	6	0	0	*	10†	*	*	7	*	10†
	35-44	20†	0	0	*	0	0	0	*	11	*	*	0	20†	*	0	0	*	0†
	45-54	16	0	0	0	0	0	0	0	7	0	0	*	10†	*	0	0	*	10†
	55-64	17	0	0	*	0	0	0	0	6	0	*	0	10†	*	0	0	*	10†
	65-74	0†	0	0	*	0	0	0	0	0	0	0	0	0†	0	0	0	*	0†
	75-84	0†	0	0	0	0	0	0	0	0	0	*	0	0†	0	0	0	0	0
<b>F</b>	<b>ALL AGES</b>	50†	0	0†	10†	0†	0†	0	0†	20†	0	0†	0	30†	10†	0†	0	10†	20†
	<1	0†	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	0	0
	1-4	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	0†
	5-14	0†	0	0	0	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
	15-24	0†	0	*	0	*	0	0	0	0	0	0	0	0†	0	0	0	*	0†
	25-34	18	0	0	*	0	*	0	*	*	0	*	0	10†	*	*	0	*	10†
	35-44	10†	0	0	*	0	0	0	0	*	0	0	0	10†	*	0	0	*	0†
	45-54	10†	0	0	*	0	0	0	0	*	0	*	0	10†	0	0	0	*	0†
	55-64	10†	0	0	0	0	0	0	0	*	0	*	0	0†	*	0	0	*	0†
	65-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: \* 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, 2015**

		TOTAL								Resided off reservation					
			Ak-Chin Indian Community	Gila River Indian Community	Hopi Tribe	Hualapai Tribe	Navajo Nation	San Carlos Apache Tribe	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
<b>TOTAL</b>	<b>ALL AGES</b>	60†	0†	0†	0†	0†	20†	0†	0†	30†	10†	0†	0†	10†	20†
	<b>5-14</b>	0†	0	0	0	0	*	0	0	0†	0	0	0	*	0†
	<b>15-24</b>	22	0	*	*	*	8	0	*	10†	*	0	0	*	10†
	<b>25-34</b>	17	0	0	*	*	*	*	*	10†	*	0	*	6	10†
	<b>35-44</b>	10†	*	*	0	0	*	0	0	10†	0	*	0	0	0†
	<b>45-54</b>	10†	0	0	*	0	*	0	0	0†	*	*	0	*	10†
	<b>55-64</b>	0†	0	0	0	0	*	0	0	0†	0	0	0	0	0
<b>M</b>	<b>ALL AGES</b>	40†	0†	0†	0†	0	20†	0†	0†	30†	0†	0†	0†	10†	10†
	<b>5-14</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>15-24</b>	20†	0	*	*	0	8	0	0	10†	*	0	0	*	10†
	<b>25-34</b>	10†	0	0	*	0	*	*	*	10†	*	0	*	*	10†
	<b>35-44</b>	10†	*	*	0	0	*	0	0	10†	0	*	0	0	0†
	<b>45-54</b>	10†	0	0	*	0	*	0	0	0†	*	*	0	*	0†
	<b>55-64</b>	0†	0	0	0	0	*	0	0	0†	0	0	0	0	0
<b>F</b>	<b>ALL AGES</b>	20†	0	0†	0	0†	0†	0	0†	10†	0†	0	0†	10†	10†
	<b>5-14</b>	0†	0	0	0	0	*	0	0	0†	0	0	0	*	0†
	<b>15-24</b>	10†	0	*	0	*	0	0	*	0†	*	0	0	0	0†
	<b>25-34</b>	10†	0	0	0	*	0	0	0	0†	0	0	*	*	0†
	<b>35-44</b>	0†	0	0	0	0	*	0	0	0†	0	0	0	0	0
	<b>45-54</b>	0†	0	0	0	0	0	0	0	0	*	0	0	*	0†
	<b>55-64</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

