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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA: 2008 DATA BOOK

by

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INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 2008 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 2008.

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 2008 *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 2008 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 1998-2008 for selected health problems and health risks among American Indian and all residents of Arizona,
- 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 2008. 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 1998-1999 are classified by the Ninth Revision of the International Classification of Diseases (ICD-9). The causes of death for 2000-2008 are classified by the Tenth Revision (ICD-10).

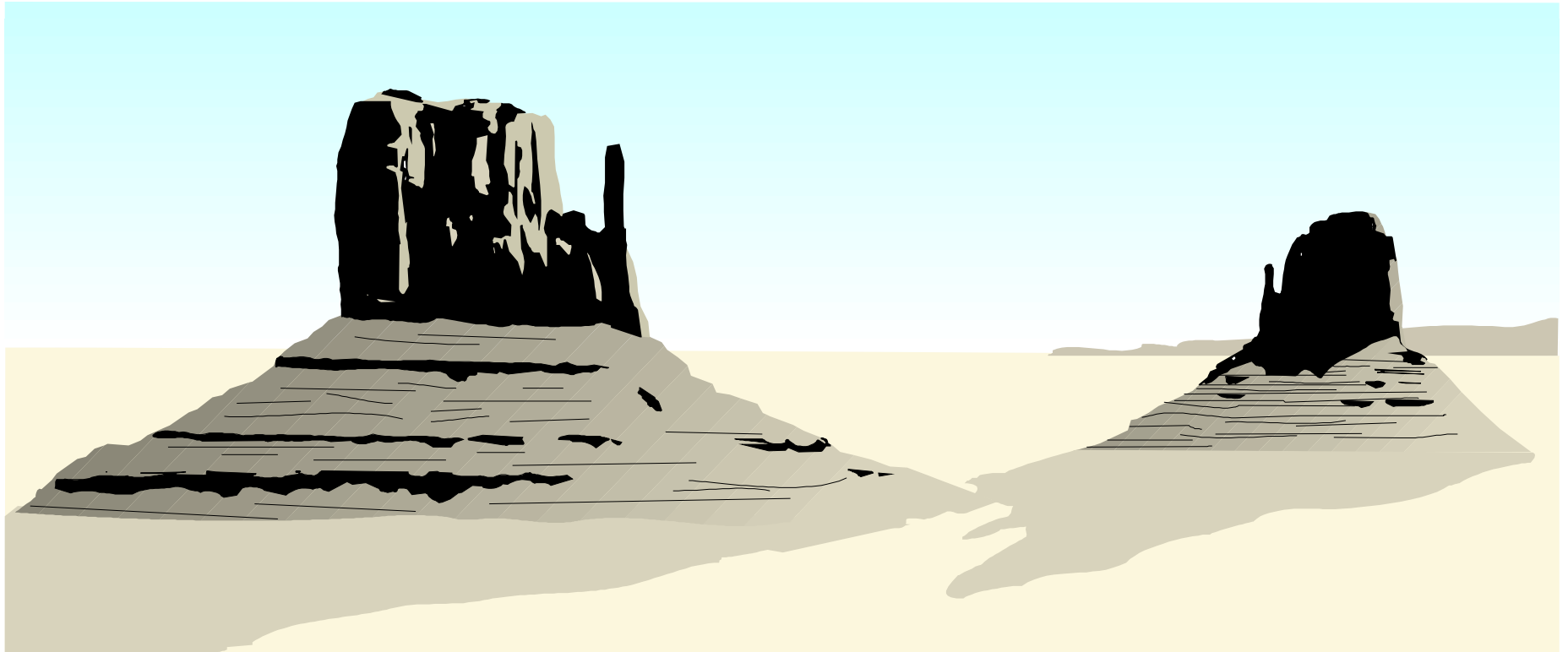
Beginning with the first edition of this report published in 1996, specific Indian reservations have been identified by tribal communities comprising them. However, this approach does not work very well for the tribes residing within the limits of an incorporated city (such as Yavapai Prescott Indian Tribe) or inside a metropolitan area (such as Salt River Pima-Maricopa Community, Fort McDowell Yavapai Nation, Gila River Indian Community or Fort Yuma Quechan Tribe).

Since 2002, 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 Arizona in 2008. For example, Pascua Yaquis are defined here as the American Indian residents of Guadalupe, South Tucson, Marana or Tucson whose tribal affiliation was Pascua Yaqui. Vital events to Pascua Yaqui Indians who resided in Glendale or Scottsdale are included among events occurring outside their tribal communities or “off reservation”. Similarly, the only American Indian residents of Prescott who are included in the counts of events for Yavapai-Prescott Indian Tribe are those affiliated with the Yavapai-Prescott Indian Tribe. Tribal affiliation is being used in this report only in its supplementary role and the tabulations of births and deaths in this publication are not by tribal membership but by place of residence in Arizona, as originally intended. The 2008 birth and death data for American Indian residents of Arizona also were spatially joined using ArcGIS in order to refine the geographic allocation of these vital events.

A detailed classification of tribal communities in Arizona is available in the **Appendix A**. Generally, the information about the usual place (or tribal community) of residence is quite poorly recorded in the electronic databases of births and deaths. Certain communities are altogether absent and many are underrepresented. Therefore, the tribe-or-reservation-specific counts of vital events in this report are not exact enumerations.

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.

In addition to bound form, the online versions of the report for 1995–2008 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 2008

The risk profile presented on the following page summarizes how American Indians as a group compared in 2008 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 race/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.

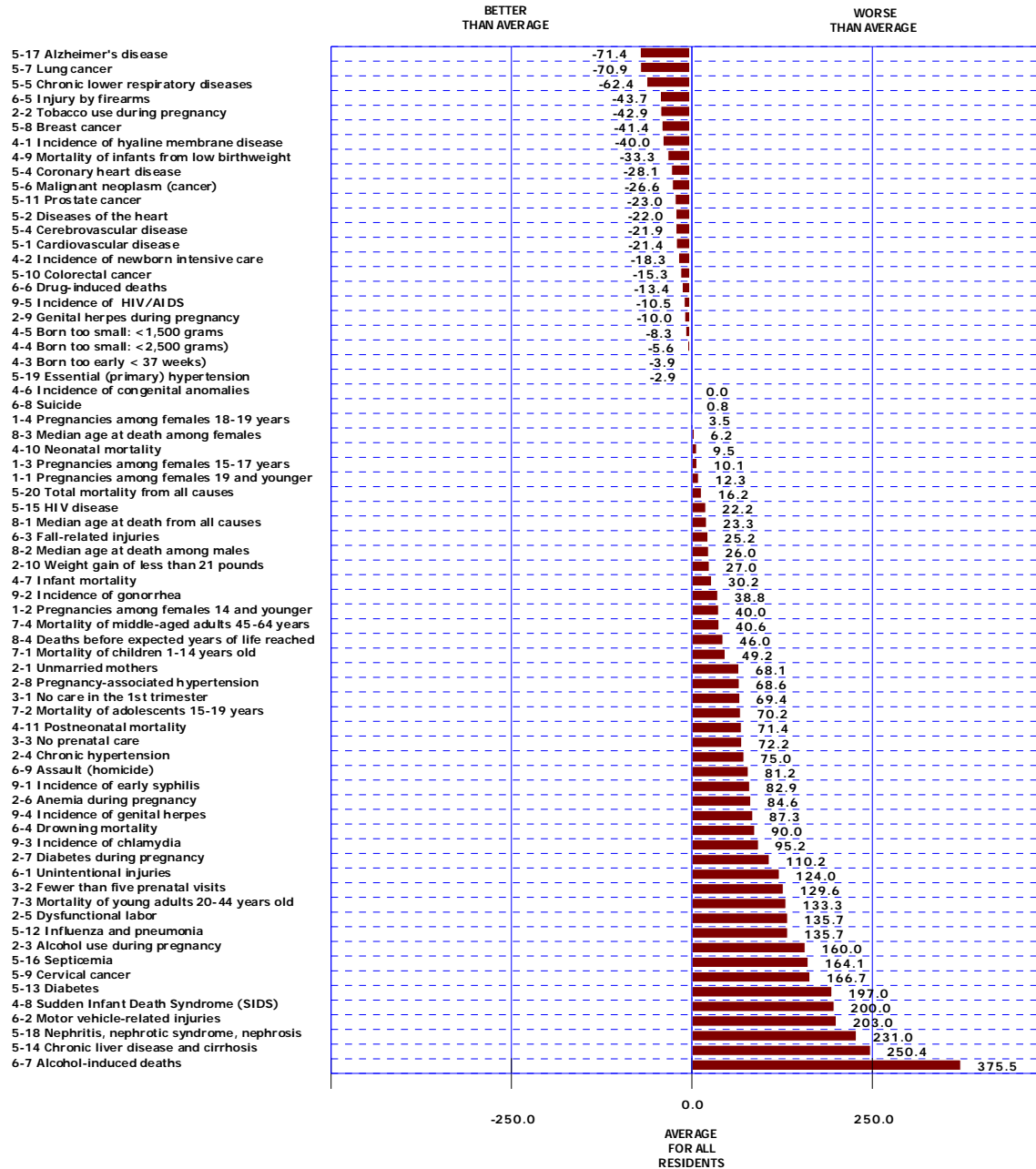
IN 2008, AMERICAN INDIAN RESIDENTS OF ARIZONA:

- ranked worse than the statewide average on 46 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 White non-Hispanics;
- had high mortality from alcohol-induced causes, diabetes, influenza and pneumonia, motor vehicle accidents and mortality from other unintentional injuries: all contributing to the premature death rate of 76.5 percent;
- ranked better than average on (1) mortality rates for several chronic diseases (Alzheimer's disease, lung cancer, breast cancer, prostate cancer, colorectal cancer, chronic lower respiratory diseases and coronary heart disease), (2) tobacco use and (3) incidence of genital herpes among women giving birth;
- experienced a 50.4 percent decline in the age-adjusted mortality rate for heart disease from a recent peak of 228.7/100,000 American Indian population in 1993 to 113.5/100,000 in 2008.

* 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.

2008 RISK PROFILE OF AMERICAN INDIANS

(Percent above or below the average rate or ratio of all Arizona residents in 2008)



AMERICAN INDIANS' STANDING IN ARIZONA IN 2008 ON 70 INDICATORS OF HEALTH STATUS

1. TEEN PREGNANCIES

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

Figure number	Indicator	2008 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2008	Definitions
1-1	Pregnancies among females 19 and younger	35.5	12.3	31.6	The sum of live births, fetal deaths, and abortions per 1,000 females aged 19 or younger
1-2	Pregnancies among females 14 and younger	1.4	40.0	1.0	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	38.1	10.1	34.6	The sum of live births, fetal deaths, and abortions per 1,000 females aged 15-17 years
1-4	Pregnancies among females 18-19 years old	115.2	3.5	111.3	The sum of live births, fetal deaths, and abortions per 1,000 females aged 18-19 years

2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

(All ratios are per 100 live births)

Figure number	Indicator	2008 ratio for American Indians	Percent above or below the average ratio for all groups	Average ratio for all groups in 2008	Definitions
2-1	Unmarried mothers	75.8	68.1	45.1	The number of births to unmarried mothers per 100 births
2-2	Tobacco use during pregnancy	2.8	-42.9	4.9	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births
2-3	Alcohol use during pregnancy	1.3	160.0	0.5	The number of mothers giving birth who self-reported alcohol use during pregnancy per 100 births
2-4	Chronic hypertension	1.4	75.0	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	135.7	1.4	Failure to progress in a normal pattern of labor (the number of cases per 100 births).
2-6	Anemia during pregnancy	7.2	84.6	3.9	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	8.2	110.2	3.9	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	5.9	68.6	3.5	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	0.9	-10.0	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	32.9	27.0	25.9	The number of women giving birth who gained less than 21 pounds per 100 births.

3. UTILIZATION OF PRENATAL CARE SERVICES

(Per 100 live births)

Figure number	Indicator	2008 ratio for American Indians	Percent above or below the average ratio for all groups	Average ratio for all groups in 2008	Definition
3-1	No care in the 1 st trimester	34.9	69.4	20.6	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	12.4	129.6	5.4	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	3.1	72.2	1.8	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	2008 rate or ratio for American Indians	Percent above or below the average rate or ratio for all groups	Average rate or ratio for all groups in 2008	Definition
4-1	Incidence of hyaline membrane disease	0.3	-40.0	0.5	The number of cases of hyaline membrane disease per 100 births. Hyaline membrane disease = 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	4.9	-18.3	6.0	The number of babies admitted to Newborn Intensive Care units per 100 births
4-3	Born too early (preterm or < 37 weeks)	9.8	-3.9	10.2	The number of births before 37 weeks of gestation per 100 births. Preterm = 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)	6.7	-5.6	7.1	The number of newborns weighing less than 2,500 grams per 100 births. Low-birthweight = 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)	1.1	-8.3	1.2	The number of newborns weighing less than 1,500 grams per 100 births. Very low-birthweight = 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)	0.9	0.0	0.9	The numbers of babies born with birth defects per 100 births.
4-7	Infant mortality	8.2	30.2	6.3	The number of infant deaths per 1,000 live births. 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).
4-8	Sudden Infant Death Syndrome (SIDS)	0.6	200.0	0.2	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	0.6	-33.3	0.9	The number of infant deaths from low- birthweight/short gestation (ICD-10 code P07) per 1,000 live births
4-10	Neonatal mortality	4.6	9.5	4.2	The number of neonatal deaths per 1,000 live births. 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).
4-11	Postneonatal mortality	3.6	71.4	2.1	The number of postneonatal 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.

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	2008 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2008	Definition
5-1	Cardiovascular disease	149.3	-21.4	190.1	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	113.5	-22.0	145.5	The number of deaths from disease of the heart (ICD-10 codes I00-I09, I11, I13, I20-I51) per 100,000 age-adjusted population.
5-3	Coronary heart disease	82.8	-28.1	115.2	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	23.5	-21.9	30.1	The number of deaths from cerebrovascular disease (ICD-10 codes I60-I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	15.8	-62.4	42.1	The number of deaths from chronic lower respiratory diseases (ICD-10 codes J40-J47) per 100,000 age-adjusted population.
5-6	Malignant neoplasm (cancer)	106.7	-26.6	145.4	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	11.2	-70.9	38.5	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	11.6	-41.4	19.8	The number of deaths from breast cancer (ICD-10 code C50) per 100,000 age-adjusted female population.
5-9	Cervical cancer	4.8	166.7	1.8	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	11.1	-15.3	13.1	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	14.7	-23.0	19.1	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	36.3	135.7	15.4	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	49.9	197.0	16.8	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	40.3	250.4	11.5	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	2.2	22.2	1.8	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	20.6	164.1	7.8	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	8.5	-71.4	29.7	The number of deaths from Alzheimer's disease (ICD-10 code G30) per 100,000 age-adjusted population.
5-18	Nephritis, nephrotic syndrome and nephrosis (kidney disease)	23.5	231.0	7.1	The number of deaths from nephritis, nephrotic syndrome and nephrosis (ICD-10 codes N00-N07, N17-N19, N25-N27) per 100,000 age-adjusted population.
5-19	Essential (primary) hypertension	6.7	-2.9	6.9	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	766.3	16.2	659.6	Total number of deaths from all causes per 100,000 age-adjusted population.

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 poisoning by drugs, but also disorders due to use of alcohol.)

Figure number	Indicator	2008 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2008	Definition
6-1	Unintentional injuries	86.0	124.0	38.4	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	40.6	203.0	13.4	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	13.4	25.2	10.7	The number of deaths from fall-related injuries (ICD-10 codes W00-W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	1.9	90.0	1.0	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	7.6	-43.7	13.5	The number of deaths by firearms (ICD-10 codes W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0) 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	7.1	-13.4	8.2	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. Also excluded are newborn deaths associated with mother's drug use.
6-7	Alcohol-induced deaths	52.3	375.5	11.0	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)	13.5	0.8	13.4	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)	12.5	81.2	6.9	The number of homicides (ICD-10 codes X85-X09, Y87.1) per 100,000 age-adjusted population.

7. AGE-SPECIFIC MORTALITY

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

Figure number	Indicators	2008 rate for American Indians	Percent above or below the average rate for all groups	Average value for all groups in 2008	Definition
7-1	Mortality of children 1-14 years old	29.4	49.2	19.7	The number of deaths per 100,000 children 1-14 years old in 2008
7-2	Mortality of adolescents 15-19 years old	111.8	70.2	65.7	The number of deaths per 100,000 adolescents 15-19 years old in 2008
7-3	Mortality of young adults 20-44 years old	287.0	133.3	123.0	The number of deaths per 100,000 young adults 20-44 years old in 2008
7-4	Mortality of middle-aged adults 45-64 years old	832.3	40.6	591.8	The number of deaths per 100,000 middle-aged adults 45-64 years old in 2008

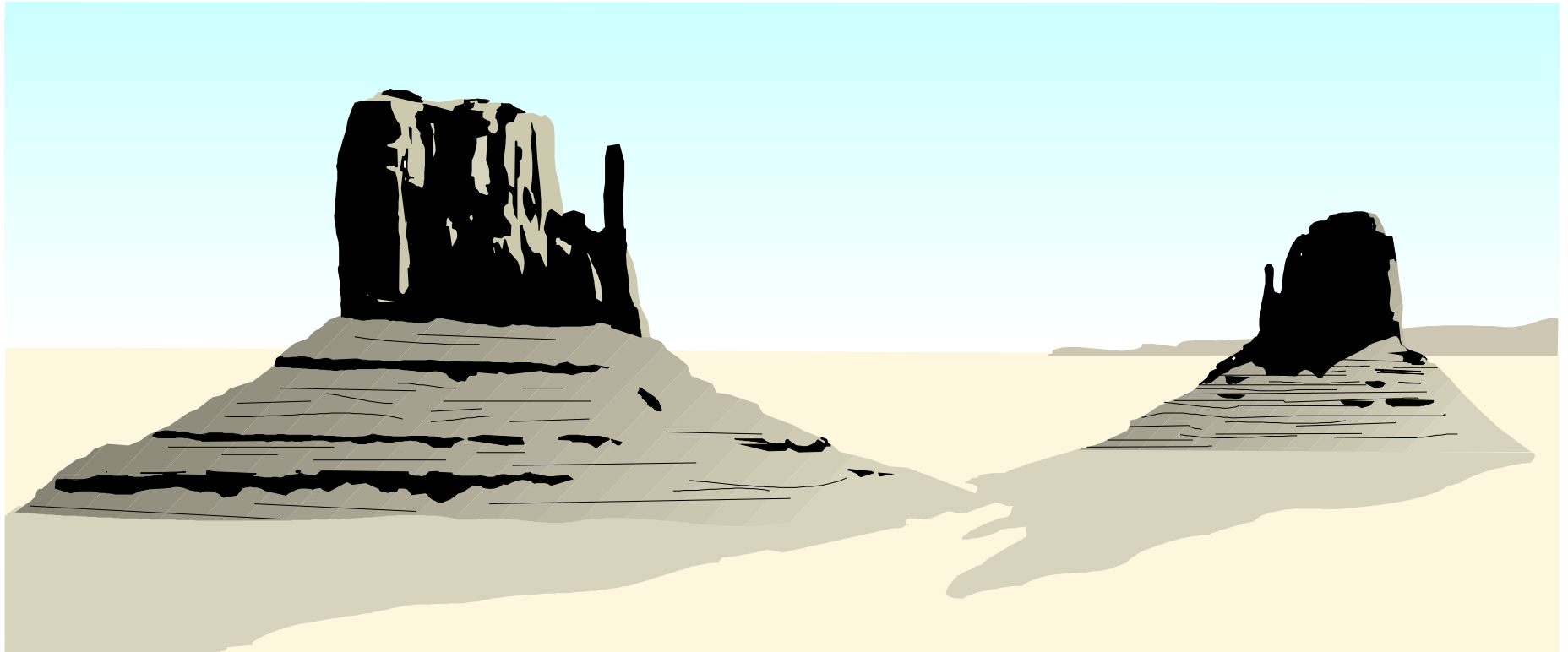
8. PREMATURE MORTALITY

Figure number	Indicators	2008 value for American Indians	Percent above or below the average value for all groups	Average value for all groups in 2008	Definitions
8-1	Median age at death from all causes	59.0	-23.3	77.0	The median age (the age in the middle) of Arizonans who died in 2008
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 2008
8-3	Median age at death from all causes among females	67.0	-16.2	80.0	The median age (the age in the middle) of Arizona females who died in 2008
8-4	Percent of total deaths before expected years of life reached	76.5	46.0	52.4	The number of deaths before reaching 77.9 years (the life expectancy of all U.S. residents in 2004) per 100 deaths

9. REPORTABLE DISEASES

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

Figure number	Indicators	2008 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2008	Definitions
9-1	Incidence of early syphilis	16.1	82.9	8.8	Number of reported cases of early syphilis per 100,000 population
9-2	Incidence of gonorrhea	73.3	38.8	52.8	Number of reported cases of gonorrhea per 100,000 population
9-3	Incidence of chlamydia	739.8	95.2	379.0	Number of reported cases of chlamydia per 100,000 population
9-4	Incidence of genital herpes	53.2	87.3	28.4	Number of reported cases of genital herpes per 100,000 population
9-5	Incidence of HIV/AIDS	10.2	-10.5	11.4	Number of reported cases of HIV/AIDS per 100,000 population

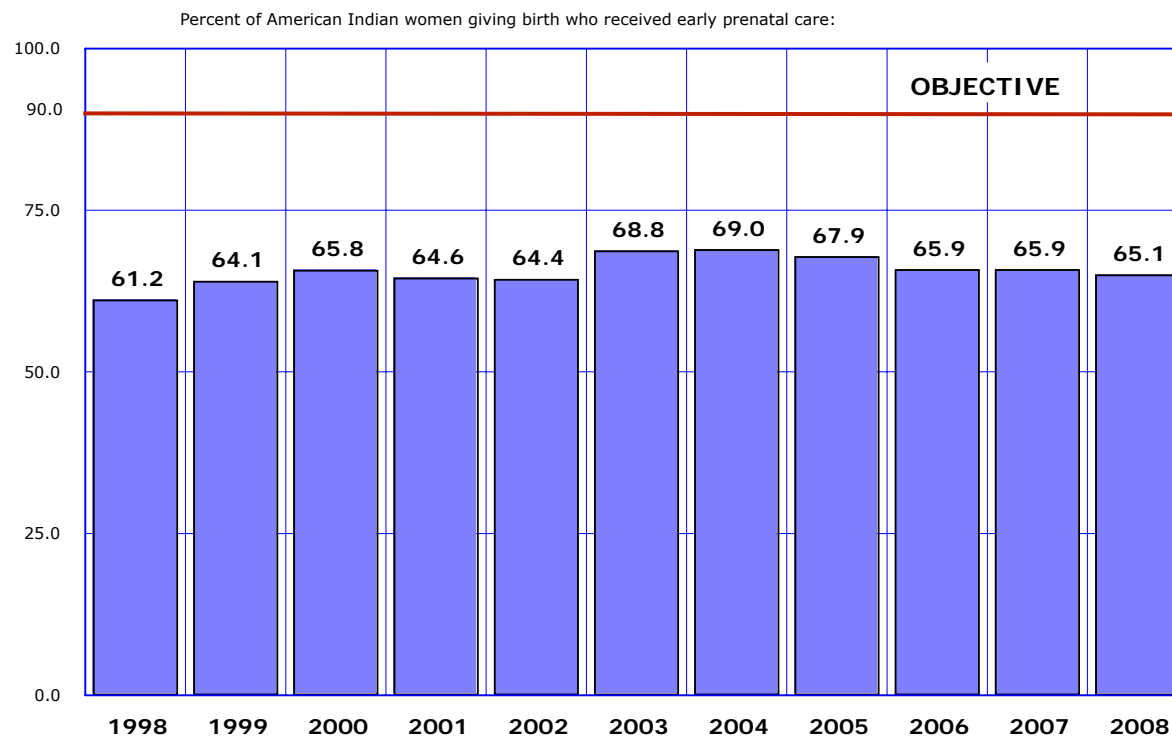


II.

COMPARISON OF AMERICAN INDIANS' STANDING IN ARIZONA WITH RESPECT TO SELECTED HEALTH OBJECTIVES FOR THE YEAR 2010

2.1 Early Prenatal Care

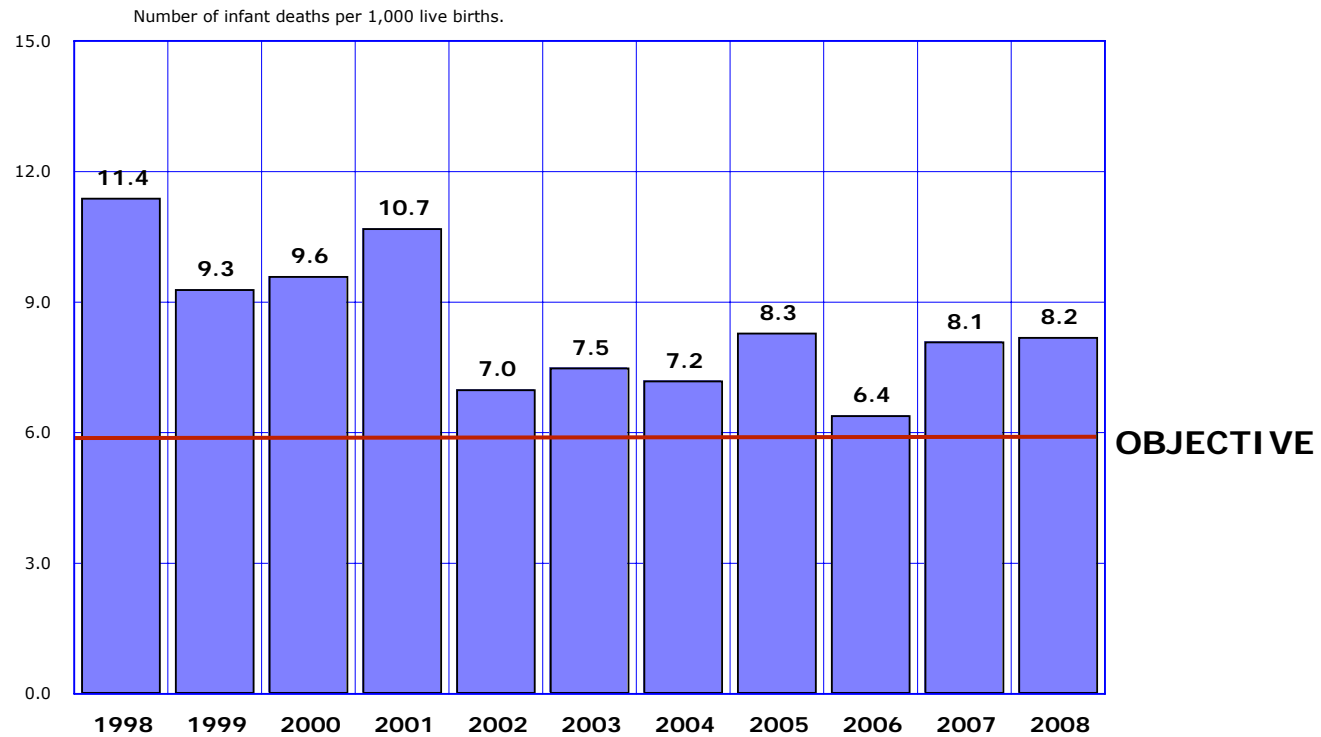
NATIONAL YEAR 2010 OBJECTIVE (HP16-10a*): INCREASE TO 90 PERCENT THE PROPORTION OF WOMEN GIVING BIRTH WHO RECEIVE PRENATAL CARE IN THE FIRST TRIMESTER OF PREGNANCY



Source: Table 1B-2 and Table 1B-12 in *Arizona Health Status and Vital Statistics 2008*.

2.2 Infant Mortality

**NATIONAL YEAR 2010 OBJECTIVE (HP16-1c): REDUCE THE RATE OF INFANT DEATHS TO
NO MORE THAN 6 PER 1,000 LIVE BIRTHS**

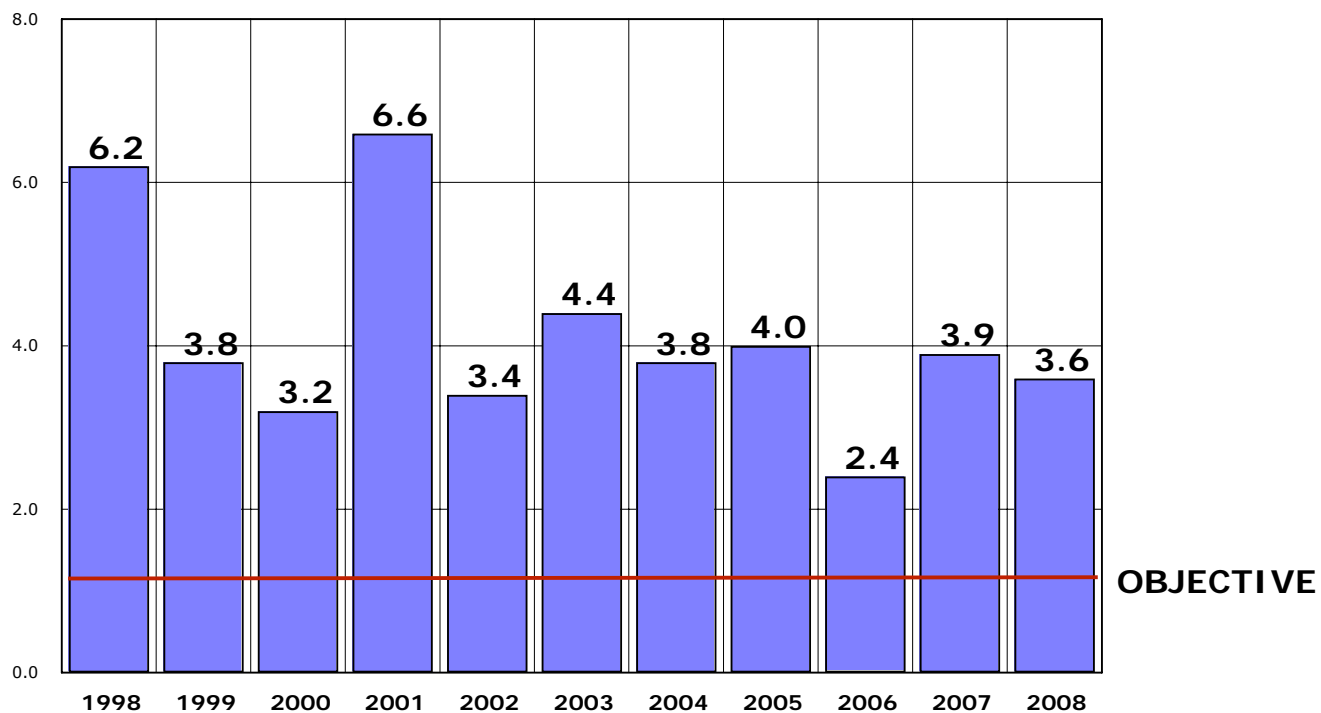


Source: Table 2C-2 in *Arizona Health Status and Vital Statistics 2008*. Infant deaths are by the race/ethnicity of the decedent. For consistency with the national data, the denominators used to calculate infant mortality rates are by race/ethnicity of mother.

