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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA: 2011 DATA BOOK

by

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INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 2011 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 2011.

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 2011 *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 2011 on 70 indicators or measures of health status,
- 2) a comparison of American Indians' standing in Arizona with respect to selected health objectives for the year 2010,
- 3) a section presenting trend data for 2001-2011 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 2011. 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.

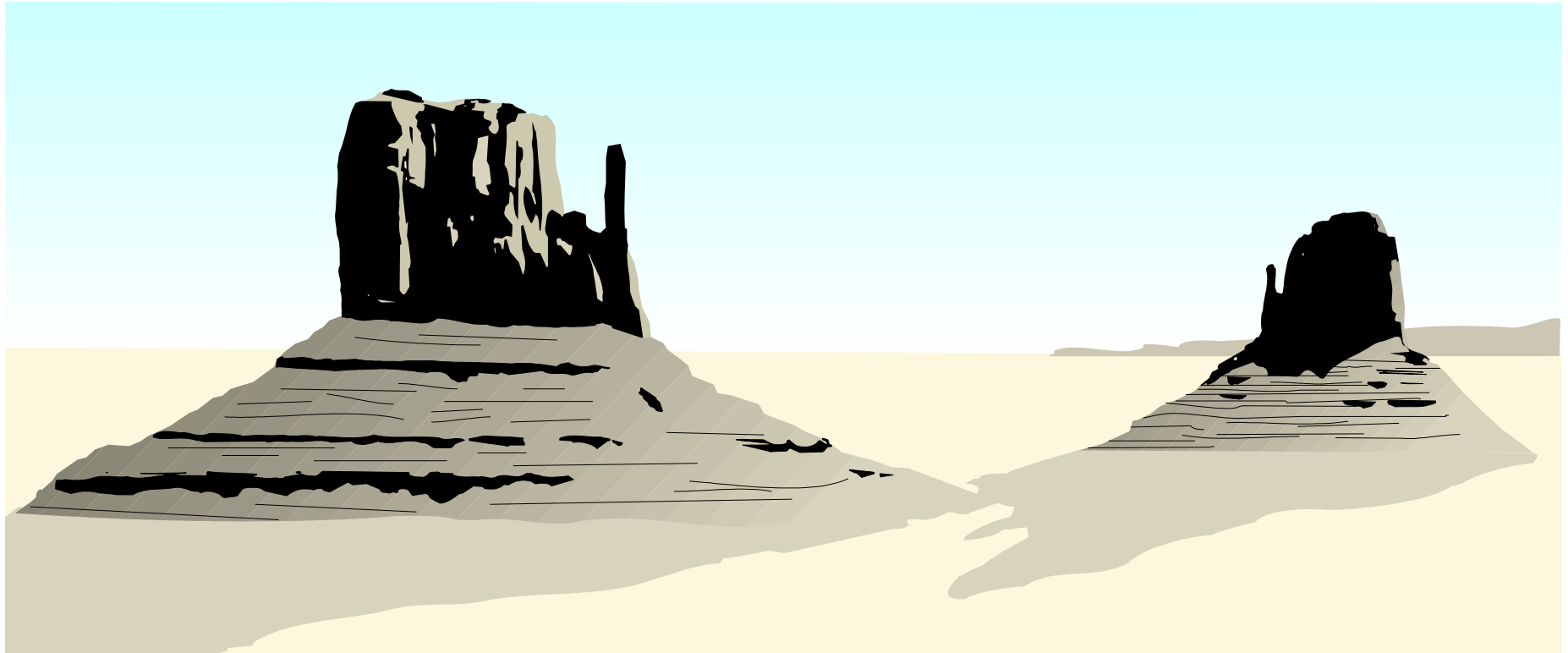
These sections are followed by the **Technical Notes**, which provide information about the sources of data and definitions of terms used in the report. The causes of death for 2001-2011 are classified by the Tenth Revision (ICD-10).

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. In 2011, 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 2011 should not be directly compared to on-or-off reservation counts from previous years, specifically counts in Sections IV and V (excluding Section V Comparative Cause-Specific Mortality).**

The *Health Status Profile of American Indians in Arizona: 2011 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 1995–2010 are available at <http://www.azdhs.gov/plan/report/hspam/index.htm>



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 2011

The risk profile presented on the following page summarizes how American Indians as a group compared in 2011 to the state average on 70 measures of health status. The 70 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 70 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.

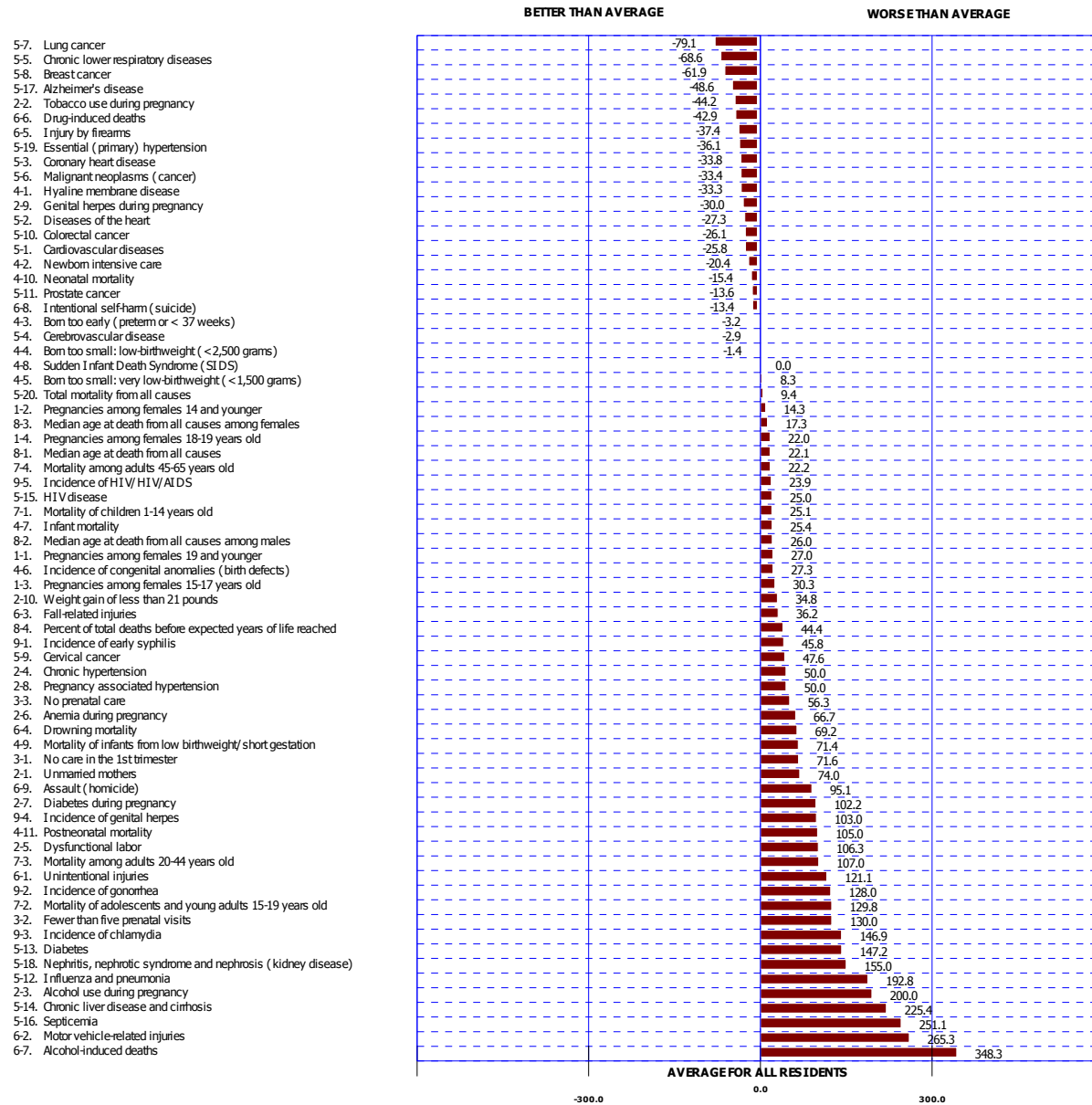
IN 2011, AMERICAN INDIAN RESIDENTS OF ARIZONA:

- ranked worse than the statewide average on 47 of 70 health indicators;
- ranked poorly on measures of maternal lifestyle and health, as well as in utilization of prenatal care;
- on average were 19 years younger at time of death compared to all racial/ethnic groups;
- had high mortality from alcohol-induced causes, motor vehicle accidents, septicemia, influenza and pneumonia, and mortality from other unintentional injuries: all contributing to the premature death rate of 77.7 percent;
- ranked better than average on a number of health indicators including (1) mortality rates for several chronic diseases (lung cancer, chronic lower respiratory diseases, breast cancer, Alzheimer’s disease, heart disease, all malignant neoplasms, and colorectal cancer), (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 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.

2011 RISK PROFILE OF AMERICAN INDIANS

(Percent above or below the average rate or ratio of all Arizona residents in 2011)



**AMERICAN INDIANS' STANDING IN ARIZONA IN 2011
ON 70 INDICATORS OF HEALTH STATUS**

1. TEEN PREGNANCIES

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

Figure Number	Indicator	2011 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2011	Definitions
1-1	Pregnancies among females 19 and younger	29.2	27.0	23.0	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	0.8	14.3	0.7	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	28.8	30.3	22.1	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	94.2	22.0	77.2	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	2011 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2011	Definitions
2-1	Unmarried mothers	77.1	72.1	44.3	The number of births to unmarried mothers per 100 births.
2-2	Tobacco use during pregnancy	2.4	-44.2	4.3	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births.
2-3	Alcohol use during pregnancy	1.5	200.0	0.5	The number of mothers giving birth who self-reported alcohol use during pregnancy per 100 births.
2-4	Chronic hypertension	1.2	50.0	0.8	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).
2-5	Dysfunctional labor	3.3	106.3	1.6	Failure to progress in a normal pattern of labor (the number of cases per 100 births).
2-6	Anemia during pregnancy	6.0	66.7	3.6	Hemoglobin level of less than 10.0 g/dL during pregnancy, or hematocrit of less than 30 percent during pregnancy (the number of cases per 100 births).
2-7	Diabetes during pregnancy	9.3	102.2	4.6	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy (the number of cases per 100 births).
2-8	Pregnancy-associated hypertension	6.3	50.0	4.2	An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation (the number of cases per 100 births).
2-9	Genital herpes during pregnancy	0.7	-30.0	1.0	Infection of the skin of the genital area by herpes simplex virus (the number of cases per 100 births).
2-10	Weight gain of less than 21 pounds	35.6	34.8	26.4	The number of women giving birth who gained less than 21 pounds per 100 births.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2011
ON 70 INDICATORS OF HEALTH STATUS (continued)**

3. UTILIZATION OF PRENATAL CARE SERVICES

(Per 100 live births)

Figure Number	Indicator	2011 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2011	Definitions
3-1	No care in the 1 st trimester	31.4	71.6	18.3	The number of mothers giving birth who received no prenatal care in the 1 st trimester of pregnancy per 100 births.
3-2	Fewer than five prenatal visits	11.5	130.0	5.0	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	2.5	56.3	1.6	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	2011 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2011	Definitions
4-1	Incidence of hyaline membrane disease	0.2	-33.3	0.3	The number of cases of hyaline membrane disease per 100 births. Hyaline membrane disease is a disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.
4-2	Incidence of newborn intensive care	4.3	-20.4	5.4	The number of babies admitted to Newborn Intensive Care units per 100 births.
4-3	Born too early (preterm or < 37 weeks)	9.0	-3.2	9.3	The number of births before 37 weeks of gestation per 100 births. Preterm is any neonate whose birth occurs through the end of the last day of the 37 th week (259 th day), following onset of the last menstrual period.
4-4	Born too small: low-birthweight (<2,500 grams)	6.9	-1.4	7.0	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).
4-5	Born too small: very low-birthweight (<1,500 grams)	1.3	8.3	1.2	The number of newborns weighing less than 1,500 grams per 100 births. Very low-birthweight is any neonate whose weight at birth is 1,500 grams or less (less than 3 pounds 5 ounces).
4-6	Incidence of congenital anomalies (birth defects)	1.4	27.3	1.1	The numbers of babies born with birth defects per 100 births.
4-7	Infant mortality	7.4	25.4	5.9	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).
4-8	Sudden Infant Death Syndrome (SIDS)	0.3	0.0	0.3	The number of infant deaths from Sudden Infant Death Syndrome (ICD-10 code R95) per 1,000 live births.
4-9	Mortality of infants from low birthweight/short gestation	1.2	71.4	0.7	The number of infant deaths from low-birthweight/short gestation (ICD-10 code P07) per 1,000 live births.
4-10	Neonatal mortality	3.3	-15.4	3.9	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).
4-11	Postneonatal mortality	4.1	105.0	2.0	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 2011
ON 70 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	2011 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2011	Definitions
5-1	Cardiovascular disease	149.2	-25.8	201.0	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	111.1	-27.2	152.7	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	79.6	-33.8	120.3	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	29.7	-2.9	30.6	The number of deaths from cerebrovascular disease (ICD-10 codes I60-I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	14.4	-68.6	45.9	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)	100.8	-33.4	151.3	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	7.9	-79.1	37.8	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	7.5	-61.9	19.7	The number of deaths from breast cancer (ICD-10 code C50) per 100,000 age-adjusted female population.
5-9	Cervical cancer	3.1	47.6	2.1	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	9.9	-26.1	13.4	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	17.1	-13.6	19.8	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	28.4	192.8	9.7	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	61.3	147.2	24.8	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	43.6	225.4	13.4	The number of deaths from chronic liver disease and cirrhosis (ICD-10 codes K70, K73-K74) per 100,000 age-adjusted population.
5-15	HIV disease	2.0	25.0	1.6	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	16.5	251.1	4.7	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	18.1	-48.6	35.2	The number of deaths from Alzheimer's disease (ICD-10 code G30) per 100,000 age-adjusted population.
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	15.3	155.0	6.0	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	6.9	-36.1	10.8	The number of deaths from essential (primary) hypertension (ICD-10 codes I10, I12) per 100,000 age-adjusted population.
5-20	Total mortality from all causes	765.5	9.4	699.6	Total number of deaths from all causes per 100,000 age-adjusted population.

**AMERICAN INDIANS' STANDING IN ARIZONA IN 2011
ON 70 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	2011 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2011	Definitions
6-1	Unintentional injuries	100.6	121.1	45.5	The number of deaths from unintentional injuries in accidents (ICD-10 codes V01–X59, Y85–Y86) per 100,000 age-adjusted population.
6-2	Motor vehicle-related injuries	44.2	265.3	12.1	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	15.8	36.2	11.6	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	2.2	69.2	1.3	The number of deaths due to accidental drowning and submersion (ICD-10 codes W65–W74) per 100,000 age-adjusted population.
6-5	Injury by firearms	9.2	-37.4	14.7	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	9.6	-42.9	16.8	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	64.1	348.3	14.3	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)	14.9	-13.4	17.2	The number of deaths due to intentional self-harm (ICD-10 codes X60–X84, Y87.0) per 100,000 age-adjusted population.
6-9	Assault (homicide)	11.9	95.1	6.1	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 2011
ON 70 INDICATORS OF HEALTH STATUS (continued)**

7. PREMATURE MORTALITY

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

Figure Number	Indicator	2011 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2011	Definitions
7-1	Mortality of children 1-14 years old	21.9	25.1	17.5	The number of deaths per 100,000 children 1-14 years old.
7-2	Mortality of adolescents 15-19 years old	114.2	129.8	49.7	The number of deaths per 100,000 adolescents 15-19 years old.
7-3	Mortality of young adults 20-44 years old	276.5	107.0	133.6	The number of deaths per 100,000 young adults 20-44 years old.
7-4	Mortality of middle-aged adults 45-64 years old	726.8	22.2	595.0	The number of deaths per 100,000 middle-aged adults 45-64 years old.

8. AGE-SPECIFIC MORTALITY

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

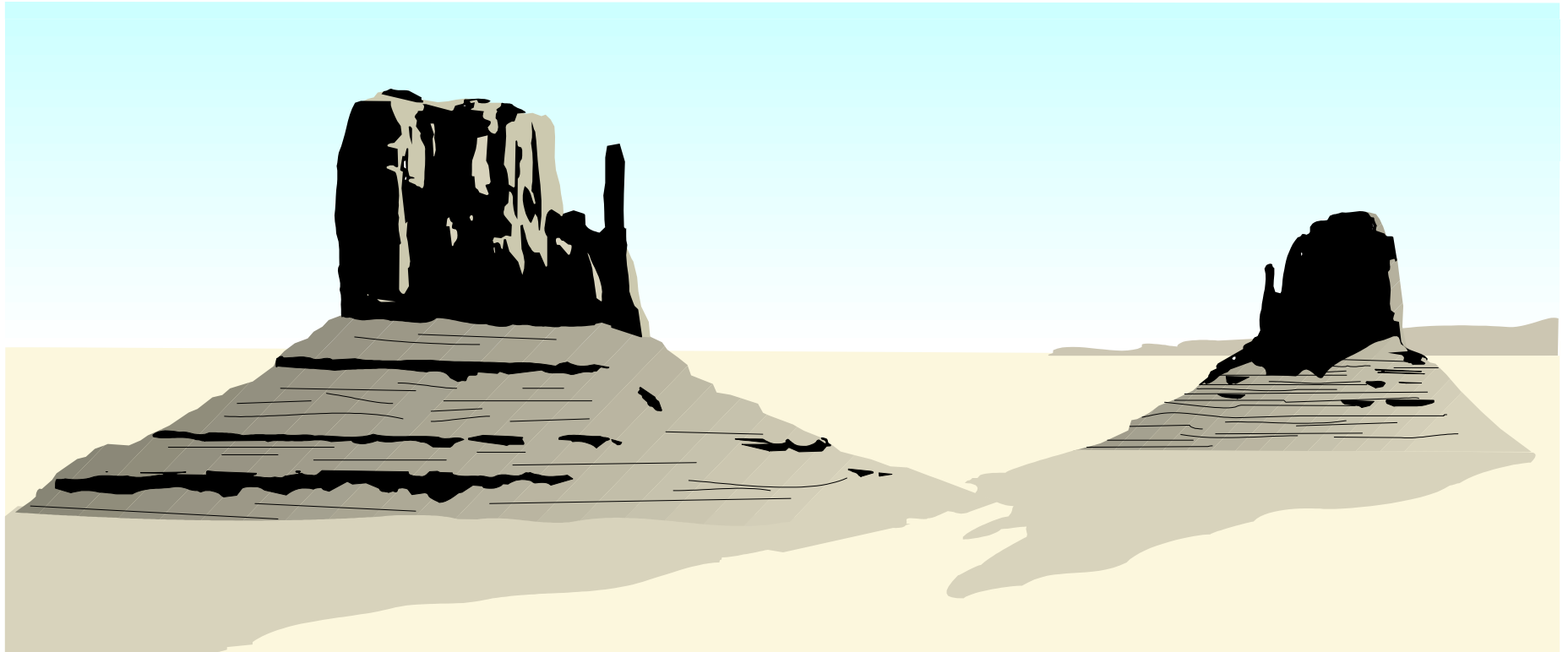
Figure Number	Indicator	2011 rate for American Indians	Percent above or below the average for all groups*	Average rate for all groups in 2011	Definitions
8-1	Median age at death from all causes	60.0	22.1	77.0	The median age (the age in the middle) of Arizonans who died in 2011.
8-2	Median age at death from all causes among males	54.0	26.0	73.0	The median age (the age in the middle) of Arizona males who died in 2011.
8-3	Median age at death from all causes among females	67.0	17.3	81.0	The median age (the age in the middle) of Arizona females who died in 2011.
8-4	Percent of total deaths before expected years of life reached	77.7	44.4	53.8	The number of deaths before reaching 78.7 years (the life expectancy of all U.S. residents in 2011) per 100 deaths.

Notes: 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	2011 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2011	Definitions
9-1	Incidence of early syphilis	10.5	45.8	7.2	Number of reported cases of early syphilis per 100,000 population.
9-2	Incidence of gonorrhea	162.8	128.0	71.4	Number of reported cases of gonorrhea per 100,000 population.
9-3	Incidence of chlamydia	1129.6	146.9	457.6	Number of reported cases of chlamydia per 100,000 population.
9-4	Incidence of genital herpes	68.4	103.0	33.7	Number of reported cases of genital herpes per 100,000 population.
9-5	Incidence of HIV/AIDS	11.4	23.9	9.2	Number of reported cases of HIV/AIDS per 100,000 population.



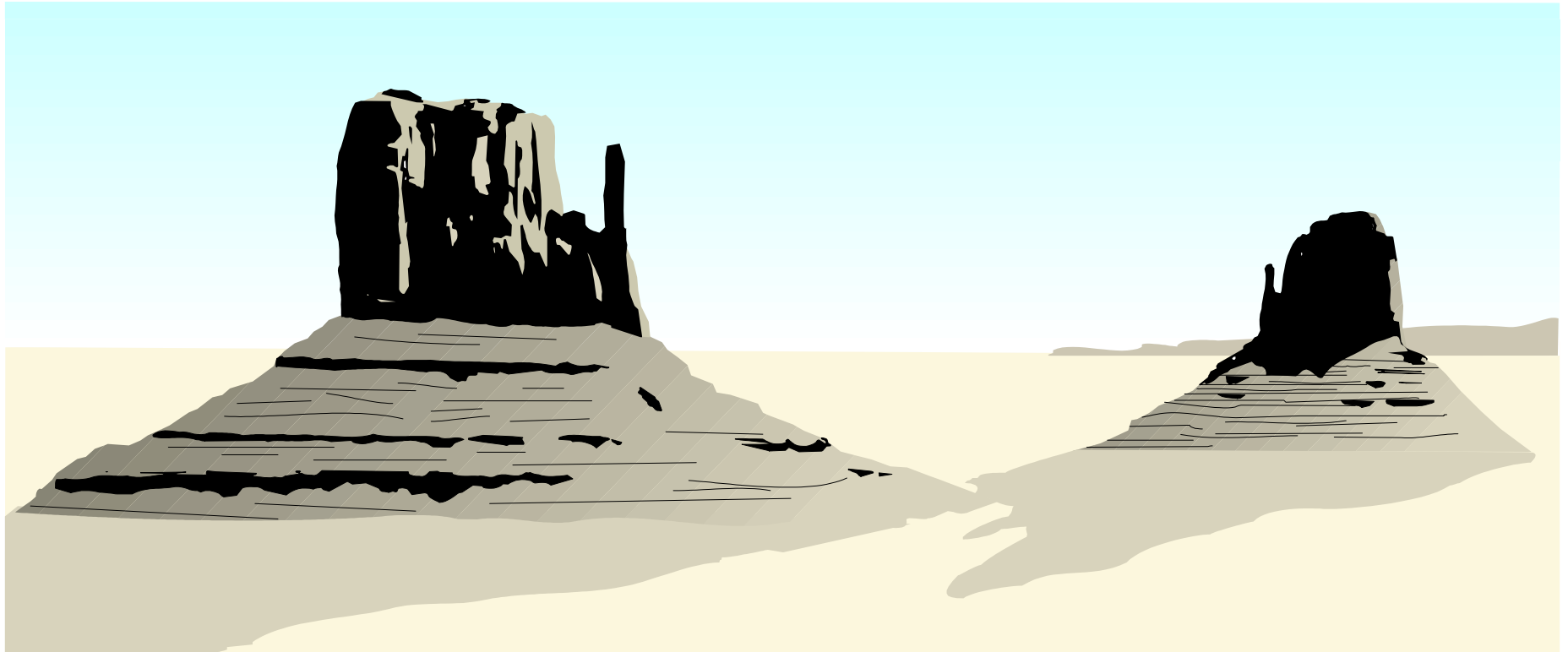
II.

COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO SELECTED HEALTH OBJECTIVES FOR THE YEAR 2011

**COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO
SELECTED HEALTH OBJECTIVES FOR THE YEAR 2011**

National Year 2010 Objectives / Healthy People 2020 Objectives														
2.1	Increase the proportion of women giving birth who receive prenatal care in the first trimester of pregnancy; 2010 objective (HP16-10a); 2020 objective (HP-MICH-10.1)													
2.2	Reduce the rate of infant deaths; 2010 objective (HP16-1c); 2020 objective (HP-MICH-1.3)													
2.3	Reduce postneonatal mortality; 2010 objective (HP16-1e); 2020 objective (HP-MICH-1.5)													
2.4	Reduce deaths caused by unintentional injuries; 2010 objective (HP15-13); 2020 objective(HP-IVP-11)													
2.5	Reduce deaths caused by motor vehicle crashes; 2010 objective (HP15-15); 2020 objective (HP-IVP-13.1)													
2.6	Reduce the suicide rate; 2010 objective (HP18-1); 2020 objective (HP-MHMD-1)													
2.7	Reduce the homicide rate; 2010 objective (HP15-32); 2020 objective (HP-IVP-29)													
2.8	Reduce the diabetes-related death rate; 2010 objective (HP5-5); 2020 objective (HP-D-3)													
2.9	Reduce the cirrhosis* death rate; 2010 objective (HP26-2); 2020 objective (HP-SA-11)													
2.10	Reduce the cervical cancer death rate; 2010 objective (HP3-4); 2020 objective (HP-C-4)													
Indicator		2010 Objective	2020 Objective	Year										
				2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
2.1	Percent of American Indian women giving birth who received early prenatal care	90.0	77.9	64.6	64.4	68.8	69.0	67.9	65.9	65.9	65.1	66.0	69.4	68.6
2.2	Number of infant deaths per 1,000 American Indian live births (6 per 1,000)	6.0	6.0	10.7	7.0	7.5	7.2	8.3	6.4	8.1	8.2	8.4	8.1	7.4
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	6.6	3.4	4.4	3.8	4.0	2.4	3.9	3.6	4.2	4.3	4.1
2.4	Number of unintentional injury deaths per 100,000 American Indian population ^a (17.5 per 100,000); (36.0 per 100,000)	17.5	36.0	112.7	111.0	108.6	103.9	117.8	97.2	95.0	92.6	92.6	99.2	100.6
2.5	Number of deaths caused by motor vehicle crashes per 100,000 American Indian population ^a (16 per 100,000); (12.4 per 100,000)	16.0	12.4	63.2	65.9	59.0	54.1	62.6	56.9	49.0	41.9	36.9	41.7	44.2
2.6	Number of suicides per 100,000 American Indian population ^a (10 per 100,000); (10.2 per 100,000)	10.0	10.2	15.4	17.9	15.2	17.0	17.5	13.7	9.8	13.5	15.9	18.7	14.9
2.7	Number of homicides per 100,000 American Indian population ^a (5 per 100,000); (5.5 per 100,000)	5.0	5.5	17.2	20.3	18.8	14.7	14.0	13.2	13.1	12.8	13.2	18.0	11.9
2.8	Number of deaths due to diabetes reported as the underlying or multiple cause of death per 100,000 American Indian population ^a (45 per 100,000); (65.8 per 100,000)	45.0	65.8	134.4	155.7	118.7	125.4	138.9	100.2	107.2	108.1	111.4	130.4	105.3
2.9	Number of deaths due to chronic liver disease and cirrhosis reported as the underlying cause of death per 100,000 American Indian population ^a (3 per 100,000); (8.2 per 100,000)	3.0	8.2	39.1	40.5	38.8	51.0	51.2	43.6	36.8	40.7	54.0	64.6	43.6
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 ^a (2 per 100,000); (2.2 per 100,000)	2.0	2.2	5.4	4.7	4.2	2.0	3.4	5.8	2.3	4.8	4.1	3.0	3.1

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



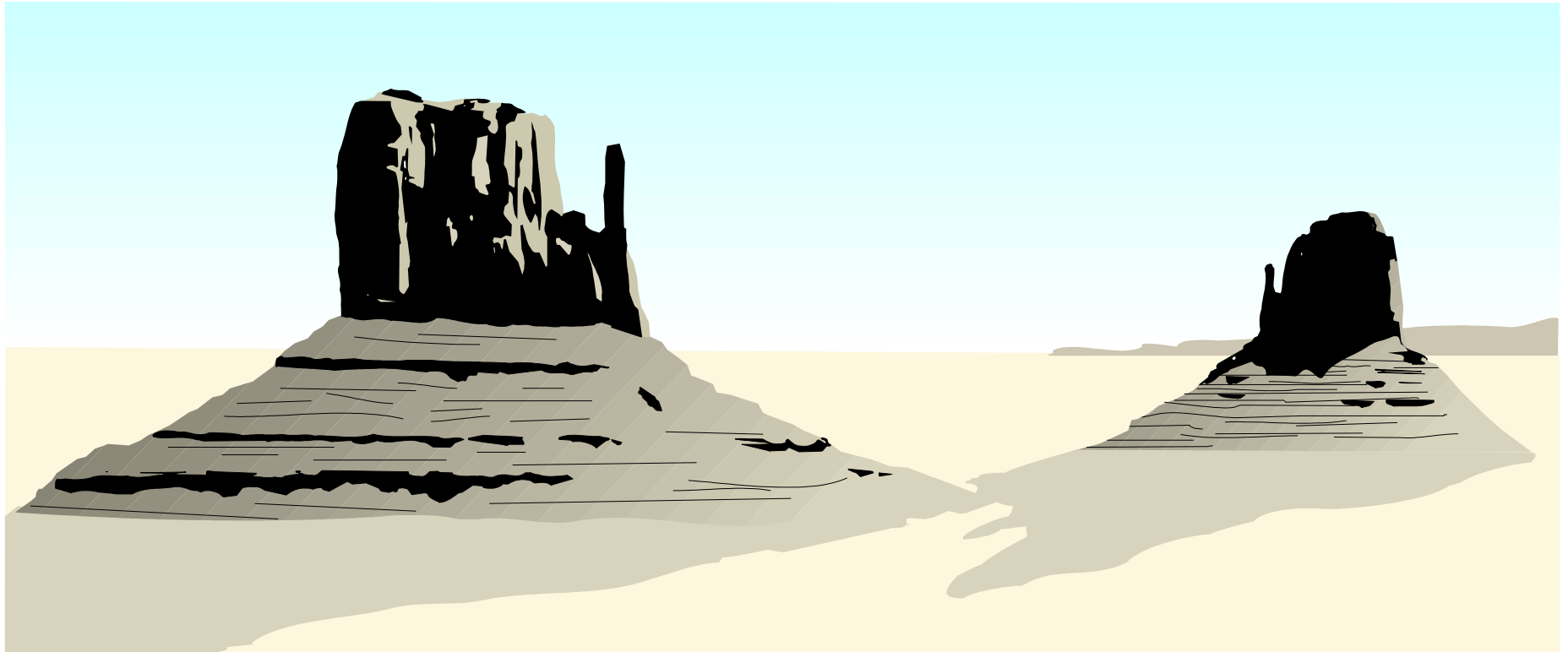
III.

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

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

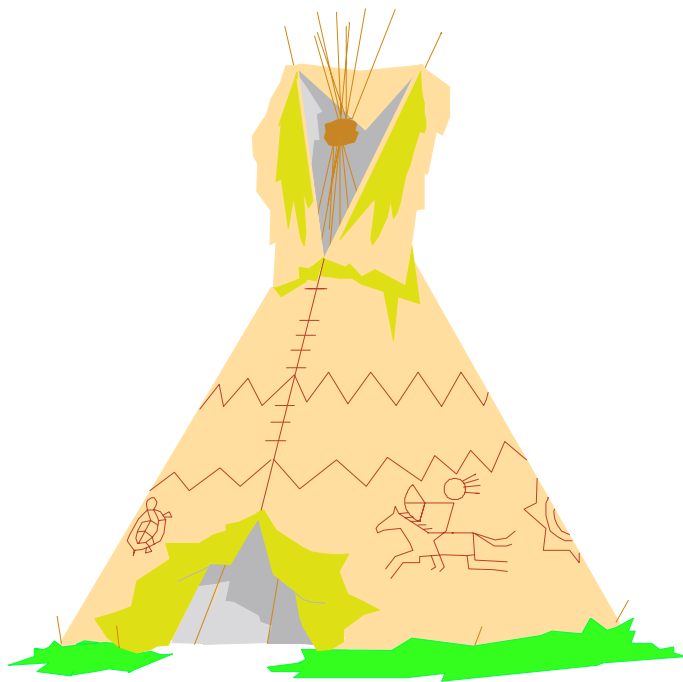
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Median Age at Death from all Causes											
All Arizonans	76	76	76	76	77	76	76	77	76	77	77
American Indians	56	57	56	58	59	57	59	59	59	58	60
Births to Unmarried Mothers^a											
All Arizonans	39.4	40.2	41.2	41.9	42.8	43.9	45.0	45.1	45.2	44.7	44.3
American Indians	70.1	69.7	72.4	73.1	72.9	74.8	75.9	75.8	76.9	77.7	77.1
Incidence of Gonorrhea^b											
All Arizonans	73.9	68.9	63.5	70.1	81.9	95.3	78.7	52.8	49.3	50.8	71.4
American Indians	115.5	107.7	103.1	142.7	142.6	125.7	94.4	73.3	50.0	85.1	162.8
Low-Birthweight Births^a											
All Arizonans	7.0	6.8	7.1	7.2	6.9	7.1	7.1	7.1	7.1	7.1	7.0
American Indians	7.3	6.5	6.8	7.2	7.3	7.4	6.6	6.7	6.4	7.0	6.9
Fetal Alcohol Syndrome^c											
All Arizonans	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
American Indians	0.2	0.4	0.0	0.5	0.2	0.6	0.2	0.0	0.5	0.3	0.0
Births to Teenage Mothers^a											
All Arizonans	13.8	13.1	12.9	12.7	12.5	12.7	12.6	12.3	11.8	10.8	9.9
American Indians	19.0	18.7	19.4	18.7	19.1	19.1	20.1	18.6	19.0	17.0	16.9
Birth Defects (Congenital Anomalies)^a											
All Arizonans	1.3	1.3	1.0	1.0	1.0	0.9	0.8	0.9	0.6	0.6	1.1
American Indians	1.9	2.2	1.3	1.6	1.5	1.2	1.4	0.9	0.8	0.6	1.4
Pregnancy-associated Hypertension^c											
All Arizonans	26.3	25.2	28.0	28.8	30.9	28.8	31.0	35.3	36.1	39.1	41.9
American Indians	57.1	46.0	57.1	54.4	58.2	58.8	57.9	58.9	55.4	61.2	62.8
Anemia during Pregnancy^c											
All Arizonans	16.0	18.1	20.2	21.7	20.4	19.5	29.8	39.5	35.7	38.2	36.1
American Indians	59.7	51.0	54.8	54.6	56.1	66.2	67.6	72.5	71.8	59.5	59.9
Diabetes during Pregnancy^c											
All Arizonans	22.2	23.4	21.4	24.5	29.7	31.6	34.3	38.9	38.7	41.8	46.4
American Indians	61.8	65.5	60.0	75.7	82.5	72.0	80.4	82.0	82.2	77.9	93.3

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



IV.

CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND MOTHERS GIVING BIRTH BY PLACE OF RESIDENCE IN ARIZONA IN 2011



SOCIODEMOGRAPHIC CHARACTERISTICS

**4.1
MATERNAL AGE (2011 STATUS)**

		TOTAL BIRTHS	Mother's age group								
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830†	10†	290†	680†	1,920†	1,460†	900†	460†	90†	0†
Resided on reservation	Ak-Chin Indian Community	10†	0	*	*	*	*	0	0	0	0
	Cocopah Tribe	10†	0	0	0	8	*	*	*	0	0
	Colorado River Indian Tribe	30†	0	*	*	11	12	*	*	0	0
	Fort McDowell Yavapai Nation Reservation	20†	0	*	*	*	*	*	0	0	0
	Fort Mojave Indian Tribe	10†	0	0	0	*	*	*	*	0	0
	Gila River Indian Community	70†	*	7	11	26	14	8	*	*	0
	Havasupai Tribe	10†	0	0	*	*	*	0	*	0	0
	Hopi Tribe	200†	0	13	39	69	39	25	15	*	0
	Hualapai Tribe	40†	0	0	*	16	10	8	0	0	0
	Navajo Nation	1,460†	*	65	159	442	355	251	155	32	*
	Pascua Yaqui Tribe	60†	0	7	11	20	11	9	*	*	0
	Salt River Pima-Maricopa Indian Community	120†	*	6	14	32	35	24	7	0	0
	San Carlos Apache Tribe	280†	*	29	40	103	66	25	16	*	0
	Tohono O'Odham Nation	160†	0	9	24	57	31	19	11	*	0
	White Mountain Apache Tribe	310†	*	29	40	105	70	43	16	*	0
	Yavapai-Apache Nation	10†	0	0	0	*	0	*	*	0	0
Yavapai-Prescott Indian Tribe	0†	0	0	*	*	0	0	*	0	0	
	TOTAL	2,803	10†	170†	350†	910†	660†	420†	230†	50†	0†
Resided off reservation	---in Maricopa County	1,490†	*	49	157	483	395	265	120	19	*
	---in Pima County	366	0	14	41	129	104	47	25	6	0
	---in Coconino County	310†	0	16	21	104	89	53	25	*	0
	---elsewhere in Arizona	860†	*	45	107	298	213	115	58	19	*
		TOTAL	3,027	10†	124	326	1,014	801	480	228	50†

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

4.2
EDUCATIONAL ATTAINMENT OF MOTHER (2011 STATUS)

		TOTAL BIRTHS	Mother's education						Un-known
			< 8	8	9-11	12	13-16	17+	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	30†	110†	1,400†	2,340†	1,720†	160†	60†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	*	*	*	0	0
	Cocopah Tribe	10†	0	0	7	6	*	0	0
	Colorado River Indian Tribe	30†	0	0	8	18	*	*	0
	Fort McDowell Yavapai Nation Reservation	20†	0	0	*	7	*	*	*
	Fort Mojave Indian Tribe	10†	0	0	*	6	*	0	0
	Gila River Indian Community	70†	*	12	35	18	6	0	*
	Havasupai Tribe	10†	0	*	*	*	0	0	0
	Hopi Tribe	200†	0	*	35	119	44	*	*
	Hualapai Tribe	40†	0	*	17	17	*	0	0
	Navajo Nation	1,464	8	13	240	623	532	42	6
	Pascua Yaqui Tribe	60†	0	*	26	22	10	*	0
	Salt River Pima-Maricopa Indian Community	120†	*	*	43	43	19	*	7
	San Carlos Apache Tribe	280†	*	*	108	114	52	*	0
	Tohono O'Odham Nation	160†	*	*	60	59	24	*	*
	White Mountain Apache Tribe	310†	0	*	118	130	55	*	0
	Yavapai-Apache Nation	10†	0	0	*	*	0	0	0
Yavapai-Prescott Indian Tribe	0†	0	0	*	*	0	0	0	
	TOTAL	2,803	20†	40†	720†	1,200†	760†	60†	20†
Resided off reservation	---in Maricopa County	1,491	6	41	307	493	580	55	9
	---in Pima County	370†	*	13	84	133	110	21	*
	---in Coconino County	310†	*	*	51	138	101	12	*
	---elsewhere in Arizona	860	6	15	239	380	173	18	29
		TOTAL	3,027	20†	70†	681	1,144	964	106

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

4.3
MARITAL STATUS OF MOTHER (2011 STATUS)

		TOTAL BIRTHS	Marital status		
			Married	Unmarried	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	1,260†	4,490†	80†
Resided on reservation	Ak-Chin Indian Community	10†	*	7	0
	Cocopah Tribe	10†	*	13	0
	Colorado River Indian Tribe	30†	*	30	0
	Fort McDowell Yavapai Nation Reservation	20†	*	12	0
	Fort Mojave Indian Tribe	10†	*	9	0
	Gila River Indian Community	74	8	66	0
	Havasupai Tribe	9	0	9	0
	Hopi Tribe	200†	29	173	*
	Hualapai Tribe	36	6	30	0
	Navajo Nation	1,464	292	1,150	22
	Pascua Yaqui Tribe	60†	*	58	0
	Salt River Pima-Maricopa Indian Community	120†	20	97	*
	San Carlos Apache Tribe	280†	57	221	*
	Tohono O'Odham Nation	160†	16	138	*
	White Mountain Apache Tribe	310†	77	228	*
	Yavapai-Apache Nation	10†	*	6	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0
	TOTAL	2,803	520†	2,250†	30†
Resided off reservation	---in Maricopa County	1,491	364	1,095	32
	---in Pima County	370†	83	278	*
	---in Coconino County	310†	87	218	*
	---elsewhere in Arizona	860	200	653	7
		TOTAL	3,027	734	2,244

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 (2011 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	Un-known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	340†	690†	150†	3,380†	50†	1,220†
Resided on reservation	Ak-Chin Indian Community	10†	0	*	0	*	0	*
	Cocopah Tribe	10†	*	*	*	8	0	*
	Colorado River Indian Tribe	30†	*	*	*	16	0	12
	Fort McDowell Yavapai Nation Reservation	20†	0	*	0	7	0	6
	Fort Mojave Indian Tribe	10†	0	*	*	*	0	*
	Gila River Indian Community	70†	*	10	*	39	*	21
	Havasupai Tribe	10†	0	0	0	*	0	*
	Hopi Tribe	200†	*	0	0	169	0	33
	Hualapai Tribe	40†	*	0	*	25	0	9
	Navajo Nation	1,460†	17	10	*	1,185	7	240
	Pascua Yaqui Tribe	60†	0	11	*	22	0	26
	Salt River Pima-Maricopa Indian Community	120†	*	17	*	70	*	26
	San Carlos Apache Tribe	280†	*	*	*	197	0	78
	Tohono O'Odham Nation	160†	*	*	0	91	*	58
	White Mountain Apache Tribe	310†	9	*	*	247	0	45
	Yavapai-Apache Nation	10†	0	*	*	*	0	*
	Yavapai-Prescott Indian Tribe	0†	0	*	0	*	0	*
	TOTAL	2,803	40†	70†	20†	2,090†	10†	570†
Resided off reservation	---in Maricopa County	1,491	167	369	95	557	21	282
	---in Pima County	366	33	97	14	108	8	106
	---in Coconino County	310†	27	20	8	201	*	52
	---elsewhere in Arizona	860	74	130	17	423	7	209
		TOTAL	3,027	301	616	134	1,289	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.