**5.10  
ASSAULT (HOMICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP,  
ARIZONA, 2015**

		TOTAL	Resided on reservation					Resided off reservation					
			Gila River Indian Community	Navajo Nation	Salt River Pima-Maricopa Indian Community	Tohono O'Odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
<b>TOTAL</b>	<b>ALL AGES</b>	50†	0†	20†	0†	0†	0†	30†	10†	0†	0†	10†	20†
	<b>5-14</b>	0†	0	*	0	0	0	0†	0	0	0	0	0
	<b>15-24</b>	10†	*	*	0	0	*	0†	*	0	0	0	10†
	<b>25-34</b>	19	*	9	0	0	*	10†	*	*	*	*	10†
	<b>35-44</b>	10†	0	*	*	0	0	0†	*	*	0	*	0†
	<b>45-54</b>	0†	*	0	0	*	*	0†	0	0	0	*	0†
	<b>55-64</b>	0†	*	*	0	0	0	0†	0	0	0	0	0
	<b>65-74</b>	0†	0	*	0	0	0	0†	0	0	0	0	0
	<b>75-84</b>	0†	0	0	0	0	0	0	*	0	0	0	0†
<b>M</b>	<b>ALL AGES</b>	40†	0†	20†	0†	0†	0†	20†	10†	0†	0†	0†	20†
	<b>5-14</b>	0†	0	*	0	0	0	0†	0	0	0	0	0
	<b>15-24</b>	10†	*	*	0	0	*	0†	*	0	0	0	10†
	<b>25-34</b>	10†	0	9	0	0	0	9	*	0	*	*	10†
	<b>35-44</b>	10†	0	*	*	0	0	0†	*	*	0	*	0†
	<b>45-54</b>	0†	*	0	0	*	*	0†	0	0	0	0	0
	<b>55-64</b>	0	0	0	0	0	0	0	0	0	0	0	0
	<b>65-74</b>	0	0	0	0	0	0	0	0	0	0	0	0
	<b>75-84</b>	0†	0	0	0	0	0	0	*	0	0	0	0†
<b>F</b>	<b>ALL AGES</b>	10†	0†	0†	0	0	0†	10†	0	0†	0	0†	0†
	<b>5-14</b>	0	0	0	0	0	0	0	0	0	0	0	0
	<b>15-24</b>	0	0	0	0	0	0	0	0	0	0	0	0
	<b>25-34</b>	10†	*	0	0	0	*	0†	0	*	0	*	0†
	<b>35-44</b>	0	0	0	0	0	0	0	0	0	0	0	0
	<b>45-54</b>	0†	0	0	0	0	0	0	0	0	0	*	0†
	<b>55-64</b>	0†	*	*	0	0	0	0†	0	0	0	0	0
	<b>65-74</b>	0†	0	*	0	0	0	0†	0	0	0	0	0
	<b>75-84</b>	0	0	0	0	0	0	0	0	0	0	0	

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

5.11

DIABETES-RELATED DEATHS AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP, ARIZONA, 2015

		TOTAL	Resided on reservation															Resided off reservation						
			Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort Mohave Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Yavapai-Prescott Indian Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
<b>TOTAL</b>	<b>ALL AGES</b>	368	0†	0†	0†	0†	20†	0†	20†	0†	110†	0†	20†	20†	20†	0†	0†	0†	240†	40†	30†	0†	50†	130†
	25-34	10†	0	0	0	*	0	0	0	0	0	0	*	*	0	0	0	0	10†	0	0	0	*	0†
	35-44	26	*	0	0	*	*	0	*	0	*	0	0	*	*	*	0	0	20†	*	*	0	*	10†
	45-54	51	0	0	0	*	*	0	*	*	8	*	*	*	*	*	0	*	30†	9	*	*	9	20†
	55-64	94	0	*	*	0	8	*	*	*	24	0	*	7	8	*	*	0	70†	11	6	*	11	30†
	65-74	86	0	0	0	0	6	0	*	0	27	0	*	*	*	*	0	50†	11	8	*	14	30†	
	75-84	66	0	0	0	0	*	0	*	0	27	0	*	*	*	*	0	50†	6	*	*	8	20†	
	85+	39	0	0	0	*	0	0	*	0	16	0	*	*	*	*	0	30†	*	*	0	6	10†	
<b>M</b>	<b>ALL AGES</b>	190†	0	0	0	0†	10†	0†	10†	0	70†	0†	10†	10†	10†	0†	0	130†	20†	10†	0†	30†	70†	
	25-34	0†	0	0	0	0	*	0	0	0	0	0	*	*	0	0	0	0†	0	0	0	*	0†	
	35-44	17	0	0	0	*	*	0	*	0	*	0	0	0	0	0	0	10†	*	*	0	*	10†	
	45-54	26	0	0	0	*	*	0	*	0	*	*	*	*	*	0	0	20†	*	*	0	*	10†	
	55-64	59	0	0	0	0	*	*	*	0	21	0	*	*	*	*	0	40†	6	*	*	8	20†	
	65-74	46	0	0	0	0	*	0	*	0	18	0	0	*	*	0	*	30†	7	*	0	9	20†	
	75-84	29	0	0	0	0	*	0	0	0	15	0	*	*	*	0	0	20†	*	0	0	*	10†	
	85+	10†	0	0	0	0	0	0	0	0	7	0	0	*	0	*	*	10†	0	0	0	*	0†	
<b>F</b>	<b>ALL AGES</b>	170†	0†	0†	0†	0†	10†	0	10†	0†	40†	0	10†	10†	20†	20†	0†	0†	120†	20†	20†	0†	20†	60†
	25-34	0†	0	0	0	0	0	0	0	0	0	0	*	*	0	0	0	0†	0	0	0	0	0	0
	35-44	10†	*	0	0	0	*	0	*	0	*	0	0	*	*	0	0	10†	*	*	0	0	0†	
	45-54	25	0	0	0	0	*	0	*	*	*	0	0	0	*	*	0	10†	*	*	*	*	10†	
	55-64	35	0	*	*	0	*	0	*	*	*	0	0	*	6	*	*	30†	*	*	0	*	10†	
	65-74	40	0	0	0	0	*	0	0	0	9	0	*	*	*	*	0	30†	*	*	*	*	10†	
	75-84	37	0	0	0	0	*	0	*	0	12	0	*	*	*	*	0	30†	*	*	*	*	10†	
	85+	26	0	0	0	*	0	0	*	0	9	0	*	*	*	*	0	20†	*	*	0	*	10†	