2.3 Postneonatal Mortality

NATIONAL YEAR 2010 OBJECTIVE (HP16-1e): REDUCE POSTNEONATAL MORTALITY TO NO MORE THAN 1.2 PER 1,000 LIVE BIRTHS

Number of postneonatal (i.e., at least 28 days of age but less than one year of age) deaths per 1,000 live births.

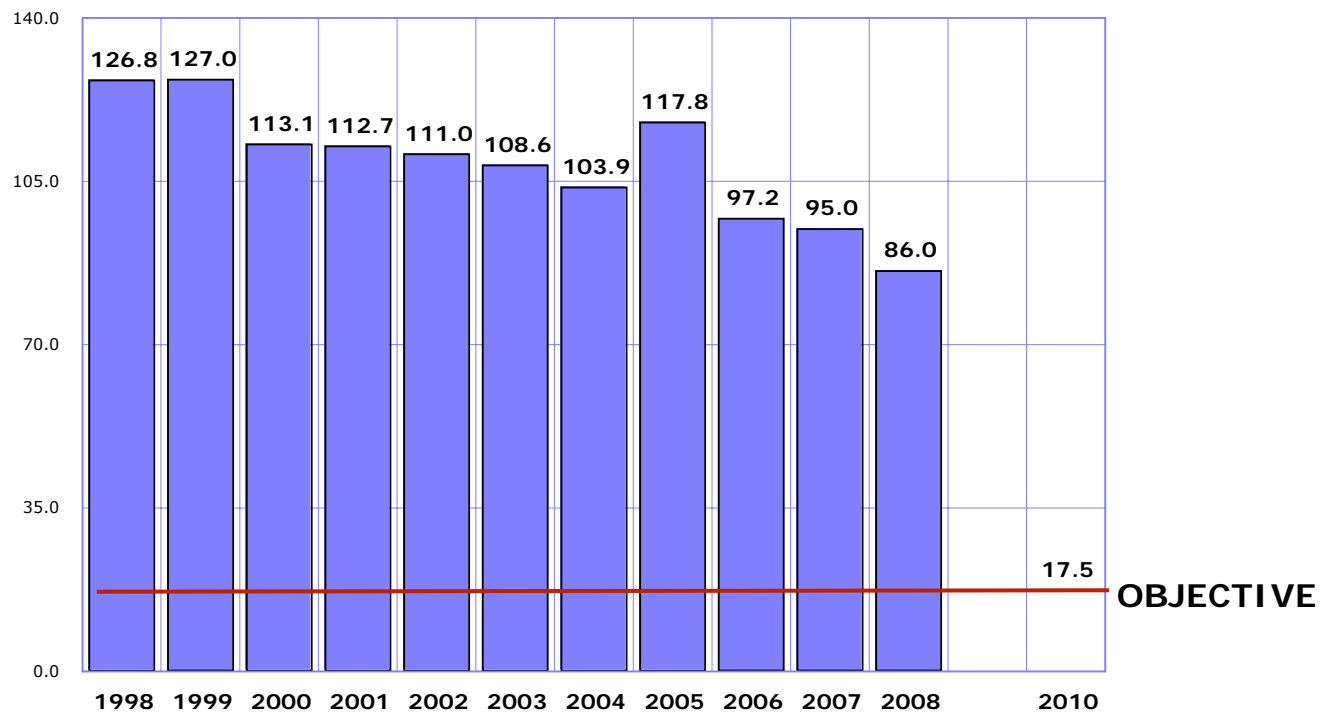


Source: Table 2C-3 or Table 2C-4 in *Arizona Health Status and Vital Statistics 2008*. Postneonatal deaths are by the race/ethnicity of the decedent. For consistency with the national data, the denominators used to calculate postneonatal mortality rates are by race/ethnicity of mother.

2.4 Unintentional Injury Deaths

NATIONAL YEAR 2010 OBJECTIVE (HP15-13): REDUCE DEATHS CAUSED BY UNINTENTIONAL INJURIES TO NO MORE THAN 17.5 PER 100,000 AGE-ADJUSTED POPULATION

Number of unintentional injury deaths per 100,000 American Indian population (age-adjusted to the year 2000 standard).

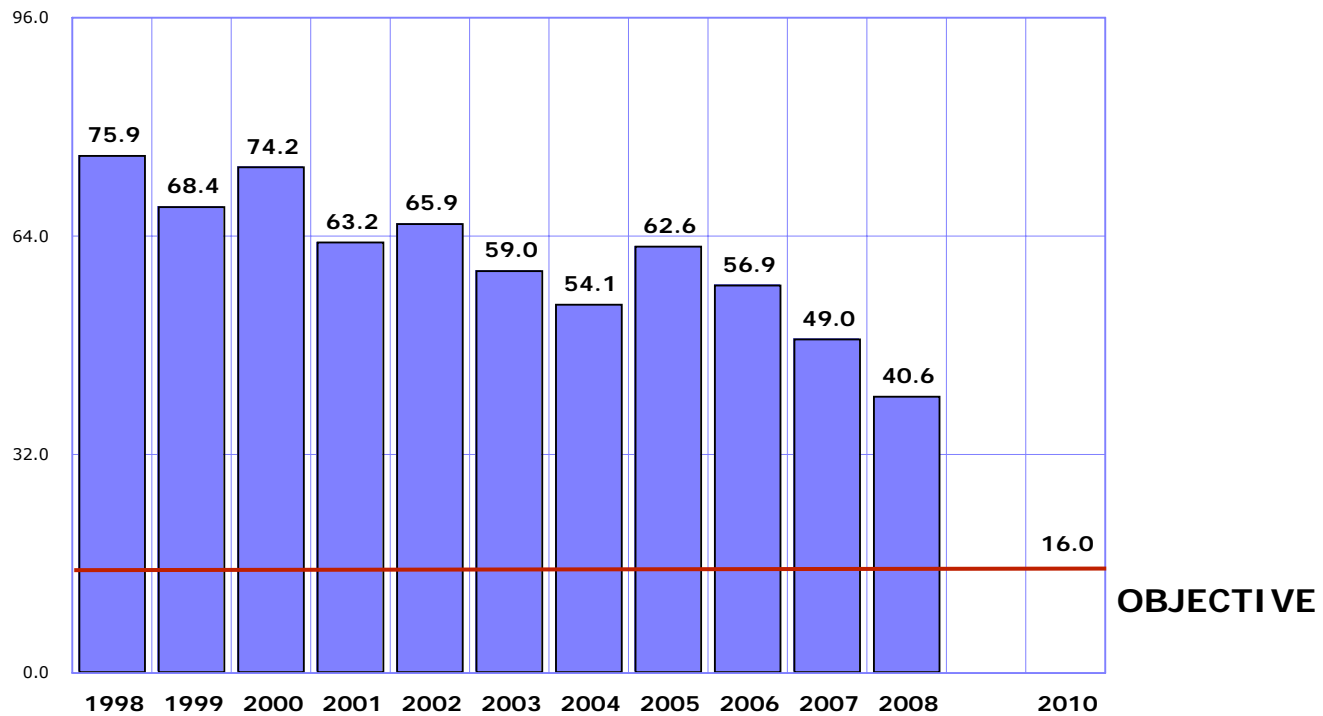


Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2008*.

2.5 Motor Vehicle Crash Deaths

NATIONAL YEAR 2010 OBJECTIVE (HP15-15): REDUCE DEATHS CAUSED BY MOTOR VEHICLE CRASHES TO NO MORE THAN 16 PER 100,000 AGE-ADJUSTED POPULATION

Number of deaths caused by motor vehicle crashes per 100,000 American Indian population (age-adjusted to the year 2000 standard).

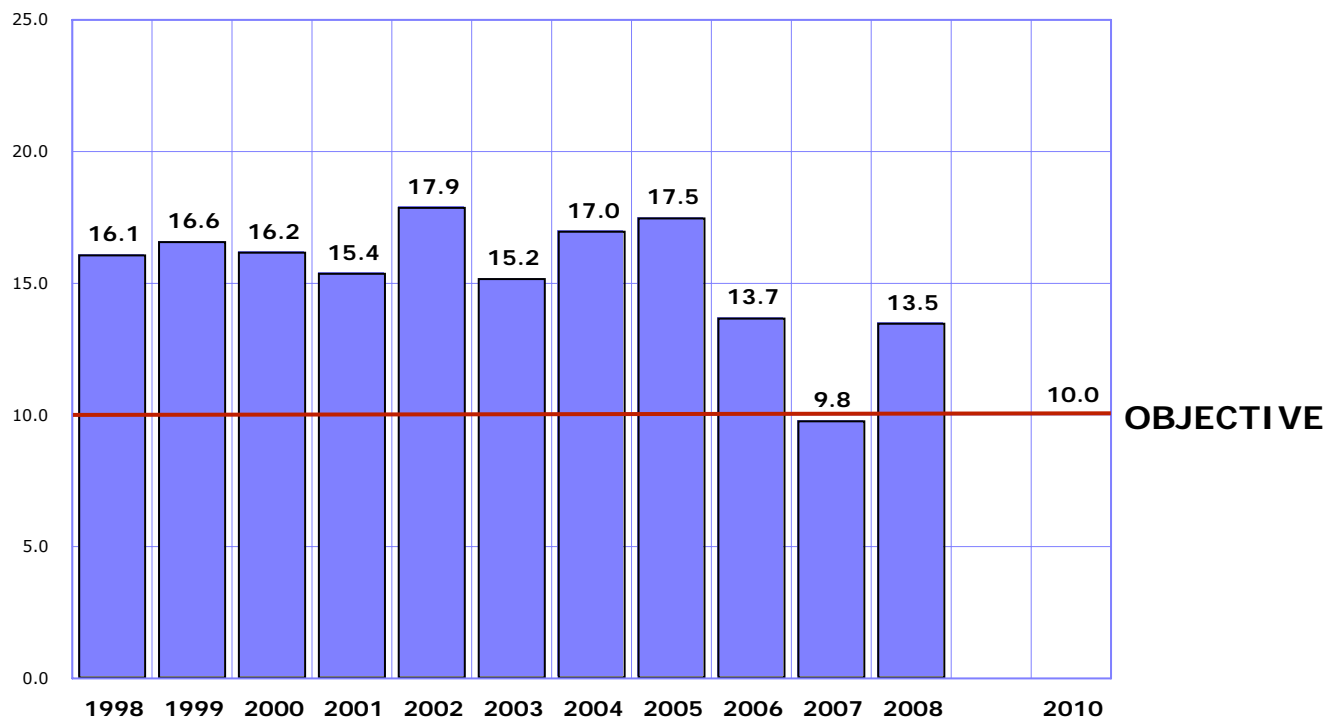


Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2008*.

2.6 Intentional Self-Harm (Suicide)

**NATIONAL YEAR 2010 OBJECTIVE (HP18-1): REDUCE THE SUICIDE RATE TO
NO MORE THAN 10 PER 100,000 AGE-ADJUSTED POPULATION**

Number of suicides per 100,000 American Indian population (age-adjusted to the year 2000 standard).

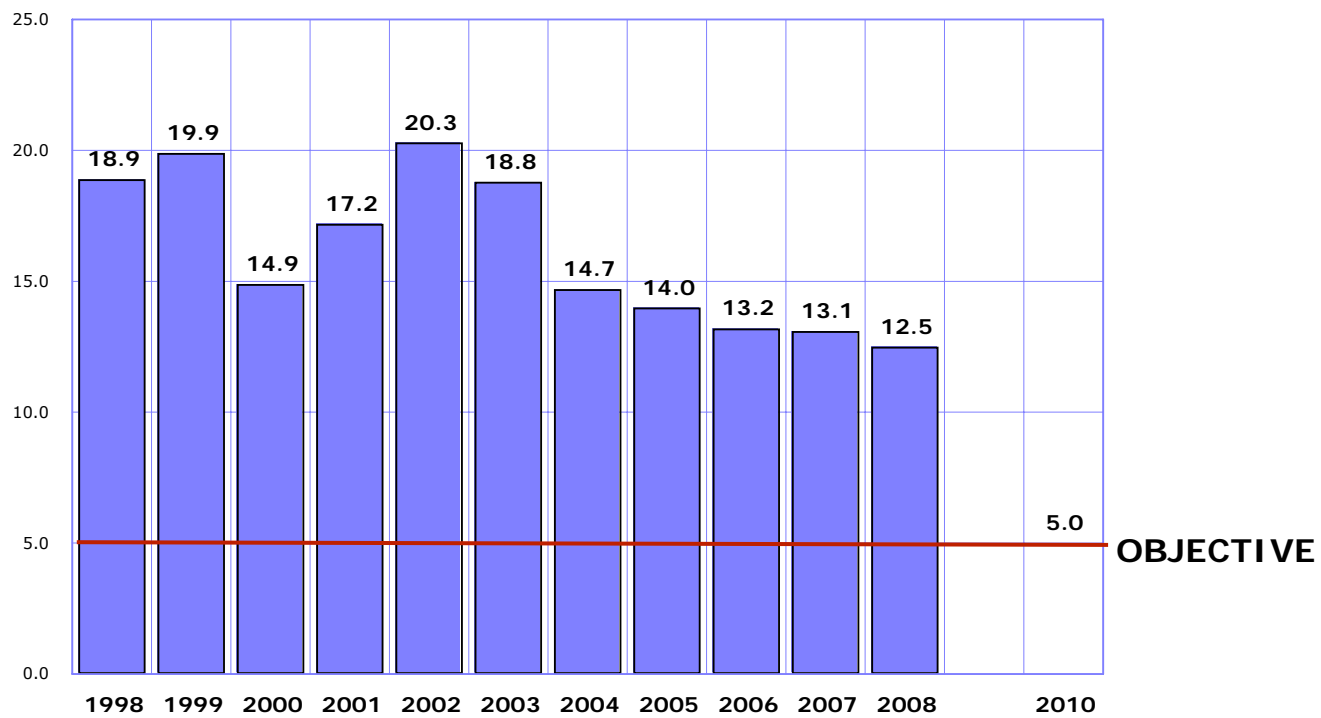


Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2008*.

2.7 Assault (Homicide)

NATIONAL YEAR 2010 OBJECTIVE (HP15-32): REDUCE THE HOMICIDE RATE TO NO MORE THAN 5 PER 100,000 AGE-ADJUSTED POPULATION

Number of homicides per 100,000 American Indian population (age-adjusted to the year 2000 standard).

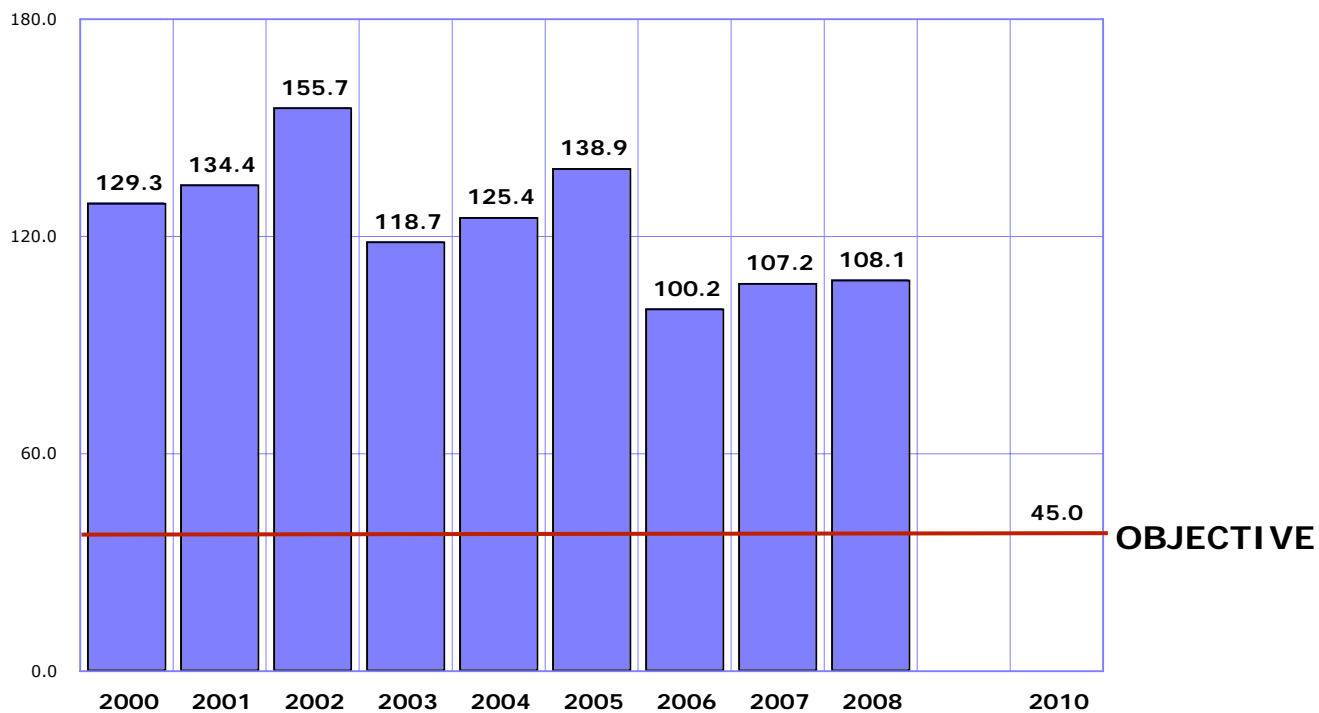


Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2008*.

2.8 Diabetes-related Deaths

NATIONAL YEAR 2010 OBJECTIVE (HP5-5): REDUCE THE DIABETES-RELATED DEATH RATE TO NO MORE THAN 45 PER 100,000 AGE-ADJUSTED POPULATION

Number of deaths due to diabetes reported as the underlying or multiple cause of death per 100,000 American Indian population (age-adjusted to the year 2000 standard).

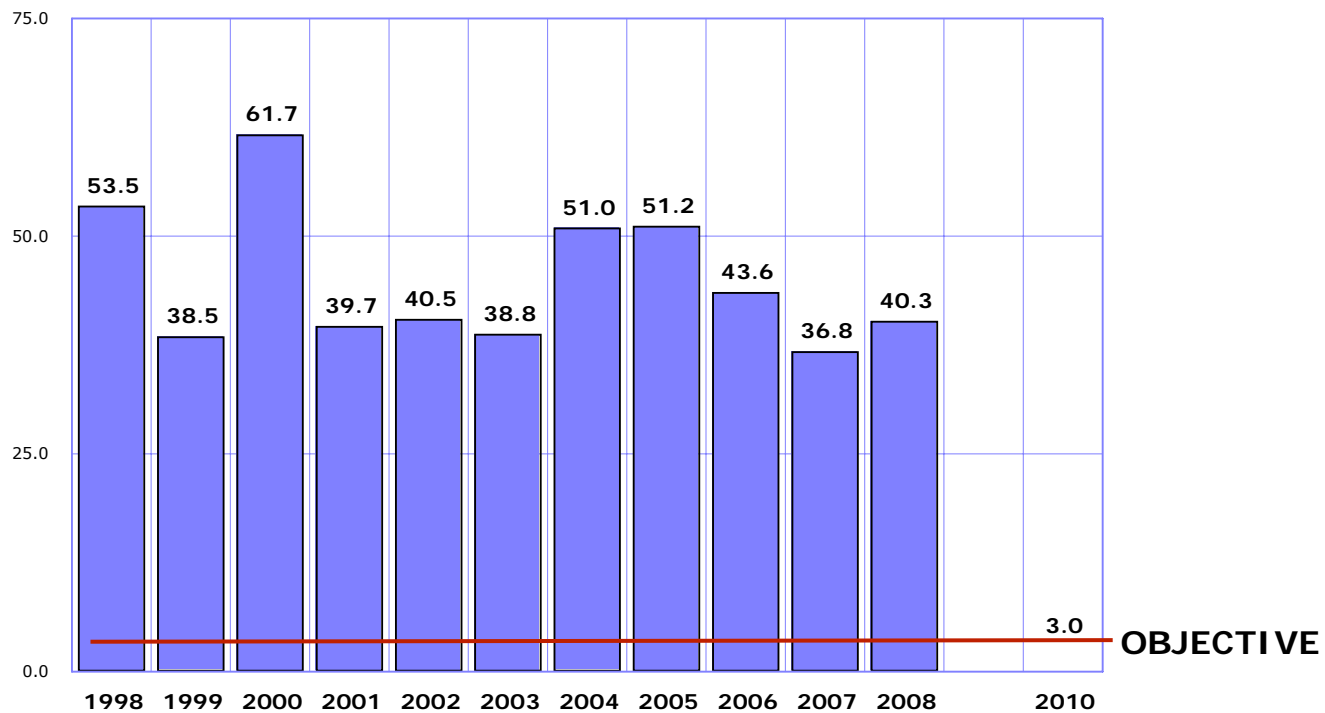


Note: In 2008, in addition to 98 deaths that had diabetes assigned as the underlying cause of death, another 118 had diabetes assigned as other than underlying cause. The sum of these two counts (216) is the total number of deaths that had any mention of diabetes on the 2008 death certificates. The rate of 108.1/100,000 in Figure 2.8 accounts for all mentions of diabetes on the death certificates, whether or not it was the underlying cause of death.

2.9 Cirrhosis Deaths

**NATIONAL YEAR 2010 OBJECTIVE (HP26-2): REDUCE THE CIRRHOSIS* DEATH RATE TO
NO MORE THAN 3 PER 100,000 AGE-ADJUSTED POPULATION**

Number of deaths due to chronic liver disease and cirrhosis reported as the underlying cause of death per 100,000 American Indian population (age-adjusted to the year 2000 standard).



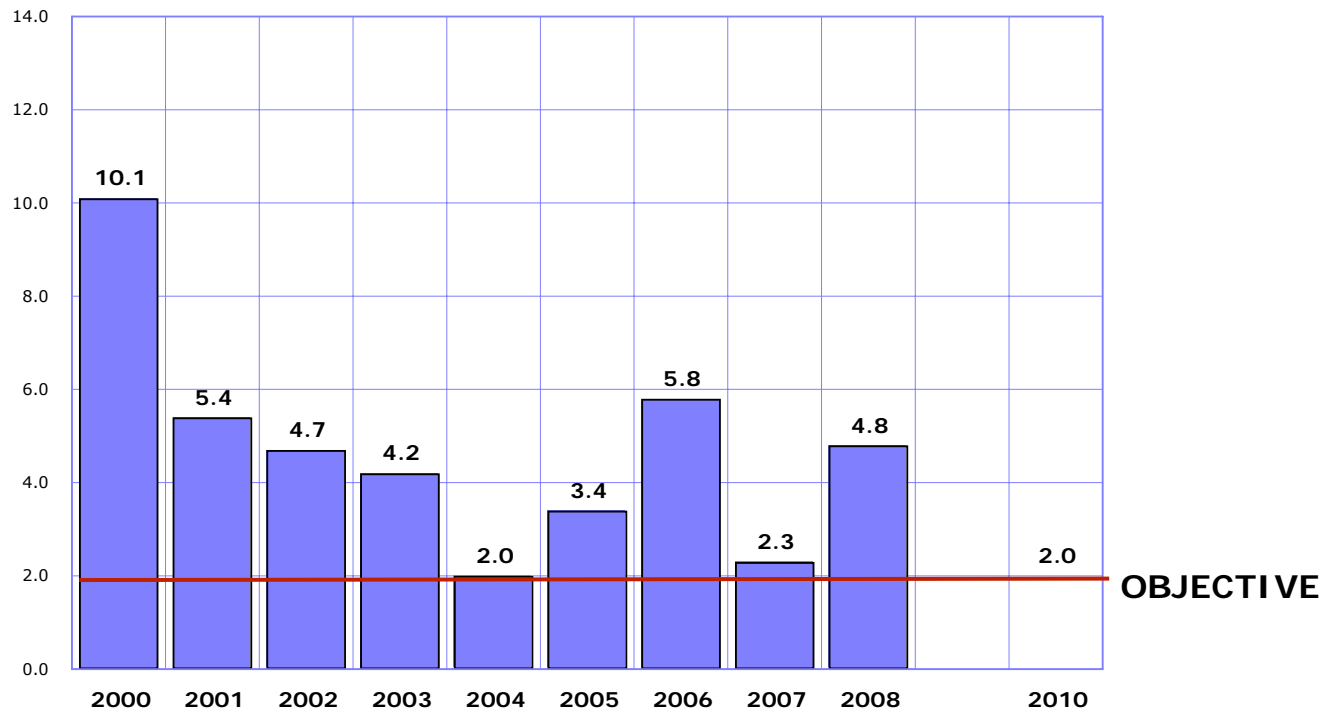
*Chronic liver disease and cirrhosis (ICD-10 codes K70, K73-K74).

Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2008*.

2.10 Cervical Cancer Deaths

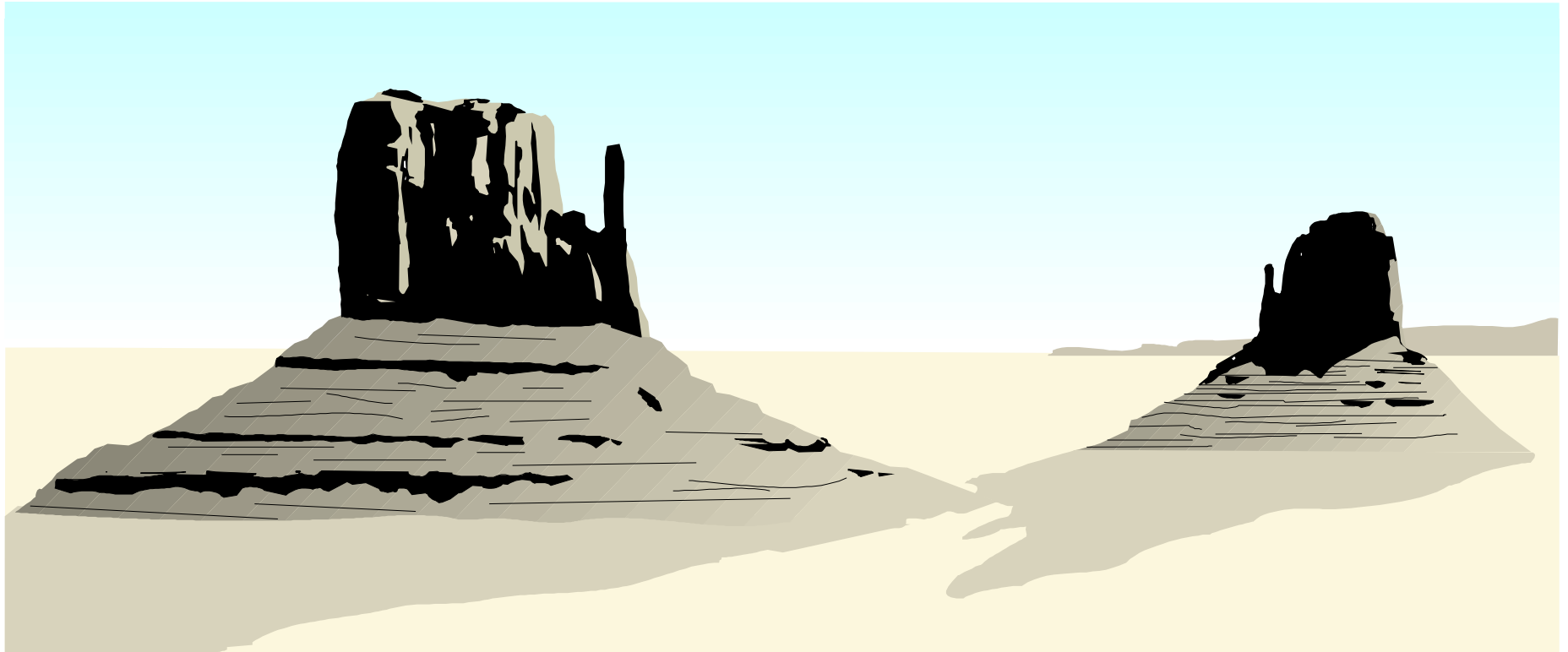
NATIONAL YEAR 2010 OBJECTIVE (HP3-4): REDUCE THE CERVICAL CANCER DEATH RATE TO NO MORE THAN 2 PER 100,000 AGE-ADJUSTED FEMALE POPULATION

Number of deaths due to cancer of the uterine cervix reported as the underlying cause of death per 100,000 American Indian female population (age-adjusted to the year 2000 standard).



*Note: These rates based on fewer than 10 deaths/year are not statistically reliable.