**4.5
AGE OF FATHER (2011 STATUS)**

		TOTAL BIRTHS	Father's age group											
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	0†	120†	330†	1,320†	1,210†	850†	520†	220†	80†	30†	10†	1,150†
Resided on reservation	Ak-Chin Indian Community	10†	0	*	*	*	*	0	0	0	0	0	0	*
	Cocopah Tribe	10†	0	0	*	*	7	*	0	0	0	0	0	*
	Colorado River Indian Tribe	30†	0	*	*	*	8	*	*	*	0	0	0	11
	Fort McDowell Yavapai Nation Reservation	20†	0	0	*	*	*	*	0	*	0	0	0	6
	Fort Mojave Indian Tribe	10†	0	0	0	*	*	*	*	*	0	0	0	*
	Gila River Indian Community	70†	0	7	*	18	11	6	*	*	0	0	*	21
	Havasupai Tribe	10†	0	0	0	*	*	0	*	*	0	0	0	*
	Hopi Tribe	200†	0	10	14	62	35	29	18	*	*	0	*	31
	Hualapai Tribe	40†	0	0	*	9	11	*	*	*	*	0	0	8
	Navajo Nation	1,460†	0	19	87	317	309	229	161	78	23	12	*	225
	Pascua Yaqui Tribe	60†	0	*	*	7	12	*	*	*	0	0	0	26
	Salt River Pima-Maricopa Indian Community	120†	0	*	8	34	19	17	10	*	0	0	*	26
	San Carlos Apache Tribe	280†	*	9	15	78	48	26	11	8	*	*	0	77
	Tohono O'Odham Nation	160†	0	*	15	23	24	17	8	*	*	0	0	58
	White Mountain Apache Tribe	310†	0	17	24	89	61	33	21	12	*	0	0	44
	Yavapai-Apache Nation	10†	0	0	0	*	*	0	0	0	0	*	0	*
	Yavapai-Prescott Indian Tribe	0†	0	0	0	*	0	0	0	0	0	0	0	*
TOTAL	2,803	0†	70†	180†	660†	550†	380†	240†	120†	40†	20†	10†	550†	
Resided off reservation	---in Maricopa County	1,490†	0	16	70	332	350	259	138	51	14	*	0	257
	---in Pima County	370†	0	6	12	75	73	60	28	*	*	0	0	103
	---in Coconino County	310†	0	10	12	66	67	54	37	10	*	0	*	48
	---elsewhere in Arizona	860†	0	17	56	183	165	104	76	38	14	11	*	194
	TOTAL	3,027	0	49	150	656	655	477	279	100†	40†	20†	0†	602

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 (2011 STATUS)

		TOTAL BIRTHS	Payee for births				
			AHCCCS ^a	IHS	Private insurance	Self	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	3,440†	1,570†	730†	50†	50†
Resided on reservation	Ak-Chin Indian Community	10†	11	0	*	0	0
	Cocopah Tribe	10†	9	*	0	*	0
	Colorado River Indian Tribe	30†	13	15	*	*	*
	Fort McDowell Yavapai Nation Reservation	20†	*	0	11	*	0
	Fort Mojave Indian Tribe	10†	6	*	*	0	0
	Gila River Indian Community	70†	48	13	10	*	0
	Havasupai Tribe	10†	*	*	*	*	0
	Hopi Tribe	200†	66	134	*	0	*
	Hualapai Tribe	40†	22	*	8	*	0
	Navajo Nation	1,460†	736	674	48	*	*
	Pascua Yaqui Tribe	60†	50	10	*	0	0
	Salt River Pima-Maricopa Indian Community	120†	82	16	19	*	*
	San Carlos Apache Tribe	280†	64	204	10	*	*
	Tohono O'Odham Nation	155	100	29	26	0	0
	White Mountain Apache Tribe	310†	217	79	8	0	*
	Yavapai-Apache Nation	10†	6	0	*	0	0
Yavapai-Prescott Indian Tribe	0†	*	0	*	0	0	
	TOTAL	2,803	1,440†	1,190†	150†	20†	10†
Resided off reservation	---in Maricopa County	1,490†	976	145	348	18	*
	---in Pima County	370†	241	45	74	*	*
	---in Coconino County	310†	209	56	43	0	*
	---elsewhere in Arizona	860	579	134	108	11	28
	TOTAL	3,027	2,005	380	573	30†	40†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a 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 (2011 STATUS)

		TOTAL BIRTHS	Weight gain						Un-known
			None	1-15 pounds	16-20 pounds	21-24 pounds	25-30 pounds	31+ pounds	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	190†	1,100†	780†	440†	1,200†	1,940†	180†
Resided on reservation	Ak-Chin Indian Community	10†	*	*	*	*	*	*	0
	Cocopah Tribe	10†	0	*	*	*	*	*	*
	Colorado River Indian Tribe	30†	*	17	*	*	*	*	0
	Fort McDowell Yavapai Nation Reservation	20†	0	*	*	0	*	9	0
	Fort Mojave Indian Tribe	10†	0	*	*	0	0	*	0
	Gila River Indian Community	70†	*	13	7	*	20	23	*
	Havasupai Tribe	10†	*	*	*	0	*	*	0
	Hopi Tribe	200†	14	44	33	10	46	54	*
	Hualapai Tribe	40†	*	11	10	*	9	*	0
	Navajo Nation	1,464	42	355	195	131	268	419	54
	Pascua Yaqui Tribe	60†	8	14	*	*	15	15	0
	Salt River Pima-Maricopa Indian Community	120†	*	23	17	15	14	43	*
	San Carlos Apache Tribe	280†	*	37	55	16	81	88	*
	Tohono O'Odham Nation	160†	10	33	19	15	24	49	*
	White Mountain Apache Tribe	306	9	50	44	24	63	82	34
	Yavapai-Apache Nation	10†	*	0	*	0	*	*	0
Yavapai-Prescott Indian Tribe	0†	0	0	*	0	*	*	0	
	TOTAL	2,803	100†	610†	400†	230†	560†	800†	110†
Resided off reservation	---in Maricopa County	1,491	30	232	197	111	295	592	34
	---in Pima County	366	22	64	42	22	74	135	7
	---in Coconino County	310†	7	34	48	22	87	110	*
	---elsewhere in Arizona	860	35	165	90	53	184	305	28
		TOTAL	3,027	94	495	377	208	640	1,142

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 (2011 STATUS)

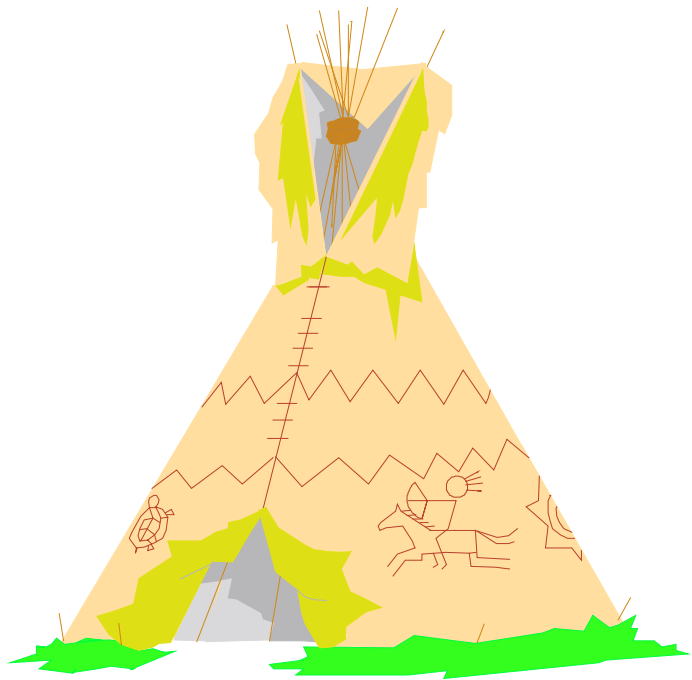
		TOTAL BIRTHS	Births with medical risk factors	Medical risk factors ^a																	
				Anemia	Cardiac disease	Lung disease	Diabetes	Genital herpes	Hydramnios	Hemoglobinopathy	Chronic hypertension	Pregnancy associated hypertension	Eclampsia	Previous infant 4000+g	Previous SGA infant	Renal disease	RH sensitization	Uterine bleeding	Incompetent cervix	Other	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	2,590†	350†	10†	70†	540†	40†	110†	0†	70†	370†	80†	60†	40†	10†	1	30†	1	1,730†	
Resided on reservation	Ak-Chin Indian Community	13	6	*	0	*	*	*	0	0	0	*	0	0	0	0	0	*	0	*	
	Cocopah Tribe	11	*	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	*
	Colorado River Indian Tribe	28	6	*	0	0	*	0	0	0	*	*	0	0	0	0	0	0	0	0	*
	Fort McDowell Yavapai Nation Reservation	15	10	*	0	0	*	0	0	0	*	0	0	0	0	0	0	0	0	0	9
	Fort Mojave Indian Tribe	7	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	Gila River Indian Community	59	32	*	0	*	6	*	*	0	*	*	0	0	0	0	0	0	0	0	19
	Havasupai Tribe	16	*	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	Hopi Tribe	226	56	7	*	0	14	0	*	0	0	12	*	*	0	0	0	0	0	0	27
	Hualapai Tribe	24	*	0	0	0	*	0	0	0	*	0	*	0	0	0	0	0	0	0	0
	Navajo Nation	1,460	651	87	*	7	144	*	28	*	21	97	10	23	17	*	0	7	0	0	373
	Pascua Yaqui Tribe	41	38	0	0	0	7	0	*	0	0	11	6	0	0	0	0	0	0	0	33
	Salt River Pima-Maricopa Indian Community	117	79	10	0	*	24	0	*	0	*	10	*	7	0	0	0	0	0	0	59
	San Carlos Apache Tribe	271	120	28	0	*	19	*	*	0	*	23	*	0	*	0	0	*	0	0	86
	Tohono O'Odham Nation	166	94	*	0	0	15	0	*	0	*	12	12	0	0	0	0	0	0	0	81
	White Mountain Apache Tribe	327	139	11	*	*	26	*	*	0	*	16	0	0	0	*	0	*	0	0	103
	Yavapai-Apache Nation	2	*	0	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0	*
Yavapai-Prescott Indian Tribe	5	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	
TOTAL	2,803	1,240†	150†	0†	20†	260†	10†	50†	0†	40†	190†	40†	40†	20†	10†	0	10†	0	0	800†	
Resided off reservation	---in Maricopa County	1,498	792	141	6	28	160	21	43	0	24	89	15	20	19	0	0	8	*	578	
	---in Pima County	350	213	17	0	0	33	*	7	0	*	27	16	0	0	0	0	*	0	173	
	---in Coconino County	288	76	*	0	*	26	*	*	0	*	31	*	0	0	0	0	0	0	21	
	---elsewhere in Arizona	891	268	32	*	23	63	7	9	0	6	31	*	*	*	0	*	*	0	160	
	TOTAL	3,027	1,349	190†	10†	50†	282	30†	60†	0	30†	178	40†	20†	20†	0	0†	10†	0†	0	932

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

4.9
SUBSTANCE USE DURING PREGNANCY (2011 STATUS)

		TOTAL BIRTHS	Substance use			
			Drinker, nonsmoker	Smoker, nondrinker	Smoker and drinker	Nonsmoker and nondrinker
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,815	50†	110†	30†	5,640†
Resided on reservation	Ak-Chin Indian Community	12	0	0	0	12
	Cocopah Tribe	10†	0	*	0	12
	Colorado River Indian Tribe	32	0	0	0	32
	Fort McDowell Yavapai Nation Reservation	15	0	0	0	15
	Fort Mojave Indian Tribe	10	0	0	0	10
	Gila River Indian Community	70†	*	*	*	71
	Havasupai Tribe	9	0	0	0	9
	Hopi Tribe	200†	*	0	0	202
	Hualapai Tribe	40†	*	0	0	35
	Navajo Nation	1,464	7	14	6	1,437
	Pascua Yaqui Tribe	60†	0	0	*	60
	Salt River Pima-Maricopa Indian Community	120†	*	*	*	114
	San Carlos Apache Tribe	280†	7	*	*	266
	Tohono O'Odham Nation	160†	*	*	0	152
	White Mountain Apache Tribe	310†	13	6	*	283
	Yavapai-Apache Nation	10†	*	*	0	*
	Yavapai-Prescott Indian Tribe	0†	*	0	0	*
		TOTAL	2,803	40†	30†	20†
Resided off reservation	---in Maricopa County	1,491	10	40	10	1,431
	---in Pima County	370†	*	8	*	355
	---in Coconino County	310†	*	*	0	305
	---elsewhere in Arizona	860†	*	23	*	828
		TOTAL	3,027	20†	80†	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 (2011 STATUS)

		TOTAL BIRTHS	Prenatal care				
			No care	1st trimester	2nd trimester	3rd trimester	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830†	140†	4,000†	1,290†	350†	40†
Resided on reservation	Ak-Chin Indian Community	10†	0	11	*	0	0
	Cocopah Tribe	10†	*	*	6	*	0
	Colorado River Indian Tribe	30†	0	18	10	*	0
	Fort McDowell Yavapai Nation Reservation	20†	*	7	*	*	*
	Fort Mojave Indian Tribe	10†	0	8	*	*	0
	Gila River Indian Community	70†	*	57	8	*	0
	Havasupai Tribe	10†	0	8	*	0	0
	Hopi Tribe	200†	*	132	58	10	0
	Hualapai Tribe	40†	0	31	*	0	0
	Navajo Nation	1,460†	30	1,004	337	91	*
	Pascua Yaqui Tribe	60†	*	47	7	*	0
	Salt River Pima-Maricopa Indian Community	120†	*	61	39	10	*
	San Carlos Apache Tribe	280†	13	156	79	31	*
	Tohono O'Odham Nation	155	8	88	48	11	0
	White Mountain Apache Tribe	310†	*	191	85	22	*
	Yavapai-Apache Nation	10†	0	*	0	*	0
	Yavapai-Prescott Indian Tribe	0†	0	*	*	0	0
	TOTAL	2,800†	70†	1,830†	690†	190†	20†
Resided off reservation	---in Maricopa County	1,491	30	1,103	276	76	6
	---in Pima County	370†	12	242	84	25	*
	---in Coconino County	310†	*	251	50	6	0
	---elsewhere in Arizona	860	25	576	193	52	14
		TOTAL	3,027	70†	2,172	603	159

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 (2011 STATUS)**

		TOTAL BIRTHS	Prenatal visits					
			No visits	1-4 visits	5-8 visits	9-12 visits	13+ visits	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	140†	530†	1,460†	2,510†	1,150†	40†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	*	9	*	0
	Cocopah Tribe	10†	*	*	*	*	*	0
	Colorado River Indian Tribe	30†	0	6	10	6	9	*
	Fort McDowell Yavapai Nation Reservation	20†	*	*	*	*	*	*
	Fort Mojave Indian Tribe	10†	0	0	*	*	*	0
	Gila River Indian Community	70†	*	*	13	44	8	0
	Havasupai Tribe	10†	0	*	*	*	*	0
	Hopi Tribe	200†	*	17	63	77	43	0
	Hualapai Tribe	36	0	6	8	14	8	0
	Navajo Nation	1,460†	30	120	353	643	315	*
	Pascua Yaqui Tribe	60†	*	*	14	23	16	0
	Salt River Pima-Maricopa Indian Community	120†	*	17	31	43	19	*
	San Carlos Apache Tribe	280†	13	65	91	76	33	*
	Tohono O'Odham Nation	155	8	19	58	50	20	0
	White Mountain Apache Tribe	310†	*	47	118	111	22	*
	Yavapai-Apache Nation	10†	0	*	0	*	*	0
Yavapai-Prescott Indian Tribe	0†	0	0	*	*	*	0	
	TOTAL	2,803	70†	320†	770†	1,120†	500†	20†
Resided off reservation	---in Maricopa County	1,491	30	104	315	708	327	7
	---in Pima County	370†	12	34	113	136	67	*
	---in Coconino County	310†	*	20	66	142	79	0
	---elsewhere in Arizona	860	25	51	192	407	174	11
		TOTAL	3,027	70†	209	686	1,393	647

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 (2011 STATUS)**

		TOTAL BIRTHS	Obstetric procedures ^a						
			Amniocentesis	Electronic Fetal Monitor	Induction of labor	Stimulation of labor	Tocolysis	Ultrasound	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	60†	5,240†	1,110†	970†	50†	4,040†	540†
Resided on reservation	Ak-Chin Indian Community	12	0	12	*	*	0	12	8
	Cocopah Tribe	14	0	14	*	*	0	14	0
	Colorado River Indian Tribe	32	0	30	*	0	*	13	*
	Fort McDowell Yavapai Nation Reservation	15	0	15	*	*	0	12	0
	Fort Mojave Indian Tribe	10	0	9	*	*	0	10	0
	Gila River Indian Community	74	*	70	12	11	0	52	22
	Havasupai Tribe	9	0	9	*	*	0	0	0
	Hopi Tribe	204	*	189	31	41	*	82	*
	Hualapai Tribe	36	0	36	13	17	0	*	0
	Navajo Nation	1,464	8	1,365	265	237	13	788	64
	Pascua Yaqui Tribe	61	0	60	14	*	0	61	12
	Salt River Pima-Maricopa Indian Community	119	*	115	13	26	0	113	*
	San Carlos Apache Tribe	282	*	203	29	32	13	99	49
	Tohono O'Odham Nation	155	0	144	28	6	0	142	43
	White Mountain Apache Tribe	306	*	204	48	56	*	293	*
	Yavapai-Apache Nation	7	0	6	*	*	0	7	0
Yavapai-Prescott Indian Tribe	*	0	*	*	*	0	*	0	
	TOTAL	2,803	20†	2,480†	480†	440†	30†	1,710†	210†
Resided off reservation	---in Maricopa County	1,498	30	1,401	307	310	15	1,158	97
	---in Pima County	350	*	356	76	30	*	344	79
	---in Coconino County	288	*	288	85	99	0	240	*
	---elsewhere in Arizona	891	6	708	167	94	*	589	150
		TOTAL	3,027	40†	2,753	635	533	20†	2,331

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

4.13

COMPLICATIONS OF LABOR AND DELIVERY (2011 STATUS)

		TOTAL BIRTHS	Births with complications of labor and/or delivery	Complications of labor and/or delivery ^a																
				Febrile	Meconium	Rupture of membrane	Abruptio placenta	Placenta previa	Other bleeding	Seizures	Precipitous labor	Prolonged labor	Dysfunctional labor	Breech malpresentation	Cephalopelvic disp.	Cord prolapse	Anesthetic complic.	Fetal distress	Other	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	1,730	110†	220†	180†	30†	20†	60†	0†	110†	80†	190†	150†	20†	10†	0†	280†	740†	
Resided on reservation	Ak-Chin Indian Community	12	*	0	0	0	0	0	*	0	*	0	0	0	0	0	0	*	*	
	Cocopah Tribe	14	7	0	*	*	0	0	*	0	*	0	0	0	0	0	0	0	*	
	Colorado River Indian Tribe	32	6	0	*	0	0	0	*	0	0	0	0	*	0	0	0	*	*	
	Fort McDowell Yavapai Nation Reservation	15	*	*	*	0	0	0	0	0	*	0	0	*	0	0	0	0	*	0
	Fort Mojave Indian Tribe	10	*	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	*
	Gila River Indian Community	74	29	*	6	0	0	*	*	0	*	*	0	*	0	0	0	0	10	14
	Havasupai Tribe	9	*	0	0	0	0	0	*	0	*	0	0	0	0	0	0	0	0	0
	Hopi Tribe	204	65	6	14	6	0	0	7	0	6	7	18	8	*	*	0	12	13	
	Hualapai Tribe	36	*	0	*	0	0	0	0	0	0	0	0	*	0	0	0	0	*	0
	Navajo Nation	1,464	473	38	49	82	15	6	22	0	38	30	104	50	7	*	0	40	149	
	Pascua Yaqui Tribe	61	22	0	*	*	*	*	0	0	*	0	*	*	0	0	0	0	*	15
	Salt River Pima-Maricopa Indian Community	119	23	*	*	0	0	*	*	0	*	0	*	*	0	0	0	0	*	7
	San Carlos Apache Tribe	282	100	*	9	*	*	0	*	0	13	*	0	6	*	*	0	20	53	
	Tohono O'Odham Nation	155	50	*	8	*	0	0	0	0	*	*	*	*	0	0	0	0	*	36
	White Mountain Apache Tribe	306	86	0	*	*	0	0	*	*	0	*	0	6	0	0	0	0	*	75
	Yavapai-Apache Nation	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yavapai-Prescott Indian Tribe	*	*	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	*	
TOTAL		2,803	880†	50†	100†	100†	20†	10†	40†	0†	70†	40†	130†	90†	10†	0†	0	110†	370†	
Resided off reservation	---in Maricopa County	1,498	463	37	75	48	*	*	10	*	20	20	47	35	7	*	*	106	162	
	---in Pima County	350	122	*	16	7	*	0	*	0	*	*	6	*	*	0	0	9	83	
	---in Coconino County	288	56	*	13	12	*	*	*	0	*	8	*	7	*	0	0	7	9	
	---elsewhere in Arizona	891	212	16	18	18	*	*	7	0	9	*	11	13	*	*	0	55	112	
	TOTAL		3,027	853	60†	122	85	10†	10†	20†	0†	40†	40†	70†	60†	10†	10†	0†	177	366

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Complications of labor and/or delivery do not sum to the sum of births with complications of labor and/or delivery as each birth may be associated with multiple complications.

**4.14
METHOD OF DELIVERY (2011 STATUS)**

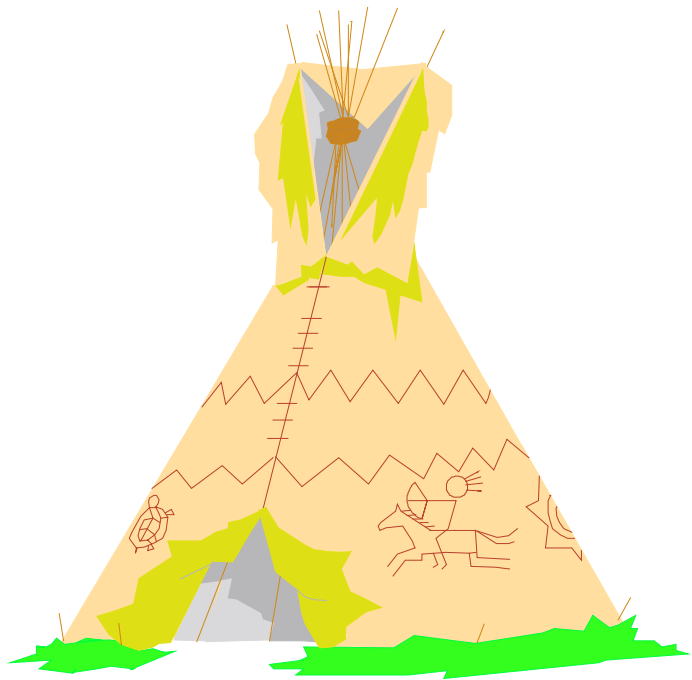
		TOTAL BIRTHS	Method of delivery ^a					
			Vaginal	Vaginal after C-Section	Primary C-Section	Repeat C-Section	Forceps	Vacuum
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	4,350†	130†	670†	680†	30†	100†
Resided on reservation	Ak-Chin Indian Community	12	8	0	0	*	0	0
	Cocopah Tribe	14	11	0	*	*	0	0
	Colorado River Indian Tribe	32	17	*	6	8	0	0
	Fort McDowell Yavapai Nation Reservation	15	10	0	*	*	*	*
	Fort Mojave Indian Tribe	10	6	0	*	*	0	*
	Gila River Indian Community	74	53	0	13	8	*	0
	Havasupai Tribe	9	*	0	0	*	*	0
	Hopi Tribe	204	159	8	22	12	*	*
	Hualapai Tribe	36	30	0	*	*	0	*
	Navajo Nation	1,464	1,138	66	135	123	*	15
	Pascua Yaqui Tribe	61	50	*	8	*	0	*
	Salt River Pima-Maricopa Indian Community	119	78	*	17	22	*	*
	San Carlos Apache Tribe	282	205	*	31	43	*	11
	Tohono O'Odham Nation	155	129	*	12	12	0	*
	White Mountain Apache Tribe	306	239	*	19	46	6	19
	Yavapai-Apache Nation	7	*	0	*	*	0	0
	Yavapai-Prescott Indian Tribe	*	*	0	*	0	0	*
	TOTAL	2,800†	2,140†	80†	270†	300†	20†	60†
Resided off reservation	---in Maricopa County	1,491	1,078	29	200	184	6	21
	---in Pima County	366	272	7	49	38	*	6
	---in Coconino County	310	250	6	30	24	*	*
	---elsewhere in Arizona	860	603	*	115	137	*	10
		TOTAL	3,027	2,203	50†	394	383	10†