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Diabetes-related: deaths due to diabetes reported as multiple cause of death (any mention of diabetes on the death certificate). The number of deaths due to diabetes as the underlying cause of death (164 in 2015) 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, 2015

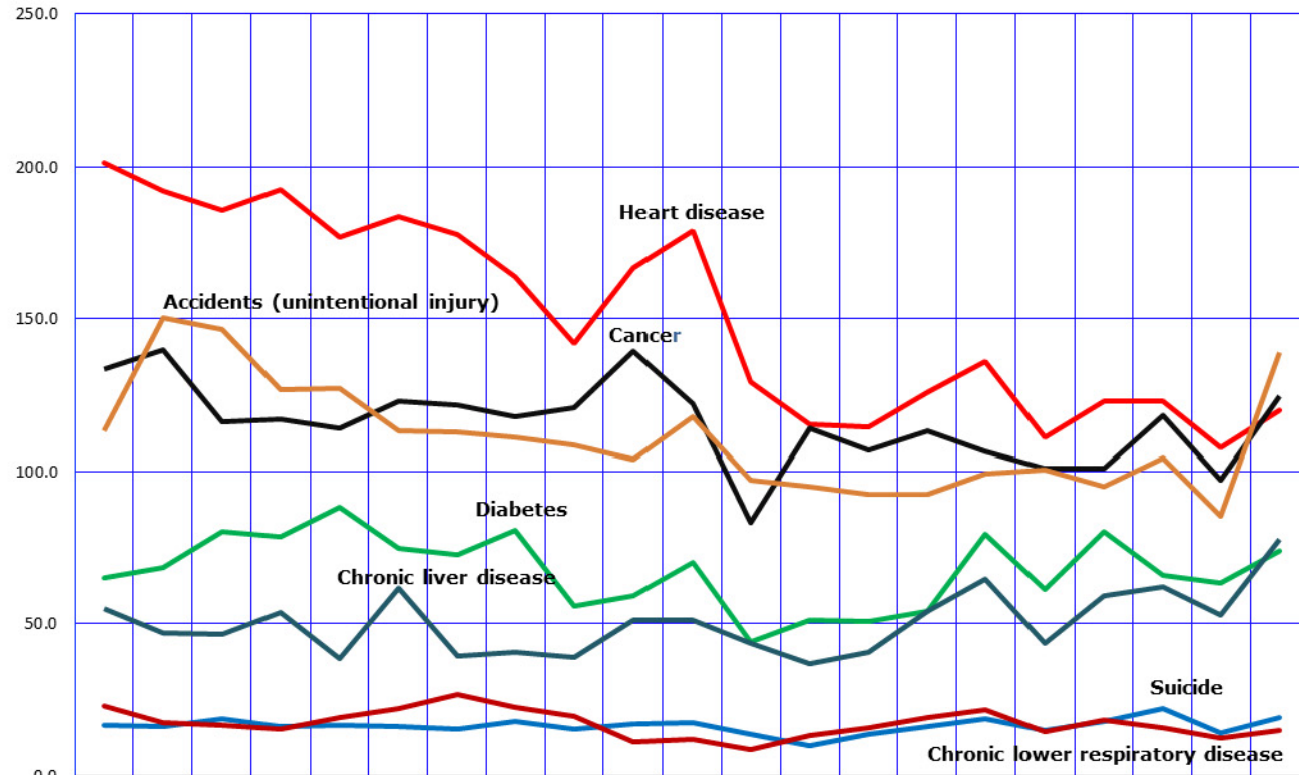
		TOTAL														Resided off reservation					
			Ak-Chin Indian Community	Fort McDowell Yavapai Nation Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
<b>TOTAL</b>	<b>ALL AGES</b>	280†	0†	0†	20†	0†	10†	10†	70†	0†	10†	20†	10†	30†	0†	190†	40†	10†	10†	30†	90†
	5-14	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0†	0	0	0	0	0
	15-24	10†	0	0	0	0	0	0	*	*	0	0	*	*	0	0†	0	*	0	*	0†
	25-34	39	0	*	0	0	0	*	10	*	*	*	*	6	0	20†	*	*	0	9	20†
	35-44	55	*	0	6	*	*	0	16	*	*	*	*	7	*	40†	7	*	0	*	10†
	45-54	97	0	0	11	0	0	0	22	0	*	8	6	14	0	70†	16	7	*	6	30†
	55-64	50	0	0	*	0	*	*	13	0	*	0	*	*	0	30†	13	*	*	9	30†
	65-74	20†	0	*	*	0	*	*	7	0	*	*	0	*	0	20†	*	0	*	*	0†
	75-84	10†	0	0	*	0	*	*	*	0	0	*	0	0	0	10†	0	0	*	0	0†
	85+		0	0	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	0	0	0
<b>M</b>	<b>ALL AGES</b>	180†	0	0†	10†	0	0†	0†	50†	0†	10†	10†	10†	20†	0†	120†	30†	10†	0†	20†	60†
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15-24	0†	0	0	0	0	0	*	0	0	0	0	*	*	0	0†	0	*	0	0	0†
	25-34	28	0	0	0	0	0	*	10	0	*	*	*	*	0	20†	*	0	0	6	10†
	35-44	36	0	0	*	0	*	0	9	*	*	*	*	*	*	30†	*	*	0	*	10†
	45-54	54	0	0	6	0	0	0	14	0	*	*	*	7	0	40†	8	*	*	*	20†
	55-64	37	0	0	*	0	0	*	11	0	*	0	*	*	0	20†	9	*	0	6	20†
	65-74	10†	0	*	*	0	0	0	*	0	0	*	0	*	0	10†	*	0	*	*	0†
	75-84	10†	0	0	0	0	*	*	*	0	0	*	0	0	0	10†	0	0	*	0	0†
	85+	0†	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	0	0	0
<b>F</b>	<b>ALL AGES</b>	100†	0†	0†	10†	0†	0†	0†	20†	0†	0†	10†	10†	20†	0	70†	20†	0†	0†	10†	30†
	5-14	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0†	0	0	0	0	0
	15-24	0†	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	0	*	0†
	25-34	10†	0	*	0	0	0	0	0	*	*	0	0	*	0	10†	*	*	0	*	10†
	35-44	20†	*	0	*	*	0	0	7	0	0	*	0	*	0	20†	*	0	0	*	0†
	45-54	43	0	0	*	0	0	0	8	0	*	*	*	7	0	30†	8	*	*	*	10†
	55-64	10†	0	0	*	0	*	0	*	0	0	0	*	0	0	10†	*	0	*	*	10†
	65-74	9	0	0	*	0	*	*	*	0	0	0	0	*	0	10†	0	0	0	0	0
	75-84	0†	0	0	*	0	0	0	0	0	0	0	0	0	0	0†	0	0	0	0	0
	85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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