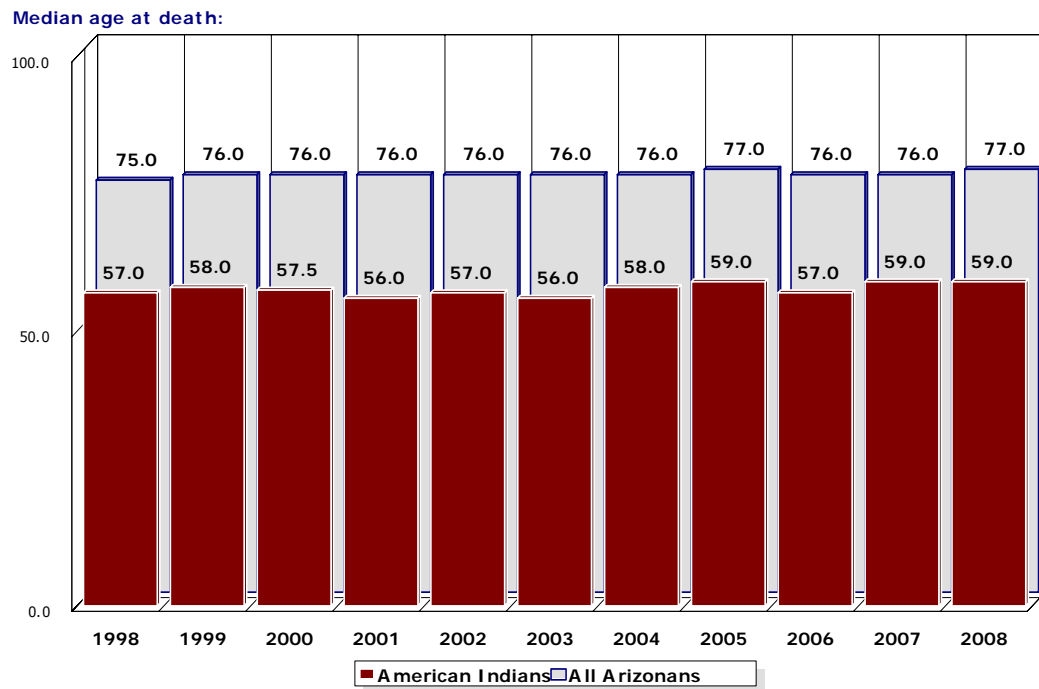
Source: Table 2B-4 in *Arizona Health Status and Vital Statistics 2008*.



III.

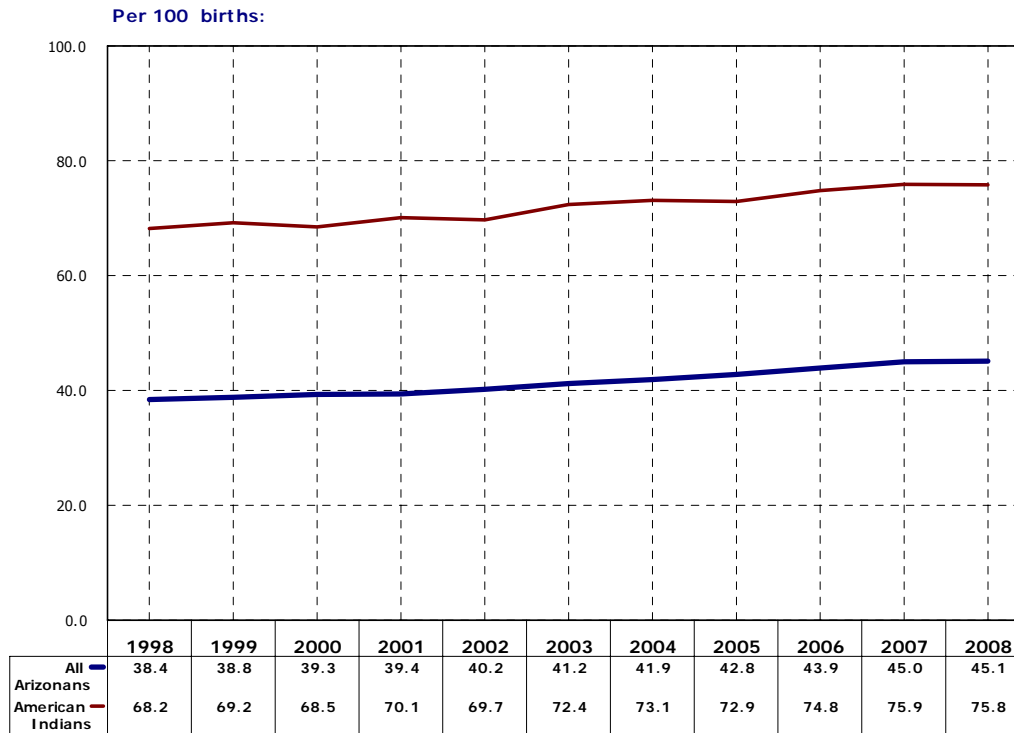
TRENDS IN SELECTED HEALTH PROBLEMS AND HEALTH RISKS AMONG AMERICAN INDIANS IN ARIZONA

3.1
Median Age at Death from all Causes,
1998-2008



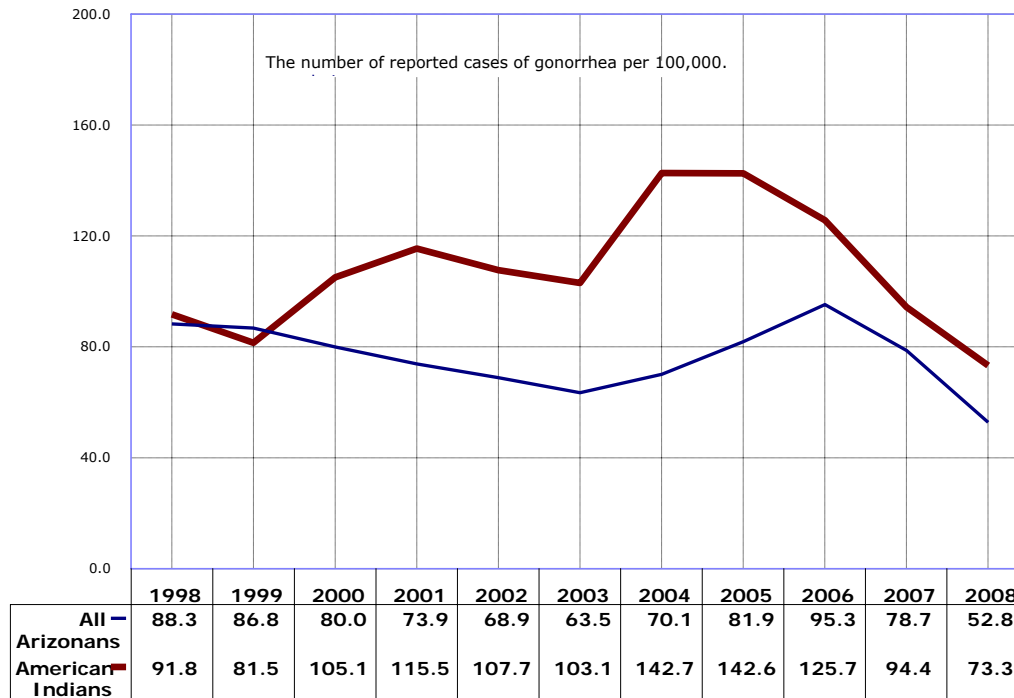
Source: Table 2D-1 in *Arizona Health Status and Vital Statistics 2008*.

3.2 Births to Unmarried Mothers, 1998-2008



Source: Table 1B-2 and Table 1B-13 in *Arizona Health Status and Vital Statistics 2008*.

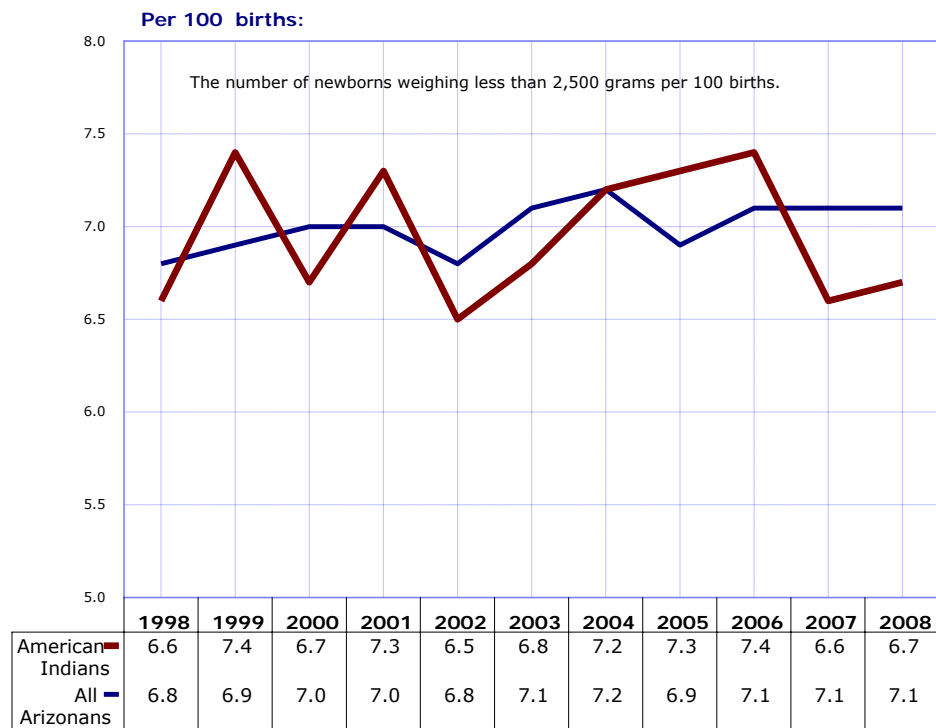
3.3 The Incidence of Gonorrhea, 1998-2008



The rates were provided by the Office of HIV, HEP C, STD in ADHS. Beginning in 2005, the rates are all positive Laboratory results with or without communicable disease report.

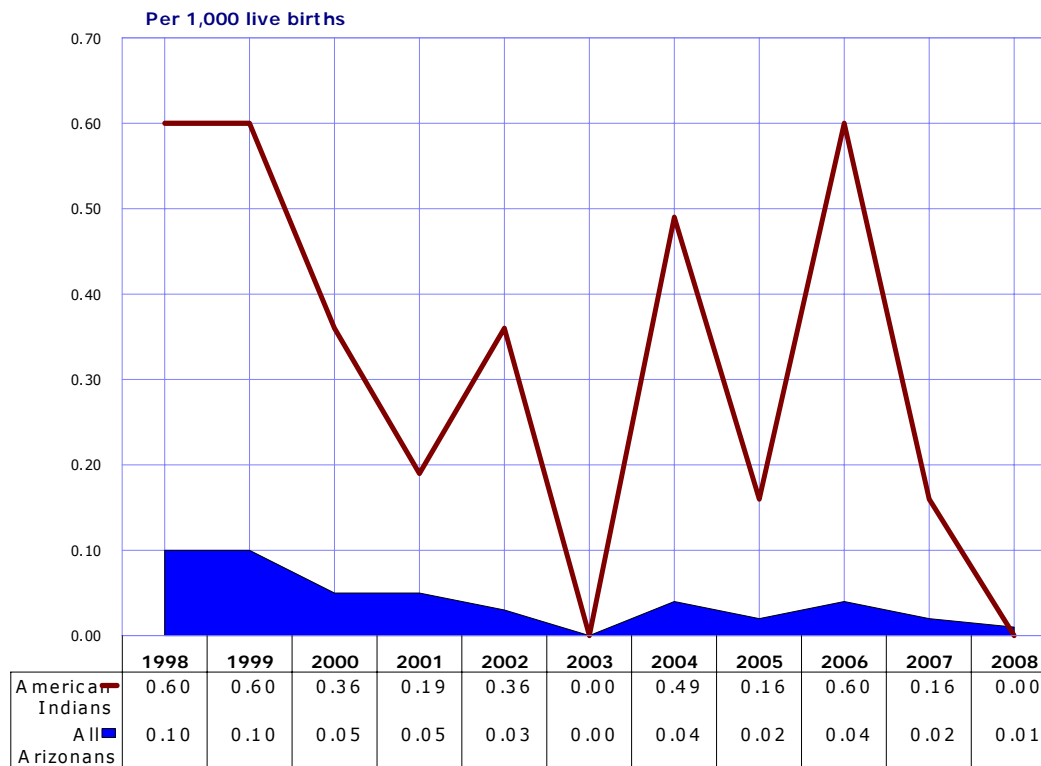
Source: Table 3B-5 in *Arizona Health Status and Vital Statistics 2008*.

3.4
The Incidence of Low-Birthweight Births, 1998-2008



Source: Table 1B-2 and Table 1B-12 in *Arizona Health Status and Vital Statistics 2008*.

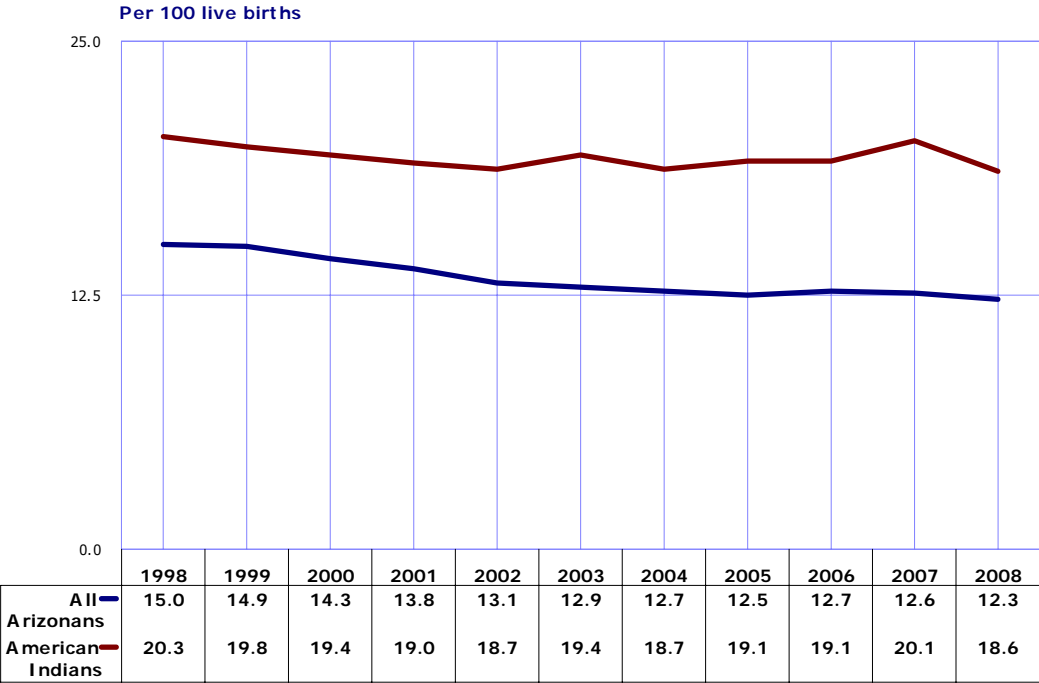
3.5 The Incidence of Fetal Alcohol Syndrome, 1998-2008



Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2008*.

Note: The incidence rates of Fetal Alcohol Syndrome are based on fewer than 10 cases/year and are not statistically reliable.

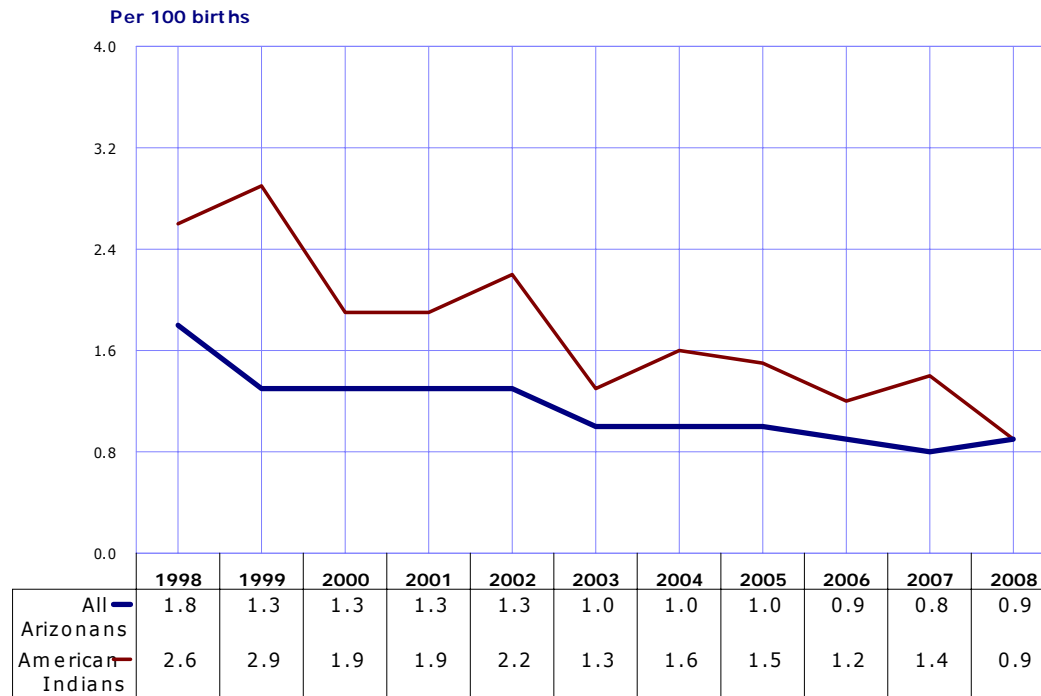
3.6
Births to Teenage Mothers,* 1998-2008



* 19 or younger.

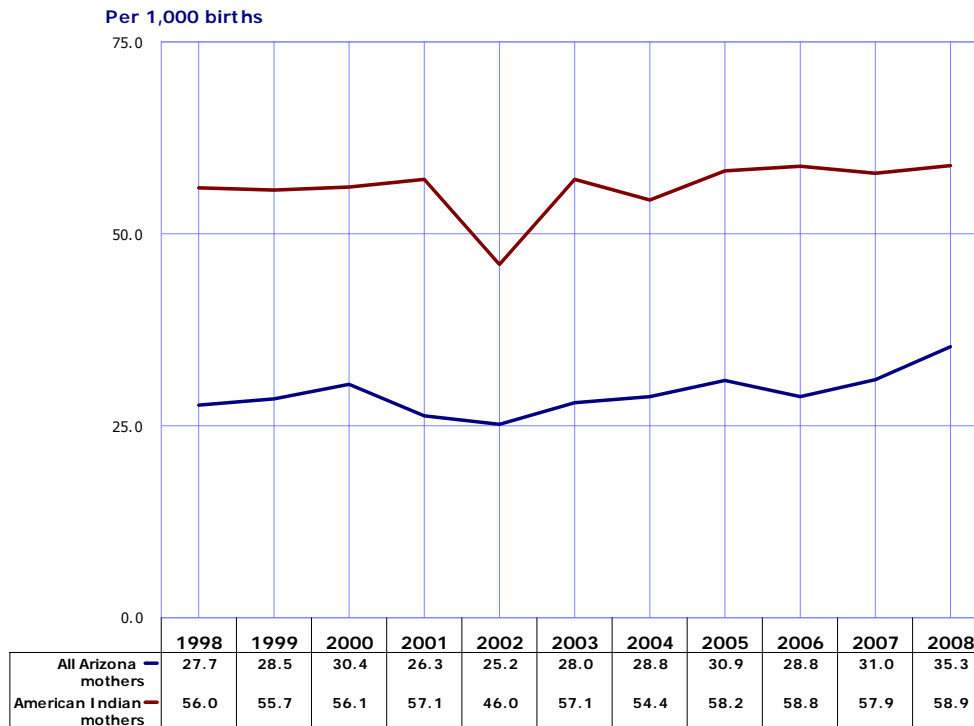
Source: Table 1B-2 and Table 1B-14 in *Arizona Health Status and Vital Statistics 2008*.

3.7
The Incidence of Birth Defects (Congenital Anomalies), 1998-2008



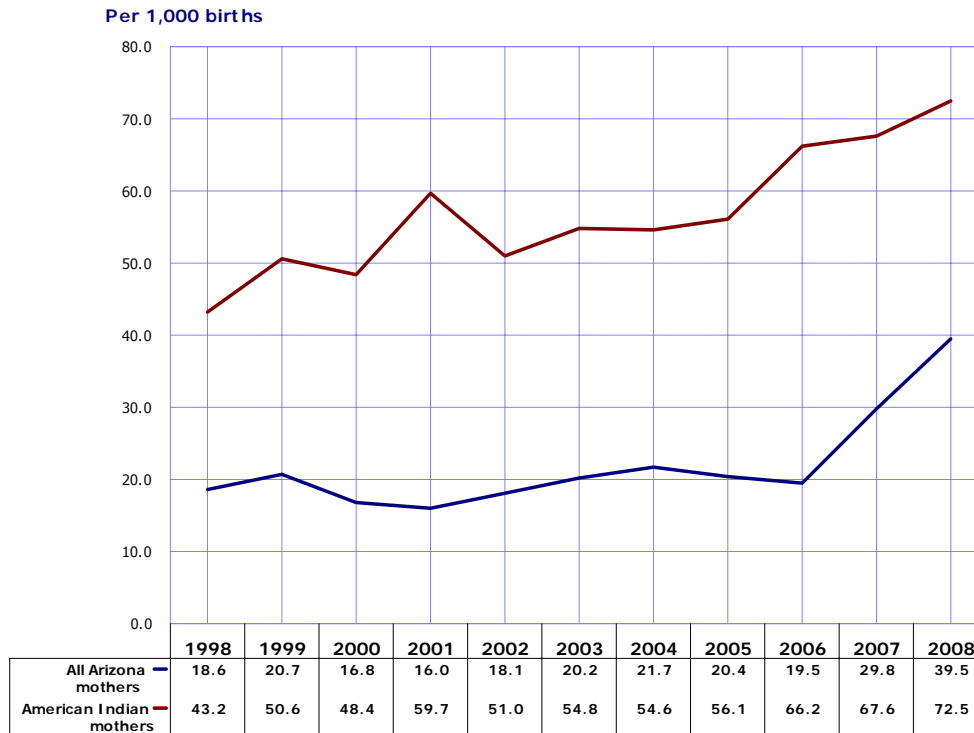
Source: Table 1B-35 in *Arizona Health Status and Vital Statistics 2008*.

3.8
The Incidence of Pregnancy Associated Hypertension, 1998-2008



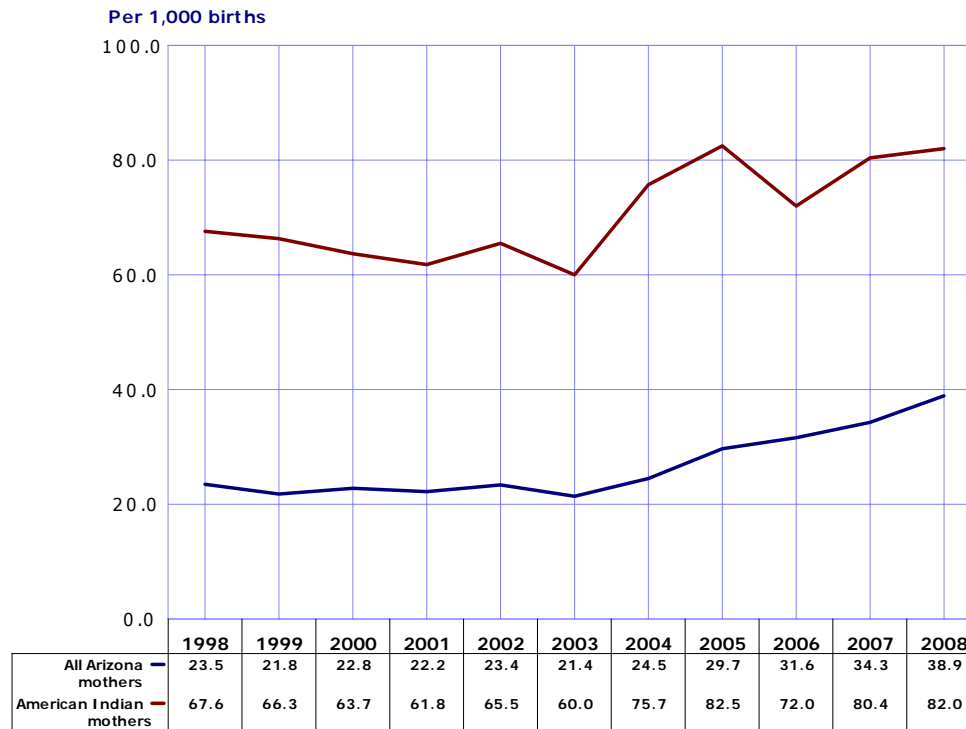
Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2008*.

3.9 The Incidence of Anemia during Pregnancy, 1998-2008

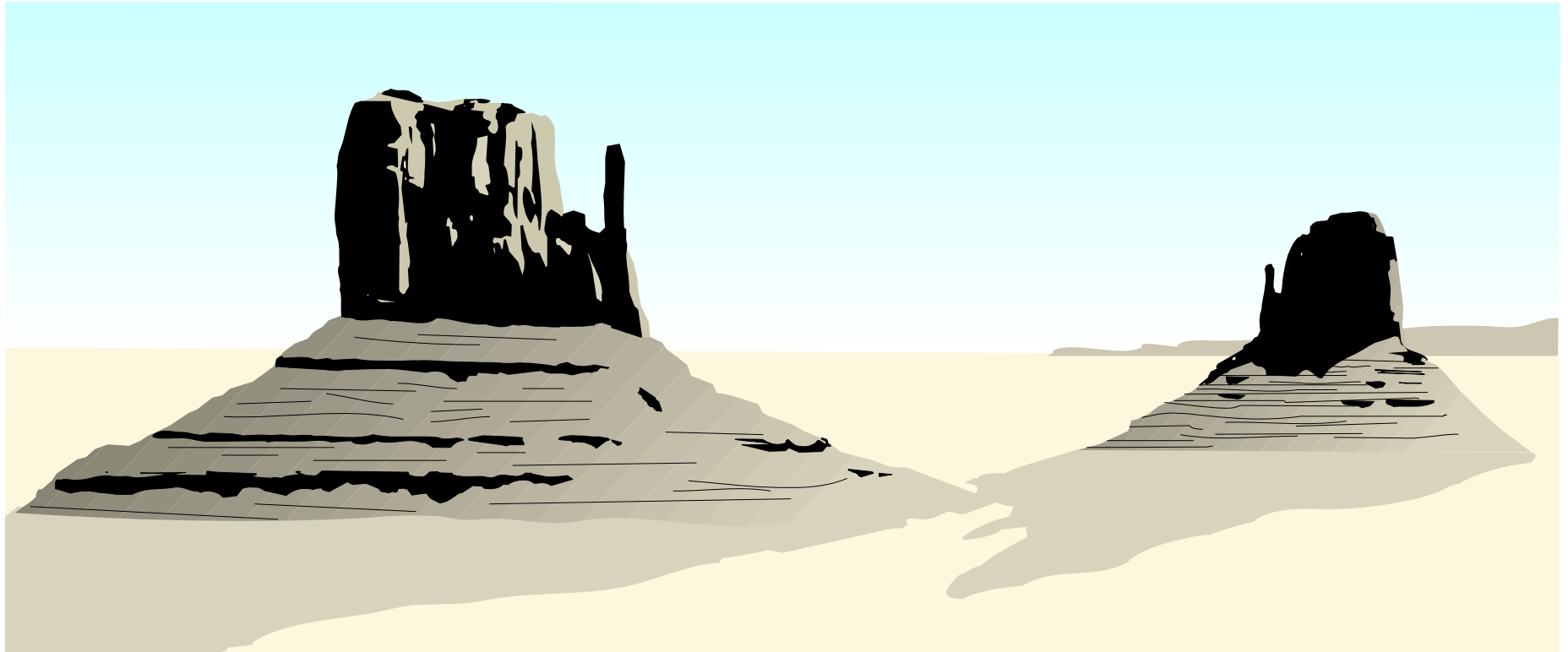


Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2008*.

3.10 The Incidence of Diabetes during Pregnancy, 1998-2008

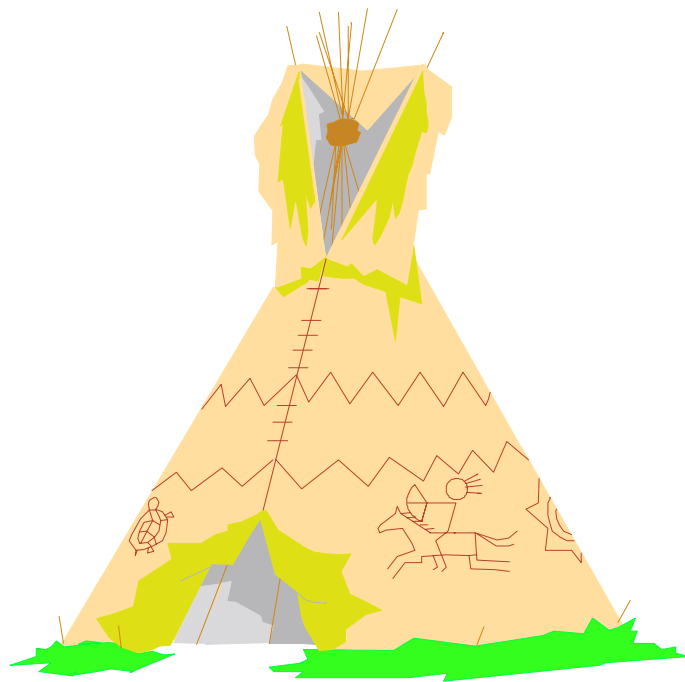


Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2008*.



IV.

CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND MOTHERS GIVING BIRTH BY PLACE OF RESIDENCE IN ARIZONA IN 2008



SOCIODEMOGRAPHIC CHARACTERISTICS

4.1
MATERNAL AGE (2008 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		6,362	22	408	755	2,064	1,583	974	437	113	6
Resided on reservation	Ak-Chin Indian Community	29	0	2	3	10	8	6	0	0	0
	Cocopah Tribe	7	0	1	0	3	2	1	0	0	0
	Colorado River Indian Tribe	23	0	1	4	7	6	5	0	0	0
	Fort McDowell Yavapai Nation	20	0	1	1	11	5	2	0	0	0
	Fort Mojave Indian Tribe	12	0	0	0	4	4	4	0	0	0
	Fort Yuma Quechan Tribe	19	0	0	2	8	6	2	0	1	0
	Gila River Indian Community	277	2	27	43	93	60	34	17	1	0
	Havasupai Tribe	17	0	0	3	6	6	1	0	1	0
	Hopi Tribe	110	1	11	19	36	16	14	8	5	0
	Hualapai Nation	37	0	3	3	12	13	5	0	1	0
	Kaibab-Paiute Tribe	1	0	0	0	1	0	0	0	0	0
	Navajo Nation	2,262	3	128	248	714	548	369	187	61	4
	Pascua Yaqui Tribe	106	0	9	12	36	26	17	6	0	0
	Salt River Pima-Maricopa Community	133	0	11	15	43	37	19	7	1	0
	San Carlos Apache Tribe	283	4	32	39	105	53	36	12	2	0
	Tohono O'Odham Tribe	338	3	30	46	103	85	52	16	3	0
	White Mountain Apache	403	5	49	69	127	91	37	18	6	1
	Yavapai-Apache Nation	15	0	0	3	6	5	0	1	0	0
	Yavapai-Prescott Indian Tribe	3	0	0	2	1	0	0	0	0	0
	TOTAL	4,095	18	305	512	1,326	971	604	272	82	5
Resided off reservation	---in Maricopa County	1,633	3	81	157	519	457	281	112	23	0
	---in Pima County	212	0	4	27	77	51	34	19	0	0
	---in Coconino County	44	0	3	4	14	10	6	5	1	1
	---elsewhere in Arizona	378	1	15	55	128	94	49	29	7	0
	TOTAL	2,267	4	103	243	738	612	370	165	31	1

4.2
EDUCATIONAL ATTAINMENT OF MOTHER (2008 STATUS)

		TOTAL BIRTHS	Mother's education						
			< 8	8	9-11	12	13-16	17+	Un-known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	50	154	1,724	2,425	1,784	175	50
Resided on reservation	Ak-Chin Indian Community	29	0	1	13	10	5	0	0
	Cocopah Tribe	7	0	0	3	3	1	0	0
	Colorado River Indian Tribe	23	0	0	5	11	4	0	3
	Fort McDowell Yavapai Nation	20	0	0	5	12	3	0	0
	Fort Mojave Indian Tribe	12	1	0	1	8	2	0	0
	Fort Yuma Quechan Tribe	19	0	1	3	13	2	0	0
	Gila River Indian Community	277	4	28	141	68	35	0	1
	Havasupai Tribe	17	0	0	8	7	1	0	1
	Hopi Tribe	110	0	3	25	52	28	2	0
	Hualapai Nation	37	0	1	17	12	7	0	0
	Kaibab-Paiute Tribe	1	0	0	0	1	0	0	0
	Navajo Nation	2,262	8	19	483	973	692	67	20
	Pascua Yaqui Tribe	106	0	7	39	39	19	2	0
	Salt River Pima-Maricopa Community	133	0	2	64	35	26	4	2
	San Carlos Apache Tribe	283	7	11	104	108	51	1	1
	Tohono O'Odham Tribe	338	8	11	137	116	59	5	2
	White Mountain Apache	403	1	12	174	148	61	6	1
	Yavapai-Apache Nation	15	0	1	9	4	1	0	0
	Yavapai-Prescott Indian Tribe	3	0	0	2	1	0	0	0
TOTAL	4,095	29	97	1,233	1,621	997	87	31	
Resided off reservation	---in Maricopa County	1,633	16	39	348	560	591	66	13
	---in Pima County	212	0	6	35	88	70	12	1
	---in Coconino County	44	0	1	12	14	14	2	1
	---elsewhere in Arizona	378	5	11	96	142	112	8	4
	TOTAL	2,267	21	57	491	804	787	88	19

4.3
MARITAL STATUS OF MOTHER (2008 STATUS)

		TOTAL BIRTHS	Marital status		
			Married	Unmarried	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	1,460	4,820	82
Resided on reservation	Ak-Chin Indian Community	29	12	17	0
	Cocopah Tribe	7	1	6	0
	Colorado River Indian Tribe	23	7	16	0
	Fort McDowell Yavapai Nation	20	3	17	0
	Fort Mojave Indian Tribe	12	2	10	0
	Fort Yuma Quechan Tribe	19	3	16	0
	Gila River Indian Community	277	27	246	4
	Havasupai Tribe	17	0	16	1
	Hopi Tribe	110	9	100	1
	Hualapai Nation	37	6	30	1
	Kaibab-Paiute Tribe	1	0	1	0
	Navajo Nation	2,262	511	1,723	28
	Pascua Yaqui Tribe	106	20	86	0
	Salt River Pima-Maricopa Community	133	17	113	3
	San Carlos Apache Tribe	283	56	226	1
	Tohono O'Odham Tribe	338	34	300	4
	White Mountain Apache	403	89	313	1
	Yavapai-Apache Nation	15	4	11	0
	Yavapai-Prescott Indian Tribe	3	0	3	0
	TOTAL	4,095	801	3,250	44
Resided off reservation	---in Maricopa County	1,633	460	1,146	27
	---in Pima County	212	62	145	5
	---in Coconino County	44	11	33	0
	---elsewhere in Arizona	378	126	246	6
	TOTAL	2,267	659	1,570	38

4.4
RACE/ETHNICITY OF FATHER (2008 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	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	337	667	151	3,626	40	1,541
Resided on reservation	Ak-Chin Indian Community	29	0	4	1	12	1	11
	Cocopah Tribe	7	1	2	0	3	0	1
	Colorado River Indian Tribe	23	3	6	0	8	0	6
	Fort McDowell Yavapai Nation	20	0	2	1	11	0	6
	Fort Mojave Indian Tribe	12	1	0	1	8	0	2
	Fort Yuma Quechan Tribe	19	1	6	0	8	0	4
	Gila River Indian Community	277	6	14	5	153	0	99
	Havasupai Tribe	17	1	0	0	7	0	9
	Hopi Tribe	110	1	4	0	76	1	28
	Hualapai Nation	37	1	1	0	23	0	12
	Kaibab-Paiute Tribe	1	0	0	0	1	0	0
	Navajo Nation	2,262	37	57	13	1,733	6	416
	Pascua Yaqui Tribe	106	1	19	1	55	2	28
	Salt River Pima-Maricopa Community	133	4	9	3	69	1	47
	San Carlos Apache Tribe	283	1	6	3	193	0	80
	Tohono O'Odham Tribe	338	5	29	6	167	1	130
	White Mountain Apache	403	5	2	1	315	0	80
	Yavapai-Apache Nation	15	2	3	0	6	0	4
	Yavapai-Prescott Indian Tribe	3	0	1	0	0	0	2
		TOTAL	4,095	70	165	35	2,848	12
Resided off reservation	---in Maricopa County	1,633	168	362	98	567	22	416
	---in Pima County	212	33	44	11	74	2	48
	---in Coconino County	44	4	8	1	24	0	7
	---elsewhere in Arizona	378	62	88	6	113	4	105
		TOTAL	2,267	267	502	116	778	28

4.5
AGE OF FATHER (2008 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		6,362	3	144	410	1,447	1,262	856	502	211	89	24	8	1,406
Resided on reservation	Ak-Chin Indian Community	29	0	0	1	6	4	3	4	0	0	0	0	11
	Cocopah Tribe	7	0	0	0	3	1	2	0	0	0	0	0	1
	Colorado River Indian Tribe	23	0	0	0	4	6	2	4	0	0	0	0	7
	Fort McDowell Yavapai Nation	20	0	1	0	8	3	2	1	0	0	0	0	5
	Fort Mojave Indian Tribe	12	0	0	0	3	2	3	2	0	0	0	0	2
	Fort Yuma Quechan Tribe	19	0	0	0	3	8	2	1	0	0	1	0	4
	Gila River Indian Community	277	0	12	31	48	38	30	14	3	2	1	0	98
	Havasupai Tribe	17	0	0	1	1	3	1	2	0	0	0	0	9
	Hopi Tribe	110	0	2	12	28	15	13	8	2	0	3	0	27
	Hualapai Nation	37	0	1	0	9	2	7	3	2	0	0	1	12
	Kaibab-Paiute Tribe	1	0	0	0	0	1	0	0	0	0	0	0	0
	Navajo Nation	2,262	0	45	136	540	460	333	192	104	50	6	5	391
	Pascua Yaqui Tribe	106	1	1	7	30	18	15	7	1	0	0	0	26
	Salt River Pima-Maricopa Community	133	0	7	10	25	22	12	7	3	2	0	0	45
	San Carlos Apache Tribe	283	1	14	17	66	52	29	11	10	2	0	0	81
	Tohono O'Odham Tribe	338	0	8	17	73	58	30	12	8	4	1	0	127
	White Mountain Apache	403	0	23	50	98	78	39	25	9	6	2	0	73
	Yavapai-Apache Nation	15	0	0	2	4	3	1	0	1	0	0	0	4
Yavapai-Prescott Indian Tribe	3	0	0	0	1	0	0	0	0	0	0	0	2	
	TOTAL	4,095	2	114	284	950	774	524	293	143	66	14	6	925
Resided off reservation	---in Maricopa County	1,633	1	20	82	359	366	242	144	53	18	5	1	342
	---in Pima County	212	0	4	14	53	39	30	27	3	1	1	1	39
	---in Coconino County	44	0	0	4	14	11	2	3	1	2	0	0	7
	---elsewhere in Arizona	378	0	6	26	71	72	58	35	11	2	4	0	93
		TOTAL	2,267	1	30	126	497	488	332	209	68	23	10	2

4.6
SOURCE OF PAYMENT FOR LABOR AND DELIVERY (2008 STATUS)

		TOTAL BIRTHS	Payee for births				
			AHCCCS	IHS	Private insurance	Self	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	3,553	1,768	839	48	154
Resided on reservation	Ak-Chin Indian Community	29	17	6	5	0	1
	Cocopah Tribe	7	5	2	0	0	0
	Colorado River Indian Tribe	23	3	14	6	0	0
	Fort McDowell Yavapai Nation	20	7	1	12	0	0
	Fort Mojave Indian Tribe	12	7	0	5	0	0
	Fort Yuma Quechan Tribe	19	16	0	2	1	0
	Gila River Indian Community	277	191	29	55	2	0
	Havasupai Tribe	17	17	0	0	0	0
	Hopi Tribe	110	41	64	5	0	0
	Hualapai Nation	37	31	1	5	0	0
	Kaibab-Paiute Tribe	1	0	0	1	0	0
	Navajo Nation	2,262	1,226	833	105	5	93
	Pascua Yaqui Tribe	106	74	16	13	1	2
	Salt River Pima-Maricopa Community	133	93	17	22	1	0
	San Carlos Apache Tribe	283	66	197	15	2	3
	Tohono O'Odham Tribe	338	170	113	47	5	3
	White Mountain Apache	403	181	199	16	3	4
	Yavapai-Apache Nation	15	9	2	2	2	0
	Yavapai-Prescott Indian Tribe	3	2	0	1	0	0
		TOTAL	4,095	2,156	1,494	317	22
Resided off reservation	---in Maricopa County	1,633	1,036	182	387	15	13
	---in Pima County	212	128	30	47	5	2
	---in Coconino County	44	35	2	5	1	1
	---elsewhere in Arizona	378	198	60	83	5	32
		TOTAL	2,267	1,397	274	522	26

*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 (2008 STATUS)

		TOTAL BIRTHS	Weight gain						
			None	1-15 pounds	16-20 pounds	21-24 pounds	25-30 pounds	31+ pounds	Un-known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	123	1,116	854	435	1,577	2,161	96
Resided on reservation	Ak-Chin Indian Community	29	1	5	1	1	18	3	0
	Cocopah Tribe	7	0	1	0	0	4	2	0
	Colorado River Indian Tribe	23	1	9	4	2	2	4	1
	Fort McDowell Yavapai Nation	20	0	0	2	2	3	12	1
	Fort Mojave Indian Tribe	12	0	3	2	1	3	3	0
	Fort Yuma Quechan Tribe	19	0	3	1	0	9	6	0
	Gila River Indian Community	277	5	26	33	5	138	67	3
	Havasupai Tribe	17	0	3	1	0	5	8	0
	Hopi Tribe	110	0	26	17	9	24	30	4
	Hualapai Nation	37	0	9	6	1	10	11	0
	Kaibab-Paiute Tribe	1	0	0	1	0	0	0	0
	Navajo Nation	2,262	23	464	309	164	561	674	67
	Pascua Yaqui Tribe	106	4	23	17	8	21	33	0
	Salt River Pima-Maricopa Community	133	5	21	11	11	24	61	0
	San Carlos Apache Tribe	283	5	49	56	7	69	90	7
	Tohono O'Odham Tribe	338	20	65	40	32	63	116	2
	White Mountain Apache	403	8	73	63	31	74	150	4
	Yavapai-Apache Nation	15	0	2	0	0	9	4	0
Yavapai-Prescott Indian Tribe	3	0	0	1	0	1	1	0	
	TOTAL	4,095	72	782	565	274	1,038	1,275	89
Resided off reservation	---in Maricopa County	1,633	30	234	220	132	381	631	5
	---in Pima County	212	7	35	13	10	40	107	0
	---in Coconino County	44	0	6	6	2	8	22	0
	---elsewhere in Arizona	378	14	59	50	17	110	126	2
		TOTAL	2,267	51	334	289	161	539	886

4.8

MEDICAL RISK FACTORS OF PREGNANCY (2008 STATUS)

		TOTAL BIRTHS	Births with medical risk factors	Medical risk factors																
				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		6,362	2,695	461	18	87	522	56	141	1	91	375	72	71	78	35	3	30	7	1,641
Resided on reservation	Ak-Chin Indian Community	29	6	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1
	Cocopah Tribe	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Colorado River Indian Tribe	23	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fort McDowell Yavapai Nation	20	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fort Mojave Indian Tribe	12	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fort Yuma Quechan Tribe	19	4	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	277	85	20	0	1	22	0	3	0	3	11	1	0	0	0	0	1	1	45
	Havasupai Tribe	17	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	Hopi Tribe	110	38	1	0	2	9	0	3	0	3	8	1	2	1	0	0	0	0	18
	Hualapai Nation	37	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Kaibab-Paiute Tribe	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Navajo Nation	2,262	783	122	9	47	175	13	41	1	27	126	18	27	31	6	0	8	2	313
	Pascua Yaqui Tribe	106	63	10	0	0	10	1	3	0	0	6	0	0	0	0	0	0	0	51
	Salt River Pima-Maricopa Community	133	75	21	0	2	17	2	4	0	4	14	4	0	2	0	0	3	0	53
	San Carlos Apache Tribe	283	131	25	0	0	17	1	9	0	8	20	3	0	1	0	0	1	0	91
	Tohono O'Odham Tribe	338	217	12	2	0	38	2	17	0	6	23	19	0	0	0	0	1	0	189
	White Mountain Apache	403	208	30	3	17	31	5	7	0	5	39	1	14	24	25	0	8	1	117
Yavapai-Apache Nation	15	4	0	0	0	2	1	0	0	0	0	1	1	1	0	0	0	0	3	
Yavapai-Prescott Indian Tribe	3	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
TOTAL	4,095	1,630	245	14	69	330	26	87	1	58	247	48	44	60	31	0	22	4	895	
Resided off reservation	---in Maricopa County	1,633	839	193	4	13	160	23	42	0	24	100	18	22	15	1	3	5	2	596
	---in Pima County	212	102	8	0	0	13	1	7	0	1	9	5	0	0	0	0	0	0	84
	---in Coconino County	44	10	0	0	4	0	0	0	0	1	3	0	0	0	0	0	0	0	2
	---elsewhere in Arizona	378	114	15	0	1	19	6	5	0	7	16	1	5	3	3	0	3	1	64
	TOTAL	2,267	1,065	216	4	18	192	30	54	0	33	128	24	27	18	4	3	8	3	746

4.9
SUBSTANCE USE DURING PREGNANCY (2008 STATUS)

		TOTAL BIRTHS	Substance use			
			Drinker, nonsmoker	Smoker, nondrinker	Smoker and drinker	Nonsmoker and nondrinker
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	52	150	31	6,129
Resided on reservation	Ak-Chin Indian Community	29	0	0	1	28
	Cocopah Tribe	7	0	0	0	7
	Colorado River Indian Tribe	23	0	0	0	23
	Fort McDowell Yavapai Nation	20	1	0	0	19
	Fort Mojave Indian Tribe	12	0	0	0	12
	Fort Yuma Quechan Tribe	19	0	0	0	19
	Gila River Indian Community	277	1	7	0	269
	Havasupai Tribe	17	1	0	0	16
	Hopi Tribe	110	3	1	1	105
	Hualapai Nation	37	1	0	2	34
	Kaibab-Paiute Tribe	1	0	0	0	1
	Navajo Nation	2,262	7	24	9	2,222
	Pascua Yaqui Tribe	106	1	1	1	103
	Salt River Pima-Maricopa Community	133	1	7	4	121
	San Carlos Apache Tribe	283	2	10	3	268
	Tohono O'Odham Tribe	338	7	9	0	322
	White Mountain Apache	403	14	7	2	380
	Yavapai-Apache Nation	15	1	2	0	12
	Yavapai-Prescott Indian Tribe	3	0	0	0	3
		TOTAL	4,095	40	68	23
Resided off reservation	---in Maricopa County	1,633	7	52	7	1,567
	---in Pima County	212	1	9	0	202
	---in Coconino County	44	0	0	0	44
	---elsewhere in Arizona	378	4	21	1	352
		TOTAL	2,267	12	82	8



Utilization of Medical Services

4.10
TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN (2008 STATUS)

		TOTAL BIRTHS	Prenatal care				
			No care	1st trimester	2nd trimester	3rd trimester	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	199	4,141	1,510	495	17
Resided on reservation	Ak-Chin Indian Community	29	1	26	2	0	0
	Cocopah Tribe	7	0	3	2	2	0
	Colorado River Indian Tribe	23	1	14	8	0	0
	Fort McDowell Yavapai Nation	20	1	16	3	0	0
	Fort Mojave Indian Tribe	12	0	9	2	1	0
	Fort Yuma Quechan Tribe	19	0	13	4	2	0
	Gila River Indian Community	277	6	218	42	10	1
	Havasupai Tribe	17	2	12	3	0	0
	Hopi Tribe	110	5	60	33	12	0
	Hualapai Nation	37	3	28	4	2	0
	Kaibab-Paiute Tribe	1	0	1	0	0	0
	Navajo Nation	2,262	51	1,399	601	202	9
	Pascua Yaqui Tribe	106	5	74	20	7	0
	Salt River Pima-Maricopa Community	133	7	71	40	15	0
	San Carlos Apache Tribe	283	14	135	99	30	5
	Tohono O'Odham Tribe	338	11	193	96	38	0
	White Mountain Apache	403	18	231	109	45	0
	Yavapai-Apache Nation	15	1	7	4	3	0
	Yavapai-Prescott Indian Tribe	3	0	1	1	1	0
		TOTAL	4,095	126	2,511	1,073	370
Resided off reservation	---in Maricopa County	1,633	45	1,213	303	71	1
	---in Pima County	212	8	135	58	11	0
	---in Coconino County	44	0	34	9	1	0
	---elsewhere in Arizona	378	20	248	67	42	1
		TOTAL	2,267	73	1,630	437	125

4.11
NUMBER OF PRENATAL VISITS (2008 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		6,362	199	589	1,745	2,626	1,187	16
Resided on reservation	Ak-Chin Indian Community	29	1	0	5	15	8	0
	Cocopah Tribe	7	0	2	2	2	1	0
	Colorado River Indian Tribe	23	1	1	10	5	6	0
	Fort McDowell Yavapai Nation	20	1	0	6	9	4	0
	Fort Mojave Indian Tribe	12	0	2	2	4	4	0
	Fort Yuma Quechan Tribe	19	0	3	6	6	4	0
	Gila River Indian Community	277	6	11	47	142	70	1
	Havasupai Tribe	17	2	1	5	6	3	0
	Hopi Tribe	110	5	12	33	43	16	1
	Hualapai Nation	37	3	4	5	11	14	0
	Kaibab-Paiute Tribe	1	0	0	0	1	0	0
	Navajo Nation	2,262	51	229	630	881	463	8
	Pascua Yaqui Tribe	106	5	4	31	41	25	0
	Salt River Pima-Maricopa Community	133	7	19	45	39	23	0
	San Carlos Apache Tribe	283	14	49	103	83	30	4
	Tohono O'Odham Tribe	338	11	41	105	138	43	0
	White Mountain Apache	403	18	61	150	149	25	0
	Yavapai-Apache Nation	15	1	2	4	8	0	0
	Yavapai-Prescott Indian Tribe	3	0	0	2	0	1	0
		TOTAL	4,095	126	441	1,191	1,583	740
Resided off reservation	---in Maricopa County	1,633	45	115	389	772	311	1
	---in Pima County	212	8	12	48	97	47	0
	---in Coconino County	44	0	2	14	21	7	0
	---elsewhere in Arizona	378	20	19	103	153	82	1
		TOTAL	2,267	73	148	554	1,043	447

**4.12
OBSTETRIC PROCEDURES (2008 STATUS)**

		TOTAL BIRTHS	Obstetric procedures						
			Amniocentesis	Electronic Fetal Monitor	Induction of labor	Stimulation of labor	Tocolysis	Ultrasound	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	45	5,793	1,182	1,257	48	3,978	486
Resided on reservation	Ak-Chin Indian Community	29	0	29	0	4	0	27	1
	Cocopah Tribe	7	0	7	0	0	0	7	0
	Colorado River Indian Tribe	23	0	21	2	1	0	18	1
	Fort McDowell Yavapai Nation	20	0	20	5	2	0	16	0
	Fort Mojave Indian Tribe	12	0	12	11	1	0	12	0
	Fort Yuma Quechan Tribe	19	0	19	0	0	0	19	0
	Gila River Indian Community	277	2	275	21	38	1	249	18
	Havasupai Tribe	17	0	17	6	3	0	7	0
	Hopi Tribe	110	1	93	24	19	0	31	5
	Hualapai Nation	37	0	37	3	1	1	3	0
	Kaibab-Paiute Tribe	1	0	1	0	0	0	0	0
	Navajo Nation	2,262	15	2,007	399	388	22	1,185	60
	Pascua Yaqui Tribe	106	0	105	17	15	1	76	10
	Salt River Pima-Maricopa Community	133	2	132	33	45	0	90	21
	San Carlos Apache Tribe	283	3	215	63	39	0	196	57
	Tohono O'Odham Tribe	338	2	331	55	20	1	320	15
	White Mountain Apache	403	2	279	76	98	14	310	27
	Yavapai-Apache Nation	15	0	13	7	1	0	13	0
	Yavapai-Prescott Indian Tribe	3	0	3	1	0	0	3	0
		TOTAL	4,095	27	3,616	723	675	40	2,582
Resided off reservation	---in Maricopa County	1,633	18	1,607	371	475	3	879	227
	---in Pima County	212	0	206	24	31	2	201	23
	---in Coconino County	44	0	39	14	17	0	29	0
	---elsewhere in Arizona	378	0	325	50	59	3	287	21
		TOTAL	2,267	18	2,177	459	582	8	1,396

4.13

COMPLICATIONS OF LABOR AND DELIVERY (2008 STATUS)

		TOTAL BIRTHS	Births with complications of labor and/or delivery	Complications of labor and/or delivery															
				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		6,362	1,888	130	274	244	27	14	107	7	92	99	210	190	30	13	1	236	881
Resided on reservation	Ak-Chin Indian Community	29	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	Cocopah Tribe	7	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
	Colorado River Indian Tribe	23	3	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1
	Fort McDowell Yavapai Nation	20	3	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	2
	Fort Mojave Indian Tribe	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Fort Yuma Quechan Tribe	19	6	0	2	0	0	0	0	0	0	0	0	1	0	0	0	2	2
	Gila River Indian Community	277	55	1	9	1	0	0	0	0	2	2	7	9	0	0	0	13	27
	Havasupai Tribe	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hopi Tribe	110	29	2	5	3	0	0	1	0	4	3	5	4	0	0	0	3	11
	Hualapai Nation	37	2	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	Kaibab-Paiute Tribe	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Navajo Nation	2,262	565	59	76	106	10	8	54	3	33	43	94	61	7	5	0	55	135
	Pascua Yaqui Tribe	106	35	2	11	2	1	0	2	0	1	0	0	3	0	0	0	4	17
	Salt River Pima-Maricopa Community	133	55	6	10	4	1	0	4	3	6	4	8	2	2	0	1	8	23
	San Carlos Apache Tribe	283	99	3	10	7	1	0	2	0	10	3	1	9	0	0	0	5	60
	Tohono O'Odham Tribe	338	94	1	35	9	3	1	2	0	1	3	1	2	2	0	0	8	51
	White Mountain Apache	403	144	2	13	29	2	1	11	0	5	7	44	20	8	0	0	32	72
	Yavapai-Apache Nation	15	6	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	2
	Yavapai-Prescott Indian Tribe	3	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	4,095	1,103	76	175	161	19	10	77	6	65	65	161	113	19	5	1	134	407	
Resided off reservation	---in Maricopa County	1,633	634	50	80	76	5	3	25	0	22	30	40	69	7	8	0	77	381
	---in Pima County	212	69	1	14	3	0	1	1	0	1	2	1	1	1	0	0	9	49
	---in Coconino County	44	4	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	2
	---elsewhere in Arizona	378	78	3	5	4	3	0	4	1	3	1	7	7	3	0	0	16	42
	TOTAL	2,267	785	54	99	83	8	4	30	1	27	34	49	77	11	8	0	102	474

4.14
METHOD OF DELIVERY (2008 STATUS)

		TOTAL BIRTHS	Method of delivery					
			Vaginal	Vaginal after C-Section	Primary C-Section	Repeat C-Section	Forceps	Vacuum
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	4,780	114	812	656	24	101
Resided on reservation	Ak-Chin Indian Community	29	19	0	2	8	0	0
	Cocopah Tribe	7	5	0	2	0	0	0
	Colorado River Indian Tribe	23	20	0	1	2	0	1
	Fort McDowell Yavapai Nation	20	14	0	4	2	0	0
	Fort Mojave Indian Tribe	12	9	0	2	1	0	0
	Fort Yuma Quechan Tribe	19	14	0	3	2	0	0
	Gila River Indian Community	277	200	1	43	33	0	1
	Havasupai Tribe	17	13	0	1	3	0	0
	Hopi Tribe	110	86	3	9	12	0	1
	Hualapai Nation	37	23	0	6	8	1	0
	Kaibab-Paiute Tribe	1	1	0	0	0	0	0
	Navajo Nation	2,262	1,805	56	228	173	10	29
	Pascua Yaqui Tribe	106	76	2	16	12	1	3
	Salt River Pima-Maricopa Community	133	95	2	23	13	0	4
	San Carlos Apache Tribe	283	204	7	39	33	0	11
	Tohono O'Odham Tribe	338	260	4	39	35	0	8
	White Mountain Apache	403	286	3	61	53	2	11
	Yavapai-Apache Nation	15	10	0	2	3	1	0
	Yavapai-Prescott Indian Tribe	3	2	0	1	0	0	0
	TOTAL	4,095	3,142	78	482	393	15	69
Resided off reservation	---in Maricopa County	1,633	1,178	31	241	183	6	20
	---in Pima County	212	157	2	27	26	0	6
	---in Coconino County	44	38	0	2	4	1	0
	---elsewhere in Arizona	378	265	3	60	50	2	6
	TOTAL	2,267	1,638	36	330	263	9	32

**4.15
ATTENDANT AT BIRTH (2008 STATUS)**

		TOTAL BIRTHS	M.D.	C.N.M	Hospital Admin.	Midwife	D.O.	Other	Un-known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	4,109	1,730	0	54	421	27	21
Resided on reservation	Ak-Chin Indian Community	29	22	1	0	0	6	0	0
	Cocopah Tribe	7	5	2	0	0	0	0	0
	Colorado River Indian Tribe	23	8	0	0	0	15	0	0
	Fort McDowell Yavapai Nation	20	14	4	0	0	2	0	0
	Fort Mojave Indian Tribe	12	12	0	0	0	0	0	0
	Fort Yuma Quechan Tribe	19	14	5	0	0	0	0	0
	Gila River Indian Community	277	208	10	0	0	59	0	0
	Havasupai Tribe	17	15	0	0	0	2	0	0
	Hopi Tribe	110	61	47	0	1	1	0	0
	Hualapai Nation	37	23	0	0	0	14	0	0
	Kaibab-Paiute Tribe	1	0	0	0	0	1	0	0
	Navajo Nation	2,262	1,023	1,128	0	31	49	11	20
	Pascua Yaqui Tribe	106	73	30	0	0	2	1	0
	Salt River Pima-Maricopa Community	133	104	28	0	0	0	1	0
	San Carlos Apache Tribe	283	260	4	0	0	15	4	0
	Tohono O'Odham Tribe	338	321	12	0	0	5	0	0
	White Mountain Apache	403	313	3	0	0	84	3	0
	Yavapai-Apache Nation	15	15	0	0	0	0	0	0
	Yavapai-Prescott Indian Tribe	3	3	0	0	0	0	0	0
	TOTAL	4,095	2,494	1,274	0	32	255	20	20
Resided off reservation	---in Maricopa County	1,633	1,104	414	0	4	107	3	1
	---in Pima County	212	179	22	0	0	9	2	0
	---in Coconino County	44	42	1	0	1	0	0	0
	---elsewhere in Arizona	378	290	19	0	17	50	2	0
		TOTAL	2,267	1,615	456	0	22	166	7



Newborn's Health

4.16
GESTATIONAL AGE (2008 STATUS)

		TOTAL BIRTHS	Length of gestation			
			<37 weeks	37-41 weeks	42+ weeks	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	621	5,688	46	7
Resided on reservation	Ak-Chin Indian Community	29	4	25	0	0
	Cocopah Tribe	7	0	5	2	0
	Colorado River Indian Tribe	23	3	20	0	0
	Fort McDowell Yavapai Nation	20	1	19	0	0
	Fort Mojave Indian Tribe	12	0	12	0	0
	Fort Yuma Quechan Tribe	19	2	16	1	0
	Gila River Indian Community	277	21	254	1	1
	Havasupai Tribe	17	2	15	0	0
	Hopi Tribe	110	9	100	1	0
	Hualapai Nation	37	7	30	0	0
	Kaibab-Paiute Tribe	1	0	1	0	0
	Navajo Nation	2,262	188	2,045	25	4
	Pascua Yaqui Tribe	106	14	92	0	0
	Salt River Pima-Maricopa Community	133	14	119	0	0
	San Carlos Apache Tribe	283	36	244	1	2
	Tohono O'Odham Tribe	338	29	308	1	0
	White Mountain Apache	403	57	338	8	0
	Yavapai-Apache Nation	15	3	12	0	0
	Yavapai-Prescott Indian Tribe	3	0	3	0	0
		TOTAL	4,095	390	3,658	40
Resided off reservation	---in Maricopa County	1,633	183	1,447	3	0
	---in Pima County	212	16	195	1	0
	---in Coconino County	44	5	39	0	0
	---elsewhere in Arizona	378	27	349	2	0
		TOTAL	2,267	231	2,030	6