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

**4.15
ATTENDANT AT BIRTH (2011 STATUS)**

		TOTAL BIRTHS	M.D.	C.N.M	Midwife	D.O.	Other	Un-known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	3,650†	1,580†	40†	540†	20†	0†
Resided on reservation	Ak-Chin Indian Community	10†	8	*	0	*	0	0
	Cocopah Tribe	10†	13	*	0	0	0	0
	Colorado River Indian Tribe	32	13	0	0	19	0	0
	Fort McDowell Yavapai Nation Reservation	20†	13	0	0	*	0	0
	Fort Mojave Indian Tribe	10†	8	0	0	*	0	0
	Gila River Indian Community	70†	62	*	0	11	0	0
	Havasupai Tribe	10†	6	*	0	*	0	0
	Hopi Tribe	200†	87	106	*	6	0	0
	Hualapai Tribe	36	24	0	0	12	0	0
	Navajo Nation	1,464	443	938	19	58	6	0
	Pascua Yaqui Tribe	61	49	12	0	0	0	0
	Salt River Pima-Maricopa Indian Community	120†	96	19	*	*	0	*
	San Carlos Apache Tribe	280†	191	*	0	84	6	0
	Tohono O'Odham Nation	160†	152	*	0	0	0	0
	White Mountain Apache Tribe	310†	218	*	0	84	*	0
	Yavapai-Apache Nation	7	7	0	0	0	0	0
Yavapai-Prescott Indian Tribe	0†	*	0	0	0	0	0	
	TOTAL	2,803	1,390†	1,090†	30†	280†	10†	0†
Resided off reservation	---in Maricopa County	1,490†	1,052	343	*	92	*	0
	---in Pima County	370†	336	28	*	*	0	0
	---in Coconino County	310†	240	43	*	21	0	*
	---elsewhere in Arizona	860†	627	83	9	139	*	0
		TOTAL	3,027	2,255	497	20†	250†	0†

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



Newborn's Health

**4.16
GESTATIONAL AGE (2011 STATUS)**

		TOTAL BIRTHS	Length of gestation			
			<37 weeks	37-41 weeks	42+ weeks	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	530†	5,240†	50†	10†
Resided on reservation	Ak-Chin Indian Community	10†	*	11	0	0
	Cocopah Tribe	10†	*	13	0	0
	Colorado River Indian Tribe	30†	*	28	0	*
	Fort McDowell Yavapai Nation Reservation	20†	*	11	0	*
	Fort Mojave Indian Tribe	10	0	10	0	0
	Gila River Indian Community	70†	*	70	0	0
	Havasupai Tribe	9	0	9	0	0
	Hopi Tribe	200†	16	183	*	0
	Hualapai Tribe	36	6	30	0	0
	Navajo Nation	1,460†	103	1,335	23	*
	Pascua Yaqui Tribe	61	9	52	0	0
	Salt River Pima-Maricopa Indian Community	120†	17	100	*	*
	San Carlos Apache Tribe	280†	40	240	*	*
	Tohono O'Odham Nation	155	18	137	0	0
	White Mountain Apache Tribe	310†	38	264	*	*
	Yavapai-Apache Nation	10†	*	6	0	0
	Yavapai-Prescott Indian Tribe	0†	0	*	0	0
	TOTAL	2,803	260†	2,500†	30†	10†
Resided off reservation	---in Maricopa County	1,491	139	1,341	11	0
	---in Pima County	370†	24	340	*	*
	---in Coconino County	310†	27	279	*	0
	---elsewhere in Arizona	860†	77	781	*	0
		TOTAL	3,027	267	2,741	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 (2011 STATUS)

		TOTAL BIRTHS	Weight at birth					Unknown
			<1,000 grams	1,000-1,499	1,500-2,499	2,500-3,999	4000+	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	40†	40†	330†	4,890†	540†	0†
Resided on reservation	Ak-Chin Indian Community	10†	0	0	*	9	*	0
	Cocopah Tribe	10†	*	0	0	13	0	0
	Colorado River Indian Tribe	30†	0	*	*	24	*	0
	Fort McDowell Yavapai Nation Reservation	20†	0	*	*	11	*	0
	Fort Mojave Indian Tribe	10†	0	0	0	8	*	0
	Gila River Indian Community	70†	0	0	*	62	8	0
	Havasupai Tribe	9	0	0	0	9	0	0
	Hopi Tribe	200†	0	*	15	176	11	0
	Hualapai Tribe	40†	*	*	*	29	*	0
	Navajo Nation	1,460†	8	*	75	1,268	109	0
	Pascua Yaqui Tribe	60†	0	*	6	47	6	0
	Salt River Pima-Maricopa Indian Community	119	0	0	7	89	23	0
	San Carlos Apache Tribe	280†	*	*	16	237	25	0
	Tohono O'Odham Nation	155	0	0	11	129	15	0
	White Mountain Apache Tribe	310†	*	*	32	254	13	0
	Yavapai-Apache Nation	10†	0	0	*	*	*	0
Yavapai-Prescott Indian Tribe	0†	0	0	0	*	0	0	
	TOTAL	2,803	20†	20†	170†	2,370†	220†	0
Resided off reservation	---in Maricopa County	1,491	8	10	73	1,235	165	0
	---in Pima County	370†	*	*	14	307	41	0
	---in Coconino County	310†	*	*	22	259	24	0
	---elsewhere in Arizona	860†	9	*	48	716	81	*
		TOTAL	3,030†	20†	20†	157	2,517	311

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 (2011 STATUS)

		TOTAL BIRTHS	Births with abnormal conditions of the newborn	Abnormal conditions ^a								
				Anemia	Birth injury	Fetal Alcohol Syndrome	Membrane disease	Meconium aspiration	Assisted vent. <30 min	Assisted vent. >30 min.	Newborn seizures	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	411	0†	0†	0	10†	10†	20†	10†	10†	370†
Resided on reservation	Ak-Chin Indian Community	12	*	0	0	0	0	0	0	0	0	*
	Cocopah Tribe	14	*	0	0	0	0	0	0	*	0	*
	Colorado River Indian Tribe	32	*	0	0	0	*	0	*	0	0	*
	Fort McDowell Yavapai Nation Reservation	15	*	0	0	0	0	0	0	0	0	*
	Fort Mojave Indian Tribe	10	*	0	0	0	0	0	0	*	0	0
	Gila River Indian Community	74	16	0	0	0	0	*	0	0	0	15
	Havasupai Tribe	9	0	0	0	0	0	0	0	0	0	0
	Hopi Tribe	204	7	*	0	0	0	*	*	*	0	*
	Hualapai Tribe	36	*	0	0	0	0	*	0	0	0	*
	Navajo Nation	1,464	35	*	*	0	*	*	*	*	*	23
	Pascua Yaqui Tribe	61	6	0	0	0	0	0	0	0	0	6
	Salt River Pima-Maricopa Indian Community	119	0	0	0	0	0	0	0	0	0	0
	San Carlos Apache Tribe	282	31	*	0	0	0	0	*	*	0	28
	Tohono O'Odham Nation	155	7	0	0	0	0	0	0	0	0	7
	White Mountain Apache Tribe	306	36	0	0	0	0	0	0	0	0	36
	Yavapai-Apache Nation	7	0	0	0	0	0	0	0	0	0	0
Yavapai-Prescott Indian Tribe	*	0	0	0	0	0	0	0	0	0	0	
TOTAL		2,803	150†	0†	0†	0	0†	0†	10†	10†	0†	130†
Resided off reservation	---in Maricopa County	1,491	125	*	0	0	*	*	*	*	0	118
	---in Pima County	366	16	0	0	0	0	*	*	0	0	15
	---in Coconino County	310	*	0	0	0	0	0	0	0	0	*
	---elsewhere in Arizona	860	114	0	0	0	*	*	8	*	*	103
	TOTAL		3,027	260†	0†	0	0	10†	10†	10†	0†	0†

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

**4.19
CONGENITAL ANOMALIES / BIRTH DEFECTS (2011 STATUS)**

		TOTAL BIRTHS	Births with congenital anomalies	Congenital anomalies ^a																					
				Anencephalus	Spina bifida/ meningocele	Hydrocephalus	Microcephalus	Other CNS anomaly	Heart malformations	Other respiratory/ circulatory	Rectal atresia/ stenosis	Tracheo-esophageal fistula / esophageal	Omphalocele/ gastroschisis	Other gastrointestinal	Malformed genitalia	Renal agenesis	Other urogenital	Cleft lip /palate	Polydactyly/ syndactyly/ adactyly	Club foot	Diaphragmatic hernia	Other musculoskeletal	Down's syndrome	Other chromosomal	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,830	84	0	0†	0	0†	0	10†	10†	0†	0†	0†	0†	0	0†	0	0†	0†	0	0†	0†	0†	50†	
Resided on reservation	Ak-Chin Indian Community	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Cocopah Tribe	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Colorado River Indian Tribe	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Fort McDowell Yavapai Nation Reservation	15	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0	
	Fort Mojave Indian Tribe	10	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	
	Gila River Indian Community	74	*	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	
	Havasupai Tribe	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Hopi Tribe	204	*	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	
	Hualapai Tribe	36	*	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Navajo Nation	1,464	23	0	*	0	0	0	*	*	*	0	0	0	0	0	0	*	*	*	0	0	*	*	13
	Pascua Yaqui Tribe	61	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	*
	Salt River Pima-Maricopa Indian Community	119	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	San Carlos Apache Tribe	282	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	Tohono O'Odham Nation	155	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
	White Mountain Apache Tribe	306	8	0	0	0	0	0	*	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	*
	Yavapai-Apache Nation	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Yavapai-Prescott Indian Tribe	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2,800†	20	0	0†	0	0†	0	10†	0†	0†	0	0†	0	0†	0	0	10†	0†	0†	0	0†	0†	0†	30†	
Resided off reservation	---in Maricopa County	1,491	17	0	0	0	0	0	*	*	*	0	*	0	0	*	0	*	0	0	*	*	0	10	
	---in Pima County	366	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	9	
	---in Coconino County	310	*	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	*	
	---elsewhere in Arizona	860	11	0	0	0	0	0	*	0	0	*	0	0	0	0	*	*	0	0	0	0	0	6	
	TOTAL	3,027	40†	0	0	0	0	0	10†	0†	0†	0†	0†	0	0	0†	0†	0†	0	0	0†	0†	0	30†	

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a 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, 2011

	TOTAL STATE	Resided on reservation									Resided off reservation				
		Cocopah Tribe	Gila River Indian Community	Havasupai Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Total, all causes	43	0†	0†	0†	0†	20†	0†	10†	10†	30†	10†	0†	0†	2	10†
Certain conditions originating in the perinatal period	20†	*	*	*	0	*	*	*	*	20†	*	0	0	0	0†
Maternal complications	0†	0	0	0	0	*	0	0	0	0†	*	0	0	0	0†
Complications of placenta, cord and membrane	0†	0	0	0	0	0	0	0	*	0†	0	0	0	0	0
Short gestation and low birth weight	7	*	0	0	0	*	*	*	*	10†	0	0	0	0	0
Bacterial sepsis of newborn	0†	0	0	0	0	0	0	*	0	0†	0	0	0	0	0
Congenital malformations	10†	0	0	0	0	*	0	0	0	0†	*	*	0	0	0†
of circulatory system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
of brain, spinal cord or nervous system	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
other malformation	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
Sudden infant death syndrome	0†	0	0	0	0	*	0	0	0	0†	0	0	*	0	0†
Accidents (unintentional injury)	0†	0	0	0	*	0	0	0	*	0†	*	0	0	0	0†
Influenza and pneumonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of the digestive system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infectious and parasitic diseases	0†	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
Diseases of the nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Choked on food	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mechanical suffocation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drug poisoning, undetermined intent	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.

4.21
COMPARISON OF SELECTED CHARACTERISTICS^a OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2011

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total births		5,815	870†	20†	770†	200†	110†	0†	50†	1,690†	90†	980†	578	380†	0	50†	60†
Mother's age group	<15	14	*	0	*	*	0	0	0	*	0	*	0	*	0	0	0
	15-17	293	30	0	45	23	8	0	*	60	*	65	30	21	0	*	*
	18-19	680	90	0	74	27	16	0	7	184	*	135	76	58	0	*	*
	20-24	1,924	262	7	255	74	38	0	18	540	37	307	205	136	0	21	24
	25-29	1,463	215	*	205	41	31	*	16	446	27	220	144	97	0	*	15
	30-34	899	152	*	115	17	9	0	*	297	11	154	74	47	0	8	9
	35-39	461	97	*	68	10	6	0	*	132	*	73	38	17	0	*	*
	40-44	92	20	0	6	*	*	0	0	20	0	22	11	*	0	*	0
	45+	*	*	0	0	0	0	0	0	*	0	*	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Payee for births	AHCCCS	3,444	454	8	353	57	20	*	21	1,099	58	636	389	277	0	29	42
	IHS	1,565	369	*	344	127	83	0	25	171	*	301	83	46	0	*	*
	Private insurance	726	21	7	69	11	*	0	*	388	17	32	100	55	0	12	8
	Self	49	*	0	*	*	*	0	*	22	*	0	*	*	0	*	*
	Unknown	46	23	0	*	*	*	0	*	*	*	10	*	*	0	0	0
Mother's education	< 8	34	*	0	*	*	*	0	*	9	0	*	*	*	0	0	0
	8	114	*	0	7	*	0	0	0	56	*	8	19	13	0	0	*
	9-11	1,396	116	*	135	77	38	0	17	379	27	259	168	152	0	10	17
	12	2,340	357	7	362	75	50	0	22	558	41	446	214	150	0	26	32
	13-16	1,721	332	6	232	39	19	*	8	608	15	243	142	60	0	10	6
	17+	161	33	*	22	*	*	0	*	57	0	13	25	*	0	*	*
	Unknown	64	23	0	7	0	0	0	*	18	*	7	6	0	0	0	0
Marital status	Married	1,255	187	11	184	34	26	0	*	395	17	209	101	71	0	10	7
	Unmarried	4,494	672	*	575	161	81	*	48	1,255	65	759	472	311	0	37	52
	Other^b	81	11	0	11	*	*	0	0	35	*	11	*	*	0	0	0
Weight gain	None	192	20	0	30	*	*	0	*	36	*	36	40	17	0	*	*
	1-15 pounds	1,100	230	*	125	23	17	0	25	267	21	202	111	63	0	*	9
	16-20 pounds	781	138	*	105	38	19	0	*	221	17	120	65	37	0	8	6
	21-24 pounds	435	81	*	56	16	*	0	*	128	*	73	41	23	0	0	6
	25-30 pounds	1,198	127	6	197	55	32	*	*	327	14	214	113	89	0	12	6
	31+ pounds	1,944	235	*	241	63	34	0	11	663	25	279	197	146	0	19	26
	Unknown	180	39	0	16	*	*	0	*	43	0	55	11	8	0	*	*
Substance use	Drinker, nonsmoker	54	6	0	*	*	*	0	0	13	*	18	*	*	0	*	0
	Smoker, nondrinker	107	9	*	6	*	*	0	0	44	*	12	8	11	0	*	*
	Smoker and drinker	33	*	0	*	*	*	0	0	12	0	6	*	*	0	0	0
	Nonsmoker and nondrinker	5,636	851	15	762	186	103	*	51	1,616	81	943	564	366	0	43	54

4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS* OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2011

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	
Length of gestation	<37 weeks	37	*	*	*	*	0	0	0	8	*	9	*	*	0	0	*
	37-41 weeks	37	*	0	*	*	*	0	*	11	*	8	*	*	0	0	0
	42+ weeks	329	43	*	49	13	*	*	*	85	*	74	30	23	0	*	*
	Unknown	4,890	755	14	657	165	96	0	40	1,386	69	829	480	311	0	42	46
Weight at birth	<1,000 grams	535	64	0	57	16	9	0	7	195	10	58	62	45	0	*	9
	1,000-1,499	*	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0
	1,500-2,499	527	60	*	58	30	11	*	9	164	10	91	50	34	0	*	*
	2,500-3,999	5,243	805	15	695	166	97	0	41	1,507	75	871	526	348	0	44	53
	4000+	50	*	0	16	*	0	0	0	12	0	14	*	*	0	0	*
	Unknown	10	*	0	*	0	*	0	*	*	0	*	*	0	0	0	0
Prenatal care	No care	144	17	*	15	7	6	0	*	39	*	12	23	15	0	0	*
	1st trimester	4,002	554	10	577	109	61	0	30	1,218	67	652	373	298	0	33	20
	2nd trimester	1,292	225	*	150	54	33	*	14	324	11	239	139	62	0	8	29
	3rd trimester	353	65	*	27	25	8	0	6	90	*	68	40	8	0	*	6
	Unknown	39	9	0	*	*	*	0	0	14	0	8	*	0	0	*	0
Prenatal visits	No visits	144	17	*	15	7	6	0	*	39	*	12	23	15	0	0	*
	1-4 visits	526	78	*	54	42	27	*	11	127	8	96	57	6	0	6	11
	5-8 visits	1,459	224	*	167	58	41	0	16	360	16	302	184	59	0	9	21
	9-12 visits	2,509	368	7	343	57	27	0	11	789	34	403	207	227	0	19	17
	13+ visits	1,151	176	*	189	30	7	0	11	355	23	161	103	74	0	12	6
	Unknown	41	7	0	*	*	*	0	*	15	0	*	*	*	0	*	0
Newborn intensive care	Yes	253	16	0	16	11	*	0	*	107	8	37	26	19	0	0	*
	No	5,574	854	16	753	186	105	*	46	1,578	77	941	551	364	0	47	55
	Unknown	*	0	0	*	0	0	0	0	0	*	*	0	0	0	0	
Obstetric procedures	Amniocentesis	59	*	0	6	*	0	0	*	34	*	8	*	*	0	0	0
	Electronic Fetal Monitoring	5,237	740	6	725	169	49	0	48	1,587	81	802	556	370	0	45	59
	Induction of labor	1,110	144	*	177	25	6	0	*	336	32	165	117	74	0	19	10
	Stimulation of labor	972	106	*	190	27	7	0	*	349	25	179	37	29	0	9	9
	Tocolysis	49	8	0	*	10	*	0	*	15	*	*	*	0	0	0	0
	Ultrasound	4,037	457	15	480	48	67	*	22	1,321	38	588	543	355	0	43	59
	Other	535	45	0	8	*	56	*	*	111	0	22	133	154	0	*	0
Method of delivery	Vaginal	4,347	685	8	627	148	77	0	26	1,211	62	729	449	255	0	32	38
	Vaginal after C-Section	130	45	0	17	*	*	0	*	30	0	22	10	*	0	0	*
	Primary C-Section	667	77	*	61	20	12	*	12	229	10	104	68	54	0	9	8
	Repeat C-Section	678	60	6	65	28	18	0	12	213	13	121	51	73	0	6	12
	Forceps	30	*	0	*	*	0	0	0	9	*	11	*	0	0	0	0
	Vacuum	95	7	0	*	6	*	0	0	23	*	32	9	*	0	*	0

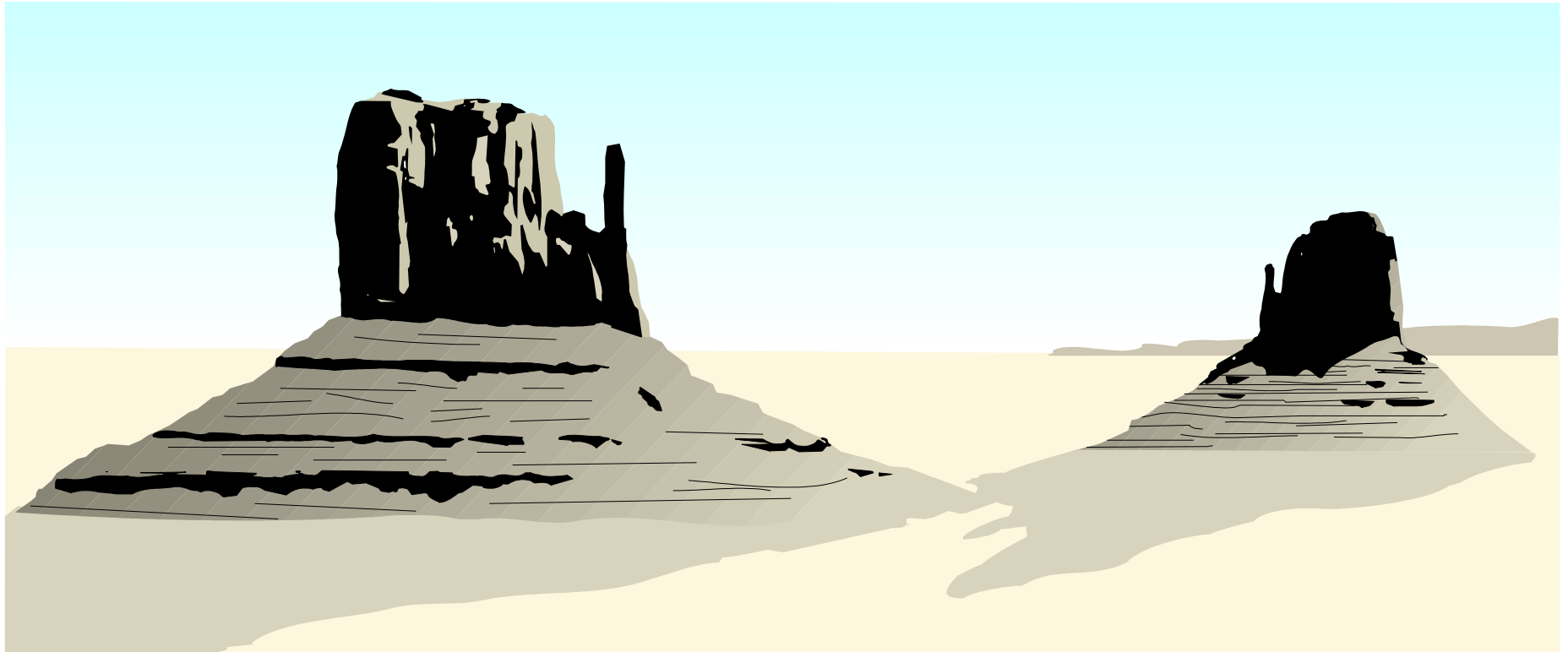
4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS* OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2011