## **COMPARATIVE CAUSE-SPECIFIC MORTALITY**

**5.13**  
**Temporal Changes<sup>a</sup> in the Selected Leading Causes of Death among American Indian Residents of Arizona, 1995-2015**



	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Heart disease	201.5	191.9	185.9	192.4	177.0	183.8	177.7	164.0	141.9	166.9	179.1	129.4	115.2	114.6	125.8	135.9	111.1	122.7	122.9	107.5	119.9
Cancer	133.5	139.8	116.0	117.0	114.1	123.0	121.7	117.6	120.7	139.3	122.2	83.1	113.9	106.7	113.3	106.4	100.8	100.8	118.2	97.1	124.4
Accidents (unintentional injury)	113.2	150.5	146.4	126.8	127.0	113.1	112.7	111.0	108.6	103.9	117.8	97.2	95.0	92.6	92.6	99.2	100.6	94.8	104.5	85.4	139.0
Diabetes	65.2	68.3	80.2	78.4	88.3	74.6	72.8	80.8	55.8	59.0	69.9	43.9	51.1	50.8	54.2	79.3	61.3	80.2	65.7	63.2	73.9
Chronic liver disease	54.9	46.7	46.3	53.5	38.5	61.7	39.1	40.5	38.8	51.0	51.2	43.6	36.8	40.7	54.0	64.6	43.6	59.2	62.0	52.7	77.6
Suicide	16.3	15.9	18.7	16.1	16.6	16.2	15.4	17.9	15.2	17.0	17.5	13.7	9.8	13.5	15.9	18.7	14.9	17.9	21.9	13.9	19.0
Chronic lower respiratory disease	22.9	17.3	16.7	15.2	19.2	21.9	26.8	22.3	19.4	10.8	12.0	8.4	13.0	15.8	19.2	21.7	14.4	18.0	15.5	12.4	14.8

Notes: <sup>a</sup> 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<sup>a</sup> by Gender among American Indian  
Residents of Arizona in 2015**