4.17
WEIGHT AT BIRTH (2008 STATUS)

		TOTAL BIRTHS	Weight at birth					Un-known
			<1,000 grams	1,000-1,499	1,500-2,499	2,500-3,999	4000+	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,362	34	38	356	5,370	559	5
Resided on reservation	Ak-Chin Indian Community	29	0	0	1	28	0	0
	Cocopah Tribe	7	0	0	0	7	0	0
	Colorado River Indian Tribe	23	1	0	0	19	3	0
	Fort McDowell Yavapai Nation	20	0	0	0	19	1	0
	Fort Mojave Indian Tribe	12	0	0	0	11	1	0
	Fort Yuma Quechan Tribe	19	0	0	1	16	2	0
	Gila River Indian Community	277	1	2	12	234	28	0
	Havasupai Tribe	17	1	0	0	16	0	0
	Hopi Tribe	110	0	0	9	97	4	0
	Hualapai Nation	37	0	1	0	33	3	0
	Kaibab-Paiute Tribe	1	0	0	0	1	0	0
	Navajo Nation	2,262	7	12	128	1,937	175	3
	Pascua Yaqui Tribe	106	0	1	9	89	7	0
	Salt River Pima-Maricopa Community	133	2	2	7	106	16	0
	San Carlos Apache Tribe	283	2	1	24	238	18	0
	Tohono O'Odham Tribe	338	2	2	17	284	33	0
	White Mountain Apache	403	5	6	29	334	29	0
	Yavapai-Apache Nation	15	0	0	1	14	0	0
	Yavapai-Prescott Indian Tribe	3	0	0	0	2	1	0
	TOTAL	4,095	21	27	238	3,485	321	3
Resided off reservation	---in Maricopa County	1,633	10	9	89	1,345	178	2
	---in Pima County	212	0	2	12	181	17	0
	---in Coconino County	44	0	0	2	39	3	0
	---elsewhere in Arizona	378	3	0	15	320	40	0
	TOTAL	2,267	13	11	118	1,885	238	2

4.18

ABNORMAL CONDITIONS OF THE NEWBORN (2008 STATUS)

		TOTAL BIRTHS	Births with abnormal conditions of the newborn	Abnormal conditions								
				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		6,362	366	9	33	0	22	5	40	21	14	288
Resided on reservation	Ak-Chin Indian Community	29	0	0	0	0	0	0	0	0	0	0
	Cocopah Tribe	7	0	0	0	0	0	0	0	0	0	0
	Colorado River Indian Tribe	23	4	0	0	0	0	0	2	0	1	2
	Fort McDowell Yavapai Nation	20	0	0	0	0	0	0	0	0	0	0
	Fort Mojave Indian Tribe	12	0	0	0	0	0	0	0	0	0	0
	Fort Yuma Quechan Tribe	19	1	0	0	0	0	0	0	1	0	1
	Gila River Indian Community	277	13	0	0	0	1	0	0	0	2	10
	Havasupai Tribe	17	0	0	0	0	0	0	0	0	0	0
	Hopi Tribe	110	4	0	1	0	0	0	0	1	0	3
	Hualapai Nation	37	0	0	0	0	0	0	0	0	0	0
	Kaibab-Paiute Tribe	1	0	0	0	0	0	0	0	0	0	0
	Navajo Nation	2,262	87	8	5	0	4	2	17	7	6	53
	Pascua Yaqui Tribe	106	6	0	0	0	0	0	1	0	1	5
	Salt River Pima-Maricopa Community	133	4	0	0	0	0	0	0	0	0	4
	San Carlos Apache Tribe	283	40	0	0	0	2	1	1	1	0	37
	Tohono O'Odham Tribe	338	18	0	0	0	0	1	5	0	0	16
	White Mountain Apache	403	62	0	25	0	5	0	5	9	0	49
	Yavapai-Apache Nation	15	3	0	0	0	0	0	0	0	0	3
	Yavapai-Prescott Indian Tribe	3	0	0	0	0	0	0	0	0	0	0
TOTAL	4,095	242	8	31	0	12	4	31	19	10	183	
Resided off reservation	---in Maricopa County	1,633	71	1	0	0	8	1	1	2	3	59
	---in Pima County	212	19	0	0	0	0	0	5	0	1	16
	---in Coconino County	44	0	0	0	0	0	0	0	0	0	0
	---elsewhere in Arizona	378	34	0	2	0	2	0	3	0	0	30
	TOTAL	2,267	124	1	2	0	10	1	9	2	4	105

4.19

CONGENITAL ANOMALIES / BIRTH DEFECTS (2008 STATUS)

	TOTAL BIRTHS	Births with congenital anomalies	Congenital anomalies																						
			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/Club foot	Diaphragmatic hernia	Other musculoskeletal	Down's syndrome	Other chromosomal	Other		
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	6,362	58	0	2	1	0	2	5	7	0	0	3	1	1	1	1	9	4	3	0	3	2	1	22	
Resided on reservation	Ak-Chin Indian Community	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Cocopah Tribe	7	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	23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	Fort McDowell Yavapai Nation	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Fort Mojave Indian Tribe	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Fort Yuma Quechan Tribe	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Gila River Indian Community	277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Havasupai Tribe	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Hopi Tribe	110	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Hualapai Nation	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Kaibab-Paiute Tribe	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Navajo Nation	2,262	20	0	1	0	0	0	1	1	0	0	1	0	0	0	0	5	4	2	0	0	2	1	3
	Pascua Yaqui Tribe	106	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Salt River Pima-Maricopa Community	133	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	San Carlos Apache Tribe	283	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Tohono O'Odham Tribe	338	6	0	0	0	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3
	White Mountain Apache	403	8	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	2	0	0	0	4
	Yavapai-Apache Nation	15	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	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4,095	41	0	1	0	0	2	3	3	0	0	1	1	0	0	1	7	4	2	0	2	2	1	15	
Resided off reservation	---in Maricopa County	1,633	8	0	1	0	0	1	1	0	0	0	0	1	1	0	1	0	0	0	1	0	0	2	
	---in Pima County	212	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	---in Coconino County	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	---elsewhere in Arizona	378	8	0	0	1	0	0	1	3	0	0	2	0	0	0	1	0	1	0	0	0	0	4	
	TOTAL	2,267	17	0	1	1	0	0	2	4	0	0	2	0	1	1	0	2	0	1	0	1	0	0	7

4.20

CAUSES OF INFANT DEATHS AMONG AMERICAN INDIAN RESIDENTS, ARIZONA, 2008

	TOTAL STATE	Resided on reservation										Resided off reservation				
		Gila River Indian Community	Hopi Tribe	Hualapai Nation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	White Mountain Apache Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Total, all causes	52	34	4	1	1	15	1	1	4	2	5	18	0	10	5	3
Certain conditions originating in the perinatal period	22	14	2	0	0	5	1	1	1	2	2	8	0	5	2	1
Maternal complications	2	1	0	0	0	0	0	0	1	0	0	1	0	1	0	0
Complications of placenta, cord and membrane	3	0	0	0	0	0	0	0	0	0	0	3	0	2	0	1
Short gestation and low birth weight	4	3	0	0	0	2	1	0	0	0	0	1	0	1	0	0
Bacterial sepsis of newborn	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
Congenital malformations	10	8	1	0	1	3	0	0	1	0	2	2	0	1	0	1
of circulatory system	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
of brain, spinal cord or nervous system	3	2	0	0	0	0	0	0	0	0	2	1	0	0	0	1
other malformation	6	5	0	0	1	3	0	0	1	0	0	1	0	1	0	0
Sudden infant death syndrome	4	2	0	0	0	2	0	0	0	0	0	2	0	0	2	0
Accidents (unintentional injury)	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Motor vehicle	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Influenza and pneumonia	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Other diseases of the respiratory system	2	1	0	0	0	1	0	0	0	0	0	1	0	1	0	0
Diseases of the digestive system	2	2	0	0	0	1	0	0	0	0	1	0	0	0	0	0
Infectious and parasitic diseases	3	3	0	0	0	2	0	0	1	0	0	0	0	0	0	0
Diseases of the nervous system	2	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Other ill-defined and unspecified causes of mortality	4	1	1	0	0	0	0	0	0	0	0	3	0	2	0	1

4.21
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2008

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz
Total births		6,362	950	18	815	240	84	4	1,940	88	1,105	584	387	0	51	51	45
Mother's age group	<15	22	2	0	1	2	2	0	4	0	7	3	1	0	0	0	0
	15-17	408	46	0	57	27	9	0	104	3	90	36	32	0	2	1	1
	18-19	755	105	4	96	37	11	0	197	8	146	76	55	0	7	7	6
	20-24	2,064	302	5	253	87	27	2	617	29	355	194	136	0	21	21	15
	25-29	1,583	237	5	200	48	18	1	538	29	240	143	85	0	12	14	13
	30-34	974	150	2	133	30	11	1	328	14	149	91	46	0	6	6	7
	35-39	437	75	1	58	9	4	0	128	4	87	38	27	0	2	1	3
	40-44	113	29	1	16	0	2	0	24	1	30	3	5	0	1	1	0
	45+	6	4	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Payee for births	AHCCCS	3,553	422	9	436	70	17	1	1,233	69	654	330	238	0	32	36	6
	IHS	1,768	401	1	304	156	57	0	222	2	387	143	58	0	6	3	28
	Private insurance	839	16	8	64	11	8	3	452	15	50	96	86	0	11	11	8
	Self	48	3	0	4	2	0	0	19	1	3	9	3	0	2	1	1
	Unknown	154	108	0	7	1	2	0	14	1	11	6	2	0	0	0	2
Mother's education	< 8	50	3	0	2	6	1	0	16	1	4	8	9	0	0	0	0
	8	154	6	0	4	11	1	0	59	1	28	19	20	0	2	3	0
	9-11	1,724	180	3	186	94	22	0	483	26	343	186	161	0	17	11	12
	12	2,425	412	6	323	79	46	3	653	39	476	219	99	0	20	29	21
	13-16	1,784	300	8	266	48	13	1	640	20	236	134	92	0	12	6	8
	17+	175	33	1	29	1	0	0	72	0	15	17	5	0	0	2	0
	Unknown	50	16	0	5	1	1	0	17	1	3	1	1	0	0	0	4
Marital status	Married	1,460	198	11	189	47	24	3	502	19	241	101	80	0	18	15	12
	Unmarried	4,820	748	7	616	192	60	1	1,407	66	846	474	304	0	31	35	33
	Other*	82	4	0	10	1	0	0	31	3	18	9	3	0	2	1	0
Weight gain	None	123	9	0	11	3	2	0	39	1	14	28	15	0	0	0	1
	1-15 pounds	1,116	217	2	130	44	13	0	280	15	235	110	36	0	5	6	23
	16-20 pounds	854	135	0	107	43	17	0	260	14	159	52	52	0	6	2	7
	21-24 pounds	435	92	3	29	9	0	1	151	5	87	46	9	0	1	0	2
	25-30 pounds	1,577	189	5	252	60	20	1	461	22	236	105	177	0	21	25	3
	31+ pounds	2,161	261	7	283	73	32	2	742	30	350	241	96	0	18	18	8
	Unknown	96	47	1	3	8	0	0	7	1	24	2	2	0	0	0	1
Substance use	Drinker, nonsmoker	52	2	0	5	3	0	0	10	2	18	9	0	0	3	0	0
	Smoker, nondrinker	150	13	3	7	12	1	0	63	4	15	18	9	0	5	0	0
	Smoker and drinker	31	1	0	6	3	1	0	11	2	5	1	1	0	0	0	0
	Nonsmoker and nondrinker	6,129	934	15	797	222	82	4	1,856	80	1,067	556	377	0	43	51	45

4.21
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2008

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz
Length of gestation	<37 weeks	621	75	1	75	23	13	1	218	11	114	46	28	0	8	4	4
	37-41 weeks	5,688	868	17	730	214	70	3	1,719	77	971	536	356	0	42	44	41
	42+ weeks	46	4	0	9	2	0	0	3	0	20	2	2	0	1	3	0
	Unknown	7	3	0	1	1	1	0	0	0	0	0	1	0	0	0	0
Weight at birth	<1,000 grams	34	3	0	4	1	1	0	13	0	6	2	1	0	1	0	2
	1,000-1,499	38	4	0	5	1	0	0	13	1	9	4	1	0	0	0	0
	1,500-2,499	356	58	1	49	18	6	0	109	2	63	30	14	0	3	2	1
	2,500-3,999	5,370	797	15	708	204	70	3	1,595	76	946	496	337	0	41	44	38
	4000+	559	86	2	49	16	7	1	208	9	80	52	34	0	6	5	4
	Unknown	5	2	0	0	0	0	0	2	0	1	0	0	0	0	0	0
Prenatal care	No care	199	31	0	16	12	2	0	57	5	34	20	17	0	2	1	2
	1st trimester	4,141	539	17	572	115	44	4	1,411	65	630	352	301	0	32	33	26
	2nd trimester	1,510	261	1	177	83	30	0	378	11	317	161	55	0	9	13	14
	3rd trimester	495	115	0	47	26	7	0	93	6	122	51	13	0	8	4	3
	Unknown	17	4	0	3	4	1	0	1	1	2	0	1	0	0	0	0
Prenatal visits	No visits	199	31	0	16	12	2	0	57	5	34	20	17	0	2	1	2
	1-4 visits	589	92	0	64	35	18	1	145	7	156	52	8	0	4	5	2
	5-8 visits	1,745	278	3	191	75	37	1	473	16	371	160	90	0	16	17	17
	9-12 visits	2,626	358	7	345	83	18	2	887	31	408	250	190	0	21	18	8
	13+ visits	1,187	186	8	197	32	8	0	377	28	134	102	81	0	8	10	16
	Unknown	16	5	0	2	3	1	0	1	1	2	0	1	0	0	0	0
Newborn intensive care	Yes	309	37	1	23	14	3	0	115	3	60	23	13	0	7	7	3
	No	6,049	912	17	790	226	81	4	1,825	85	1,044	561	374	0	44	44	42
	Unknown	4	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0
Obstetric procedures	Amniocentesis	45	7	0	6	3	0	0	21	0	5	2	1	0	0	0	0
	Electronic Fetal Monitoring	5,793	804	5	720	215	37	1	1,912	87	916	570	384	0	48	51	43
	Induction of labor	1,182	158	4	183	66	9	0	438	24	179	81	20	0	15	1	4
	Stimulation of labor	1,257	132	0	190	46	1	0	563	5	207	44	60	0	5	0	4
	Tocolysis	48	8	0	6	1	0	0	4	2	23	3	1	0	0	0	0
	Ultrasound	3,978	518	16	465	152	81	4	1,091	33	580	556	359	0	40	50	33
	Other	486	34	1	8	12	52	4	270	1	52	39	10	0	2	0	1
Method of delivery	Vaginal	4,780	780	10	640	171	61	3	1,403	60	840	435	274	0	32	33	38
	Vaginal after C-Section	114	31	0	13	7	1	0	35	0	17	6	3	0	1	0	0
	Primary C-Section	812	84	5	85	37	10	1	289	10	133	77	56	0	11	12	2
	Repeat C-Section	656	55	3	77	25	12	0	213	18	115	66	54	0	7	6	5
	Forceps	24	4	0	4	0	0	0	7	1	5	0	1	0	2	0	0
	Vacuum	101	12	1	11	8	5	0	27	1	18	14	2	0	1	0	1

4.21
**COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2008**

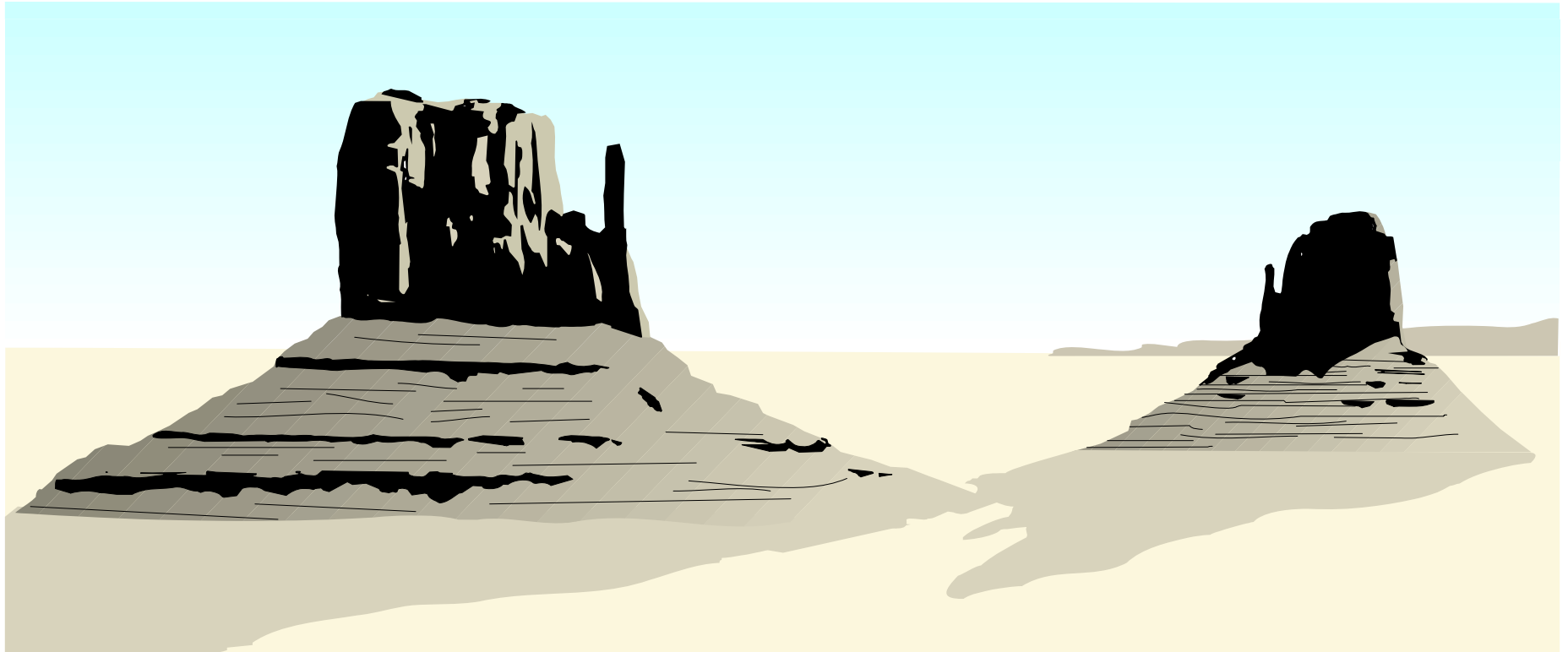
		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz
Births with medical risk factors	Total	2,695	358	4	234	121	29	0	994	12	454	336	109	0	27	5	12
	Anemia	461	61	0	30	25	2	0	231	0	64	19	25	0	1	0	3
	Cardiac disease	18	4	0	2	0	0	0	4	0	6	2	0	0	0	0	0
	Lung disease	87	8	0	36	0	0	0	16	0	27	0	0	0	0	0	0
	Diabetes	522	70	1	47	10	8	0	192	3	104	53	22	0	6	1	5
	Genital herpes	56	2	1	5	1	0	0	25	0	12	4	4	0	2	0	0
	Hydramnios	141	28	1	10	9	0	0	50	0	13	25	3	0	1	0	1
	Hemoglobinopathy	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Chronic hypertension	91	8	2	20	3	7	0	31	1	8	7	2	0	0	1	1
	Pregnancy associated hypertension	375	66	0	38	18	4	0	123	1	73	33	14	0	3	1	1
	Eclampsia	72	6	0	7	2	1	0	23	0	8	24	0	0	1	0	0
	Previous infant 4000+g	71	14	0	4	4	0	0	22	1	24	0	0	0	2	0	0
	Previous SGA infant	78	17	0	6	2	0	0	17	1	33	0	0	0	2	0	0
	Renal disease	35	6	0	0	4	0	0	1	0	22	0	0	0	1	0	1
	RH sensitization	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	Uterine bleeding	30	1	0	3	1	0	0	8	1	12	1	3	0	0	0	0
Incompetent cervix	7	1	0	0	0	0	0	2	0	2	0	2	0	0	0	0	
Other	1,641	138	4	85	83	17	0	704	8	232	287	56	0	18	2	7	
Abnormal conditions of the newborn	Total	366	34	2	32	23	21	1	85	2	85	36	28	0	7	2	8
	Anemia	9	4	0	3	0	0	0	1	0	1	0	0	0	0	0	0
	Birth injury	33	5	0	0	3	0	0	0	0	24	0	1	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	22	0	0	2	1	1	0	8	0	7	0	1	0	1	0	1
	Meconium aspiration	5	1	0	1	1	0	0	1	0	0	1	0	0	0	0	0
	Assisted vent. <30 min	40	6	0	8	1	0	0	1	0	9	11	1	0	0	0	3
	Assisted vent. >30 min.	21	3	0	2	1	0	0	2	0	12	0	0	0	0	1	0
	Newborn seizures	14	0	0	5	0	0	0	5	0	1	1	1	0	0	0	1
	Other	288	20	2	16	20	21	1	71	2	66	31	25	0	6	2	5
Births with congenital anomalies	Total	58	6	1	8	3	2	0	10	0	15	8	4	0	0	0	1
	Anencephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Spina bifida/meningocele	2	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
	Hydrocephalus	1	0	0	0	0	1	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	0	0
	Other CNS anomaly	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	Heart malformations	5	0	0	1	1	0	0	2	0	1	0	0	0	0	0	0
	Other respiratory/circulatory	7	1	1	0	0	1	0	1	0	2	0	1	0	0	0	0
Rectal atresia/stenosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

4.21

COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY COUNTY OF RESIDENCE, ARIZONA, 2008

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz
Tracheo-esophageal fistula/esophageal atresia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Omphalocele/gastroschisis	3	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0
Other gastrointestinal	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Malformed genitalia	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Renal agenesis	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Other urogenital	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Cleft lip/palate	9	1	0	2	0	1	0	1	0	3	1	0	0	0	0	0
Polydactyly/syndactyly/adactyly	4	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Club foot	3	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0
Diaphragmatic hernia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other muscoskeletal	3	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
Down's syndrome	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chromosomal	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Other	22	0	0	1	1	2	0	3	0	6	5	3	0	0	0	1
Births with complications	1,888	275	6	162	91	22	1	747	6	307	171	55	0	25	16	4
Febrile	130	28	0	16	4	0	0	60	1	19	1	1	0	0	0	0
Meconium	274	41	0	26	10	0	0	105	1	27	53	4	0	3	3	1
Rupture of membrane	244	66	0	22	6	1	0	82	0	54	12	1	0	0	0	0
Abruptio placenta	27	6	0	2	1	1	0	7	0	4	3	2	0	0	1	0
Placenta previa	14	0	0	4	0	0	0	3	0	5	2	0	0	0	0	0
Other bleeding	107	24	0	20	3	0	0	32	1	23	3	1	0	0	0	0
Seizures	7	3	0	0	0	0	0	3	0	0	0	1	0	0	0	0
Precipitous labor	92	25	0	6	12	0	0	30	1	12	2	1	0	2	0	1
Prolonged labor	99	17	0	17	3	0	0	35	0	21	5	1	0	0	0	0
Dysfunctional labor	210	32	0	42	4	0	0	51	0	71	2	4	0	3	0	1
Breech malpresentation	190	23	0	15	8	1	0	77	1	47	5	6	0	3	4	0
Cephalopelvic disproportion.	30	2	2	3	0	0	0	9	0	11	3	0	0	0	0	0
Cord prolapse	13	1	0	2	0	0	0	8	0	2	0	0	0	0	0	0
Anesthetic complications	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Fetal distress	236	21	0	22	5	3	0	94	0	47	17	19	0	3	3	2
Other	881	64	4	33	49	18	1	437	3	121	102	25	0	16	7	1
Infant mortality	51	12	0	6	3	1	0	13	1	8	2	4	0	0	1	0
Neonatal	28	6	0	3	2	0	0	9	1	3	1	2	0	0	1	0
Postneonatal	23	6	0	3	1	1	0	4	0	5	1	2	0	0	0	0

*'Refused', 'Yes, divorced', 'Unknown'



V.
**PATTERNS OF MORTALITY AMONG AMERICAN INDIANS
BY PLACE OF RESIDENCE IN ARIZONA
IN 2008**



AGE-SPECIFIC MORTALITY

5.1
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIANS IN 2008

		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		1,722	52	15	11	105	112	190	266	243	252	262	214
Resided on reservation	Ak-Chin Indian Community	6	0	1	0	0	0	1	1	3	0	0	0
	Cocopah Tribe	4	0	1	0	0	0	0	0	1	0	1	1
	Colorado River Indian Tribe	18	0	0	0	0	1	2	5	4	3	1	2
	Fort McDowell Yavapai Nation	8	0	0	0	1	0	2	2	0	1	2	0
	Fort Mojave Indian Tribe	1	0	0	0	0	0	0	1	0	0	0	0
	Gila River Indian Community	77	4	1	1	3	2	10	14	11	12	13	6
	Havasupai Tribe	4	0	0	1	0	1	2	0	0	0	0	0
	Hopi Tribe	91	1	0	0	7	6	7	11	10	15	21	13
	Hualapai Nation	12	1	0	0	0	2	2	5	1	0	1	0
	Navajo Nation	583	15	5	6	33	37	61	68	67	76	108	107
	Pascua Yaqui Tribe	32	1	0	0	0	0	5	9	6	3	5	3
	Salt River Pima-Maricopa Community	43	1	1	1	4	2	9	7	9	5	2	2
	San Carlos Apache Tribe	101	4	2	1	6	8	13	16	15	21	10	5
	Tohono O'Odham Tribe	102	2	0	0	7	2	12	30	11	19	11	8
	White Mountain Apache Tribe	78	5	0	0	10	5	12	10	7	14	8	7
Yavapai-Apache Nation	3	0	0	0	0	0	0	1	1	1	0	0	
	TOTAL	1,163	34	11	10	71	66	138	180	146	170	183	154
Resided off reservation	---in Maricopa County	222	10	2	0	16	15	23	36	39	30	30	21
	---in Pima County	90	0	1	0	6	9	12	14	15	12	13	8
	---in Coconino County	42	5	1	0	3	2	4	6	8	4	2	7
	---elsewhere in Arizona	205	3	0	1	9	20	13	30	35	36	34	24
		TOTAL	559	18	4	1	34	46	52	86	97	82	79

5.2

AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN MALES IN 2008

		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		981	27	7	6	73	85	127	180	136	128	134	78
Resided on reservation	Ak-Chin Indian Community	4	0	1	0	0	0	0	1	2	0	0	0
	Cocopah Tribe	1	0	0	0	0	0	0	0	1	0	0	0
	Colorado River Indian Tribe	10	0	0	0	0	1	2	4	1	1	1	0
	Fort McDowell Yavapai Nation	6	0	0	0	0	0	2	1	0	1	2	0
	Fort Mojave Indian Tribe	1	0	0	0	0	0	0	1	0	0	0	0
	Gila River Indian Community	41	0	1	1	2	1	6	8	6	6	7	3
	Havasupai Tribe	1	0	0	0	0	1	0	0	0	0	0	0
	Hopi Tribe	48	1	0	0	3	6	4	7	7	7	9	4
	Hualapai Nation	9	0	0	0	0	2	2	3	1	0	1	0
	Navajo Nation	349	9	3	4	25	27	41	52	42	45	61	40
	Pascua Yaqui Tribe	17	1	0	0	0	0	3	6	2	1	3	1
	Salt River Pima-Maricopa Community	29	1	0	1	4	2	7	4	7	2	0	1
	San Carlos Apache Tribe	61	1	1	0	6	8	10	8	9	10	5	3
	Tohono O'Odham Tribe	55	1	0	0	4	1	8	18	6	8	5	4
	White Mountain Apache Tribe	40	4	0	0	5	4	4	7	5	6	4	1
	Yavapai-Apache Nation	2	0	0	0	0	0	0	1	1	0	0	0
	TOTAL	674	18	6	6	49	53	89	121	90	87	98	57
Resided off reservation	---in Maricopa County	120	4	0	0	12	12	18	26	14	13	14	7
	---in Pima County	52	0	1	0	4	6	8	7	8	10	5	3
	---in Coconino County	25	3	0	0	2	2	2	6	5	2	1	2
	---elsewhere in Arizona	110	2	0	0	6	12	10	20	19	16	16	9
		TOTAL	307	9	1	0	24	32	38	59	46	41	36

5.3

AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN FEMALES IN 2008

		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		741	25	8	5	32	27	63	86	107	124	128	136
Resided on reservation	Ak-Chin Indian Community	2	0	0	0	0	0	1	0	1	0	0	0
	Cocopah Tribe	3	0	1	0	0	0	0	0	0	0	1	1
	Colorado River Indian Tribe	8	0	0	0	0	0	0	1	3	2	0	2
	Fort McDowell Yavapai Nation	2	0	0	0	1	0	0	1	0	0	0	0
	Gila River Indian Community	36	4	0	0	1	1	4	6	5	6	6	3
	Havasupai Tribe	3	0	0	1	0	0	2	0	0	0	0	0
	Hopi Tribe	43	0	0	0	4	0	3	4	3	8	12	9
	Hualapai Nation	3	1	0	0	0	0	0	2	0	0	0	0
	Navajo Nation	234	6	2	2	8	10	20	16	25	31	47	67
	Pascua Yaqui Tribe	15	0	0	0	0	0	2	3	4	2	2	2
	Salt River Pima-Maricopa Community	14	0	1	0	0	0	2	3	2	3	2	1
	San Carlos Apache Tribe	40	3	1	1	0	0	3	8	6	11	5	2
	Tohono O'Odham Tribe	47	1	0	0	3	1	4	12	5	11	6	4
	White Mountain Apache Tribe	38	1	0	0	5	1	8	3	2	8	4	6
	Yavapai-Apache Nation	1	0	0	0	0	0	0	0	0	1	0	0
	TOTAL	489	16	5	4	22	13	49	59	56	83	85	97
Resided off reservation	---in Maricopa County	102	6	2	0	4	3	5	10	25	17	16	14
	---in Pima County	38	0	0	0	2	3	4	7	7	2	8	5
	---in Coconino County	17	2	1	0	1	0	2	0	3	2	1	5
	---elsewhere in Arizona	95	1	0	1	3	8	3	10	16	20	18	15
		TOTAL	252	9	3	1	10	14	14	27	51	41	43