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Births with medical risk factors	Total	2,593	327	3	222	85	31	1	12	882	4	360	282	163	1	24	12
	Anemia	348	53	0	30	21	8	0	*	155	0	37	20	21	0	0	*
	Cardiac disease	13	*	0	*	0	0	0	0	6	0	*	0	*	0	0	0
	Lung disease	73	*	0	*	*	0	0	0	32	0	10	0	21	0	0	0
	Diabetes	544	73	0	72	9	10	0	*	190	*	89	55	29	0	*	7
	Genital herpes	42	*	0	*	*	0	0	0	22	0	*	*	7	0	0	0
	Hydramnios	107	17	0	8	*	0	0	0	47	0	12	13	6	0	0	0
	Hemoglobinopathy	*	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
	Chronic hypertension	70	7	0	9	*	*	0	*	31	*	10	*	*	0	0	*
	Pregnancy associated hypertension	366	49	0	60	19	6	0	*	101	0	57	50	17	0	*	*
	Eclampsia	75	*	0	9	*	*	0	*	19	*	*	33	*	0	*	0
	Previous infant 4000+g	56	12	0	6	0	0	0	0	27	0	10	0	*	0	0	0
	Previous SGA infant	41	13	0	*	*	0	0	0	19	0	*	0	*	0	0	0
	Renal disease	7	*	0	*	0	0	0	0	0	0	*	0	0	0	0	0
	RH sensitization	*	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0
Uterine bleeding	27	*	*	*	*	0	0	0	8	0	7	*	*	0	0	0	
Incompetent cervix	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	
Other	1,732	227	*	92	59	33	0	7	661	*	253	285	86	0	12	8	
Abnormal conditions of the newborn	Total	411	40	3	26	18	15	0	4	92	1	103	32	60	0	8	11
	Anemia	*	*	0	*	*	0	0	0	*	0	0	0	0	0	0	0
	Birth injury	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fetal Alcohol Syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Membrane disease	10	0	0	*	*	0	0	*	*	*	0	0	*	0	0	0
	Meconium aspiration	10	*	0	0	0	0	0	0	*	*	*	*	*	0	0	0
	Assisted vent.<30 min	24	0	0	*	*	*	0	8	*	*	*	*	0	0	0	0
	Assisted vent.>30 min.	12	*	0	*	*	0	0	0	*	*	*	0	0	0	0	*
	Newborn seizures	*	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Other	367	16	*	9	13	16	*	*	132	*	51	27	83	0	*	7	
Births with congenital anomalies	Total	84	4	0	4	4	0	0	0	3	2	7	10	2	0	0	1
	Anencephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Spina bifida/meningocele	*	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0
	Hydrocephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Microcephalus	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
	Other CNS anomaly	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heart malformations	*	*	0	*	0	0	0	0	*	0	*	0	0	0	0	0
	Other respiratory/circulatory	7	0	0	*	0	0	0	0	*	0	*	0	*	0	0	0
Rectal atresia/stenosis	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	

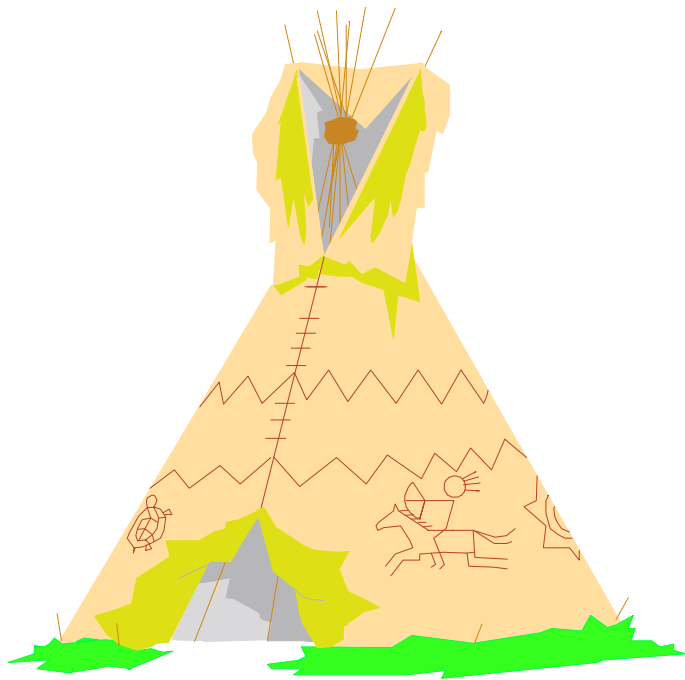
4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS^a OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2011

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Tracheo-esophageal fistula/esophageal atresia	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Omphalocele/gastroschisis	*	0	0	0	0	0	0	0	0	0	*	0	*	0	0	0
Other gastrointestinal	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Malformed genitalia	*	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Renal agenesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other urogenital	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0
Cleft lip/palate	10	*	0	*	0	0	0	0	*	*	*	0	0	0	0	0
Polydactyly/syndactyly/adactyly	*	*	0	0	0	0	0	0	*	*	0	0	0	0	0	0
Club foot	*	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0
Diaphragmatic hernia	5,830	870	16	770	197	109	*	51	1,685	85	979	578	383	0	47	59
Other muscoskeletal	*	0	0	0	0	0	0	0	*	*	0	*	0	0	0	0
Down's syndrome	*	*	0	0	0	0	0	0	*	0	*	*	0	0	0	0
Other chromosomal	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	52	7	0	8	*	*	0	0	11	*	8	11	0	0	0	0
Births with complications																
Total	1,730	232	6	185	76	30	0	6	499	6	282	162	99	0	21	22
Febrile	111	18	0	21	*	0	0	0	40	0	9	6	15	0	0	0
Meconium	222	27	0	32	11	0	0	*	86	*	23	27	10	0	0	*
Rupture of membrane	184	51	*	35	*	*	0	0	48	*	24	11	8	0	0	*
Abruptio placenta	29	10	0	*	*	*	*	*	*	*	*	*	*	0	0	0
Placenta previa	19	*	0	*	*	0	0	0	7	*	*	*	*	0	0	0
Other bleeding	60	17	0	13	*	0	0	*	12	0	10	*	*	0	0	*
Seizures	*	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0
Precipitous labor	106	16	*	21	11	*	0	0	26	0	15	*	7	0	0	*
Prolonged labor	79	14	*	20	*	0	0	0	21	0	13	*	*	0	0	0
Dysfunctional labor	192	56	0	36	0	0	0	0	48	0	36	9	*	0	*	0
Breech malpresentation	146	29	*	21	*	*	0	*	42	*	23	8	*	0	*	*
Cephalopelvic disproportion.	24	*	0	*	*	*	0	0	7	*	*	*	0	0	0	0
Cord prolapse	8	*	0	*	*	0	0	0	*	0	*	0	0	0	0	0
Anesthetic complications	*	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Fetal distress	282	22	0	17	18	*	0	*	119	*	32	16	45	0	0	*
Other	737	95	*	38	25	34	0	*	179	*	152	134	46	0	13	11
Infant mortality^c																
Total	43	10†	0	10†	10†	0†	0	0†	10†	0†	10†	0†	0	0	0	0†
Neonatal	19	*	0	*	*	0	0	0	*	*	*	*	0	0	0	*
Postneonatal	24	*	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 Obstetric procedures, method of delivery, births with medical risk factors, abnormal conditions of the newborn, births with congenital anomalies, and births with complications may not sum to their respective totals as each birth may be associated with multiple occurrences of each of these indicators; ^b 'Refused', 'Yes, divorced', 'Unknown'; ^c Total infant mortality includes unknown county of residence.



V.
**PATTERNS OF MORTALITY AMONG AMERICAN INDIANS
BY PLACE OF RESIDENCE IN ARIZONA
IN 2011**



AGE-SPECIFIC MORTALITY

**5.1
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIANS IN 2011**

		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		1,703	40†	10†	10†	100†	130†	170†	240†	250†	260†	260†	230†
Resided on reservation	Ak-Chin Indian Community	0†	0	0	0	0	0	*	*	*	0	0	0
	Cocopah Tribe	10†	*	0	0	0	0	*	*	*	0	0	0
	Colorado River Indian Tribe	10†	0	0	0	0	0	0	*	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	10†	0	0	0	*	*	*	*	*	*	0	*
	Fort Mojave Indian Tribe	0†	*	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	20†	0	0	0	0	*	*	*	6	*	*	*
	Havasupai Tribe	0†	0	0	0	0	*	0	0	*	*	0	0
	Hopi Tribe	100†	*	*	*	*	*	*	16	11	13	20	23
	Hualapai Tribe	10†	*	0	0	0	0	*	*	*	*	0	*
	Navajo Nation	650†	16	*	*	44	45	59	73	76	97	122	109
	Pascua Yaqui Tribe	10†	0	0	0	0	*	*	*	*	*	0	*
	Salt River Pima-Maricopa Indian Community	50†	*	0	0	*	*	*	9	10	11	*	*
	San Carlos Apache Tribe	80†	6	*	0	*	*	10	13	10	13	15	7
	Tohono O'Odham Nation	70†	0	*	0	*	7	9	11	15	15	7	6
	White Mountain Apache Tribe	110†	*	*	*	13	17	7	14	14	7	16	11
Yavapai-Apache Nation	0†	0	0	0	0	0	0	*	*	*	0	*	
	TOTAL	1,140†	30†	10†	10†	70†	90†	100†	150†	160†	170†	190†	170†
Resided off reservation	---in Maricopa County	180†	6	*	*	*	13	30	27	39	36	11	15
	---in Pima County	90†	*	0	*	*	*	8	10	19	17	12	9
	---in Coconino County	50†	*	0	0	11	6	6	9	*	*	10	*
	---elsewhere in Arizona	240†	*	*	*	11	21	24	47	31	33	37	34
		TOTAL	560†	10†	0†	0†	30†	40†	68	93	90†	90†	70

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

5.2
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN MALES IN 2011

		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		923	20†	10†	10†	80†	90†	120†	150†	140†	130†	100†	90†
Resided on reservation	Ak-Chin Indian Community	0†	0	0	0	0	0	*	*	0	0	0	0
	Cocopah Tribe	0†	0	0	0	0	0	*	*	0	0	0	0
	Colorado River Indian Tribe	0†	0	0	0	0	0	0	*	*	0	0	0
	Fort McDowell Yavapai Nation Reservation	0†	0	0	0	*	*	*	0	0	0	0	0
	Fort Mojave Indian Tribe	0†	*	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	10†	0	0	0	0	0	*	*	*	*	0	0
	Havasupai Tribe	0†	0	0	0	0	*	0	0	*	0	0	0
	Hopi Tribe	60†	*	*	0	*	*	*	10	9	7	9	11
	Hualapai Tribe	10†	*	0	0	0	0	*	*	*	*	0	0
	Navajo Nation	370†	*	*	*	35	29	46	48	46	58	52	46
	Pascua Yaqui Tribe	0†	0	0	0	0	*	0	*	*	0	0	0
	Salt River Pima-Maricopa Indian Community	20†	0	0	0	*	*	*	8	*	*	0	0
	San Carlos Apache Tribe	40†	*	*	0	*	*	*	*	6	*	7	*
	Tohono O'Odham Nation	40†	0	*	0	*	*	*	*	9	6	*	*
	White Mountain Apache Tribe	50†	*	*	0	7	12	*	*	*	*	7	*
Yavapai-Apache Nation	0†	0	0	0	0	0	0	*	*	0	0	0	
	TOTAL	610†	10†	10†	0†	60†	60†	70†	90†	90†	90†	80†	70†
Resided off reservation	---in Maricopa County	110†	*	*	*	*	11	21	17	22	15	*	6
	---in Pima County	40†	*	0	*	*	*	*	6	10	10	*	*
	---in Coconino County	30†	*	0	0	8	*	*	7	*	*	*	*
	---elsewhere in Arizona	130†	0	*	*	8	15	16	30	16	19	13	10
		TOTAL	310†	0†	0†	0†	20†	30†	50†	60	50†	50†	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.

5.3
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN FEMALES IN 2011

		TOTAL	Age group										
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		780†	30†	0†	0†	30†	40†	50†	90†	110†	120†	150†	140†
Resided on reservation	Ak-Chin Indian Community	0†	0	0	0	0	0	*	0	*	0	0	0
	Cocopah Tribe	0†	*	0	0	0	0	0	0	*	0	0	0
	Colorado River Indian Tribe	10†	0	0	0	0	0	0	*	*	*	*	*
	Fort McDowell Yavapai Nation Reservation	0†	0	0	0	0	0	0	*	*	*	0	*
	Fort Mojave Indian Tribe	0	0	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	10†	0	0	0	0	*	0	*	*	*	*	*
	Havasupai Tribe	0†	0	0	0	0	0	0	0	0	*	0	0
	Hopi Tribe	40†	0	0	*	*	*	*	6	*	6	11	12
	Hualapai Nation	10†	0	0	0	0	0	0	*	*	0	0	*
	Navajo Nation	280†	12	*	*	9	16	13	25	30	39	70	63
	Pascua Yaqui Tribe	10†	0	0	0	0	0	*	0	*	*	0	*
	Salt River Pima-Maricopa Indian Community	30†	*	0	0	*	*	*	*	7	8	*	*
	San Carlos Apache Tribe	50†	*	0	0	0	*	7	8	*	9	8	*
	Tohono O'Odham Nation	40†	0	0	0	0	*	*	6	6	9	*	*
	White Mountain Apache Tribe	60†	*	0	*	6	*	*	9	10	*	9	7
	Yavapai-Apache Nation	0†	0	0	0	0	0	0	0	0	*	0	*
	TOTAL	530†	10†	10†	10†	10†	10†	10†	10†	10†	10†	10†	10†
Resided off reservation	---in Maricopa County	80†	*	0	0	0	*	9	10	17	21	7	9
	---in Pima County	40†	*	0	0	*	*	*	*	9	7	9	6
	---in Coconino County	20†	0	0	0	*	*	*	*	0	*	6	*
	---elsewhere in Arizona	110†	*	0	0	*	6	8	17	15	14	24	24
		TOTAL	251	10†	0	0	10†	10†	20†	30†	41	40†	46

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, 2011

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Total, all causes	1,703	1,015	766
Salmonella infections	0	0	0
Shigellosis and amebiasis	0	0	0
Certain other intestinal infections	10†	*	8
Enterocolitis due to Clostridium difficile	10†	*	6
Tuberculosis	0†	*	*
Respiratory tuberculosis	0†	*	*
Other tuberculosis	0	0	0
Whooping cough	0	0	0
Scarlet fever and erysipelas	0	0	0
Meningococcal infection	0	0	0
Septicemia	34	13	21
Syphilis	0	0	0
Acute poliomyelitis	0	0	0
Arthropod-borne encephalitis	0	0	0
Measles	0	0	0
Viral hepatitis	0†	*	*
Human immunodeficiency virus (HIV) disease	6	6	0
Malaria	0	0	0
Other and unspecified infectious and parasitic diseases	10†	7	*
Malignant neoplasms	202	98	104
Malignant neoplasm of lip, oral cavity and pharynx	0†	*	0
Malignant neoplasm of esophagus	0†	*	*
Malignant neoplasm of stomach	18	8	10
Malignant neoplasm of colon, rectum and anus	22	14	8
Malignant neoplasm of liver and intrahepatic bile ducts	26	18	8
Malignant neoplasm of pancreas	20†	*	12
Malignant neoplasm of larynx	0†	0	*
Malignant neoplasm of trachea, bronchus and lung	10†	10	*
Malignant melanoma of skin	0†	*	0
Malignant neoplasm of breast	9	0	9
Malignant neoplasm of cervix uteri	0†	0	*
Malignant neoplasm of corpus uteri and uterus, part unspecified	0†	0	*
Malignant neoplasm of ovary	10	0	10
Malignant neoplasm of prostate	11	11	0
Malignant neoplasm of kidney and renal pelvis	10†	8	*
Malignant neoplasm of bladder	10†	*	*

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Malignant neoplasm of meninges, brain and other parts of CNS	0†	*	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	*	8
Hodgkin's disease	0†	*	0
Non-Hodgkin's lymphoma	0†	0	*
Leukemia	10†	*	*
Multiple myeloma and immunoproliferative neoplasms	0†	*	*
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0
All other and unspecified malignant neoplasm	27	11	16
In situ neoplasms	0†	*	*
Anemias	0†	0	*
Diabetes	129	50	79
Nutritional deficiencies	0†	*	*
Malnutrition	0†	*	*
Other nutritional deficiencies	0	0	0
Obesity	10†	*	*
Meningitis	0†	0	*
Parkinson's disease	20†	10	*
Alzheimer's disease	26	8	18
Major cardiovascular diseases	282	146	136
Diseases of heart	215	122	93
Acute rheumatic fever and chronic rheumatic heart disease	0†	0	*
Hypertensive heart disease	10†	6	*
Hypertensive heart and renal disease	0†	*	*
Ischemic heart disease	146	93	53
Acute myocardial infarction	46	33	13
Other acute ischemic heart disease	0†	*	*
Other forms of chronic ischemic heart disease	98	59	39
Atherosclerotic cardiovascular disease	30	24	6
All other forms of chronic ischemic heart disease	68	35	33
Other heart diseases	58	22	36
Acute and subacute endocarditis	0†	*	0
Diseases of pericardium and acute myocarditis	0†	0	*
Heart failure	20†	*	10
All other forms of heart disease	41	16	25
Essential (primary) hypertension and hypertensive renal disease	10†	*	11
Cerebrovascular diseases	49	18	31

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

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	0	0
Other disease of arteries, arterioles and capillaries	0†	*	*
Other disorders of circulatory system	0†	*	0
Influenza and pneumonia	49	33	16
Influenza	0†	*	0
Pneumonia	47	31	16
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	25	10	15
Bronchitis, chronic and unspecified	0	0	0
Emphysema	0	0	0
Asthma	0†	*	*
Other chronic lower respiratory diseases	22	9	13
Pneumoconioses and chemical effects	0†	*	0
Pneumonitis due to solids and liquids	10†	*	7
Other disease of respiratory system	30	12	18
Peptic ulcer	0†	*	*
Diseases of appendix	0†	*	0
Hernia	0†	0	*
Chronic liver disease and cirrhosis	122	63	59
Alcoholic liver disease	101	56	45
Other chronic liver disease and cirrhosis	21	7	14
Cholelithiasis and other disorders of gallbladder	10†	*	*
Nephritis, nephrotic syndrome and nephrosis	29	15	14
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0
Chronic glomerulonephritis	0	0	0
Renal failure	29	15	14
Others disorders of kidney	0	0	0
Infections of kidney	0	0	0
Hyperplasia of prostate	0†	*	0
Inflammatory diseases of female pelvic organs	0	0	0
Pregnancy, childbirth and the puerperium	0	0	0

5.4 (continued)
DEATHS BY GENDER FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Pregnancy with abortive outcome	0	0	0
Other complications of pregnancy, childbirth and the puerperium	0	0	0
Perinatal conditions	17	8	9
Congenital anomalies, deformations and chromosomal abnormalities	10†	*	6
Symptoms, signs, abnormal findings	47	31	16
Total accidents	299	214	85
Transport accidents	153	112	41
Motor vehicle accidents	147	107	40
Other land transport accidents	0†	*	0
Water, air, space	0†	*	*
Nontransport accidents	146	102	44
Falls	29	14	15
Accidental discharge of firearms	0	0	0
Accidental drowning and submersion	7	7	0
Accidental exposure to smoke, fire and flames	0†	*	0
Accidental poisoning	75	54	21
Excessive natural heat	10†	*	*
Excessive natural cold	9	9	0
Other and unspecified nontransport accidents	34	26	8
Intentional self-harm (suicide)	56	45	11
By discharge of firearms	13	13	0
By other means	43	32	11
Assault (homicide)	43	34	9
By discharge of firearms	20†	13	*
By other means	30†	21	*
Legal intervention	0	0	0
Events of undetermined intent	10†	*	8
Discharge of firearms	0†	*	0
Other and unspecified events of undetermined intent	10†	*	8
Operations of war	0†	*	0
Complications of medical and surgical care	0	0	0
INJURY BY FIREARMS	30†	28	*
DRUG-INDUCED DEATHS	32	19	13
ALCOHOL-INDUCED DEATHS	191	123	68

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, 2011

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total, all causes	1,703	47	14	9	102	147	170	301	269	255	253	214
Salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	10†	0	0	0	0	0	0	*	*	*	*	*
Enterocolitis due to Clostridium difficile	10†	0	0	0	0	0	0	*	*	0	*	0
Tuberculosis	0†	0	0	0	0	0	*	0	*	0	0	0
Respiratory tuberculosis	0†	0	0	0	0	0	*	0	*	0	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	30†	*	0	0	0	0	*	6	8	6	*	6
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	0†	0	0	0	0	0	*	0	0	0	0	0
Human immunodeficiency virus (HIV) disease	10†	0	0	0	0	*	*	*	0	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	10†	*	*	0	0	*	*	0	*	0	0	*
Malignant neoplasms	200†	0	0	*	*	*	*	26	42	57	42	25
Malignant neoplasm of lip, oral cavity and pharynx	0†	0	0	0	0	0	0	0	*	0	0	0
Malignant neoplasm of esophagus	0†	0	0	0	0	0	0	0	*	*	*	*
Malignant neoplasm of stomach	20†	0	0	0	0	0	0	*	*	9	*	*
Malignant neoplasm of colon, rectum and anus	20†	0	0	0	0	0	0	6	*	9	0	*
Malignant neoplasm of liver and intrahepatic bile ducts	30†	0	0	0	0	*	0	*	9	8	*	0
Malignant neoplasm of pancreas	20†	0	0	0	0	0	0	*	*	*	7	*
Malignant neoplasm of larynx	0†	0	0	0	0	0	0	0	0	*	0	0
Malignant neoplasm of trachea, bronchus and lung	10†	0	0	0	0	0	0	*	*	*	6	*
Malignant melanoma of skin	0†	0	0	0	0	0	0	0	0	0	*	0
Malignant neoplasm of breast	10†	0	0	0	0	0	*	*	*	*	*	0
Malignant neoplasm of cervix uteri	0†	0	0	0	0	0	0	*	0	0	*	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	0†	0	0	0	0	*	0	*	0	0	*	0
Malignant neoplasm of ovary	10†	0	0	0	0	0	0	*	*	*	0	0
Malignant neoplasm of prostate	10†	0	0	0	0	0	0	0	*	*	*	*