<b>Rank</b>	<b>Female</b>	<b>Both</b>	<b>Male</b>
<b>1</b>	<b>Cancer</b> 112.4	<b>Accidents (unintentional injury)</b> 139.0	<b>Accidents (unintentional injury)</b> 203.9
<b>2</b>	<b>Diseases of heart</b> 89.1	<b>Cancer</b> 124.4	<b>Diseases of heart</b> 158.9
<b>3</b>	<b>Accidents (unintentional injury)</b> 82.7	<b>Diseases of heart</b> 119.9	<b>Cancer</b> 142.1
<b>4</b>	<b>Chronic liver disease and cirrhosis</b> 66.1	<b>Chronic liver disease and cirrhosis</b> 77.6	<b>Chronic liver disease and cirrhosis</b> 91.8
<b>5</b>	<b>Diabetes</b> 65.3	<b>Diabetes</b> 73.9	<b>Diabetes</b> 85.6

Notes: <sup>a</sup> 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 2015" report.

**5.15**  
**Five Leading Causes of Death<sup>a</sup> among American Indians by Gender and Residence**  
**On or Off Reservation, Arizona, 2015**

<b>Rank</b>	<b>Female, resided on reservation</b>	<b>Female, resided off reservation</b>	<b>Male, resided on reservation</b>	<b>Male, resided off reservation</b>
<b>1</b>	Alzheimer's disease 12.7	<b>Cancer</b> 16.0	Accidents (unintentional injury) 20.4	Accidents (unintentional injury) 20.3
<b>2</b>	<b>Cancer</b> 12.2	Accidents (unintentional injury) 11.4	Diseases of heart 13.0	<b>Cancer</b> 11.6
<b>3</b>	Accidents (unintentional injury) 9.8	Diseases of heart 10.6	<b>Cancer</b> 9.9	Diseases of heart 10.7
<b>4</b>	Diabetes 5.8	Chronic liver disease and cirrhosis 7.9	Chronic liver disease and cirrhosis 9.2	Chronic liver disease and cirrhosis 8.7
<b>5</b>	Chronic lower respiratory diseases 2.1	Diabetes 7.3	Diabetes 7.4	Diabetes 6.8

Note: <sup>a</sup> Percent of total deaths in specified group.

**5.16**  
**Proportional Mortality<sup>a</sup> by Type of Cancer and Gender among American Indians and all Residents of Arizona, 2005-2015**

<b>1</b>	<b>Trachea, bronchus, lung</b> 26.3	<b>Liver</b> 12.1	<b>Trachea, bronchus, lung</b> 25.0	<b>Breast</b> 12.2
<b>2</b>	<b>Lymphoma</b> 10.8	<b>Prostate</b> 11.3	<b>Breast</b> 15.3	<b>Lymphoma</b> 11.0
<b>3</b>	<b>Prostate</b> 10.1	<b>Lymphoma</b> 10.0	<b>Lymphoma</b> 9.2	<b>Colon, rectum, anus</b> 8.1
<b>4</b>	<b>Colon, rectum, anus</b> 9.0	<b>Colon, rectum, anus</b> 9.4	<b>Colon, rectum, anus</b> 9.1	<b>Ovary</b> 7.8
<b>5</b>	<b>Pancreas</b> 6.6	<b>Trachea, bronchus, lung</b> 8.1	<b>Pancreas</b> 6.8	<b>Trachea, bronchus, lung</b> 7.7
<b>6</b>	<b>Liver</b> 4.8	<b>Kidney</b> 7.8	<b>Ovary</b> 5.8	<b>Liver</b> 7.6
<b>7</b>	<b>Leukemia</b> 4.5	<b>Stomach</b> 7.7	<b>Leukemia</b> 3.6	<b>Pancreas</b> 6.4
<b>8</b>	<b>Esophagus</b> 4.0	<b>Pancreas</b> 6.6	<b>Non-Hodgkin's lymphoma</b> 3.6	<b>Stomach</b> 4.6
<b>9</b>	<b>Non-Hodgkin's lymphoma</b> 3.9	<b>Esophagus</b> 4.0	<b>Liver</b> 2.9	<b>Non-Hodgkin's lymphoma</b> 4.0
<b>10</b>	<b>Bladder</b> 3.8	<b>Leukemia</b> 3.6	<b>Corpus uteri and uterus</b> 2.7	<b>Cervix uteri</b> 3.7

Notes: <sup>a</sup> Percent of cancer deaths in specified group in 2005-2015.  
<sup>b</sup> All race/ethnic groups combined.  
Source: Table 5-18 for percentages based on frequency counts.