CAUSE-SPECIFIC MORTALITY

5.4

DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Total, all causes	1,722	981	741
Salmonella infections	0	0	0
Shigellosis and amebiasis	0	0	0
Certain other intestinal infections	6	5	1
Tuberculosis	4	3	1
Respiratory tuberculosis	3	2	1
Other tuberculosis	1	1	0
Whooping cough	1	1	0
Scarlet fever and erysipelas	0	0	0
Meningococcal infection	0	0	0
Septicemia	45	25	20
Syphilis	0	0	0
Acute poliomyelitis	0	0	0
Arthropod-borne encephalitis	0	0	0
Measles	0	0	0
Viral hepatitis	5	4	1
Human immunodeficiency virus (HIV) disease	6	5	1
Malaria	0	0	0
Other and unspecified infectious and parasitic diseases	17	8	9
Malignant neoplasms	218	110	108
Malignant neoplasm of lip, oral cavity and pharynx	1	1	0
Malignant neoplasm of esophagus	4	3	1
Malignant neoplasm of stomach	17	15	2
Malignant neoplasm of colon, rectum and anus	20	9	11
Malignant neoplasm of liver and intrahepatic bile ducts	14	13	1
Malignant neoplasm of pancreas	12	6	6
Malignant neoplasm of larynx	0	0	0
Malignant neoplasm of trachea, bronchus and lung	22	9	13
Malignant melanoma of skin	1	1	0
Malignant neoplasm of breast	16	2	14
Malignant neoplasm of cervix uteri	6	0	6
Malignant neoplasm of corpus uteri and uterus, part unspecified	2	0	2
Malignant neoplasm of ovary	7	0	7
Malignant neoplasm of prostate	10	10	0
Malignant neoplasm of kidney and renal pelvis	14	8	6
Malignant neoplasm of bladder	2	1	1

5.4 (continued)

DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Malignant neoplasm of meninges, brain and other parts of CNS	4	2	2
Malignant neoplasm of lymphoid, hematopoietic and related tissue	31	18	13
Hodgkin's disease	1	1	0
Non-Hodgkin's lymphoma	11	5	6
Leukemia	10	6	4
Multiple myeloma and immunoproliferative neoplasms	9	6	3
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0
All other and unspecified malignant neoplasm	35	12	23
In situ neoplasms	4	2	2
Anemias	2	0	2
Diabetes	98	42	56
Nutritional deficiencies	4	2	2
Malnutrition	4	2	2
Other nutritional deficiencies	0	0	0
Meningitis	3	2	1
Parkinson's disease	15	12	3
Alzheimer's disease	14	4	10
Major cardiovascular diseases	289	148	141
Diseases of heart	225	114	111
Acute rheumatic fever and chronic rheumatic heart disease	3	2	1
Hypertensive heart disease	16	9	7
Hypertensive heart and renal disease	4	1	3
Ischemic heart disease	144	75	69
Acute myocardial infarction	45	22	23
Other acute ischemic heart disease	2	0	2
Other forms of chronic ischemic heart disease	97	53	44
Atherosclerotic cardiovascular disease	38	25	13
All other forms of chronic ischemic heart disease	59	28	31
Other heart diseases	58	27	31
Acute and subacute endocarditis	2	0	2
Diseases of pericardium and acute myocarditis	1	0	1
Heart failure	15	5	10
All other forms of heart disease	40	22	18
Essential (primary) hypertension and hypertensive renal disease	12	7	5
Cerebrovascular diseases	42	20	22

5.4 (continued)

DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Atherosclerosis	3	1	2
Other diseases of circulatory system	7	6	1
Aortic aneurysm and dissection	2	1	1
Other disease of arteries, arterioles and capillaries	5	5	0
Other disorders of circulatory system	1	1	0
Influenza and pneumonia	73	35	38
Influenza	2	1	1
Pneumonia	71	34	37
Other acute lower respiratory infections	1	0	1
Acute bronchiolitis	1	0	1
Unspecified acute lower respiratory infection	0	0	0
Chronic lower respiratory diseases	30	20	10
Bronchitis, chronic and unspecified	0	0	0
Emphysema	4	2	2
Asthma	0	0	0
Other chronic lower respiratory diseases	26	18	8
Pneumoconioses and chemical effects	2	2	0
Pneumonitis due to solids and liquids	16	9	7
Other disease of respiratory system	25	14	11
Peptic ulcer	3	3	0
Diseases of appendix	0	0	0
Hernia	2	1	1
Chronic liver disease and cirrhosis	106	63	43
Alcoholic liver disease	86	52	34
Other chronic liver disease and cirrhosis	20	11	9
Cholelithiasis and other disorders of gallbladder	3	2	1
Nephritis, nephrotic syndrome and nephrosis	47	23	24
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0
Chronic glomerulonephritis	1	1	0
Renal failure	46	22	24
Others disorders of kidney	0	0	0
Infections of kidney	1	0	1
Hyperplasia of prostate	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0
Pregnancy, childbirth and the puerperium	2	0	2

5.4 (continued)

DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

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	2	0	2
Perinatal conditions	22	14	8
Congenital anomalies, deformations and chromosomal abnormalities	14	7	7
Symptoms, signs, abnormal findings	63	37	26
Total accidents	243	177	66
Transport accidents	137	91	46
Motor vehicle accidents	129	84	45
Other land transport accidents	7	7	0
Water, air, space	1	0	1
Nontransport accidents	106	86	20
Falls	26	19	7
Accidental discharge of firearms	0	0	0
Accidental drowning and submersion	7	6	1
Accidental exposure to smoke, fire and flames	2	2	0
Accidental poisoning	34	29	5
Other and unspecified nontransport accidents	38	31	7
Intentional self-harm (suicide)	53	41	12
By discharge of firearms	13	12	1
By other means	40	29	11
Assault (homicide)	44	36	8
By discharge of firearms	15	11	4
By other means	29	25	4
Legal intervention	0	0	0
Events of undetermined intent	8	8	0
Discharge of firearms	0	0	0
Other and unspecified events of undetermined intent	8	8	0
Operations of war	0	0	0
Complications of medical and surgical care	5	2	3
INJURY BY FIREARMS	28	23	5
DRUG-INDUCED DEATHS	22	17	5
ALCOHOL-INDUCED DEATHS	141	97	44

5.5

DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

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	1,722	52	15	11	105	112	190	266	243	252	262	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	6	0	0	0	0	0	0	0	1	1	2	2
Tuberculosis	4	0	0	0	0	1	0	1	1	0	0	1
Respiratory tuberculosis	3	0	0	0	0	1	0	0	1	0	0	1
Other tuberculosis	1	0	0	0	0	0	0	1	0	0	0	0
Whooping cough	1	1	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	45	1	0	0	0	4	1	8	10	11	9	1
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	5	0	0	0	0	0	2	3	0	0	0	0
Human immunodeficiency virus (HIV) disease	6	0	0	0	0	0	3	3	0	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	17	1	0	0	0	2	0	2	2	3	5	2
Malignant neoplasms	218	0	2	0	3	3	14	30	49	46	48	23
Malignant neoplasm of lip, oral cavity and pharynx	1	0	0	0	0	0	0	1	0	0	0	0
Malignant neoplasm of esophagus	4	0	0	0	0	0	0	1	1	0	1	1
Malignant neoplasm of stomach	17	0	0	0	0	0	3	0	5	3	4	2
Malignant neoplasm of colon, rectum and anus	20	0	0	0	0	0	2	2	2	3	8	3
Malignant neoplasm of liver and intrahepatic bile ducts	14	0	0	0	0	0	1	1	4	5	2	1
Malignant neoplasm of pancreas	12	0	0	0	0	0	0	2	1	3	5	1
Malignant neoplasm of larynx	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	22	0	0	0	0	0	0	1	7	7	5	2
Malignant melanoma of skin	1	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasm of breast	16	0	0	0	0	0	0	2	7	4	2	1
Malignant neoplasm of cervix uteri	6	0	0	0	0	0	2	2	0	1	1	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	2	0	0	0	0	0	0	0	1	1	0	0
Malignant neoplasm of ovary	7	0	0	0	0	0	0	1	2	3	1	0
Malignant neoplasm of prostate	10	0	0	0	0	0	0	2	0	1	4	3

5.5 (continued)

DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

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	14	0	1	0	1	0	1	3	3	2	3	0
Malignant neoplasm of bladder	2	0	0	0	0	0	0	2	0	0	0	0
Malignant neoplasm of meninges, brain and other parts of CNS	4	0	0	0	0	1	2	1	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	31	0	1	0	2	1	1	4	11	4	5	2
Hodgkin's disease	1	0	0	0	0	0	0	0	1	0	0	0
Non-Hodgkin's lymphoma	11	0	0	0	0	0	0	2	4	1	3	1
Leukemia	10	0	1	0	2	1	1	0	2	1	1	1
Multiple myeloma and immunoproliferative neoplasms	9	0	0	0	0	0	0	2	4	2	1	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	35	0	0	0	0	1	2	5	5	9	6	7
In situ neoplasms	4	0	0	0	0	0	0	0	2	1	1	0
Anemias	2	0	0	0	0	0	0	0	0	0	0	2
Diabetes	98	0	0	0	1	0	3	13	24	19	25	13
Nutritional deficiencies	4	0	0	0	0	0	0	0	0	0	1	3
Malnutrition	4	0	0	0	0	0	0	0	0	0	1	3
Other nutritional deficiencies	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis	3	1	0	0	0	0	1	0	0	0	1	0
Parkinson's disease	15	0	0	0	0	0	0	0	0	1	11	3
Alzheimer's disease	14	0	0	0	0	0	0	0	0	4	2	8
Major cardiovascular diseases	289	0	0	0	1	4	11	35	57	62	62	57
Diseases of heart	225	0	0	0	1	3	7	29	49	55	38	43
Acute rheumatic fever and chronic rheumatic heart disease	3	0	0	0	0	0	1	0	1	0	1	0
Hypertensive heart disease	16	0	0	0	0	1	0	3	5	3	2	2
Hypertensive heart and renal disease	4	0	0	0	0	0	0	1	2	0	1	0
Ischemic heart disease	144	0	0	0	0	0	3	16	28	38	28	31
Acute myocardial infarction	45	0	0	0	0	0	1	8	8	18	3	7
Other acute ischemic heart disease	2	0	0	0	0	0	0	1	0	0	0	1
Other forms of chronic ischemic heart disease	97	0	0	0	0	0	2	7	20	20	25	23
Atherosclerotic cardiovascular disease	38	0	0	0	0	0	0	4	8	8	9	9
All other forms of chronic ischemic heart disease	59	0	0	0	0	0	2	3	12	12	16	14
Other heart diseases	58	0	0	0	1	2	3	9	13	14	6	10
Acute and subacute endocarditis	2	0	0	0	0	0	0	0	1	1	0	0
Diseases of pericardium and acute myocarditis	1	0	0	0	0	0	1	0	0	0	0	0
Heart failure	15	0	0	0	0	0	0	0	2	2	5	6
All other forms of heart disease	40	0	0	0	1	2	2	9	10	11	1	4

5.5 (continued)

DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

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	12	0	0	0	0	0	1	0	3	1	5	2
Cerebrovascular diseases	42	0	0	0	0	1	2	6	3	5	16	9
Atherosclerosis	3	0	0	0	0	0	0	0	1	0	1	1
Other diseases of circulatory system	7	0	0	0	0	0	1	0	1	1	2	2
Aortic aneurysm and dissection	2	0	0	0	0	0	1	0	0	0	0	1
Other disease of arteries, arterioles and capillaries	5	0	0	0	0	0	0	0	1	1	2	1
Other disorders of circulatory system	1	0	0	0	0	0	0	0	0	0	0	1
Influenza and pneumonia	73	1	1	0	1	6	5	11	6	11	14	17
Influenza	2	0	0	0	0	0	0	1	0	0	0	1
Pneumonia	71	1	1	0	1	6	5	10	6	11	14	16
Other acute lower respiratory infections	1	1	0	0	0	0	0	0	0	0	0	0
Acute bronchiolitis	1	1	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	3	5	11	6	5
Bronchitis, chronic and unspecified	0	0	0	0	0	0	0	0	0	0	0	0
Emphysema	4	0	0	0	0	0	0	1	0	3	0	0
Asthma	0	0	0	0	0	0	0	0	0	0	0	0
Other chronic lower respiratory diseases	26	0	0	0	0	0	0	2	5	8	6	5
Pneumoconioses and chemical effects	2	0	0	0	0	0	0	0	0	0	1	1
Pneumonitis due to solids and liquids	16	0	0	0	0	0	1	0	0	3	8	4
Other disease of respiratory system	25	1	0	0	0	0	3	5	1	4	5	6
Peptic ulcer	3	0	0	0	0	0	0	0	1	0	2	0
Diseases of appendix	0	0	0	0	0	0	0	0	0	0	0	0
Hernia	2	0	0	0	0	0	0	0	0	0	0	2
Chronic liver disease and cirrhosis	106	0	0	0	0	4	33	33	25	7	4	0
Alcoholic liver disease	86	0	0	0	0	3	29	27	22	3	2	0
Other chronic liver disease and cirrhosis	20	0	0	0	0	1	4	6	3	4	2	0
Cholelithiasis and other disorders of gallbladder	3	0	0	0	0	0	0	0	0	0	1	2
Nephritis, nephrotic syndrome and nephrosis	47	0	0	0	0	2	1	8	9	11	13	3
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	1	0	0	0	0	0	0	0	0	0	1	0
Renal failure	46	0	0	0	0	2	1	8	9	11	12	3
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	1	0	0	0	0	0	0	0	0	1	0	0
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0

5.5 (continued)

DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

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	2	0	0	0	1	1	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	2	0	0	0	1	1	0	0	0	0	0	0
Perinatal conditions	22	22	0	0	0	0	0	0	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	14	10	1	1	2	0	0	0	0	0	0	0
Symptoms, signs, abnormal findings	63	8	3	1	8	7	11	11	5	1	2	6
Total accidents	243	1	5	3	38	40	41	52	19	26	11	7
Transport accidents	137	1	2	3	34	27	22	23	11	11	2	1
Motor vehicle accidents	129	1	2	3	34	25	19	20	11	11	2	1
Other land transport accidents	7	0	0	0	0	2	3	2	0	0	0	0
Water, air, space	1	0	0	0	0	0	0	1	0	0	0	0
Nontransport accidents	106	0	3	0	4	13	19	29	8	15	9	6
Falls	26	0	0	0	1	0	2	7	1	3	8	4
Accidental discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	7	0	3	0	1	1	0	0	2	0	0	0
Accidental exposure to smoke, fire and flames	2	0	0	0	1	0	0	1	0	0	0	0
Accidental poisoning	34	0	0	0	2	4	7	14	3	3	0	1
Other and unspecified nontransport accidents	38	0	0	0	0	8	10	7	2	9	1	1
Intentional self-harm (suicide)	53	0	0	2	30	7	8	6	0	0	0	0
By discharge of firearms	13	0	0	0	7	2	1	3	0	0	0	0
By other means	40	0	0	2	23	5	7	3	0	0	0	0
Assault (homicide)	44	0	1	0	13	15	6	7	0	2	0	0
By discharge of firearms	15	0	0	0	5	6	3	0	0	1	0	0
By other means	29	0	1	0	8	9	3	7	0	1	0	0
Legal intervention	0	0	0	0	0	0	0	0	0	0	0	0
Events of undetermined intent	8	0	0	1	2	0	4	1	0	0	0	0
Discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified events of undetermined intent	8	0	0	1	2	0	4	1	0	0	0	0
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	5	0	0	0	0	0	2	1	0	1	0	1
INJURY BY FIREARMS	28	0	0	0	12	8	4	3	0	1	0	0
DRUG-INDUCED DEATHS	22	0	0	0	3	4	4	9	2	0	0	0
ALCOHOL-INDUCED DEATHS	141	0	0	0	1	9	46	40	34	7	3	1

5.6

DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2008

Cause of death (Tenth Revision, International Classification of Diseases)	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation			
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribes	Fort McDowell Yavapai Nation Fort Mojave	Indian Tribe Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima- Maricopa San Carlos	Apache Tribe Tohono O'Odham Tribe	White Mountain Apache Tribe	Yavapai-Apache Nation	Total ##	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total	
Total deaths, all causes	1,722	6	4	18	8	1	77	4	91	12	583	32	43	101	102	78	3	222	90	42	205	559
Salmonella infections	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
Certain other intestinal infections	6	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1	0	4	1	0	1	0
Tuberculosis	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	1
Respiratory tuberculosis	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	1
Other tuberculosis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Whooping cough	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	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
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	45	0	0	1	0	0	1	0	3	0	18	1	1	1	1	2	0	29	6	3	1	6
Syphilis	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
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
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	5	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	3	1	0	0	1
Human immunodeficiency virus (HIV) disease	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	4	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	17	0	0	0	0	0	1	0	0	0	7	0	0	3	1	1	0	13	1	1	0	2
Malignant neoplasms	218	0	0	2	1	0	11	0	16	1	73	5	2	11	8	7	1	138	31	16	6	27
Malignant neoplasm of lip, oral cavity and pharynx	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Malignant neoplasm of esophagus	4	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	1	1	0	0
Malignant neoplasm of stomach	17	0	0	0	0	0	1	0	0	0	10	1	0	0	1	0	1	14	0	1	0	2
Malignant neoplasm of colon, rectum and anus	20	0	0	0	0	0	1	0	0	0	9	0	0	0	0	0	0	10	2	3	2	3
Malignant neoplasm of liver and intrahepatic bile ducts	14	0	0	0	0	0	1	0	1	0	2	0	0	1	2	1	0	8	2	1	1	2
Malignant neoplasm of pancreas	12	0	0	0	0	0	0	0	1	0	7	0	0	0	0	0	0	8	4	0	0	0
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	22	0	0	1	0	0	0	0	1	0	4	2	0	2	1	0	0	11	3	2	1	5
Malignant melanoma of skin	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Malignant neoplasm of breast	16	0	0	0	0	0	0	0	0	0	9	1	0	1	0	0	0	11	3	0	0	2
Malignant neoplasm of cervix uteri	6	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	3	1	0	0	2
Malignant neoplasm of corpus uteri and uterus, part	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Malignant neoplasm of ovary	7	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	4	1	1	0	1
Malignant neoplasm of prostate	10	0	0	0	1	0	0	0	0	0	6	0	0	1	1	1	0	10	0	0	0	0
Malignant neoplasm of kidney and renal pelvis	14	0	0	0	0	0	4	0	3	0	0	0	0	0	0	0	0	7	3	2	0	2

**5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2008**

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																Resided off reservation							
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribes	Fort McDowell	Yavapai Nation	Fort Mojave	Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa San Carlos	Apache Tribe	Tohono O'Odham Tribe	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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
Malignant neoplasm of meninges, brain and other parts of CNS	4	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	3	0	0	0	1	1
Malignant neoplasm of lymphoid, hematopoietic and related tissue	31	0	0	1	0	0	3	0	4	1	9	1	0	3	0	0	0	0	22	5	1	1	2	9	
Hodgkin's disease	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Non-Hodgkin's lymphoma	11	0	0	0	0	0	2	0	2	0	4	0	0	1	0	0	0	0	9	2	0	0	0	2	
Leukemia	10	0	0	1	0	0	0	0	2	0	1	1	0	2	0	0	0	0	7	2	1	0	0	3	
Multiple myeloma and immunoproliferative neoplasms	9	0	0	0	0	0	1	0	0	1	4	0	0	0	0	0	0	0	6	0	0	1	2	3	
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
All other and unspecified malignant neoplasm	35	0	0	0	0	0	0	0	5	0	13	0	0	1	1	4	0	24	4	2	1	4	11		
In situ neoplasms	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	2	0	0	0	0	2	
Anemias	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	
Diabetes	98	1	1	0	1	0	9	0	4	0	28	2	6	11	8	0	0	71	11	5	1	10	27		
Nutritional deficiencies	4	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	4	0	0	0	0	0	0	
Malnutrition	4	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	4	0	0	0	0	0	0	
Other nutritional deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Meningitis	3	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3	0	0	0	0	0	0	
Parkinson's disease	15	0	0	1	0	0	0	0	0	0	8	0	0	2	0	0	0	11	1	1	0	2	4		
Alzheimer's disease	14	0	0	0	0	0	1	0	0	0	5	0	0	1	1	0	0	8	2	2	0	2	6		
Major cardiovascular diseases	289	2	2	3	1	1	12	0	15	2	97	3	4	13	18	19	0	192	42	12	4	39	97		
Diseases of heart	225	0	1	2	1	1	11	0	12	2	82	2	3	9	9	14	0	149	32	10	2	32	76		
Acute rheumatic fever and chronic rheumatic heart disease	3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	
Hypertensive heart disease	16	0	0	0	0	0	1	0	0	0	5	0	0	0	1	1	0	8	1	1	0	6	8		
Hypertensive heart and renal disease	4	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3	0	0	0	1	1		
Ischemic heart disease	144	0	1	2	1	1	7	0	7	1	50	1	2	4	4	11	0	92	23	7	2	20	52		
Acute myocardial infarction	45	0	0	1	1	0	2	0	4	0	19	0	0	0	2	3	0	32	5	1	1	6	13		
Other acute ischemic heart disease	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1		
Other forms of chronic ischemic heart disease	97	0	0	1	0	1	5	0	3	1	31	1	2	4	2	8	0	59	18	6	1	13	38		
Atherosclerotic cardiovascular disease	38	0	0	0	0	1	2	0	1	1	15	0	1	2	0	2	0	25	4	3	1	5	13		
All other forms of chronic ischemic heart disease	59	0	0	1	0	0	3	0	2	0	16	1	1	2	2	6	0	34	14	3	0	8	25		
Other heart diseases	58	0	0	0	0	0	3	0	5	1	22	1	1	4	4	2	0	43	8	2	0	5	15		
Acute and subacute endocarditis	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1		
Diseases of pericardium and acute myocarditis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1		
Heart failure	15	0	0	0	0	0	0	0	1	0	7	1	0	0	1	1	0	11	2	0	0	2	4		
All other forms of heart disease	40	0	0	0	0	0	3	0	4	1	15	0	1	3	3	1	0	31	6	1	0	2	9		

**5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2008**

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation				
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribes	Fort McDowell Yavapai Nation	Fort Mojave Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa San Carlos Apache Tribe	Tohono O'Odham Tribe	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	12	1	0	1	0	0	0	0	0	0	2	0	0	1	4	0	0	9	0	1	0	2	3
Cerebrovascular diseases	42	0	1	0	0	0	1	0	3	0	9	1	1	2	4	5	0	27	9	0	2	4	15
Atherosclerosis	3	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	3	0	0	0	0	0
Other diseases of circulatory system	7	1	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	4	1	1	0	1	3
Aortic aneurysm and dissection	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	5	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	1	0	1	3
Other disorders of circulatory system	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Influenza and pneumonia	73	0	0	0	1	0	4	0	5	0	24	0	1	6	1	7	1	50	10	1	2	10	23
Influenza	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0
Pneumonia	71	0	0	0	1	0	4	0	5	0	22	0	1	6	1	7	1	48	10	1	2	10	23
Other acute lower respiratory infections	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Acute bronchiolitis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
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	30	0	0	1	0	0	1	0	1	0	7	0	1	2	2	1	0	16	5	1	0	8	14
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	4	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	2	2
Asthma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chronic lower respiratory diseases	26	0	0	1	0	0	1	0	1	0	7	0	1	1	1	1	0	14	5	1	0	6	12
Pneumoconioses and chemical effects	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0
Pneumonitis due to solids and liquids	16	0	0	0	0	0	0	0	2	0	9	0	0	1	1	0	13	2	0	0	1	3	3
Other disease of respiratory system	25	0	0	0	0	0	2	0	1	0	15	0	0	0	2	0	0	20	2	1	2	0	5
Peptic ulcer	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	0	0	0	1	1
Diseases of appendix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hernia	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0
Chronic liver disease and cirrhosis	106	0	0	0	1	0	4	1	2	1	17	5	5	12	8	3	1	60	19	10	4	13	46
Alcoholic liver disease	86	0	0	0	1	0	4	1	2	1	14	4	5	9	6	2	1	50	16	7	2	11	36
Other chronic liver disease and cirrhosis	20	0	0	0	0	0	0	0	0	0	3	1	0	3	2	1	0	10	3	3	2	2	10
Cholelithiasis and other disorders of gallbladder	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	1	1
Nephritis, nephrotic syndrome and nephrosis	47	0	0	2	0	0	4	0	3	0	8	1	0	6	6	1	0	31	4	2	1	9	16
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Renal failure	46	0	0	2	0	0	4	0	3	0	8	1	0	6	6	1	0	31	3	2	1	9	15
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	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2008

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																Resided off reservation				Total			
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribes	Fort McDowell Yavapai Nation	Fort Mojave Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa San Carlos Apache Tribe	Tohono O'Odham Tribe	White Mountain Apache Tribe	Yavapai-Apache Nation	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona				
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other complications of pregnancy, childbirth and the puerperium	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	
Perinatal conditions	22	0	0	0	0	0	2	0	0	0	5	1	1	1	2	2	0	14	5	0	2	1	8	8	
Congenital anomalies, deformations and chromosomal abnormalities	14	0	0	0	0	0	1	0	0	1	6	0	0	1	0	2	0	11	2	0	0	1	3	3	
Symptoms, signs, abnormal findings	63	1	0	0	1	0	2	0	3	0	11	4	6	0	2	1	0	31	15	6	6	5	32	32	
Total accidents	243	1	1	4	0	0	8	2	16	3	104	1	4	14	15	15	0	188	19	9	5	22	55	55	
Transport accidents	137	0	0	2	0	0	6	2	9	2	49	0	4	9	11	9	0	103	11	6	3	14	34	34	
Motor vehicle accidents	129	0	0	1	0	0	5	2	9	2	47	0	4	9	8	9	0	96	10	6	3	14	33	33	
Other land transport accidents	7	0	0	1	0	0	0	0	0	0	2	0	0	0	3	0	0	6	1	0	0	0	1	1	
Water, air, space	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
Nontransport accidents	106	1	1	2	0	0	2	0	7	1	55	1	0	5	4	6	0	85	8	3	2	8	21	21	
Falls	26	0	0	1	0	0	0	0	2	1	12	0	0	2	1	2	0	21	2	1	1	1	5	5	
Accidental discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Accidental drowning and submersion	7	1	1	0	0	0	0	0	0	0	4	0	0	1	0	0	0	7	0	0	0	0	0	0	
Accidental exposure to smoke, fire and flames	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	
Accidental poisoning	34	0	0	1	0	0	0	0	3	0	14	1	0	0	1	2	0	22	4	2	1	5	12	12	
Other and unspecified nontransport accidents	38	0	0	0	0	0	1	0	2	0	25	0	0	2	2	2	0	34	2	0	0	2	4	4	
Intentional self-harm (suicide)	53	0	0	0	0	0	2	1	2	1	20	0	2	2	6	3	0	39	6	2	0	6	14	14	
By discharge of firearms	13	0	0	0	0	0	1	0	1	0	4	0	1	0	0	0	0	7	3	2	0	1	6	6	
By other means	40	0	0	0	0	0	1	1	1	1	16	0	1	2	6	3	0	32	3	0	0	5	8	8	
Assault (homicide)	44	1	0	1	0	0	2	0	3	1	11	0	0	1	3	1	0	24	10	5	1	4	20	20	
By discharge of firearms	15	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	4	6	4	0	1	11	11	
By other means	29	1	0	1	0	0	1	0	2	1	9	0	0	1	3	1	0	20	4	1	1	3	9	9	
Legal intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Events of undetermined intent	8	0	0	0	0	0	0	0	0	0	4	0	1	1	0	1	0	7	1	0	0	0	1	1	
Discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other and unspecified events of undetermined intent	8	0	0	0	0	0	0	0	0	0	4	0	1	1	0	1	0	7	1	0	0	0	1	1	
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Complications of medical and surgical care	5	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	3	1	1	0	0	2	2	
INJURY BY FIREARMS	28	0	0	0	0	0	2	0	2	0	6	0	1	0	0	0	0	11	9	6	0	2	17	17	
DRUG-INDUCED DEATHS	22	0	0	1	0	0	0	0	0	0	3	1	2	0	2	1	0	10	4	2	1	5	12	12	
ALCOHOL-INDUCED DEATHS	141	0	0	0	1	0	4	1	6	1	43	4	7	13	8	5	1	94	21	8	3	15	47	47	