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

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	10†	0	0	0	0	0	0	0	*	6	*	*
Malignant neoplasm of bladder	10†	0	0	0	0	0	0	0	*	*	*	*
Malignant neoplasm of meninges, brain and other parts of CNS	0†	0	0	*	0	0	*	0	*	0	0	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	0	0	0	*	*	*	*	0	*	*	*
Hodgkin's disease	0†	0	0	0	0	0	0	0	0	0	*	0
Non-Hodgkin's lymphoma	0†	0	0	0	0	*	0	0	0	0	0	0
Leukemia	10†	0	0	0	*	*	*	*	0	*	*	*
Multiple myeloma and immunoproliferative neoplasms	0†	0	0	0	0	0	0	*	0	*	*	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	30†	0	0	0	0	*	0	*	*	8	*	8
In situ neoplasms	0†	0	0	0	0	0	0	0	*	*	0	*
Anemias	0†	0	0	0	0	0	0	*	0	0	0	0
Diabetes	130†	0	0	0	0	*	10	20	24	38	18	15
Nutritional deficiencies	0†	0	0	0	0	0	0	0	0	*	*	*
Malnutrition	0†	0	0	0	0	0	0	0	0	*	*	*
Other nutritional deficiencies	0	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	0	0
Parkinson's disease	20†	0	0	0	0	0	0	0	*	*	*	*
Alzheimer's disease	30†	0	0	0	0	0	0	0	0	*	10	12
Major cardiovascular diseases	280†	*	0	*	*	*	15	29	47	58	77	46
Diseases of heart	220†	*	0	0	*	*	11	24	41	41	57	32
Acute rheumatic fever and chronic rheumatic heart disease	0†	0	0	0	0	0	0	*	0	0	0	0
Hypertensive heart disease	10†	0	0	0	*	0	0	*	*	*	0	*
Hypertensive heart and renal disease	0†	0	0	0	0	0	0	0	0	*	0	*
Ischemic heart disease	150†	0	0	0	0	*	8	14	33	27	42	20
Acute myocardial infarction	50†	0	0	0	0	*	*	*	11	12	12	*
Other acute ischemic heart disease	0†	0	0	0	0	0	*	0	*	0	0	0
Other forms of chronic ischemic heart disease	100†	0	0	0	0	0	*	12	21	15	30	16
Atherosclerotic cardiovascular disease	30†	0	0	0	0	0	*	*	9	*	10	*
All other forms of chronic ischemic heart disease	70†	0	0	0	0	0	*	7	12	12	20	15
Other heart diseases	60†	*	0	0	*	*	*	7	7	10	15	10
Acute and subacute endocarditis	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
Heart failure	20†	0	0	0	0	0	0	0	*	*	7	*
All other forms of heart disease	40†	*	0	0	*	*	*	6	*	7	8	7

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

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	10†	0	0	0	0	0	*	*	*	7	*	*
Cerebrovascular diseases	50†	0	0	*	0	0	*	*	*	9	19	12
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	*	*	0	0
Aortic aneurysm and dissection	0	0	0	0	0	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	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
Influenza and pneumonia	50†	0	0	0	*	*	*	*	*	7	8	20
Influenza	0†	0	0	0	0	*	0	0	0	*	0	0
Pneumonia	50†	0	0	0	*	0	*	*	*	6	8	20
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	0	6	*	6	8
Bronchitis, chronic and unspecified	0	0	0	0	0	0	0	0	0	0	0	0
Emphysema	0	0	0	0	0	0	0	0	0	0	0	0
Asthma	0†	0	*	0	0	0	0	0	*	0	*	0
Other chronic lower respiratory diseases	20†	0	0	0	0	0	0	0	*	*	*	8
Pneumoconioses and chemical effects	0†	0	0	0	0	0	0	0	0	0	*	0
Pneumonitis due to solids and liquids	10†	0	0	0	0	0	0	0	*	*	*	*
Other disease of respiratory system	30†	*	0	0	0	*	0	*	*	7	*	10
Peptic ulcer	0†	0	0	0	0	0	0	*	0	*	*	0
Diseases of appendix	0†	0	0	0	0	0	0	0	0	0	*	0
Hernia	0†	0	0	0	0	0	*	0	0	0	0	*
Chronic liver disease and cirrhosis	120†	0	0	0	*	13	27	39	28	7	*	*
Alcoholic liver disease	100†	0	0	0	*	12	25	33	24	*	*	0
Other chronic liver disease and cirrhosis	20†	0	0	0	0	*	*	6	*	*	*	*
Cholelithiasis and other disorders of gallbladder	10†	0	0	0	0	0	0	*	0	*	*	*
Nephritis, nephrotic syndrome and nephrosis	30†	0	0	0	0	0	*	*	8	7	8	*
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	30†	0	0	0	0	0	*	*	8	7	8	*
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasia of prostate	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, 2011

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0
Other complications of pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	0	0	0	0	0
Perinatal conditions	17	17	0	0	0	0	0	0	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	10†	*	0	*	0	*	*	*	0	0	0	0
Symptoms, signs, abnormal findings	50†	6	0	*	*	*	10	8	*	*	*	9
Total accidents	300†	*	*	*	51	61	47	48	34	21	17	9
Transport accidents	150†	*	*	*	34	40	20	21	14	9	6	*
Motor vehicle accidents	150†	*	*	*	34	39	19	21	13	8	*	*
Other land transport accidents	0†	0	0	0	0	0	0	0	*	*	*	0
Water, air, space	0†	0	0	*	0	*	*	0	0	0	0	0
Nontransport accidents	150†	*	*	0	17	21	27	27	20	12	11	8
Falls	30†	*	0	0	*	0	*	*	*	6	8	6
Accidental discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	10†	*	0	0	0	*	*	*	*	0	0	0
Accidental exposure to smoke, fire and flames	0†	0	0	0	0	0	0	0	*	0	0	0
Accidental poisoning	80†	0	*	0	12	13	19	17	9	*	0	0
Excessive natural heat	10†	0	0	0	0	*	*	0	*	0	0	*
Excessive natural cold	10†	0	0	0	*	*	*	*	*	0	*	0
Other and unspecified nontransport accidents	30†	0	0	0	*	7	*	6	6	*	*	*
Intentional self-harm (suicide)	60†	0	0	*	25	9	13	6	*	0	0	0
By discharge of firearms	10†	0	0	0	7	*	*	*	0	0	0	0
By other means	40†	0	0	*	18	7	10	*	*	0	0	0
Assault (homicide)	40†	*	*	0	10	10	11	7	*	0	0	0
By discharge of firearms	20†	*	0	0	*	*	6	*	*	0	0	0
By other means	30†	*	*	0	7	6	*	*	0	0	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
Other and unspecified events of undetermined intent	10†	*	0	0	*	*	*	*	*	0	0	0
Operations of war	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
INJURY BY FIREARMS	30†	*	0	0	10	7	9	*	*	0	0	0
DRUG-INDUCED DEATHS	30†	0	0	0	*	8	9	6	*	0	0	0
ALCOHOL-INDUCED DEATHS	190†	0	0	0	10	27	46	56	37	11	*	0

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

5.6

DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

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 Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima - Maricopa Indian San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total	
Total, all causes	1,703	0†	10†	10†	10†	0†	20†	0†	100†	10†	650†	10†	50†	80†	70†	110†	0†	1,140†	180†	90†	50†	240†	563
Salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	10†	0	0	0	*	0	0	0	*	0	*	0	0	0	0	0	0	10†	*	0	*	*	0†
Enterocolitis due to Clostridium difficile	10†	0	0	0	*	0	0	0	*	0	*	0	0	0	0	0	0	0†	*	0	*	*	0†
Tuberculosis	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	*	0	0	0	0†
Respiratory tuberculosis	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
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	30†	0	*	0	0	0	0	0	*	*	15	*	*	*	*	*	0	30†	*	0	0	*	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
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0†
Human immunodeficiency virus (HIV) disease	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	*	*	10†
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	10†	0	*	0	0	0	0	0	0	0	*	0	0	*	0	*	0	10†	*	*	0	*	0†
Malignant neoplasms	202	0	0	*	*	0	*	0	16	0	70	*	*	15	8	11	0	130†	28	13	*	26	70†
Malignant neoplasm of lip, oral cavity and pharynx	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0†
Malignant neoplasm of esophagus	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	*	*	0†
Malignant neoplasm of stomach	20†	0	0	0	0	0	0	0	*	0	9	0	0	*	0	*	0	20†	*	*	0	*	0†
Malignant neoplasm of colon, rectum and anus	22	0	0	0	0	0	0	0	*	0	6	0	0	*	0	*	0	10†	8	*	0	*	10†
Malignant neoplasm of liver and intrahepatic bile ducts	26	0	0	*	0	0	0	0	*	0	7	0	*	*	*	0	0	10†	*	*	0	*	10†
Malignant neoplasm of pancreas	16	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†
Malignant neoplasm of trachea, bronchus and lung	10†	0	0	*	*	0	0	0	0	0	6	0	0	0	0	*	0	10†	*	0	*	*	10†
Malignant melanoma of skin	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0†	0	0	0	0	0
Malignant neoplasm of breast	10†	0	0	0	0	0	0	0	*	0	*	0	0	*	0	0	0	10†	*	*	0	*	0†
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
Malignant neoplasm of corpus uteri and uterus, part unspecified	0†	0	0	0	0	0	*	0	0	0	*	0	0	0	0	0	0	0†	0	*	0	0	0†
Malignant neoplasm of ovary	10†	0	0	0	*	0	0	0	*	0	0	0	0	*	0	*	0	10†	*	0	0	*	0†
Malignant neoplasm of prostate	10†	0	0	0	0	0	0	0	*	0	6	0	0	0	0	0	0	10†	*	*	0	*	0†
Malignant neoplasm of kidney and renal pelvis	10†	0	0	0	0	0	*	0	*	0	*	*	0	*	0	0	0	10†	0	0	0	*	0†

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

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	Fort Mohave Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima - Maricopa Indian San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Malignant neoplasm of bladder	10†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	*	0	0	*	0†
Malignant neoplasm of meninges, brain and other parts of CNS	0†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0†	*	*	0	0	0†
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	0	0	*	0	0	0	0	0	*	0	0	*	0	*	0	10†	*	*	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
Non-Hodgkin's lymphoma	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	0	0	0
Leukemia	10†	0	0	*	0	0	0	0	0	*	0	0	0	0	*	0	0†	*	0	0	*	0†
Multiple myeloma and immunoproliferative neoplasms	0†	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0†	0	*	0	*	0†
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
All other and unspecified malignant neoplasm	30†	0	0	*	0	0	0	0	*	0	11	*	0	*	*	*	20†	*	*	0	*	0†
In situ neoplasms	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	0†
Anemias	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	0	0	0
Diabetes	129	0	0	*	*	0	0	0	*	0	31	*	9	6	6	9	70†	26	8	*	22	60†
Nutritional deficiencies	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	0	0	0	*	0†
Malnutrition	0†	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
Obesity	10†	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
Parkinson's disease	20†	0	0	0	0	0	0	0	0	11	0	0	*	*	0	0	10†	*	0	0	*	0†
Alzheimer's disease	26	0	0	0	0	0	*	0	0	6	0	0	*	*	*	0	10†	6	*	*	*	10†
Major cardiovascular diseases	282	*	*	*	0	0	*	*	17	*	113	*	7	9	12	16	190†	19	18	9	45	91
Diseases of heart	215	0	0	*	0	0	*	0	14	*	87	*	*	9	8	14	150†	13	14	8	32	67
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
Hypertensive heart disease	10†	0	0	0	0	0	0	0	0	*	*	0	0	0	0	0	0†	0	*	*	*	0†
Hypertensive heart and renal disease	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	*	0†
Ischemic heart disease	146	0	0	*	0	0	*	0	10	0	54	*	*	7	*	7	90†	11	9	*	27	50†
Acute myocardial infarction	46	0	0	0	0	0	0	0	6	0	19	0	*	*	*	0	30†	*	*	0	7	10†
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†
Other forms of chronic ischemic heart disease	98	0	0	*	0	0	*	0	*	0	35	*	*	*	*	*	60†	8	6	*	19	40†
Atherosclerotic cardiovascular disease	30	0	0	*	0	0	*	0	*	0	11	0	0	*	0	0	20†	*	0	*	6	10†
All other forms of chronic ischemic heart disease	68	0	0	*	0	0	*	0	*	0	24	*	*	*	*	*	40†	*	6	*	13	30†
Other heart diseases	58	0	0	*	0	0	0	0	*	0	30	0	*	*	*	6	50†	*	*	*	*	10†
Acute and subacute endocarditis	0†	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0†	0	0	0	0	0
Diseases of pericardium and acute myocarditis	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0†	0	0	0	0	0
Heart failure	15	0	0	0	0	0	0	0	*	0	11	0	0	*	*	0	20†	0	0	0	0	0
All other forms of heart disease	41	0	0	*	0	0	0	0	*	0	19	0	*	*	*	6	30†	*	*	*	*	10†

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

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	Fort Mohave Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima - Maricopa Indian 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	
Essential (primary) hypertension and hypertensive renal disease	14	0	0	0	0	0	0	0	0	0	*	0	*	0	*	*	0	10†	*	*	0	*	10†
Cerebrovascular diseases	49	*	*	0	0	0	0	*	*	*	22	0	*	0	*	*	*	30†	*	*	*	10	20†
Atherosclerosis	0†	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0†	0	0	0	0	0
Other diseases of circulatory system	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	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
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	0†
Influenza and pneumonia	49	0	0	0	0	0	0	0	*	0	29	0	*	*	*	*	0	40†	*	*	*	*	10†
Influenza	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0†	*	0	0	0	0†
Pneumonia	47	0	0	0	0	0	0	0	*	0	28	0	*	*	*	*	0	40†	0	*	*	*	10†
Other acute lower respiratory infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute bronchiolitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified acute lower respiratory infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	25	0	0	0	0	0	*	0	0	*	10	0	*	0	*	*	0	20†	*	*	0	*	10†
Bronchitis, chronic and unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emphysema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asthma	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	22	0	0	0	0	0	*	0	0	0	9	0	*	0	*	*	0	10†	*	*	0	*	10†
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†
Pneumonitis due to solids and liquids	10†	0	0	0	0	0	0	0	*	0	*	0	0	*	*	*	0	10†	*	*	0	*	10†
Other disease of respiratory system	30	0	0	0	0	0	0	0	*	0	16	0	*	*	0	0	0	20†	*	0	*	*	10†
Peptic ulcer	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0†	*	0	0	0	0†
Diseases of appendix	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0	0†	0	0	0	0	0
Hernia	0†	0	0	0	0	0	0	0	0	0	0	0	0	*	*	0	0	0†	0	0	0	0	0
Chronic liver disease and cirrhosis	122	*	0	*	*	0	*	0	*	*	39	*	*	8	*	10	0	80†	15	6	*	22	50†
Alcoholic liver disease	101	0	0	*	*	0	*	0	*	*	33	*	*	8	*	8	0	70†	11	*	*	19	40†
Other chronic liver disease and cirrhosis	21	*	0	0	0	0	0	0	0	0	6	0	0	0	*	*	0	10†	*	*	0	*	10†
Cholelithiasis and other disorders of gallbladder	10†	0	0	0	0	0	0	0	0	0	*	*	0	0	0	0	0	0†	*	*	0	0	0†
Nephritis, nephrotic syndrome and nephrosis	29	*	0	0	0	0	0	0	*	0	10	*	*	*	*	*	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
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	29	*	0	0	0	0	0	0	*	0	10	*	*	*	*	*	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
Infections of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

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	Fort Mohave Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima - Maricopa Indian San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total
Hyperplasia of prostate	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	0	0	0	0	0
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
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
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	20†	0	*	0	0	*	0	0	*	0	*	0	*	*	0	*	20†	*	0	0	0	0†
Congenital anomalies, deformations and chromosomal abnormalities	10†	0	0	0	0	0	0	0	0	0	*	0	0	*	0	0	10†	*	*	0	*	0†
Symptoms, signs, abnormal findings	47	0	0	0	0	0	0	0	*	0	22	0	0	*	0	*	30†	7	*	*	8	20†
Total accidents	299	0	*	0	*	0	*	*	19	*	119	*	9	8	15	23	210†	36	*	12	42	90†
Transport accidents	153	0	0	0	0	0	*	*	9	0	66	0	7	*	10	11	110†	13	*	6	21	40†
Motor vehicle accidents	147	0	0	0	0	0	*	*	9	0	63	0	7	*	9	11	110†	12	*	6	20	40†
Other land transport accidents	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	*	0	0	0	0†
Water, air, space	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	*	0	0†	0	0	0	*	0†
Nontransport accidents	146	0	*	0	*	0	0	0	10	*	53	*	*	*	*	12	100†	23	*	6	21	50†
Falls	29	0	0	0	0	0	0	0	6	*	11	0	0	0	0	*	20†	*	0	*	*	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
Accidental drowning and submersion	10†	0	0	0	0	0	0	0	0	*	0	0	0	0	*	0	0†	*	0	0	*	0†
Accidental exposure to smoke, fire and flames	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0†	0	0	0	0	0
Accidental poisoning	75	0	*	0	*	0	0	0	*	*	25	*	*	*	*	9	50†	13	*	*	8	30†
Excessive natural heat	10†	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	0	*	0	0	*	0	*	10†	0	0	*	*	0†
Other and unspecified nontransport accidents	34	0	0	0	0	0	0	0	0	0	16	*	0	*	*	*	20†	*	0	*	7	10†
Intentional self-harm (suicide)	56	0	0	0	*	0	0	0	*	0	30	0	0	*	*	*	40†	*	*	*	6	10†
By discharge of firearms	10†	0	0	0	*	0	0	0	0	0	9	0	0	*	0	0	10†	*	0	*	0	0†
By other means	43	0	0	0	0	0	0	0	*	0	21	0	0	*	*	*	30†	*	*	*	6	10†
Assault (homicide)	43	0	0	0	0	0	*	0	*	0	15	0	*	*	*	*	30†	*	*	*	7	20†
By discharge of firearms	18	0	0	0	0	0	0	0	*	0	7	0	0	*	*	0	10†	*	0	0	*	10†
By other means	25	0	0	0	0	0	*	0	*	0	8	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
Events of undetermined intent	10†	0	0	0	0	0	0	0	*	0	*	0	0	0	*	*	10†	0	*	*	*	0†
Discharge of firearms	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	*	*	10†	0	*	*	0	0†
Operations of war	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	0	0	0†
Complications of medical and surgical care	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURY BY FIREARMS	33	0	0	0	*	0	0	0	*	0	16	0	0	*	*	0	20†	*	0	*	*	10†
DRUG-INDUCED DEATHS	32	0	0	0	*	0	0	0	*	*	8	*	*	0	*	*	20†	9	*	0	*	20†
ALCOHOL-INDUCED DEATHS	191	*	*	*	*	0	*	*	*	*	70	*	8	15	*	20	130†	19	*	6	29	60†

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

5.7

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total, all causes	1,700†	420	*	214	79	12	0	21	255	24	357	161	102	0	17	13	27
Salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	10†	*	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0
Enterocolitis due to Clostridium difficile	10†	0	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0
Tuberculosis	0†	*	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Respiratory tuberculosis	0†	*	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	30†	11	0	6	*	0	0	0	*	*	*	*	*	0	0	*	*
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Human immunodeficiency virus (HIV) disease	10†	0	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	10†	*	0	0	*	0	0	0	*	0	*	*	0	0	0	*	*
Malignant neoplasms	200†	56	0	15	14	*	0	*	35	*	39	21	11	0	0	0	*
Malignant neoplasm of lip, oral cavity and pharynx	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Malignant neoplasm of esophagus	0†	*	0	*	0	0	0	0	0	0	*	0	*	0	0	0	0
Malignant neoplasm of stomach	20†	6	0	*	*	0	0	0	*	0	*	*	0	0	0	0	0
Malignant neoplasm of colon, rectum and anus	20†	6	0	*	*	0	0	0	8	0	*	*	*	0	0	0	0
Malignant neoplasm of liver and intrahepatic bile ducts	30†	6	0	*	*	0	0	*	*	0	*	*	*	0	0	0	*
Malignant neoplasm of pancreas	20†	*	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
Malignant neoplasm of trachea, bronchus and lung	10†	*	0	*	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	10†	*	0	*	0	*	0	0	*	*	*	*	0	0	0	0	0
Malignant neoplasm of cervix uteri	0†	*	0	0	*	0	0	0	0	0	*	0	0	0	0	0	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	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
Malignant neoplasm of prostate	10†	*	0	*	0	0	0	0	*	0	*	*	0	0	0	0	0
Malignant neoplasm of kidney and renal pelvis	10†	*	0	*	*	0	0	0	*	0	*	*	0	0	0	0	0
Malignant neoplasm of bladder	10†	*	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, 2011

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Malignant neoplasm of meninges, brain and other parts of CNS	0†	*	0	0	*	0	0	0	*	0	0	*	0	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10†	*	0	*	*	0	0	*	*	0	*	*	*	0	0	0	0
Hodgkin's disease	0†	0	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Leukemia	10†	0	0	*	0	0	0	*	*	0	*	0	*	0	0	0	0
Multiple myeloma and immunoproliferative neoplasms	0†	*	0	0	*	0	0	0	0	0	0	*	*	0	0	0	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	30†	11	0	*	*	0	0	*	*	0	6	*	0	0	0	0	*
In situ neoplasms	0†	*	0	*	0	0	0	0	0	0	0	0	*	0	0	0	0
Anemias	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diabetes	130†	27	0	*	6	0	0	*	37	0	21	15	9	0	*	0	*
Nutritional deficiencies	0†	*	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Malnutrition	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
Obesity	10†	0	0	*	0	0	0	0	*	0	*	*	*	0	0	0	0
Meningitis	0†	0	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	20†	*	0	*	*	0	0	0	*	0	*	*	0	0	*	0	0
Alzheimer's disease	30†	*	0	*	*	*	0	0	7	0	6	*	*	0	0	0	*
Major cardiovascular diseases	280†	60	0	36	8	*	0	6	29	6	79	29	15	0	*	*	6
Diseases of heart	220†	49	0	25	8	*	0	6	20	*	59	22	12	0	*	0	*
Acute rheumatic fever and chronic rheumatic heart disease	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Hypertensive heart disease	10†	*	0	*	0	0	0	0	0	*	*	*	*	0	0	0	0
Hypertensive heart and renal disease	0†	0	0	*	0	0	0	0	0	0	0	*	0	0	0	0	0
Ischemic heart disease	150†	33	0	13	6	*	0	*	16	*	38	14	10	0	*	0	*
Acute myocardial infarction	50†	15	0	*	*	0	0	*	*	*	14	*	0	0	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	100†	18	0	10	*	*	0	*	12	*	24	9	10	0	*	0	*
Atherosclerotic cardiovascular disease	30†	6	0	6	*	0	0	*	*	0	*	0	*	0	*	0	0
All other forms of chronic ischemic heart disease	70†	12	0	*	*	*	0	*	7	*	20	9	7	0	0	0	*
Other heart diseases	60†	14	0	10	*	0	0	*	*	0	19	6	*	0	0	0	*
Acute and subacute endocarditis	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
Heart failure	20†	8	0	*	*	0	0	0	0	0	*	*	0	0	0	0	0
All other forms of heart disease	40†	6	0	9	*	0	0	*	*	0	15	*	*	0	0	0	*
Essential (primary) hypertension and hypertensive renal disease	10†	*	0	0	0	0	0	0	*	0	*	*	*	0	0	*	0
Cerebrovascular diseases	50†	10	0	11	0	0	0	0	*	*	14	*	*	0	*	*	*