**5.17**  
**Proportional Mortality<sup>a</sup> by Mechanism of Unintentional Injury and Gender among**  
**American Indians and all Residents of Arizona, 2005-2015**

<b>Rank</b>	<b>Arizona male<sup>b</sup></b>	<b>American Indian male</b>	<b>Arizona female<sup>b</sup></b>	<b>American Indian female</b>
<b>1</b>	<b>Motor vehicle accidents</b> 32.8	<b>Motor vehicle-related</b> 46.8	<b>Falls</b> 36.6	<b>Motor vehicle-related</b> 53.6
<b>2</b>	<b>Poisoning by drugs</b> 25.5	<b>Poisoning by gases</b> 12.8	<b>Poisoning by drugs</b> 24.5	<b>Falls</b> 12.7
<b>3</b>	<b>Falls</b> 19.8	<b>Poisoning by drugs</b> 9.9	<b>Motor vehicle-related</b> 22.9	<b>Poisoning by drugs</b> 11.4
<b>4</b>	<b>Accidental discharge of firearms</b> 7.4	<b>Falls</b> 6.8	<b>Accidental discharge of firearms</b> 2.4	<b>Poisoning by gases</b> 6.6
<b>5</b>	<b>Accidental drowning</b> 3.3	<b>Exposure to cold</b> 5.0	<b>Choked on other objects</b> 2.0	<b>Exposure to cold</b> 2.2
<b>6</b>	<b>Poisoning by gases</b> 3.1	<b>Accidental drowning</b> 3.1	<b>Accidental drowning</b> 1.9	<b>Choked on other objects</b> 1.5
<b>7</b>	<b>Exposure to heat</b> 1.8	<b>Accidental discharge of firearms</b> 3.0	<b>Poisoning by gases</b> 1.5	<b>Misadventures to patients</b> 1.5
<b>8</b>	<b>Choked on other objects</b> 1.6	<b>Mechanical suffocation</b> 1.8	<b>Misadventures to patients</b> 1.4	<b>Exposure to heat</b> 1.3
<b>9</b>	<b>Fire, flames, smoke</b> 1.3	<b>Railway accidents</b> 1.4	<b>Choked on food</b> 1.3	<b>Accidental drowning</b> 1.3
<b>10</b>	<b>Mechanical suffocation</b> 1.1	<b>Exposure to heat</b> 1.4	<b>Fire, flames, smoke</b> 1.3	<b>Mechanical suffocation</b> 1.1

Notes: <sup>a</sup> Percent of unintentional injury deaths in specified group in 2005-2015.  
<sup>b</sup> 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<sup>a</sup> OF ARIZONA, 2005-2015**