5.7

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz	Unknown
Total, all causes	1,722	362	9	189	89	23	1	310	38	304	195	100	0	26	18	27	31
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	6	1	0	1	0	0	0	1	0	2	0	1	0	0	0	0	0
Tuberculosis	4	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0
Respiratory tuberculosis	3	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
Other tuberculosis	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Whooping cough	1	0	0	0	1	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	45	13	0	6	1	0	0	7	0	9	5	1	0	0	2	1	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	5	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	1
Human immunodeficiency virus (HIV) disease	6	0	0	0	0	0	0	4	0	1	1	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	17	4	0	2	1	2	0	1	0	2	1	2	0	0	0	1	1
Malignant neoplasms	218	46	2	22	9	2	0	36	7	42	28	14	0	6	1	3	0
Malignant neoplasm of lip, oral cavity and pharynx	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Malignant neoplasm of esophagus	4	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
Malignant neoplasm of stomach	17	3	0	1	0	0	0	0	0	7	3	1	0	2	0	0	0
Malignant neoplasm of colon, rectum and anus	20	10	0	3	0	0	0	2	1	0	3	1	0	0	0	0	0
Malignant neoplasm of liver and intrahepatic bile ducts	14	2	0	1	1	0	0	2	1	3	3	1	0	0	0	0	0
Malignant neoplasm of pancreas	12	4	0	1	0	0	0	4	0	3	0	0	0	0	0	0	0
Malignant neoplasm of larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	22	1	0	2	2	0	0	3	2	4	5	0	0	2	0	1	0
Malignant melanoma of skin	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Malignant neoplasm of breast	16	7	1	2	1	0	0	3	0	1	1	0	0	0	0	0	0
Malignant neoplasm of cervix uteri	6	0	0	0	1	0	0	2	1	1	0	0	0	1	0	0	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	2	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
Malignant neoplasm of ovary	7	1	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0
Malignant neoplasm of prostate	10	2	0	2	1	0	0	1	0	3	1	0	0	0	0	0	0
Malignant neoplasm of kidney and renal pelvis	14	0	0	0	0	0	0	5	0	3	2	3	0	0	0	1	0
Malignant neoplasm of bladder	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz	Unknown
Malignant neoplasm of meninges, brain and other parts of CNS	4	0	0	1	0	0	0	0	1	2	0	0	0	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	31	5	0	5	2	1	0	5	1	4	2	5	0	0	0	1	0
Hodgkin's disease	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	11	2	0	1	1	0	0	2	0	3	0	2	0	0	0	0	0
Leukemia	10	0	0	2	1	1	0	2	0	1	2	0	0	0	0	1	0
Multiple myeloma and immunoproliferative neoplasms	9	3	0	2	0	0	0	0	1	0	0	3	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	35	10	0	4	0	1	0	4	0	11	3	1	0	1	0	0	0
In situ neoplasms	4	1	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0
Anemias	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Diabetes	98	17	1	10	9	2	1	25	1	9	10	8	0	0	2	0	3
Nutritional deficiencies	4	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Malnutrition	4	3	0	0	0	0	0	0	0	0	1	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
Meningitis	3	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	15	7	0	2	1	1	0	1	0	1	1	0	0	0	0	1	0
Alzheimer's disease	14	4	0	0	0	1	0	3	0	2	2	0	0	0	1	0	1
Major cardiovascular diseases	289	56	4	25	11	3	0	54	11	62	29	17	0	5	4	4	4
Diseases of heart	225	49	2	19	8	2	0	41	11	50	20	14	0	4	1	3	1
Acute rheumatic fever and chronic rheumatic heart disease	3	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Hypertensive heart disease	16	2	1	2	0	0	0	1	1	3	2	3	0	0	0	1	0
Hypertensive heart and renal disease	4	1	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0
Ischemic heart disease	144	27	1	14	5	0	0	29	9	32	12	8	0	3	1	2	1
Acute myocardial infarction	45	9	0	9	0	0	0	7	2	11	3	1	0	1	0	1	1
Other acute ischemic heart disease	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Other forms of chronic ischemic heart disease	97	17	1	5	5	0	0	22	7	21	9	7	0	2	0	1	0
Atherosclerotic cardiovascular disease	38	10	1	2	2	0	0	6	3	8	3	3	0	0	0	0	0
All other forms of chronic ischemic heart disease	59	7	0	3	3	0	0	16	4	13	6	4	0	2	0	1	0
Other heart diseases	58	17	0	3	2	2	0	11	1	12	6	3	0	1	0	0	0
Acute and subacute endocarditis	2	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Diseases of pericardium and acute myocarditis	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Heart failure	15	7	0	0	0	0	0	2	0	3	2	0	0	1	0	0	0
All other forms of heart disease	40	10	0	3	2	1	0	9	1	9	3	2	0	0	0	0	0
Essential (primary) hypertension and hypertensive renal disease	12	0	1	2	0	1	0	0	0	0	3	1	0	0	1	1	2
Cerebrovascular diseases	42	5	1	4	2	0	0	12	0	9	4	1	0	1	2	0	1

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz	Unknown
Atherosclerosis	3	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Other diseases of circulatory system	7	1	0	0	0	0	0	1	0	2	2	1	0	0	0	0	0
Aortic aneurysm and dissection	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	5	1	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0
Other disorders of circulatory system	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza and pneumonia	73	15	1	11	5	1	0	12	1	14	2	5	0	3	2	0	1
Influenza	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonia	71	13	1	11	5	1	0	12	1	14	2	5	0	3	2	0	1
Other acute lower respiratory infections	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Acute bronchiolitis	1	0	0	0	0	0	0	1	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	4	0	2	3	0	0	6	4	4	3	2	0	0	1	1	0
Bronchitis, chronic and unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emphysema	4	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0	0
Asthma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chronic lower respiratory diseases	26	4	0	2	2	0	0	6	2	4	2	2	0	0	1	1	0
Pneumoconioses and chemical effects	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	16	3	0	3	0	0	0	2	1	6	1	0	0	0	0	0	0
Other disease of respiratory system	25	6	0	6	0	0	0	3	0	6	1	1	0	0	0	0	2
Peptic ulcer	3	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0
Diseases of appendix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hernia	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Chronic liver disease and cirrhosis	106	10	0	9	10	2	0	28	2	12	21	6	0	3	1	1	1
Alcoholic liver disease	86	8	0	6	7	2	0	25	1	11	15	6	0	2	1	1	1
Other chronic liver disease and cirrhosis	20	2	0	3	3	0	0	3	1	1	6	0	0	1	0	0	0
Cholelithiasis and other disorders of gallbladder	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nephritis, nephrotic syndrome and nephrosis	47	6	0	5	7	0	0	6	0	7	7	7	0	0	0	2	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	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Renal failure	46	6	0	5	7	0	0	5	0	7	7	7	0	0	0	2	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	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	2	1	0	0	0	0	0	0	0	1	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 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2008

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz	Unknown
Other complications of pregnancy, childbirth and the puerperium	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Perinatal conditions	22	4	0	2	1	0	0	8	0	3	2	1	0	0	0	0	1
Congenital anomalies, deformations and chromosomal abnormalities	14	5	0	1	1	0	0	2	1	2	0	1	0	0	1	0	0
Symptoms, signs, abnormal findings	63	5	0	11	0	0	0	23	0	7	11	5	0	0	0	1	0
Total accidents	243	63	0	34	15	3	0	29	4	52	20	10	0	1	1	5	6
Transport accidents	137	30	0	19	9	2	0	17	2	25	14	9	0	1	0	3	6
Motor vehicle accidents	129	29	0	18	9	2	0	16	2	25	11	8	0	1	0	2	6
Other land transport accidents	7	1	0	1	0	0	0	1	0	0	3	0	0	0	0	1	0
Water, air, space	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Nontransport accidents	106	33	0	15	6	1	0	12	2	27	6	1	0	0	1	2	0
Falls	26	6	0	5	2	0	0	3	1	7	1	0	0	0	0	1	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	7	1	0	0	1	0	0	0	0	3	0	1	0	0	1	0	0
Accidental exposure to smoke, fire and flames	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Accidental poisoning	34	10	0	7	2	0	0	5	1	5	3	0	0	0	0	1	0
Other and unspecified nontransport accidents	38	16	0	3	1	1	0	3	0	12	2	0	0	0	0	0	0
Intentional self-harm (suicide)	53	18	1	3	1	1	0	8	2	7	8	2	0	2	0	0	0
By discharge of firearms	13	3	0	1	0	0	0	4	1	1	2	1	0	0	0	0	0
By other means	40	15	1	2	1	1	0	4	1	6	6	1	0	2	0	0	0
Assault (homicide)	44	8	0	4	0	1	0	10	1	5	8	4	0	1	0	2	0
By discharge of firearms	15	2	0	1	0	0	0	6	0	1	4	1	0	0	0	0	0
By other means	29	6	0	3	0	1	0	4	1	4	4	3	0	1	0	2	0
Legal intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Events of undetermined intent	8	2	0	1	0	1	0	2	0	2	0	0	0	0	0	0	0
Discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified events of undetermined intent	8	2	0	1	0	1	0	2	0	2	0	0	0	0	0	0	0
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	5	0	0	0	0	0	0	2	0	1	2	0	0	0	0	0	0
INJURY BY FIREARMS	28	5	0	2	0	0	0	10	1	2	6	2	0	0	0	0	0
DRUG-INDUCED DEATHS	22	3	0	2	2	0	0	7	1	1	4	0	0	1	0	1	0
ALCOHOL-INDUCED DEATHS	141	26	0	19	9	4	0	32	1	21	18	6	0	2	1	1	1

5.8

DEATHS FROM MOTOR VEHICLE-RELATED INJURIES AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE,
GENDER AND AGE GROUP, ARIZONA, 2008

		TOTAL	Resided on reservation											Resided off reservation				
			Colorado River Indian Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Navajo Nation	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'odham Tribe	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	129	1	5	2	9	2	47	4	9	8	9	96	10	6	3	14	33
	<1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	1-4	2	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1
	5-14	3	0	1	1	0	0	1	0	0	0	0	3	0	0	0	0	0
	15-24	34	0	1	0	1	0	8	2	3	2	4	21	3	2	3	5	13
	25-34	25	0	1	0	2	1	10	0	1	0	1	16	3	2	0	4	9
	35-44	19	1	1	1	1	0	7	0	1	4	2	18	1	0	0	0	1
	45-54	20	0	0	0	2	1	8	1	2	1	1	16	1	0	0	3	4
	55-64	11	0	1	0	1	0	2	1	1	1	1	8	0	1	0	2	3
	65-74	11	0	0	0	2	0	6	0	1	0	0	9	2	0	0	0	2
	75-84	2	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0
85+	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	
M	ALL AGES	84	1	4	0	8	2	28	3	7	4	3	60	9	4	2	9	24
	1-4	2	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1
	5-14	2	0	1	0	0	0	1	0	0	0	0	2	0	0	0	0	0
	15-24	21	0	0	0	1	0	5	2	3	1	1	13	2	1	2	3	8
	25-34	18	0	1	0	2	1	6	0	1	0	1	12	3	1	0	2	6
	35-44	13	1	1	0	1	0	6	0	0	2	1	12	1	0	0	0	1
	45-54	13	0	0	0	2	1	5	0	1	1	0	10	1	0	0	2	3
	55-64	9	0	1	0	1	0	2	1	1	0	0	6	0	1	0	2	3
	65-74	6	0	0	0	1	0	2	0	1	0	0	4	2	0	0	0	2
F	ALL AGES	45	0	1	2	1	0	19	1	2	4	6	36	1	2	1	5	9
	<1	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	5-14	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	15-24	13	0	1	0	0	0	3	0	0	1	3	8	1	1	1	2	5
	25-34	7	0	0	0	0	0	4	0	0	0	4	0	1	0	2	3	
	35-44	6	0	0	1	0	0	1	0	1	2	1	6	0	0	0	0	0
	45-54	7	0	0	0	0	0	3	1	1	0	1	6	0	0	0	1	1
	55-64	2	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0
	65-74	5	0	0	0	1	0	4	0	0	0	0	5	0	0	0	0	0
	75-84	2	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0
	85+	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0

5.9

**INTENTIONAL SELF-HARM (SUICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE,
GENDER AND AGE GROUP, ARIZONA, 2008**

		TOTAL	Resided on reservation										Resided off reservation			
			Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Navajo Nation	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	53	2	1	2	1	20	2	2	6	3	39	6	2	6	14
	5-14	2	0	0	0	1	0	0	0	0	0	1	0	0	1	1
	15-24	30	1	0	2	0	11	1	2	3	2	22	6	0	2	8
	25-34	7	0	1	0	0	3	0	0	2	0	6	0	1	0	1
	35-44	8	1	0	0	1	2	0	0	1	0	5	0	1	2	3
	45-54	6	0	0	0	0	3	1	0	0	1	5	0	0	1	1
M	ALL AGES	41	2	1	1	1	16	1	2	3	2	29	5	2	5	12
	5-14	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0
	15-24	23	1	0	1	0	8	1	2	1	2	16	5	0	2	7
	25-34	6	0	1	0	0	3	0	0	1	0	5	0	1	0	1
	35-44	8	1	0	0	1	2	0	0	1	0	5	0	1	2	3
	45-54	3	0	0	0	0	2	0	0	0	0	2	0	0	1	1
F	ALL AGES	12	0	0	1	0	4	1	0	3	1	10	1	0	1	2
	5-14	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	15-24	7	0	0	1	0	3	0	0	2	0	6	1	0	0	1
	25-34	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	45-54	3	0	0	0	0	1	1	0	0	1	3	0	0	0	0

5.10

ASSAULT (HOMICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER AND AGE GROUP, ARIZONA, 2008

		TOTAL	Resided on reservation									Resided off reservation					
			Ak-Chin Indian Community	Colorado River Indian Tribe	Gila River Indian Community	Hopi Tribe	Hualapai Nation	Navajo Nation	San Carlos Apache Tribe	Tohono O'Odham Tribe	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	44	1	1	2	3	1	11	1	3	1	24	10	5	1	4	20
	1-4	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	15-24	13	0	0	1	0	0	4	0	2	1	8	2	3	0	0	5
	25-34	15	0	0	0	2	0	4	1	0	0	7	4	1	0	3	8
	35-44	6	0	1	1	0	0	1	0	0	0	3	1	1	0	1	3
	45-54	7	1	0	0	1	1	2	0	1	0	6	1	0	0	0	1
	65-74	2	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
M	ALL AGES	36	1	1	2	3	1	10	1	2	0	21	7	5	1	2	15
	15-24	11	0	0	1	0	0	4	0	2	0	7	1	3	0	0	4
	25-34	14	0	0	0	2	0	4	1	0	0	7	4	1	0	2	7
	35-44	4	0	1	1	0	0	0	0	0	0	2	1	1	0	0	2
	45-54	6	1	0	0	1	1	2	0	0	0	5	1	0	0	0	1
	65-74	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
F	ALL AGES	8	0	0	0	0	0	1	0	1	1	3	3	0	0	2	5
	1-4	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	15-24	2	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1
	25-34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	35-44	2	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1
	45-54	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	65-74	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

5.11

DIABETES-RELATED DEATHS AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER AND AGE GROUP, ARIZONA, 2008

		TOTAL	Resided on reservation													Resided off reservation					
			Ak-Chin Indian Community	Cocopah Tribe	Fort McDowell Yavapai Nation	Fort Mojavel Indian Tribe	Gila River Indian Community	Hopi Tribe	Hualapai Nation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	White Mountain Apache Tribe	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	216	2	2	2	1	17	9	1	67	5	9	19	13	6	153	27	9	1	26	63
	15-24	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	25-34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	35-44	11	1	0	1	0	0	0	0	2	0	1	1	1	2	9	1	1	0	0	2
	45-54	32	0	0	1	1	7	0	0	4	1	0	3	3	0	20	5	1	0	6	12
	55-64	49	1	1	0	0	2	1	1	15	2	5	4	0	1	33	5	4	1	6	16
	65-74	47	0	0	0	0	4	1	0	14	1	2	6	6	2	36	7	0	0	4	11
	75-84	51	0	1	0	0	3	7	0	21	1	0	3	3	1	40	4	1	0	6	11
85+	24	0	0	0	0	1	0	0	10	0	1	2	0	0	14	4	2	0	4	10	
M	ALL AGES	94	0	1	1	1	9	2	1	27	2	5	8	5	2	64	12	4	1	13	30
	15-24	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	35-44	7	0	0	1	0	0	0	0	0	0	1	1	1	5	1	1	0	0	2	
	45-54	18	0	0	0	1	3	0	0	3	1	0	0	2	0	10	2	1	0	5	8
	55-64	23	0	1	0	0	2	0	1	8	0	3	2	0	1	18	1	1	1	2	5
	65-74	20	0	0	0	0	2	0	0	5	0	1	4	1	0	13	5	0	0	2	7
	75-84	18	0	0	0	0	2	2	0	7	1	0	0	1	0	13	2	1	0	2	5
	85+	7	0	0	0	0	0	0	0	3	0	0	1	0	0	4	1	0	0	2	3
F	ALL AGES	122	2	1	1	0	8	7	0	40	3	4	11	8	4	89	15	5	0	13	33
	25-34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	35-44	4	1	0	0	0	0	0	0	2	0	0	0	0	1	4	0	0	0	0	0
	45-54	14	0	0	1	0	4	0	0	1	0	0	3	1	0	10	3	0	0	1	4
	55-64	26	1	0	0	0	0	1	0	7	2	2	2	0	0	15	4	3	0	4	11
	65-74	27	0	0	0	0	2	1	0	9	1	1	2	5	2	23	2	0	0	2	4
	75-84	33	0	1	0	0	1	5	0	14	0	0	3	2	1	27	2	0	0	4	6
	85+	17	0	0	0	0	1	0	0	7	0	1	1	0	0	10	3	2	0	2	7

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 (98 in 2008) is shown in Tables 5.4 - 5.7.

5.12

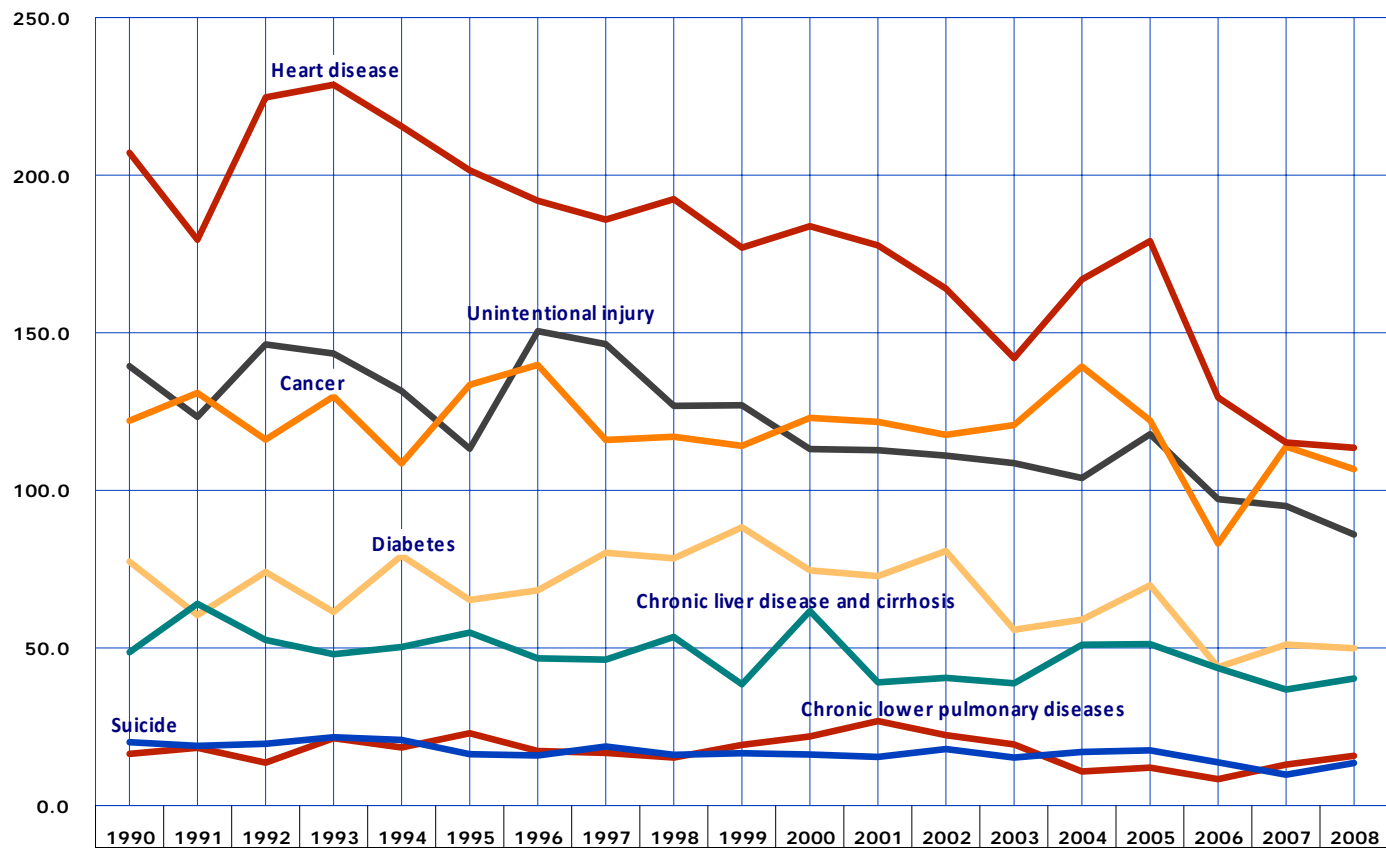
ALCOHOL-INDUCED DEATHS AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER AND AGE GROUP, ARIZONA, 2008

		TOTAL	Resided on reservation											Resided off reservation						
			Fort McDowell Yavapai Nation	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	White Mountain Apache Tribe	Yavapai-Apache Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	141	1	4	1	6	1	43	4	7	13	8	5	1	94	21	8	3	15	47
	15-24	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	25-34	9	0	0	0	0	0	2	0	0	2	0	0	0	4	1	1	0	3	5
	35-44	46	0	1	1	1	1	13	2	2	5	3	4	0	33	5	3	0	5	13
	45-54	40	0	2	0	1	0	14	1	3	2	2	0	1	26	6	2	0	6	14
	55-64	34	0	1	0	2	0	9	1	2	4	3	0	0	22	6	2	3	1	12
	65-74	7	0	0	0	2	0	3	0	0	0	0	0	0	5	2	0	0	0	2
	75-84	3	1	0	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	1
85+	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	
M	ALL AGES	97	1	4	0	4	1	36	3	6	10	5	1	1	72	10	3	2	10	25
	25-34	6	0	0	0	0	0	2	0	0	2	0	0	0	4	0	0	0	2	2
	35-44	30	0	1	0	1	1	9	2	2	4	1	1	0	22	4	1	0	3	8
	45-54	31	0	2	0	0	0	13	1	2	2	2	0	1	23	3	1	0	4	8
	55-64	20	0	1	0	1	0	7	0	2	2	2	0	0	15	1	1	2	1	5
	65-74	6	0	0	0	2	0	3	0	0	0	0	0	0	5	1	0	0	0	1
	75-84	3	1	0	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	1
	85+	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
F	ALL AGES	44	0	0	1	2	0	7	1	1	3	3	4	0	22	11	5	1	5	22
	15-24	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
	25-34	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	3
	35-44	16	0	0	1	0	0	4	0	0	1	2	3	0	11	1	2	0	2	5
	45-54	9	0	0	0	1	0	1	0	1	0	0	0	0	3	3	1	0	2	6
	55-64	14	0	0	0	1	0	2	1	0	2	1	0	0	7	5	1	1	0	7
	65-74	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1



COMPARATIVE CAUSE-SPECIFIC MORTALITY

5.13
Temporal Changes* in the Selected Leading Causes of Death among American Indian Residents of Arizona, 1990-2008



* 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 2008" report.

5.14

Five Leading Causes of Death* by Gender among American Indian Residents of Arizona in 2008

Rank	Female	Both	Male
1	Diseases of heart 103.1	Diseases of heart 113.5	Unintentional injury 132.6
2	Cancer 93.2	Cancer 106.7	Diseases of heart 127.5
3	Diabetes 52.1	Unintentional injury 86.0	Cancer 126.4
4	Unintentional injury 44.4	Diabetes 49.9	Chronic liver disease and cirrhosis 52.1
5	Influenza and pneumonia 33.3	Chronic liver disease and cirrhosis 40.3	Diabetes 46.4

* 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 2008" report.

5.15
Five Leading Causes of Death among American Indians by Gender and Residence
On or Off Reservation, Arizona, 2008

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	Cancer 14.3%	Diseases of heart 17.5%	Unintentional injury 20.0%	Unintentional injury 13.9%
2	Diseases of heart 13.7%	Cancer 15.1%	Diseases of heart 12.2%	Cancer 13.7%
3	Unintentional injury 10.8%	Chronic liver disease and cirrhosis 9.9%	Cancer 10.1%	Diseases of heart 10.4%
4	Diabetes 8.8%	Diabetes 5.2%	Chronic liver disease and cirrhosis 6.2%	Chronic liver disease and cirrhosis 6.8%
5	Influenza & pneumonia 6.1%	Unintentional injury 5.2%	Suicide 4.3%	Assault 4.9%

* Percent of total deaths in specified group.

5.16
Proportional Mortality* by Type of Cancer and Gender among American Indians and all Residents of Arizona, 1998-2008

Rank	Arizona male**	American Indian male	Arizona female**	American Indian female
1	Trachea, bronchus, lung 29.1%	Prostate 11.4%	Trachea, bronchus, lung 25.8%	Breast 13.1%
2	Prostate 10.8%	Lymphoma 10.0%	Breast 15.7%	Lymphoma 10.0
3	Colon, rectum, anus 9.6	Trachea, bronchus, lung 9.7%	Colon, rectum, anus 9.6%	Trachea, bronchus, lung 8.0%
4	Lymphoma 8.9%	Liver 8.2%	Lymphoma 7.9%	Ovary 6.5%
5	Pancreas 4.7%	Colon, rectum, anus 8.1%	Ovary 4.9%	Colon, rectum, anus 5.8%
6	Esophagus 3.1%	Kidney 7.2%	Pancreas 4.8%	Liver 5.0%
7	Liver 3.0%	Stomach 7.2%	Brain 2.0%	Stomach 5.0%
8	Bladder 2.8%	Pancreas 5.6%	Liver 1.8%	Pancreas 4.6%
9	Kidney 2.4%	Esophagus 3.1%	Uterus 1.7%	Cervix uteri 4.2%
10	Brain 2.1%	Lip/oral cavity 1.6%	Kidney 1.6%	Kidney 3.9%

*Percent of cancer deaths in specified group in 1998-2008.

**All race/ethnic groups combined.

***Malignant neoplasm of lymphoid, hematopoietic and related tissue.

Note: percentages based on frequency counts in table 5-17.

5.17
Proportional Mortality* by Mechanism of Unintentional Injury and Gender among
American Indians and all Residents of Arizona, 1998-2008

Rank	Arizona male**	American Indian male	Arizona female**	American Indian female
1	Motor vehicle-related 41.5%	Motor vehicle-related 58.2%	Motor vehicle-related 35.7%	Motor vehicle-related 66.8%
2	Poisoning by drugs 19.5%	Poisoning by drugs 7.3%	Fall 30.9	Fall 9.1%
3	Fall 15.5	Fall 6.1%	Poisoning by drugs 14.8%	Poisoning by drugs 7.3%
4	Drowning 3.7%	Exposure to cold 5.0%	Drowning 2.4%	Exposure to cold 2.1%
5	Exposure to heat 1.7%	Drowning 3.1%	Choked on objects other than food 2.4%	Drowning 2.0%
6	Fire, flames, smoke 1.5%	Poisoning by gases 2.9%	Misadventures during medical care 2.4%	Poisoning by gases 1.8%
7	Choked on object other than food 1.5%	Fire, flames, smoke 1.9%	Fire, flames, smoke 1.9%	Fire, flames, smoke 1.7%
8	Mechanical suffocation 1.3%	Mechanical suffocation 1.8%	Choked on food 1.4%	Misadventures during medical care 1.4%
9	Poisoning by gases 1.3%	Railway accident 1.5%	Exposure to heat 1.1%	Mechanical suffocation 1.3%
10	Firearm discharge 1.1%	Choked on objects other than food 1.3%	Mechanical suffocation 0.8%	Choked on objects other than food 1.3%

*Percent of unintentional injury deaths in specified group in 1998-2008.

**All race/ethnic groups combined.

Note: Percentages based on frequency counts in table 5-18.

5.18

**COMPARISON OF MORTALITY BY SPECIFIC TYPE OF CANCER BY GENDER AMONG AMERICAN INDIANS AND
ALL RESIDENTS* OF ARIZONA, 2000-2008**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Malignant neoplasms, total	102,704	54,948	47,756	1,942	928	1,014
Malignant neoplasm of lip, oral cavity and pharynx	1,126	775	351	20	15	5
Malignant neoplasm of esophagus	2,109	1,688	421	32	29	3
Malignant neoplasm of stomach	1,702	1,026	676	118	67	51
Malignant neoplasm of colon, rectum and anus	9,883	5,284	4,599	134	75	59
Malignant neoplasm of liver and intrahepatic bile ducts	2,536	1,665	871	127	76	51
Malignant neoplasm of pancreas	4,912	2,600	2,312	99	52	47
Malignant neoplasm of larynx	484	384	100	3	2	1
Malignant neoplasm of trachea, bronchus and lung	28,294	15,974	12,320	171	90	81
Malignant melanoma of skin	1,638	1,129	509	11	8	3
Malignant neoplasm of breast	7,574	67	7,507	135	2	133
Malignant neoplasm of cervix uteri	682	0	682	43	0	43
Malignant neoplasm of corpus uteri and uterus, part unspecified	824	0	824	22	0	22
Malignant neoplasm of ovary	2,354	0	2,354	66	0	66
Malignant neoplasm of prostate	5,932	5,932	0	106	106	0
Malignant neoplasm of kidney and renal pelvis	2,035	1,293	742	107	67	40
Malignant neoplasm of bladder	2,123	1,541	582	18	9	9
Malignant neoplasm of meninges, brain and other parts of central nervous system	2,121	1,177	944	29	14	15
Malignant neoplasm of lymphoid, hematopoietic and related tissue	8,660	4,887	3,773	194	93	101
Hodgkin's disease	182	113	69	2	2	0
Non-Hodgkin's lymphoma	3,465	1,883	1,582	66	30	36
Leukemia	3,316	1,925	1,391	68	32	36
Multiple myeloma and immunoproliferative neoplasms	1,691	962	729	58	29	29
Other and unspecified malignant neoplasms of lymphoid tissue	6	4	2	0	0	0
All other and unspecified malignant neoplasms	9,641	5,199	4,442	281	110	171

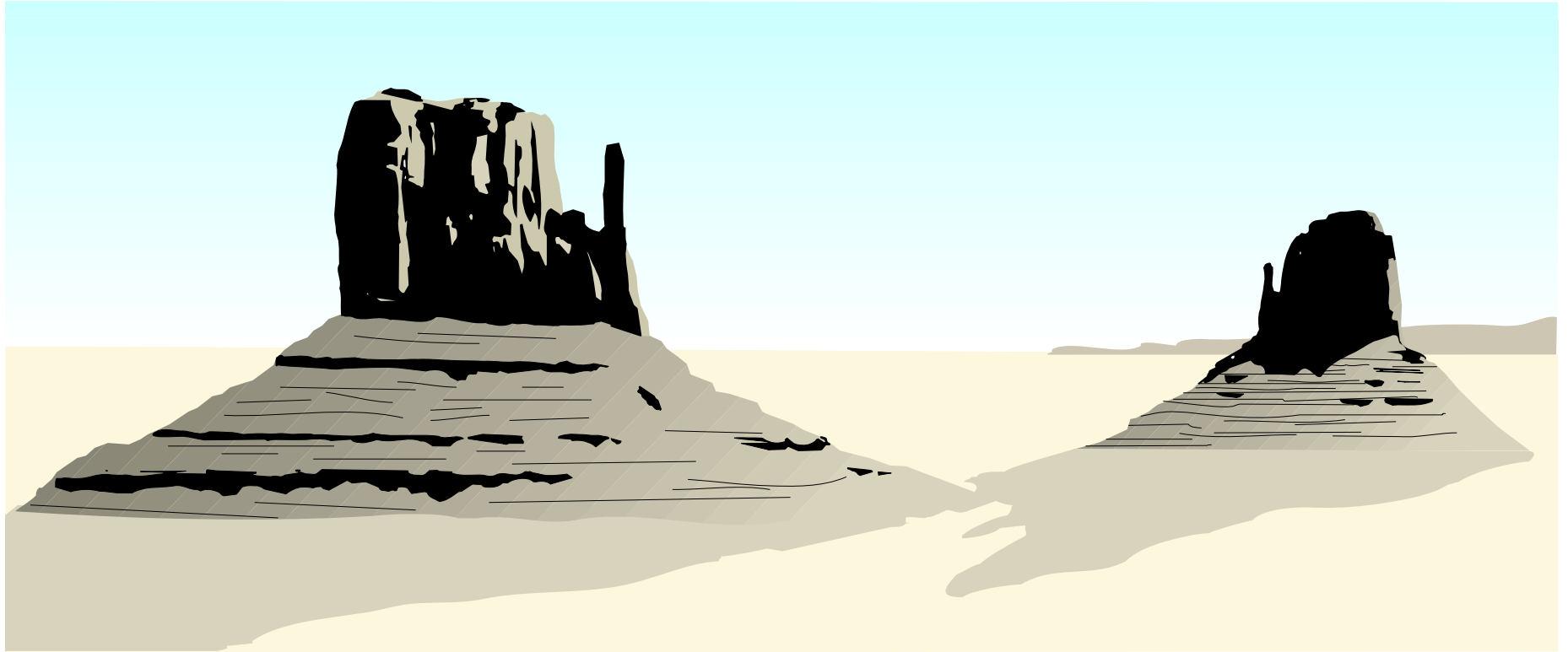
* All race/ethnic groups combined.