5.7 (continued)
DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

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	0
Aortic aneurysm and dissection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	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
Influenza and pneumonia	50†	18	0	8	0	*	0	0	*	0	12	*	*	0	0	0	*
Influenza	0†	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0
Pneumonia	50†	18	0	7	0	*	0	0	*	0	12	*	*	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	0	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	0	0
Asthma	0†	*	0	0	0	0	0	0	*	*	0	0	0	0	0	0	0
Other chronic lower respiratory diseases	20†	*	0	*	0	0	0	0	6	*	*	*	*	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	10†	*	0	*	*	0	0	0	*	0	6	*	0	0	0	0	0
Other disease of respiratory system	30†	7	0	8	*	0	0	0	*	0	6	0	*	0	*	0	*
Peptic ulcer	0†	*	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Diseases of appendix	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*
Hernia	0†	0	0	0	*	0	0	0	0	0	0	*	0	0	0	0	0
Chronic liver disease and cirrhosis	120†	25	0	9	9	0	0	*	22	*	26	12	13	0	0	0	*
Alcoholic liver disease	100†	21	0	8	9	0	0	*	18	*	22	7	10	0	0	0	*
Other chronic liver disease and cirrhosis	20†	*	0	*	0	0	0	0	*	0	*	*	*	0	0	0	0
Cholelithiasis and other disorders of gallbladder	10†	*	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Nephritis, nephrotic syndrome and nephrosis	30†	*	*	*	6	0	0	0	*	0	*	6	*	0	0	0	0
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renal failure	30†	*	*	*	6	0	0	0	*	0	*	6	*	0	0	0	0
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasia of prostate	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2011

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Other complications of pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perinatal conditions	20†	*	0	0	*	*	0	0	*	*	6	0	0	0	0	*	0
Congenital anomalies, deformations and chromosomal abnormalities	10†	*	0	*	*	0	0	0	*	0	*	*	*	0	0	0	0
Symptoms, signs, abnormal findings	50†	14	0	8	*	0	0	0	7	0	10	*	*	0	*	0	0
Total accidents	300†	76	0	45	7	*	0	*	49	7	66	19	17	0	*	*	*
Transport accidents	150†	42	0	25	*	*	0	*	23	0	33	12	10	0	0	*	*
Motor vehicle accidents	150†	42	0	22	*	*	0	*	22	0	33	11	10	0	0	*	*
Other land transport accidents	0†	0	0	*	0	0	0	0	*	0	0	0	0	0	0	0	0
Water, air, space	0†	0	0	*	0	0	0	0	0	0	0	*	0	0	0	*	0
Nontransport accidents	150†	34	0	20	6	0	0	0	26	7	33	7	7	0	*	*	*
Falls	30†	8	0	6	*	0	0	0	*	*	6	0	*	0	0	*	0
Accidental discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	10†	0	0	0	0	0	0	0	*	*	*	*	*	0	0	0	0
Accidental exposure to smoke, fire and flames	0†	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accidental poisoning	80†	11	0	10	*	0	0	0	16	*	23	*	*	0	*	*	*
Excessive natural heat	10†	*	0	*	0	0	0	0	0	*	0	*	0	0	0	0	*
Excessive natural cold	10†	*	0	*	*	0	0	0	0	0	*	0	*	0	0	0	0
Other and unspecified nontransport accidents	30†	14	0	*	*	0	0	0	*	*	*	*	*	0	0	0	*
Intentional self-harm (suicide)	60†	22	0	9	*	*	0	0	*	*	12	*	*	0	0	0	0
By discharge of firearms	10†	*	0	*	*	0	0	0	*	0	*	0	0	0	0	0	0
By other means	40†	18	0	6	0	*	0	0	*	*	9	*	*	0	0	0	0
Assault (homicide)	40†	8	0	9	*	0	0	*	7	0	*	*	*	0	*	0	0
By discharge of firearms	20†	*	0	*	*	0	0	0	*	0	*	*	*	0	*	0	0
By other means	30†	*	0	6	*	0	0	*	*	0	*	*	*	0	0	0	0
Legal intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Events of undetermined intent	10†	0	0	*	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
Other and unspecified events of undetermined intent	10†	0	0	*	0	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
Complications of medical and surgical care	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURY BY FIREARMS	30†	8	0	6	*	0	0	0	*	0	*	*	*	0	*	0	0
DRUG-INDUCED DEATHS	30†	*	0	*	0	0	0	0	11	*	*	*	*	0	*	0	0
ALCOHOL-INDUCED DEATHS	190†	44	0	21	15	*	0	*	29	*	48	9	13	0	*	*	*

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

5.8

DEATHS FROM MOTOR VEHICLE-RELATED INJURIES AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP, ARIZONA, 2011

	TOTAL	Resided on reservation									Resided off reservation					
		Ak-Chin Indian Community	Hopi Tribe	Navajo Nation	Pasqua Yaqui Tribe	San Carlos Apache Tribe	San Xavier	Tohono O'Odham Nation	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL	
TOTAL	ALL AGES	147	0†	0†	10†	60†	10†	0†	10†	10†	110†	10†	0†	10†	20†	40†
	<1	0†	0	0	0	0	0	0	0	*	0†	0	0	0	0	0†
	1-4	0†	0	0	*	0	0	0	0	0	0†	0	0	0	*	0†
	5-14	0†	0	0	0	*	0	0	0	*	0†	0	0	0	0	0†
	15-24	34	0	0	*	19	*	*	0	*	30†	0	*	*	*	10†
	25-34	39	*	0	*	18	*	*	*	*	30†	*	0	*	*	10†
	35-44	19	*	0	0	6	0	0	*	0	10†	*	0	*	*	10†
	45-54	20†	0	0	*	7	*	*	*	*	20†	*	0	0	*	10†
	55-64	10†	*	*	*	*	0	0	*	0	10†	*	0	0	*	0†
	65-74	10†	*	0	0	*	0	0	*	0	10†	0	*	0	*	0†
	75-84	10†	0	0	*	*	0	0	0	*	10†	0	0	0	0	0†
	85+	0†	0	0	0	*	0	0	0	0	0†	0	0	0	0	0†
M	ALL AGES	107	0†	0†	10†	50†	10†	0†	10†	10†	80†	10†	0†	0†	10†	30†
	<1	0†	0	0	0	0	0	0	0	*	0†	0	0	0	0	0†
	1-4	0†	0	0	*	0	0	0	0	0	0†	0	0	0	*	0†
	5-14	0†	0	0	0	*	0	0	0	0	0†	0	0	0	0	0†
	15-24	28	0	0	*	16	*	*	0	*	20†	0	*	*	*	10†
	25-34	24	0	0	*	9	*	0	*	*	20†	*	0	0	*	10†
	35-44	14	*	0	0	*	0	0	*	0	10†	*	0	*	*	10†
	45-54	20†	0	0	*	6	*	0	*	0	10†	*	0	0	*	0†
	55-64	10†	*	*	*	*	0	0	*	0	10†	*	0	0	*	0†
	65-74	10†	0	0	0	*	0	0	0	0	0†	0	*	0	*	0†
	75-84	0†	0	0	*	*	0	0	0	*	0†	0	0	0	0	0†
	85+	0†	0	0	0	*	0	0	0	0	0†	0	0	0	0	0†
F	ALL AGES	40	0†	0	0†	20†	0	0†	0†	0†	30†	0†	0	0†	10†	10†
	<1	0†	0	0	0	0	0	0	0	*	0†	0	0	0	0	0†
	1-4	0†	0	0	0	0	0	0	0	*	0†	0	0	0	0	0†
	5-14	10†	0	0	*	*	0	0	0	0	0†	0	0	*	*	0†
	15-24	20†	*	0	0	9	0	*	0	0	10†	*	0	*	*	0†
	25-34	10†	0	0	0	*	0	0	*	0	0†	0	0	0	*	0†
	35-44	10†	0	0	0	*	0	*	0	*	0†	0	0	0	*	0†
	45-54	0†	0	0	0	0	0	0	*	0	0†	*	0	0	0	0†
	55-64	0†	*	0	0	0	0	0	*	0	0†	0	0	0	0	0†
	75-84	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, 2011

		TOTAL	Resided on reservation						Resided off reservation					
			Hopi Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	San Xavier	Tohono O'odham Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	56	0†	0†	30†	0†	0†	10†	40†	0†	0†	0†	10†	10†
	5-14	0†	0	0	0	0	0	*	0†	0	0	0	0	0
	15-24	25	*	*	11	*	0	*	20†	*	*	*	*	10†
	25-34	10†	0	0	*	0	*	*	10†	*	0	*	0	0†
	35-44	10†	0	0	9	0	0	0	9	*	*	0	*	0†
	45-54	10†	0	*	*	0	0	0	10†	0	0	0	*	0†
	55-64	0†	0	*	*	0	0	0	0†	0	0	0	0	0
M	ALL AGES	45	0†	0†	30†	0†	0†	0†	30†	0†	0	0†	10†	10†
	15-24	20	*	*	10	*	0	0	10†	*	0	*	*	10†
	25-34	10†	0	0	*	0	*	*	10†	*	0	*	0	0†
	35-44	10†	0	0	8	0	0	0	8	*	0	0	*	0†
	45-54	10†	0	*	*	0	0	0	0†	0	0	0	*	0†
	55-64	0†	0	*	*	0	0	0	0†	0	0	0	0	0
F	ALL AGES	11	0	0	0†	0	0	0†	10†	0	0†	0	0†	0†
	5-14	0†	0	0	0	0	0	*	0†	0	0	0	0	0
	15-24	10†	0	0	*	0	0	*	0†	0	*	0	0	0†
	25-34	0†	0	0	*	0	0	0	0†	0	0	0	0	0
	35-44	0†	0	0	*	0	0	0	0†	0	*	0	*	0†
	45-54	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, 2011**

		TOTAL	Resided on reservation							Resided off reservation					
			Colorado River Indian Tribe	Gila River Indian Community	Hopi Tribe	Navajo Nation	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	San Xavier	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	43	0†	0†	20†	0†	0†	0†	0†	30†	0†	0†	0†	10†	20†
	<1	0†	0	0	*	0	0	0	0	0†	0	0	0	*	0†
	1-4	0†	0	0	*	0	0	0	0	0†	0	0	0	0	0
	15-24	10†	0	*	*	0	0	*	0	10†	*	*	*	0	0†
	25-34	10†	0	*	*	0	*	0	*	10†	*	*	0	*	10†
	35-44	10†	*	*	*	0	*	0	0	10†	*	0	0	*	0†
	45-54	10†	*	*	*	*	*	0	0	10†	0	0	0	*	0†
	55-64	0†	0	0	0	0	0	0	0	0	0	0	0	*	0†
M	ALL AGES	34	0†	0†	10†	0†	0†	0†	0†	20†	0†	0†	0†	10†	10†
	1-4	0†	0	0	*	0	0	0	0	0†	0	0	0	0	0
	15-24	10†	0	*	*	0	0	*	0	10†	*	*	*	0	0†
	25-34	10†	0	*	*	0	*	0	*	10†	*	*	0	*	10†
	35-44	10†	*	*	*	0	*	0	0	10†	*	0	0	*	0†
	45-54	0†	*	0	*	*	0	0	0	0†	0	0	0	*	0†
F	ALL AGES	9	0	0†	0†	0	0†	0	0	10†	0	1	0	0†	0†
	<1	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†
	35-44	0†	0	0	*	0	0	0	0	0†	0	0	0	0	0
	45-54	0†	0	*	*	0	*	0	0	0†	0	0	0	0	0
	55-64	0†	0	0	0	0	0	0	0	0	0	0	0	*	0†

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

5.11 (correction)
DIABETES-RELATED DEATHS AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER, AND AGE GROUP,
ARIZONA, 2011

		TOTAL	Resided on reservation													Resided off reservation						
			Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Havasupai Tribe	Hopi Tribe	Hualapai Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai-Apache Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	248	0†	0†	0†	0†	0†	10†	0†	60†	0†	20†	10†	10†	20†	0†	146	40†	20†	10†	50†	102
	25-34	10†	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	10†	*	*	*	*	10†
	45-54	37	*	0	0	0	0	0	0	12	0	*	*	*	*	0	20†	*	*	*	9	20†
	55-64	55	0	0	*	0	0	*	*	9	*	7	*	*	7	0	30†	10	*	0	10	20†
	65-74	66	0	0	*	0	*	*	*	20	0	*	*	*	*	*	40†	11	*	0	9	20†
	75-84	44	0	0	*	0	0	*	0	15	0	*	*	*	*	0	30†	*	*	*	8	20†
	85+	22	0	0	0	*	0	*	0	*	0	*	0	0	*	*	10†	*	*	0	*	10†
M	ALL AGES	111	0†	0†	0†	0†	0	10†	0†	40†	0	10†	0†	0†	10†	0	70	10†	10†	0†	20†	41
	25-34	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	*	0	0†	*	*	*	*	10†
	45-54	24	*	0	0	0	0	0	0	11	0	*	*	*	*	0	20†	*	*	*	*	10†
	55-64	27	0	0	*	0	0	*	*	*	0	*	*	0	*	0	20†	*	*	0	*	10†
	65-74	25	0	0	0	0	0	*	*	11	0	*	*	*	0	0	20†	*	*	0	*	10†
	75-84	20†	0	0	0	0	0	*	0	6	0	0	*	*	*	0	10†	*	0	0	*	10†
	85+	6	0	0	0	0	0	*	0	*	0	0	0	0	*	0	10†	0	0	0	0	0
F	ALL AGES	137	0	0	0†	0†	0†	10†	0	20†	0†	20†	10†	10†	10†	0†	76	20†	10†	0†	30†	61
	25-34	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	*	0	0	0†	*	0	*	*	0†
	45-54	10†	0	0	0	0	0	0	0	*	0	*	*	*	0	0	10†	*	0	*	*	10†
	55-64	28	0	0	0	0	0	0	0	*	*	*	*	*	*	0	20†	*	*	0	7	10†
	65-74	41	0	0	*	0	*	*	0	9	0	*	*	*	*	*	30†	9	*	0	*	20†
	75-84	28	0	0	*	0	0	*	0	9	0	*	*	0	*	0	20†	*	*	*	*	10†
	85+	16	0	0	0	*	0	*	0	0	0	*	0	0	*	*	10†	*	*	0	*	10†

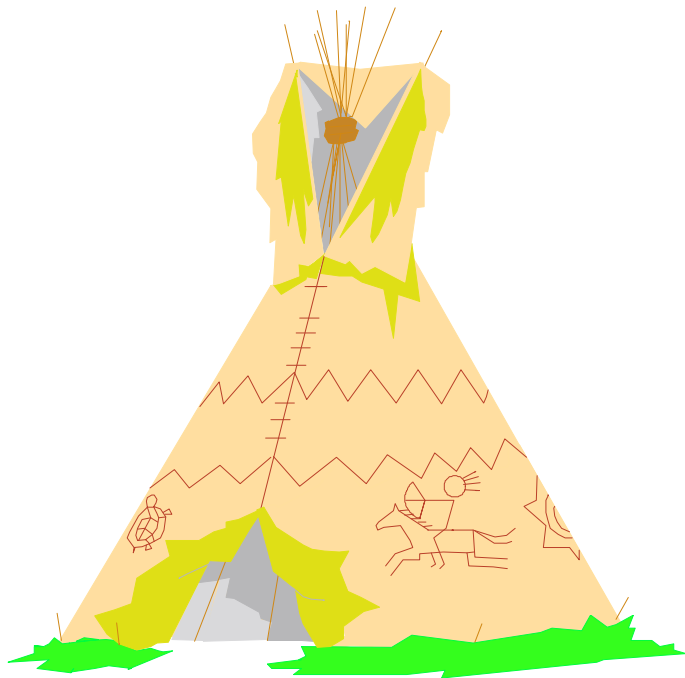
Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Diabetes-related: deaths due to diabetes reported as multiple cause of death (any mention of diabetes on the death certificate). The number of deaths due to diabetes as the underlying cause of death (129 in 2011) 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, 2011

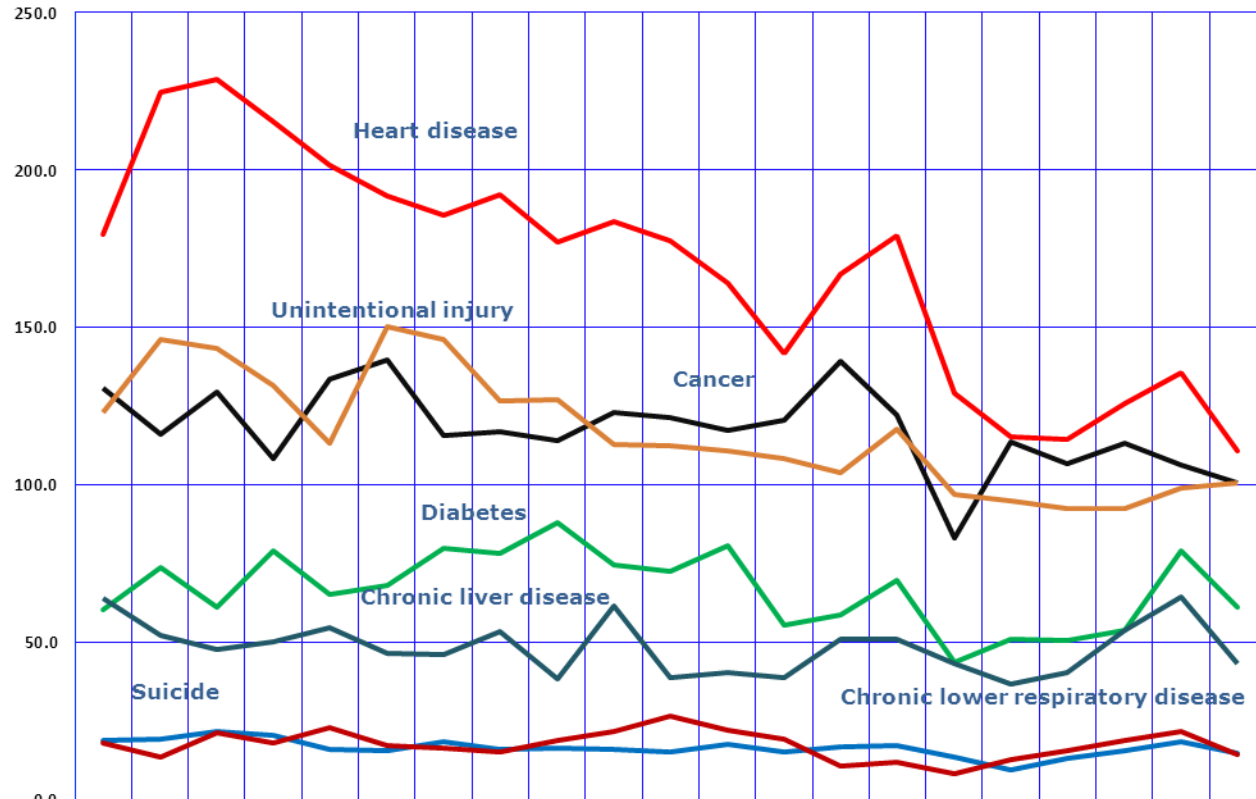
	TOTAL	Resided on reservation														Resided off reservation						
		Colorado River Indian Tribe	Fort McDowell Yavapai Nation Reservation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Indian Community	San Carlos Apache Tribe	San Xavier	Tohono O'Odham Nation	White Mountain Apache Tribe	Yavapai Apache Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL	
TOTAL	ALL AGES	190†	0†	0†	0†	0†	0†	0†	10†	0†	70†	0†	10†	20†	0†	20†	130†	20†	10†	10†	30†	60†
	15-24	10†	0	0	0	0	0	0	0	0	*	0	*	0	0	6	10†	0	0	*	0	0†
	25-34	27	0	0	0	*	0	*	0	0	8	0	*	*	0	8	20†	0	0	*	6	10†
	35-44	46	*	*	0	0	0	0	*	0	18	*	*	*	*	*	30†	*	*	*	*	10†
	45-54	56	0	0	*	0	*	0	*	*	21	0	*	*	*	*	30†	7	*	*	11	20†
	55-64	37	0	0	0	0	*	0	*	*	15	0	*	*	*	*	30†	*	0	0	*	10†
	65-74	10†	0	0	0	0	*	0	0	0	*	0	0	0	0	0	10†	*	*	0	*	10†
	75-84	0†	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0†	0	0	0	0	0
M	ALL AGES	120†	0†	0†	0	0†	0†	0†	0†	0	50†	0	0†	10†	0†	10†	80†	10†	0†	10†	20†	40†
	15-24	10†	0	0	0	0	0	0	0	0	0	0	0	0	0	*	10†	0	0	*	0	0†
	25-34	18	0	0	0	*	0	*	0	0	*	0	0	*	0	*	10†	0	0	*	*	10†
	35-44	32	*	*	0	0	0	0	*	0	15	0	*	*	0	*	20†	*	*	*	*	10†
	45-54	34	0	0	0	0	0	0	0	0	13	0	*	*	0	*	20†	*	0	*	9	20†
	55-64	22	0	0	0	0	*	0	0	0	11	0	0	*	*	0	20†	*	0	0	*	10†
	65-74	10†	0	0	0	0	*	0	0	0	*	0	0	0	0	0	0†	*	*	0	*	0†
	75-84	0†	0	0	0	0	0	0	0	0	*	0	0	*	0	0	0†	0	0	0	0	0
F	ALL AGES	70†	0	0	0†	0	0†	0	0†	0†	20†	0†	10†	10†	0†	10†	50†	10†	0†	0	10†	20†
	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	*	0	0	*	10†	0	0	0	*	0†
	35-44	10†	0	0	0	0	0	0	*	0	*	*	0	*	*	*	10†	*	0	0	*	0†
	45-54	22	0	0	*	0	*	0	*	*	8	0	0	0	*	*	20†	*	*	0	*	10†
	55-64	20†	0	0	0	0	0	0	*	*	*	0	*	*	0	*	10†	*	0	0	*	0†
	65-74	0†	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	0	0

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



COMPARATIVE CAUSE-SPECIFIC MORTALITY

5.13
Temporal Changes^a in the Selected Leading Causes of Death among American Indian Residents of Arizona, 1991-2011



	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Heart disease	179.5	224.7	228.7	215.5	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
Cancer	130.9	116.1	129.8	108.5	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
Unintentional injury	123.3	146.3	143.4	131.5	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
Diabetes	60.4	74.1	61.4	79.3	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
Chronic liver disease	64.0	52.5	48.0	50.3	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
Suicide	18.9	19.6	21.7	20.8	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
Chronic lower respiratory disease	18.3	13.6	21.4	18.4	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

Notes: ^a Based on age-adjusted mortality rates: Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard. See Table 2B-3 in the "Arizona Health Status and Vital Statistics 2011" report.