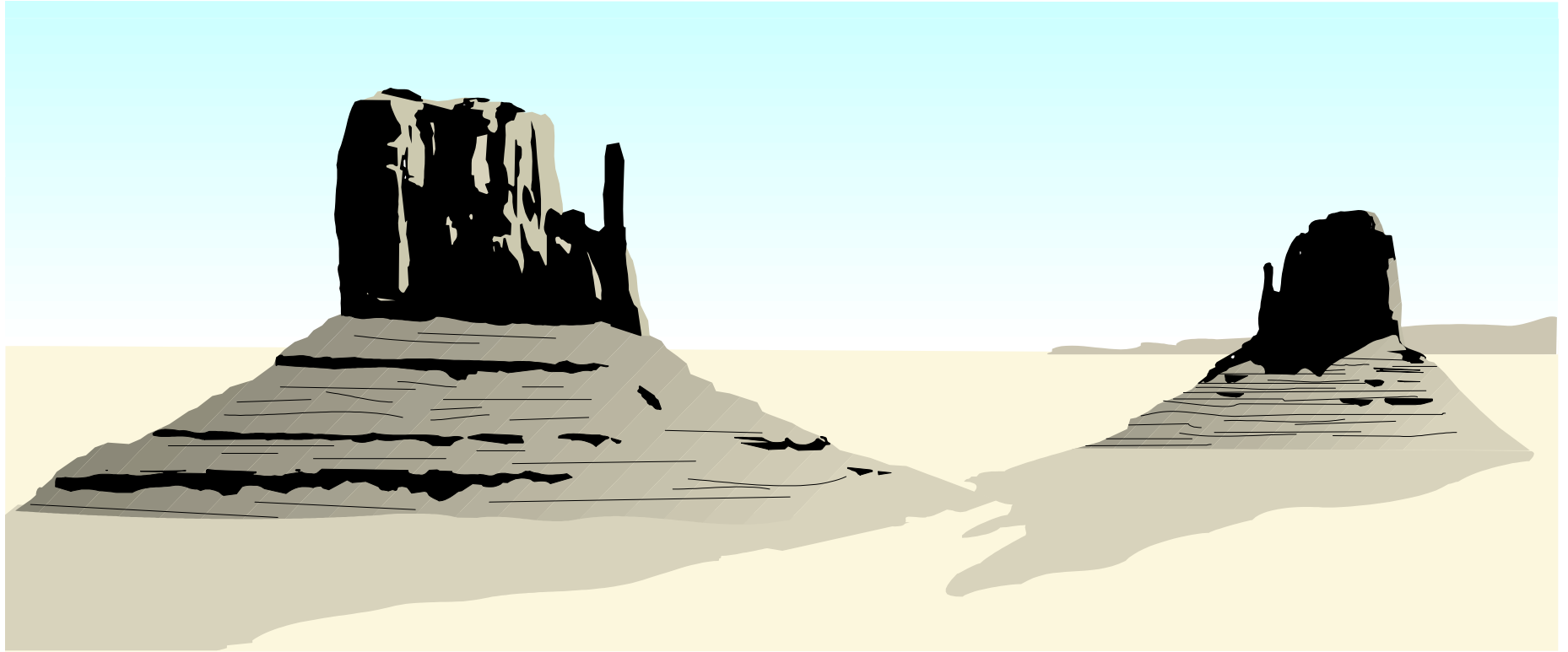
	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Malignant neoplasms, total</b>	114,791	61,759	53,030	2,339	1,161	1,178
<b>Malignant neoplasm of lip, oral cavity and pharynx</b>	1,521	1,073	448	34	24	10
<b>Malignant neoplasm of esophagus</b>	3,061	2,480	581	66	47	19
<b>Malignant neoplasm of stomach</b>	2,168	1,280	888	143	89	54
<b>Malignant neoplasm of colon, rectum and anus</b>	10,381	5,562	4,818	205	109	96
<b>Malignant neoplasm of liver and intrahepatic bile ducts</b>	4,530	2,990	1,540	231	141	90
<b>Malignant neoplasm of pancreas</b>	7,650	4,046	3,604	152	77	75
<b>Malignant neoplasm of larynx</b>	623	485	138	10†	6	*
<b>Malignant neoplasm of trachea, bronchus and lung</b>	29,507	16,251	13,256	185	94	91
<b>Malignant melanoma of skin</b>	2,175	1,488	687	10†	*	*
<b>Malignant neoplasm of breast</b>	8,198	77	8,121	150†	*	144
<b>Malignant neoplasm of cervix uteri</b>	764	0	764	43	0	43
<b>Malignant neoplasm of corpus uteri and uterus, part unspecified</b>	1,450†	*	1,448	43	0	43
<b>Malignant neoplasm of ovary</b>	3,100†	*	3,095	92	0	92
<b>Malignant neoplasm of prostate</b>	6,238	6,229	9	131	131	0
<b>Malignant neoplasm of kidney and renal pelvis</b>	2,847	1,886	961	134	91	43
<b>Malignant neoplasm of bladder</b>	3,146	2,349	796	18	12	6
<b>Malignant neoplasm of meninges, brain and other parts of central nervous system</b>	3,184	1,781	1,403	44	28	16
<b>Malignant neoplasm of lymphoid, hematopoietic and related tissue</b>	11,583	6,679	4,904	245	116	129
<b>Hodgkin's disease</b>	227	137	90	10†	*	*
<b>Non-Hodgkin's lymphoma</b>	4,265	2,382	1,883	82	35	47
<b>Leukemia</b>	4,721	2,810	1,911	81	42	39
<b>Multiple myeloma and immunoproliferative neoplasms</b>	2,360	1,344	1,016	77	36	41
<b>Other and unspecified malignant neoplasms of lymphoid tissue</b>	10†	6	*	0	0	0
<b>All other and unspecified malignant neoplasms</b>	12,670	7,101	5,569	411	189	222

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> All racial/ethnic groups combined.

**5.19**  
**UNINTENTIONAL INJURY DEATHS BY MECHANISM AND GENDER AMONG AMERICAN INDIANS AND**  
**ALL RESIDENTS<sup>a</sup> OF ARIZONA, 2005-2015**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<b>Unintentional injury, total</b>	33,236	20,715	12,517	3,112	2,216	896
<b>Railway accidents</b>	102	89	13	38	32	6
<b>Motor vehicle accidents</b>	9,649	6,788	2,861	1,517	1,037	480
<b>Water transport accident</b>	26	19	7	0†	*	0
<b>Accident involving aircraft</b>	178	146	32	0†	*	0
<b>Poisoning by drugs/ medicaments</b>	8,363	5,292	3,071	322	220	102
<b>Poisoning by gases and vapors</b>	833	650	183	343	284	59
<b>Falls</b>	8,678	4,092	4,585	265	151	114
<b>Fire, flames, smoke</b>	436	277	159	39	30	9
<b>Excessive natural heat</b>	528	379	149	43	31	12
<b>Excessive natural cold</b>	230	182	48	131	111	20
<b>Contact with venomous snakes and lizards</b>	10†	6	*	0†	*	0
<b>Contact with venomous spiders</b>	0†	*	*	0	0	0
<b>Contact with scorpions</b>	0	0	0	0	0	0
<b>Contact with hornets, wasps, bees</b>	10†	6	*	0	0	0
<b>Bitten or struck by dog</b>	17	9	8	0†	*	*
<b>Lightning</b>	20†	13	*	0†	*	0
<b>Storms and floods</b>	0†	*	0	0†	*	0
<b>Accidental drowning and submersion</b>	920	684	235	81	69	12
<b>Choked on food</b>	364	199	165	20†	17	*
<b>Choked on other objects</b>	584	331	253	41	28	13
<b>Mechanical suffocation</b>	326	226	100	49	39	10
<b>Accidental discharge of firearms</b>	1,845	1,542	303	75	66	9
<b>Exposure to electric current</b>	58	58	0	0†	*	0
<b>Overexertion</b>	10†	*	*	0	0	0
<b>Adverse effects of drugs in therapeutic use</b>	115	42	73	10†	6	*
<b>Misadventures to patients during medical/surgical care</b>	352	175	177	20	7	13