5.14
**Five Leading Causes of Death^a by Gender among American Indian
Residents of Arizona in 2011**

Rank	Female	Both	Male
1	Diseases of heart 92.7	Diseases of heart 111.1	Unintentional injury 146.7
2	Cancer 90.9	Cancer 100.8	Diseases of heart 131.1
3	Diabetes 68.8	Unintentional injury 100.6	Cancer 116.3
4	Unintentional injury 58.0	Diabetes 61.3	Diabetes 50.7
5	Chronic liver disease and cirrhosis 40.4	Chronic liver disease and cirrhosis 43.6	Chronic liver disease and cirrhosis 46.7

Notes: ^a Based on age-adjusted mortality rates: Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard. See Table 2B-4 in the "Arizona Health Status and Vital Statistics 2011" report.

5.15
Five Leading Causes of Death^a among American Indians by Gender and Residence
On or Off Reservation, Arizona, 2011

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	Diseases of heart 12.7	Cancer 15.1	Unintentional injury 24.5	Unintentional injury 20.5
2	Cancer 12.5	Diabetes 14.7	Diseases of heart 13.3	Diseases of heart 13.1
3	Unintentional injury 10.6	Unintentional injury 11.6	Cancer 11.0	Cancer 9.9
4	Diabetes 7.9	Diseases of heart 10.4	Chronic liver disease and cirrhosis 6.2	Chronic liver disease and cirrhosis 8.0
5	Chronic liver disease and cirrhosis 7.4	Chronic liver disease and cirrhosis 8.0	Suicide 5.6	Diabetes 6.4

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

5.16
Proportional Mortality^a by Type of Cancer and Gender among American Indians and all Residents of Arizona, 2001-2011

Rank	Arizona male^b	American Indian Male	Arizona female^b	American Indian female
1	Trachea, bronchus, lung 27.9	Lymphoma 11.5	Trachea, bronchus, lung 25.5	Breast 12.5
2	Lymphoma 10.8	Prostate 11.0	Breast 15.4	Lymphoma 11.0
3	Prostate 10.4	Liver 9.7	Colon, rectum, anus 9.5	Ovary 8.1
4	Colon, rectum, anus 9.3	Trachea, bronchus, lung 9.3	Lymphoma 9.4	Trachea, bronchus, lung 7.7
5	Pancreas 5.9	Kidney 9.0	Pancreas 6.2	Colon, rectum, anus 6.9
6	Leukemia 4.4	Colon, rectum, anus 8.8	Ovary 6.0	Liver 6.4
7	Non-Hodgkin's lymphoma 4.0	Stomach 8.4	Non-Hodgkin's lymphoma 3.9	Pancreas 6.2
8	Liver 4.0	Pancreas 6.5	Leukemia 3.5	Stomach 5.7
9	Esophagus 3.8	Leukemia 4.1	Brain 2.5	Cervix uteri 4.5
10	Bladder 3.5	Esophagus 3.7	Liver 2.4	Kidney 4.0

Notes: ^a Percent of cancer deaths in specified group in 2001-2011.
^b All race/ethnic groups combined.
See Table 5-18 for percentages based on frequency counts.

5.17
Proportional Mortality^a by Mechanism of Unintentional Injury and Gender among
American Indians and all Residents of Arizona, 2001-2011

Rank	Arizona male^b	American Indian Male	Arizona female^b	American Indian female
1	Motor vehicle-related 37.5	Motor vehicle-related 53.9	Falls 33.0	Motor vehicle-related 61.8
2	Poisoning by drugs 22.9	Poisoning by drugs 8.9	Motor vehicle-related 29.1	Falls 11.8
3	Falls 16.9	Falls 6.8	Poisoning by drugs 20.6	Poisoning by drugs 8.6
4	Accidental drowning 3.6	Poisoning by gases 6.2	Misadventures to patients 2.2	Poisoning by gases 3.7
5	Poisoning by gases 2.0	Exposure to cold 5.3	Choked on objects other than food 2.2	Misadventures to patients 1.9
6	Exposure to heat 1.9	Accidental drowning 3.0	Accidental drowning 2.1	Exposure to cold 1.8
7	Choked on objects other than food 1.5	Railway accidents 1.5	Fire, flames, smoke 1.5	Choked on objects other than food 1.4
8	Fire, flames, smoke 1.4	Mechanical suffocation 1.5	Choked on food 1.4	Accidental drowning 1.3
9	Choked on food 1.2	Fire, flames, smoke 1.5	Exposure to heat 1.1	Fire, flames, smoke 1.2
10	Mechanical suffocation 1.2	Exposure to heat 1.4	Poisoning by gases 1.1	Railway accidents 0.8

Notes: ^a Percent of unintentional injury deaths in specified group in 2001-2011.
^b All race/ethnic groups combined.
See Table 5-19 for percentages based on frequency counts.

5.18 (correction)
COMPARISON OF MORTALITY BY SPECIFIC TYPE OF CANCER BY GENDER AMONG AMERICAN INDIANS AND ALL RESIDENTS^a OF ARIZONA, 2001-2011

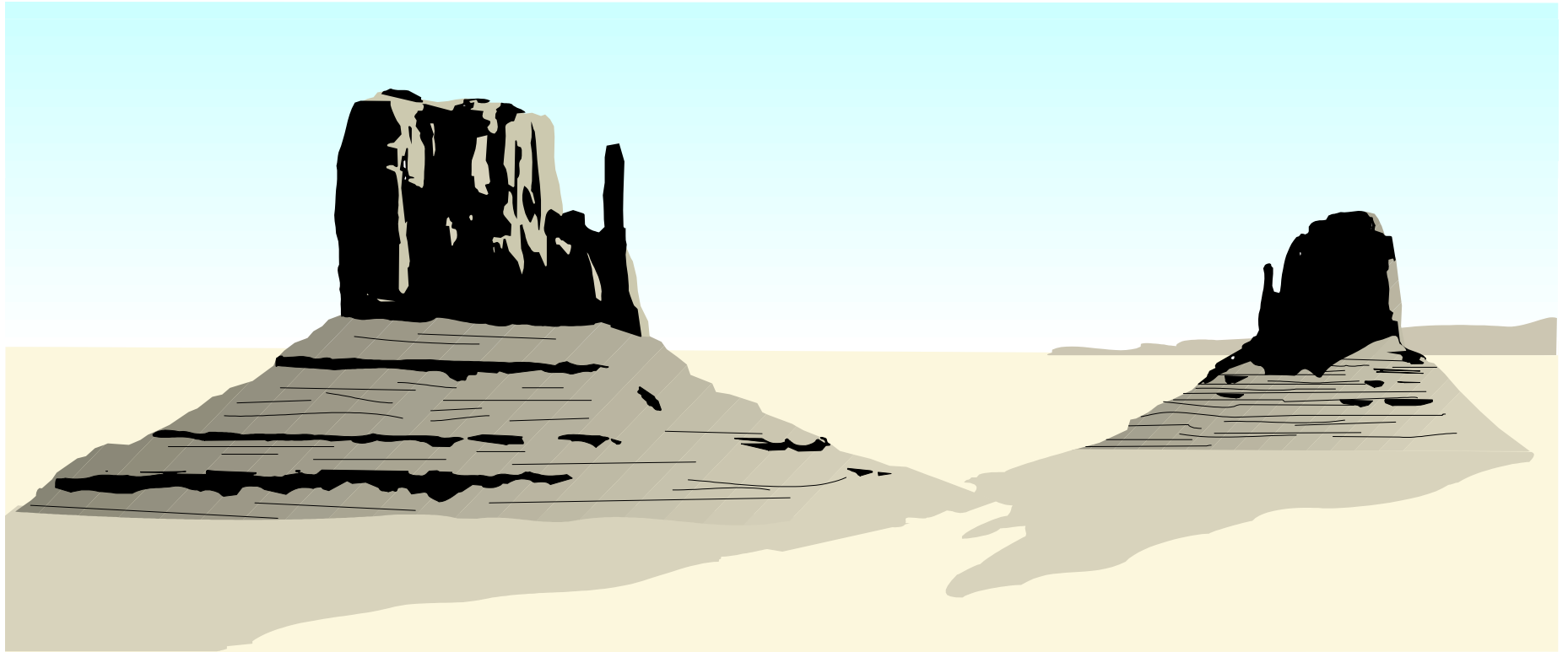
	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Malignant neoplasms, total	107,765	57,807	49,955	2,111	1,010	1,100
Malignant neoplasm of lip, oral cavity and pharynx	1,413	1,006	407	26	18	8
Malignant neoplasm of esophagus	2,754	2,218	536	48	37	11
Malignant neoplasm of stomach	2,113	1,274	839	148	85	63
Malignant neoplasm of colon, rectum and anus	10,108	5,381	4,726	165	89	76
Malignant neoplasm of liver and intrahepatic bile ducts	3,546	2,330	1,216	168	98	70
Malignant neoplasm of pancreas	6,497	3,398	3,099	134	66	68
Malignant neoplasm of larynx	635	504	131	10†	*	*
Malignant neoplasm of trachea, bronchus and lung	28,880	16,131	12,749	179	94	85
Malignant melanoma of skin	1,904	1,323	581	10†	8	*
Malignant neoplasm of breast	7,763	83	7,680	140†	*	138
Malignant neoplasm of cervix uteri	713	0	713	49	0	49
Malignant neoplasm of corpus uteri and uterus, part unspecified	1,170†	*	1,166	35	0	35
Malignant neoplasm of ovary	2,990†	*	2,989	89	0	89
Malignant neoplasm of prostate	6,015	6,008	7	111	111	0
Malignant neoplasm of kidney and renal pelvis	2,651	1,712	939	135	91	44
Malignant neoplasm of bladder	2,776	2,021	754	24	12	12
Malignant neoplasm of meninges, brain and other parts of central nervous system	2,729	1,503	1,226	34	20	14
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10,943	6,235	4,707	238	116	121
Hodgkin's disease	219	133	86	0†	*	0
Non-Hodgkin's lymphoma	4,265	2,337	1,927	79	36	42
Leukemia	4,289	2,519	1,770	85	41	44
Multiple myeloma and immunoproliferative neoplasms	2,163	1,242	921	72	37	35
Other and unspecified malignant neoplasms of lymphoid tissue	10†	*	*	0	0	0
All other and unspecified malignant neoplasms	12,168	6,678	5,490	370	158	212

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

5.19 (correction)
UNINTENTIONAL INJURY DEATHS BY MECHANISM AND GENDER AMONG AMERICAN INDIANS AND
ALL RESIDENTS^a OF ARIZONA, 2001-2011

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
5.19	31,055	19,793	11,256	2,971	2,133	838
Railway accidents	107	92	15	40	33	7
Motor vehicle -related	10,694	7,414	3,280	1,668	1,150	518
Water transport accident	35	25	10	0	0	0
Accident involving aircraft	230	194	36	0†	*	0
Poisoning by drugs/ medicaments	6,856	4,541	2,315	262	190	72
Poisoning by gases and vapors	526	405	121	163	132	31
Falls	7,056	3,343	3,712	244	145	99
Fire, flames, smoke	436	269	167	41	31	10
Excessive natural heat	497	368	129	35	29	6
Excessive natural cold	229	189	40	129	114	15
Contact with venomous snakes and lizards	10†	*	*	0†	*	0
Contact with venomous spiders	0†	*	*	0	0	0
Contact with scorpions	0†	*	*	0	0	0
Contact with hornets, wasps, bees	10†	*	*	0	0	0
Bitten or struck by dog	15	7	8	0†	*	0
Lightning	10†	10	*	0†	*	0
Storms and floods	10†	9	*	0†	*	0
Accidental drowning and submersion	941	703	237	75	64	11
Choked on food	393	239	154	27	20	7
Choked on other objects	551	305	246	37	25	12
Mechanical suffocation	336	235	101	39	32	7
Accidental discharge of firearms	160	129	31	20†	16	*
Exposure to electric current	77	77	0	10†	*	0
Overexertion	0†	*	0	0†	*	0
Adverse effects of drugs in therapeutic use	68	27	41	0†	*	0
Misadventures to patients during medical/surgical care	488	235	253	25	9	16

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

Medical risk factors for this pregnancy

Anemia - Hemoglobin level of less than 10.0 g/dL during pregnancy, or hematocrit of less than 30 percent during pregnancy.

Cardiac disease - Disease of the heart.

Acute or chronic lung disease - Disease of the lungs during pregnancy.

Diabetes - Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.

Genital herpes - Infection of the skin of the genital area by herpes simplex virus.

Hydramnios/Oligohydramnios - Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.

Hemoglobinopathy - A blood disorder caused by alteration in the genetically determined molecular structure of hemoglobin (for example, sickle cell anemia).

Hypertension, chronic - Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation.

Hypertension, pregnancy-associated - 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.

Incompetent cervix - Characterized by painless dilation of the cervix in the second trimester or early in the third trimester of pregnancy, with premature expulsion of membranes though cervix and ballooning of the membranes into vagina, followed by rupture of the membrane and subsequent expulsion of the fetus.

Previous infant 4,000+ grams - The birthweight of a previous live-born child was over 4,000 grams (8lbs.14oz.).

Previous preterm or small-for-gestational-age-infant - Previous birth of an infant prior to term (before 37 completed weeks of gestation) or of an infant weighing less than the 10th percentile for gestational age using a standard weight for age chart.

Renal disease - Kidney disease.

Rh Sensitization - The process or state of becoming sensitized to the Rh factor as when an Rh-negative woman is pregnant with an Rh-positive fetus.

Uterine bleeding - Any clinically significant bleeding during the pregnancy taking into consideration the stage of pregnancy; any second or third trimester bleeding or third trimester bleeding of the uterus prior to the onset of labor.

Complications of labor and/or delivery

Febrile - A fever greater than 100 degrees F. or 38 degrees C. occurring during labor and/or delivery.

Meconium, moderate/heavy - Meconium consists of undigested debris from swallowed amniotic fluid, various products of secretion and shedding by the gastrointestinal tract, moderate to heavy amounts of meconium in the amniotic fluid noted during labor and/or delivery.

Premature rupture of membranes (more than 12 hours) - Rupture of membranes at any time during pregnancy and more than 12 hours before the onset of labor.

Abruptio placenta - Premature separation of normally implanted placenta from the uterus.

Placenta previa - Implantation of the placenta over or near the internal opening of the cervix.

Other excessive bleeding - The loss of significant amount of blood from conditions other than abruptio placenta or placenta previa.

Seizures during labor - Maternal seizures occurring during labor from any cause.

Precipitous labor (less than 3 hours) - Extremely rapid labor and delivery lasting less than 3 hours.

Prolonged labor (more than 20 hours) - Abnormally slow progress of labor lasting more than 20 hours.

Dysfunctional labor - Failure to progress in a normal pattern of labor.

Breech/Malpresentation - At birth, the presentation of the fetal buttocks, rather than the head or other malpresentation.

Cephalopelvic disproportion - The relationship of the size, presentation, and position of the fetal head to the maternal pelvis, which prevents dilation of the cervix and/or descent of the fetal head.

Cord prolapse - Premature expulsion of the umbilical cord in labor before the fetus is delivered.

Anesthetic complications - Any complication during labor and/or delivery brought on by an anesthetic agent or agents.

Fetal distress - Signs indicating fetal hypoxia (deficiency in amount of oxygen reaching fetal tissues).

Abnormal conditions of the newborn

Anemia - Hemoglobin level of less than 13.0 g/dL, or a hematocrit of less than 39 percent.

Birth injury - Impairment of the infant's body function or structure due to adverse influences that occurred at birth.

Fetal alcohol syndrome - A syndrome of altered prenatal growth and development occurring in infants born of women who consumed excessive amounts of alcohol during pregnancy.

Hyaline membrane disease/RDS - A disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.

Meconium aspiration syndrome - Aspiration of meconium by the fetus or newborn, affecting the lower respiratory system.

Assisted ventilation (less than 30 minutes) - A mechanical method of assisting respiration for newborns with respiratory failure.

Assisted ventilation (30 minutes or more) - Newborn placed on assisted ventilation for 30 minutes or longer.

Seizures - A seizure of any etiology.

Congenital anomalies of child

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.

Hydrocephalus - Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of cranium.

Microcephalus - A significantly small head.

Other central nervous system anomalies - Other specified anomalies of the brain, spinal cord, and nervous system.

Heart malformations - Congenital anomalies of heart.

Other circulatory/respiratory anomalies - Other specified anomalies of the circulatory and respiratory systems.

Rectal atresia/stenosis – Congenital absence, closure, or narrowing of the rectum.

Tracheo-esophageal fistula/Esophageal atresia – An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.

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.

Other gastrointestinal anomalies – Other specified congenital anomalies of the gastrointestinal system.

Malformed genitalia – Congenital anomalies of the reproductive organs.

Renal agenesis – One or both kidneys are completely absent.

Other urogenital anomalies – Other specified congenital anomalies of the organs concerned in the production and excretion of the urine, together with organs of reproduction.

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).

Other chromosomal anomalies – All other chromosomal aberrations.

Polydactyly/Syndactyly/Adactyly– Polydactyly is the presence of more than five digits on either hands and/or feet; syndactyly is having fused or webbed fingers and/or toes; adactyly is the absence of fingers and/or toes.

Club foot – Deformities of the foot, which is twisted out of shape or position.

Diaphragmatic hernia – Herniation of the abdominal contents through the diaphragm into the thoracic cavity usually resulting in respiratory distress.

Other musculoskeletal/integumental anomalies – Other specified congenital anomalies of the muscles, skeleton, or skin.

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	2011 population of American Indians	2011 deaths among American Indians	Age-specific rates for American Indians in 2011	2000 standard	Age-adjusted rate for American Indians In 2011
A	B	C	D (C/B)*100000	E	F D*E
<1	6,993	43	614.9	.013818	8.5
1-4	28,868	10	34.6	.055317	1.9
5-14	66,849	11	16.5	.145565	2.4
15-24	69,012	103	149.2	.138646	20.7
25-34	53,923	130	241.1	.135573	32.7
35-44	44,633	172	385.4	.162613	62.7
45-54	41,645	243	583.5	.134834	78.7
55-64	26,185	250	954.7	.087247	83.3
65-74	13,871	257	1852.8	.066037	122.4
75-84	6,399	255	3985.0	.044842	178.7
85+	2,036	228	11198.4	.015508	173.7
	360,414	1703		TOTAL	Σ 765.5

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.

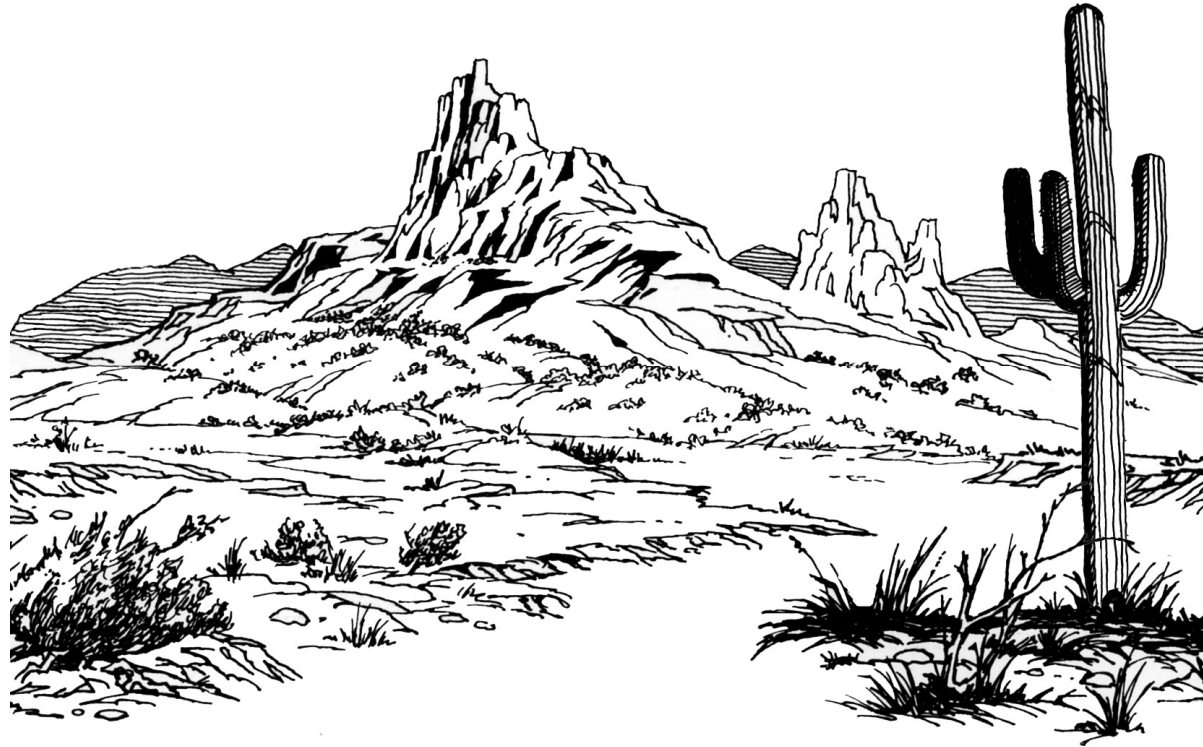
Cause-specific mortality - Number of deaths from a specified cause during a calendar year.

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 instantaneous access to a wide range of statistical information about health status of Arizonans. The *Arizona Health Status and Vital Statistics* annual report examines trends in natality, mortality, and morbidity towards established health objectives. Additional reports and studies include *Differences in the Health Status Among Race/Ethnic Groups*, *Advance Vital Statistics by County of Residence*, *Mortality from Alzheimer's Disease*, *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 for *mental disorders*, *asthma*, *diabetes*, *influenza and pneumonia*, and *substance abuse*, *Community Vital Statistics*, *Teenage Pregnancy*, *Selected Characteristics of Newborns and Mothers Giving Birth by Census Tract* in Maricopa County, Pima County and South Phoenix Area, *Health Status Profile of American Indians in Arizona*, *Deaths from Exposure to Excessive Natural Heat Occurring in Arizona*, *Obesity in Arizona: Prevalence, Hospital Care Utilization, Mortality, Marital Status, and Health*, *Heart Disease vs. Cancer: An Epidemiologic Transition in Mortality Risks*.



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