Notes: \* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; <sup>a</sup> 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 20<sup>th</sup> 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*.

**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.

**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. **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.

**Seizure or serious neurologic dysfunction** – A seizure of any etiology; neurologic impairment such as obtundation, stupor, or coma.

## 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	2015 population of American Indians	2015 deaths among American Indians	Age-specific rates for American Indians in 2015	2000 standard	Age-adjusted rate for American Indians In 2015
A	B	C	D (C/B)*100000	E	F D*E
<1	4,706	39	828.7	.013818	11.5
1-4	19,564	16	81.8	.055317	4.5
5-14	48,006	18	37.5	.145565	5.5
15-24	50,875	84	165.1	.138646	22.9
25-34	44,630	199	445.9	.135573	60.5
35-44	34,571	191	552.5	.162613	89.8
45-54	33,944	327	963.4	.134834	129.9
55-64	26,417	342	1294.6	.087247	113.0
65-74	14,890	335	2249.8	.066037	148.6
75-84	7,007	315	4495.5	.044842	201.6
85+	2,391	274	11459.6	.015508	177.7
	287,001	2,140		<b>TOTAL</b>	<b>Σ 965.3</b>

**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.

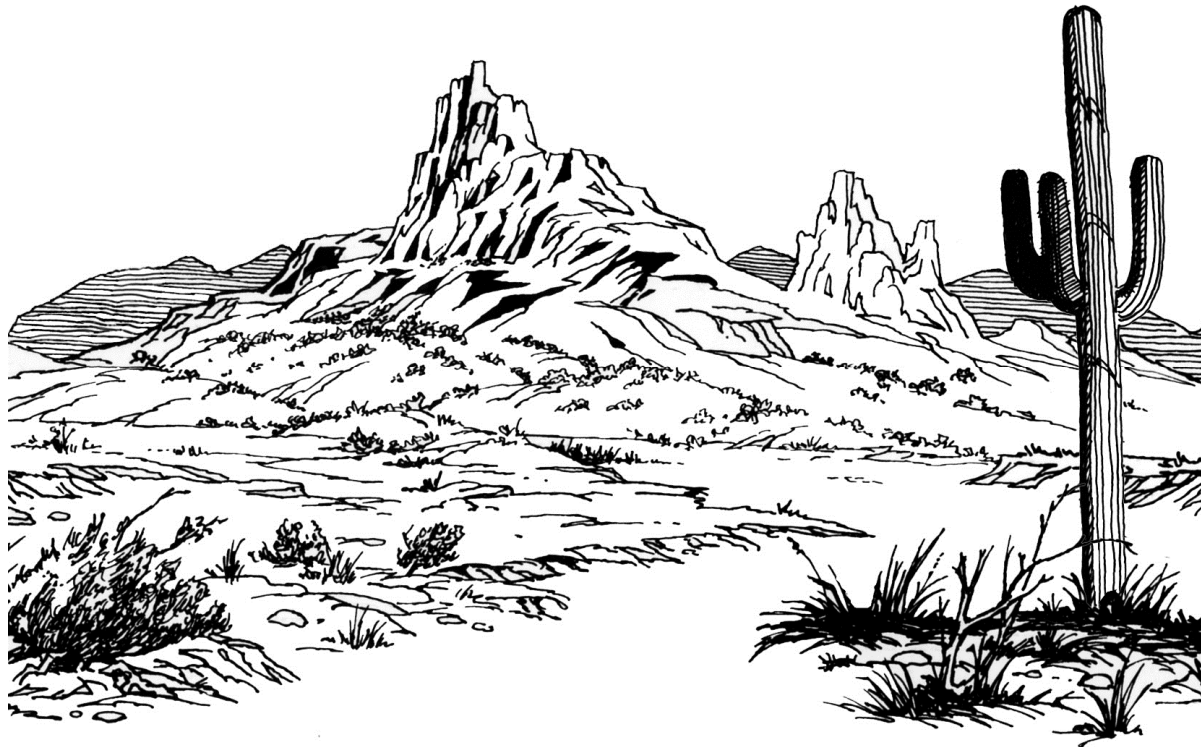
**Cause-specific mortality** - Number of deaths from a specified cause during a calendar year.

**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.

**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 2015 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**