5.19

**UNINTENTIONAL INJURY DEATHS BY MECHANISM AND GENDER AMONG AMERICAN INDIANS AND
ALL RESIDENTS OF ARIZONA, 1998-2008**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Unintentional injury, total	28,138	18,361	9,777	2,884	2,038	846
Railway accidents	114	101	13	36	30	6
Motor vehicle -related	11,119	7,628	3,491	1,752	1,187	565
Water transport accident	47	35	12	0	0	0
Accident involving aircraft	215	190	25	1	1	0
Poisoning by drugs/medicaments	5,029	3,580	1,449	206	149	57
Poisoning by gases and vapors	312	236	76	74	59	15
Falls	5,865	2,841	3,024	202	125	77
Fire, flames, smoke	465	283	182	52	38	14
Excessive natural heat	427	319	108	31	25	6
Excessive natural cold	204	170	34	120	102	18
Contact with venomous snakes and lizards	4	4	0	0	0	0
Contact with venomous spiders	4	1	3	0	0	0
Contact with scorpions	3	1	2	0	0	0
Contact with hornets, wasps, bees	0	0	0	0	0	0
Bitten or struck by dog	11	5	6	1	0	1
Lightning	18	14	4	4	3	1
Storms and floods	11	10	1	4	4	0
Accidental drowning and submersion	917	684	233	81	64	17
Choked on food	332	200	132	28	20	8
Choked on other objects	505	272	233	38	27	11
Mechanical suffocation	312	237	75	47	36	11
Accidental discharge of firearms	246	206	40	22	20	2
Exposure to electric current	78	76	2	5	4	1
Overexertion	1	1	0	1	1	0
Adverse effects of drugs in therapetic use	52	23	29	0	0	0
Misadventures to patients during medical/surgical care	430	198	232	22	10	12

* All race/ethnic groups combined.



TECHNICAL NOTES

Sources of Data

The charts 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).

The 2000 Census data for Arizona's Indian Reservations are available at http://www.workforce.az.gov/admin/uploadedPublications/506_resage00.xls

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 - Prior to 1990: any neonate whose weight at birth is 2,500 grams or less. Beginning in 1990: 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	2008 population of American Indians	2008 deaths among American Indians	Age-specific rates for American Indians in 2008	2000 standard	Age-adjusted rate for American Indians In 2008
A	B	C	D (C/B)*100000	E	F D*E
<1	6366	52	816.8	.013818	11.3
1-4	24008	15	62.5	.055317	3.5
5-14	64566	11	17.0	.145565	2.5
15-24	67971	105	154.5	.138646	21.4
25-34	51082	112	219.3	.135573	29.7
35-44	45151	190	420.8	.162613	68.4
45-54	37679	266	706.0	.134834	95.2
55-64	23474	243	1035.2	.087247	90.3
65-74	13107	252	1922.6	.066037	127.0
75-84	6563	262	3992.1	.044842	179.0
85+	2405	214	8898.1	.015508	138.0
	342372	1722		TOTAL	766.3

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.

Comparability ratios Comparability ratios are measures of comparison between ICD-9 and ICD-10. Any comparison of causes of mortality in Arizona between 2000 and previous years needs to take into account the changes in statistical trends that can be attributed to changes in the classification system alone. Comparability ratio of 1.0 indicates that the same number of deaths would be assigned to a cause-of-death when ICD-9 or ICD-10 was used. The [online](#) table provides comparable cause-of-death categories in ICD-9 and ICD-10 and shows comparability ratios for approximately 113 causes of death.

Cause-of-Death Categories and Comparability Ratios for Selected 113 Causes of Death

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative standard error	95-percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
			Salmonella infections	A01-A02				002-003	30
Shigellosis and amebiasis	A03,A06	004,006	*	*	*	*	*	*	*
Certain other intestinal infections	A04,A07-A09	007-009	*	*	*	*	*	*	*
Tuberculosis	A16-A19	010-018	653	764	0.8547	0.0172	2.0	0.8209	0.8885
Respiratory tuberculosis	A16	010-012	518	572	0.9056	0.0201	2.2	0.8662	0.9450
Other tuberculosis	A17-A19	013-018	135	192	0.7031	0.0407	5.8	0.6233	0.7830
Whooping cough	A37	033	*	*	*	*	*	*	*
Scarlet fever and erysipelas	A38,A46	034.1-035	*	*	*	*	*	*	*
Meningococcal infection	A39	036	221	222	0.9955	0.0149	1.5	0.9663	1.0247
Septicemia	A40-A41	038	21,258	17,791	1.1949	0.0042	0.3	1.1867	1.2030
Syphilis	A50-A53	090-097	21	33	0.6364	0.1184	18.6	0.4043	0.8685
Acute poliomyelitis	A80	045	*	*	*	*	*	*	*
Arthropod-borne viral encephalitis	A83-A84,A85.2	062-064	*	*	*	*	*	*	*
Measles	B05	055	*	*	*	*	*	*	*
Viral hepatitis	B15-B19	070	1,123	1,346	0.8343	0.0120	1.4	0.8109	0.8578
Human immunodeficiency virus (HIV) disease	B20-B24	*042-*044	12,765	11,150	1.1448	0.0045	0.4	1.1360	1.1536
Malaria	B50-B54	084	*	*	*	*	*	*	*
Other and unspecified infectious and parasitic diseases and their sequelae	A00,A05,A20-A36,A42-A44,A48-A49, A54-A79,A81-A82,A85.0-A85.1,A85.8, A86-B04,B06-B09,B25-B49,B55-B99	001,005,020-032,037,039-041,046-054, 056-061,065-066,071-083,085-088, 098-134,136-139,771.3							
Malignant neoplasms	C00-C97	140-208	464,688	461,544	1.0068	0.0002	0.0	1.0064	1.0072
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14	140-149	5,927	6,172	0.9603	0.0040	0.4	0.9525	0.9681
Malignant neoplasm of esophagus	C15	150	9,596	9,630	0.9965	0.0020	0.2	0.9926	1.0003
Malignant neoplasm of stomach	C16	151	11,480	11,408	1.0063	0.0019	0.2	1.0025	1.0101
Malignant neoplasms of colon, rectum and anus	C18-C21	153-154	48,583	48,619	0.9993	0.0009	0.1	0.9975	1.0010
Malignant neoplasms of liver and intrahepatic bile ducts	C22	155	9,732	10,102	0.9634	0.0023	0.2	0.9588	0.9679
Malignant neoplasm of pancreas	C25	157	24,313	24,361	0.9980	0.0009	0.1	0.9963	0.9997
Malignant neoplasm of larynx	C32	161	3,209	3,194	1.0047	0.0053	0.5	0.9943	1.0150
Malignant neoplasms of trachea, bronchus and lung	C33-C34	162	131,750	133,936	0.9837	0.0005	0.1	0.9827	0.9846
Malignant melanoma of skin	C43	172	5,941	6,139	0.9677	0.0032	0.3	0.9614	0.9741
Malignant neoplasm of breast	C50	174-175	38,102	37,891	1.0056	0.0010	0.1	1.0036	1.0075
Malignant neoplasm of cervix uteri	C53	180	3,753	3,802	0.9871	0.0034	0.3	0.9805	0.9938
Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55	179,182	5,318	5,183	1.0260	0.0040	0.4	1.0182	1.0339
Malignant neoplasm of ovary	C56	183.0	11,292	11,344	0.9954	0.0016	0.2	0.9923	0.9985
Malignant neoplasm of prostate	C61	185	30,672	30,267	1.0134	0.0015	0.1	1.0105	1.0162
Malignant neoplasms of kidney and renal pelvis	C64-C65	189.0,189.1	9,521	9,521	1.0000	0.0022	0.2	0.9957	1.0043
Malignant neoplasm of bladder	C67	188	9,563	9,594	0.9968	0.0026	0.3	0.9916	1.0019
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72	191-192	10,039	10,359	0.9691	0.0025	0.3	0.9642	0.9740
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96	200-208	44,715	44,530	1.0042	0.0012	0.1	1.0019	1.0064
Hodgkin's disease	C81	201	1,021	1,036	0.9855	0.0089	0.9	0.9680	1.0030
Non-Hodgkin's lymphoma	C82-C85	200,202	17,924	18,326	0.9781	0.0018	0.2	0.9745	0.9817
Leukemia	C91-C95	204-208	16,600	16,405	1.0119	0.0019	0.2	1.0083	1.0155

See footnotes at end of table.

Cause-of-Death Categories and Comparability Ratios for Selected 113 Causes of Death

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative standard error	95-percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Multiple myeloma and immunoproliferative neoplasms	C88,C90	203	9,099	8,763	1.0383	0.0030	0.3	1.0324	1.0443
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96	- - -	*	*	*	*	*	*	*
All other and unspecified malignant neoplasms	C17,C23-C24,C26-C31,C37-C41, C44-C49,C51-C52,C57-C60, C66,C68-C69,C73-C80,C97	152,156,158-160,163-171,173,181, 183.2-184,186-187,189.2-190, 193-199	51,182	45,492	1.1251	0.0021	0.2	1.1210	1.1292
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48	210-239	9,263	5,532	1.6744	0.0164	1.0	1.6422	1.7067
Anemias	D50-D64	280-285	3,059	3,200	0.9559	0.0077	0.8	0.9409	0.9710
Diabetes mellitus	E10-E14	250	48,636	48,242	1.0082	0.0011	0.1	1.0060	1.0103
Nutritional deficiencies	E40-E64	260-269	3,215	2,763	1.1636	0.0165	1.4	1.1312	1.1960
Malnutrition	E40-E46	260-263	2,607	2,665	0.9782	0.0151	1.5	0.9487	1.0078
Other nutritional deficiencies	E50-E64	264-269	608	98	6.2041	0.5961	9.6	5.0358	7.3724
Meningitis	G00,G03	320-322	592	584	1.0137	0.0136	1.3	0.9871	1.0403
Parkinson's disease	G20-G21	332	10,404	10,392	1.0012	0.0028	0.3	0.9956	1.0067
Alzheimer's disease	G30	331.0	29,707	19,121	1.5536	0.0071	0.5	1.5398	1.5675
Major cardiovascular diseases	I00-I78	390-434,436-448	796,919	798,435	0.9981	0.0002	0.0	0.9977	0.9985
Diseases of heart	I00-I09,I11,I13,I20-I51	390-398,402,404,410-429	615,564	624,405	0.9858	0.0002	0.0	0.9854	0.9863
Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09	390-398	2,446	2,980	0.8208	0.0089	1.1	0.8034	0.8382
Hypertensive heart disease	I11	402	17,322	21,577	0.8028	0.0028	0.3	0.7973	0.8083
Hypertensive heart and renal disease	I13	404	2,170	2,027	1.0705	0.0160	1.5	1.0392	1.1019
Ischemic heart diseases	I20-I25	410-414,429.2	466,459	466,935	0.9990	0.0002	0.0	0.9985	0.9994
Acute myocardial infarction	I21-I22	410	178,125	180,169	0.9887	0.0003	0.0	0.9880	0.9893
Other acute ischemic heart diseases	I24	411	2,667	2,638	1.0110	0.0117	1.2	0.9880	1.0340
Other forms of chronic ischemic heart disease	I20,I25	412-414,429.2	285,667	284,128	1.0054	0.0004	0.0	1.0046	1.0062
Atherosclerotic cardiovascular disease, so described	I25.0	429.2	64,354	61,362	1.0488	0.0016	0.2	1.0456	1.0519
All other forms of chronic ischemic heart disease	I20,I25.1-I25.9	412-414	221,313	222,766	0.9935	0.0004	0.0	0.9927	0.9942
Other heart diseases	I26-I51	415-429.1,429.3-429.9	127,167	130,886	0.9716	0.0010	0.1	0.9696	0.9736
Acute and subacute endocarditis	I33	421	552	554	0.9964	0.0137	1.4	0.9695	1.0233
Diseases of pericardium and acute myocarditis	I30-I31,I40	420,422-423	489	475	1.0295	0.0160	1.6	0.9981	1.0608
Heart failure	I50	428	44,297	42,554	1.0410	0.0013	0.1	1.0384	1.0435
All other forms of heart disease	I26-I28,I34-I38,I42-I49,I51	415-417,424-427,429.0-429.1,429.3-429.9	81,829	87,303	0.9373	0.0014	0.2	0.9345	0.9401
Essential (primary) hypertension and hypertensive renal disease	I10,I12	401,403	11,958	10,684	1.1192	0.0050	0.4	1.1094	1.1291
Cerebrovascular diseases	I60-I69	430-434,436-438	137,264	129,640	1.0588	0.0008	0.1	1.0572	1.0604
Atherosclerosis	I70	440	13,894	14,417	0.9637	0.0025	0.3	0.9588	0.9686
Other diseases of circulatory system	I71-I78	441-448	18,239	19,289	0.9456	0.0021	0.2	0.9414	0.9498
Aortic aneurysm and dissection	I71	441	12,216	12,201	1.0012	0.0010	0.1	0.9992	1.0032
Other diseases of arteries, arterioles and capillaries	I72-I78	442-448	6,023	7,088	0.8497	0.0053	0.6	0.8394	0.8601
Other disorders of circulatory system	I80-I99	451-459	2,984	2,899	1.0293	0.0172	1.7	0.9956	1.0631
Influenza and pneumonia	J10-J18	480-487	50,526	72,371	0.6982	0.0018	0.3	0.6947	0.7016
Influenza	J10-J11	487	572	567	1.0088	0.0073	0.7	0.9945	1.0231
Pneumonia	J12-J18	480-486	49,954	71,804	0.6957	0.0018	0.3	0.6922	0.6992
Other acute lower respiratory infections	J20-J22	466	346	355	0.9746	0.0392	4.0	0.8978	1.0515
Acute bronchitis and bronchiolitis	J20-J21	466	265	355	0.7465	0.0264	3.5	0.6947	0.7983

See footnotes at end of table.

Cause-of-Death Categories and Comparability Ratios for Selected 113 Causes of Death

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative standard error	95-percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Unspecified acute lower respiratory infection	J22	---	*	*	*	*	*	*	*
Chronic lower respiratory diseases	J40-J47	490-494,496	94,326	90,022	1.0478	0.0009	0.1	1.0460	1.0496
Bronchitis, chronic and unspecified	J40-J42	490-491	913	2,320	0.3935	0.0107	2.7	0.3726	0.4145
Emphysema	J43	492	14,369	14,774	0.9726	0.0031	0.3	0.9666	0.9786
Asthma	J45-J46	493	4,217	4,718	0.8938	0.0061	0.7	0.8819	0.9057
Other chronic lower respiratory diseases	J44,J47	494,496	74,827	68,210	1.0970	0.0014	0.1	1.0943	1.0998
Pneumoconioses and chemical effects	J60-J66,J68	500-506	860	845	1.0178	0.0099	1.0	0.9983	1.0372
Pneumonitis due to solids and liquids	J69	507	10,183	9,104	1.1185	0.0048	0.4	1.1092	1.1279
Other diseases of respiratory system	J00-J06,J30-J39,J67,J70-J98	034.0,460-465,470-478,495,508-519	16,656	14,269	1.1673	0.0052	0.4	1.1572	1.1774
Peptic ulcer	K25-K28	531-534	3,574	3,686	0.9696	0.0045	0.5	0.9608	0.9784
Diseases of appendix	K35-K38	540-543	209	202	1.0347	0.0242	2.3	0.9873	1.0820
Hernia	K40-K46	550-553	658	633	1.0395	0.0154	1.5	1.0094	1.0696
Chronic liver disease and cirrhosis	K70,K73-K74	571	21,688	20,920	1.0367	0.0027	0.3	1.0314	1.0420
Alcoholic liver disease	K70	571.0-571.3	10,147	9,965	1.0183	0.0050	0.5	1.0085	1.0281
Other chronic liver disease and cirrhosis	K73-K74	571.4-571.9	11,541	10,955	1.0535	0.0041	0.4	1.0454	1.0615
Cholelithiasis and other disorders of gallbladder	K80-K82	574-575	1,725	1,803	0.9567	0.0060	0.6	0.9450	0.9685
Nephritis, nephrotic syndrome and nephrosis	N00-N07,N17-N19,N25-N27	580-589	24,939	20,242	1.2320	0.0044	0.4	1.2234	1.2407
Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01,N04	580-581	161	249	0.6466	0.0342	5.3	0.5796	0.7136
Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified	N02-N03,N05-N07,N26	582-583,587	468	1,213	0.3858	0.0144	3.7	0.3575	0.4141
Renal failure	N17-N19	584-586	24,290	18,758	1.2949	0.0050	0.4	1.2852	1.3047
Other disorders of kidney	N25,N27	588-589	20	22	0.9091	0.0867	9.5	0.7392	1.0790
Infections of kidney	N10-N12,N13.6,N15.1	590	731	726	1.0069	0.0144	1.4	0.9786	1.0352
Hyperplasia of prostate	N40	600	326	327	0.9969	0.0159	1.6	0.9658	1.0280
Inflammatory diseases of female pelvic organs	N70-N76	614-616	63	64	0.9844	0.0410	4.2	0.9040	1.0648
Pregnancy, childbirth and the puerperium	O00-O99	630-676	*	*	*	*	*	*	*
Pregnancy with abortive outcome	O00-O07	630-639	*	*	*	*	*	*	*
Other complications of pregnancy, childbirth and the puerperium	O10-O99	640-676	*	*	*	*	*	*	*
Certain conditions originating in the perinatal period	P00-P96	760-771.2,771.4-779	10,184	9,555	1.0658	0.0033	0.3	1.0593	1.0724
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99	740-759	5,950	7,025	0.8470	0.0055	0.6	0.8362	0.8577
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99	780-799	16,940	17,732	0.9553	0.0034	0.4	0.9487	0.9620
All other diseases (Residual)	Residual	Residual	109,853	122,107	0.8996	0.0015	0.2	0.8968	0.9025
Accidents (unintentional injuries)	V01-X59,Y85-Y86	E800-E869,E880-E929	31,084	30,163	1.0305	0.0014	0.1	1.0278	1.0333
Transport accidents	V01-V99,Y85	E800-E848,E929.0,E929.1	17,547	17,586	0.9978	0.0006	0.1	0.9966	0.9990
Motor vehicle accidents	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	E810-E825	16,632	17,051	0.9754	0.0006	0.1	0.9742	0.9766

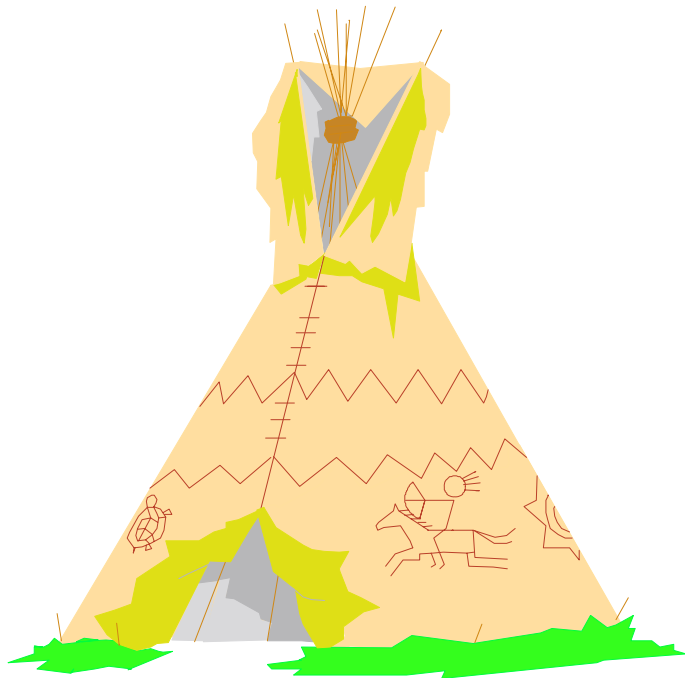
See footnotes at end of table.

Cause-of-Death Categories and Comparability Ratios for Selected 113 Causes of Death

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Category codes according to the Tenth Revision (ICD-10)	Category codes according to the Ninth Revision (ICD-9)	Number of deaths allocated according to		Estimated comparability ratio	Standard error	Relative standard error	95-percent confidence limits	
			Tenth Revision	Ninth Revision				Lower	Upper
Other land transport accidents	V01,V05-V06,V09.1,V09.3-V09.9, V10-V11,V15-V18,V19.3,V19.8-V19.9, V80.0-V80.2,V80.6-V80.9,V81.2-V81.9, V82.2-V82.9,V87.8,V88.9,V89.1,V89.3, V89.9	E800-E807,E826-E829	*	*	*	*	*	*	*
Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99,Y85	E830-E848,E929.0,E929.1	351	347	1.0115	0.0209	2.1	0.9706	1.0525
Nontransport accidents	W00-X59,Y86	E850-E869,E880-E928,E929.2-E929.9	13,537	12,577	1.0763	0.0035	0.3	1.0696	1.0831
Falls	W00-W19	E880-E888	5,173	6,152	0.8409	0.0049	0.6	0.8313	0.8505
Accidental discharge of firearms	W32-W34	E922	493	466	1.0579	0.0127	1.2	1.0331	1.0828
Accidental drowning and submersion	W65-W74	E910	283	284	0.9965	0.0127	1.3	0.9716	1.0213
Accidental exposure to smoke, fire and flames	X00-X09	E890-E899	493	506	0.9743	0.0089	0.9	0.9568	0.9918
Accidental poisoning and exposure to noxious substance	X40-X49	E850-E869,E924.1	*	*	*	*	*	*	*
Other and unspecified nontransport accidents and their sequelae	W20-W31,W35-W64,W75-W99, X10-X39,X50-X59,Y86	E900-E909,E911-E921,E923-E924.0, E924.8-E928,E929.2-E929.9	6,698	4,721	1.4188	0.0123	0.9	1.3947	1.4428
Intentional self-harm (suicide)	X60-X84,Y87.0	E950-E959	18,352	18,422	0.9962	0.0005	0.0	0.9952	0.9972
Intentional self-harm (suicide) by discharge of firearms	X72-X74	E955.0-E955.4	14,157	14,183	0.9982	0.0007	0.1	0.9968	0.9996
Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71,X75-X84,Y87.0	E950-E954,E955.5-E959	4,195	4,239	0.9896	0.0023	0.2	0.9850	0.9942
Assault (homicide)	X85-Y09,Y87.1	E960-E969	12,287	12,308	0.9983	0.0006	0.1	0.9972	0.9994
Assault (homicide) by discharge of firearms	X93-X95	E965.0-E965.4	8,718	8,745	0.9969	0.0008	0.1	0.9953	0.9985
Assault (homicide) by other and unspecified means and their sequelae	X85-X92,X96-Y09,Y87.1	E960-E964,E965.5-E969	3,569	3,563	1.0017	0.0024	0.2	0.9969	1.0064
Legal intervention	Y35,Y89.0	E970-E978	*	*	*	*	*	*	*
Events of undetermined intent	Y10-Y34,Y87.2,Y89.9	E980-E989	*	*	*	*	*	*	*
Discharge of firearms, undetermined intent	Y22-Y24	E985.0-E985.4	*	*	*	*	*	*	*
Other and unspecified events of undetermined intent and their sequelae	Y10-Y21,Y25-Y34,Y87.2,Y89.9	E980-E984,E985.5-E989	*	*	*	*	*	*	*
Operations of war and their sequelae	Y36,Y89.1	E990-E999	*	*	*	*	*	*	*
Complications of medical and surgical care	Y40-Y84,Y88	E870-E879,E930-E949	*	*	*	*	*	*	*
Injury by firearms ¹	W32-W34,X72-X74,X93-X95, Y22-Y24,Y35.0,*U01.4	E922,E955.0-E955.4,E965.0-E965.4, E970,E985.0-E985.4	23,355	23,418	0.9973	0.0006	0.1	0.9961	0.9985
Drug-induced deaths ¹	D52.1,D59.0,D61.1,D64.2, E06.4, E16.0,E23.1, E24.2, E27.3, E66.1, 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,G21.1,G24.0, G25.1, G25.4,G25.6,G44.4,G62.0,G72.0, I95.2, J70.2,J70.3,J70.4,L10.5,L27.1,M10.2, M32.0,M80.4,M81.4, M83.5, M87.1, R78.1,R78.3,R78.4,R78.5,X40-X44, X60-X64,X85,Y10-Y14	292,304,305.2-305.9,E850-E858, E950.0-E950.5,E962.0,E980.0-E980.5	1,158	969	1.1950	0.0225	1.9	1.1509	1.2391
Alcohol-induced deaths ¹	E24.4, F10,G31.2,G62.1, G72.1, I42.6, K29.2,K70,R78.0,X45,X65,Y15	291,303,305.0,357.5,425.5,535.3, 571.0-571.3,790.3,E860	14,783	15,269	0.9682	0.0025	0.3	0.9633	0.9731

*Figure does not meet standards of reliability or precision.
 ---Category not applicable
 0.0 Quantity more than zero but less than 0.05
¹ Included in selected categories. The list of codes included in drug-and-alcohol induced causes was expanded in the 2003 data year.
 Source National vital statistics reports vol 49 no 8 and vol 54 no 13.

APPENDIX A



TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA

TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA

Reservation/Tribe	County	Community name	
AK-CHIN INDIAN COMMUNITY	Pinal	Ak Chin	
		Maricopa	
COCOPAH TRIBE	Yuma	Cocopah Reservation	
COLORADO RIVER INDIAN TRIBES	La Paz	Parker	
		Parker Valley	
		Poston	
FORT McDOWELL YAVAPAI NATION	Maricopa	Fort McDowell	
FORT MOJAVE INDIAN TRIBE	Mohave	Fort Mojave Reservation	
FORT YUMA-QUECHAN TRIBE	Yuma	Fort Yuma Reservation	
GILA RIVER INDIAN COMMUNITY	Maricopa	Chandler Heights	
		Firebird Lake	
		Gila Crossing	
		Komatke	
		Lone Butte	
		Maricopa Village	
		St. Johns	
		Pinal	Bapchule
			Blackwater
			Casa Blanca
			Cockleburrr
			Goodyear
			Lower Santan
			Maricopa
	North Blackwater		
	Olberg		
	Progressive Colony		
	Sacate		
	Sacaton		
	Sacaton Flats		
	Santa Cruz		
	Snaketown		
	South Casa Blanca		
	South Goodyear		
	Stotonic		
	Sweetwater		
	Upper Santan		
	West Casa Blanca		
West Chandler			
Wetcamp			

TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA (continued)

Reservation/Tribe	County	Community name
HAVASUPAI NATION	Coconino	Supai
HOPI TRIBE	Coconino	Coal Mine Mesa
		Moenave
		Moenkopi
		Sand Springs
	Navajo	Bacobi
		Dennebito
		Five House
		Hano
		Hotevilla
		Keams Canyon
		Kykotsmovi
		Mishongnovi
		Old Oraibi
		Polacca
		Second Mesa
		Shipaulovi
		Shungopovi
		Sichomovi
		Toreva
		Wali Polacca
		Walpi
		Wepo Village
HUALAPAI NATION	Coconino	Fraziers Well
	Mohave	Hindu Canyon
		Peach Springs
		Valentine
KAIBAB-PAIUTE TRIBE	Mohave	Juniper Estates
		Kaibab
		Moccasin
		Redhills
		Six Mile
		Steam Boat
NAVAJO NATION	Apache	Allentown
		Black Mountain
		Blue Canyon
		Blue Gap
		Chinle
		Cornfields
		Cottonwood

TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA (continued)

Reservation/Tribe	County	Community name
NAVAJO NATION (continued)	Apache	Del Muerto
		Dinnehotso
		Fort Defiance
		Ganado
		Greasewood
		Houck
		Hunters Point
		Kin-li-chee
		Klagetoh
		Lukachukai
		Lupton
		Many Farms
		Mexican Water
		Navajo
		Navajo Station
		Nazlini
		Oak Springs
		Pine Springs
		Pinta Road
		Red Mesa
		Red Rock
		Rock Point
		Rough Rock
		Round Rock
		Salina Springs
		Sawmill
		St Michaels
		Steamboat
		Sunrise Springs
		Teec Nos Pos
		Toyai
		Tsaile
		Valley Store
	Wide Ruin	
	Window Rock	
	Coconino	Bitter Springs
		Big Mountain
		Cameron
		Canyon Diablo
		Cedar Ridge
		Copper Mine
		Cow Springs
	Gray Mountain	

TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA (continued)

Reservation/Tribe	County	Community name
NAVAJO NATION (continued)	Coconino	Inscription House
		Kaibito
		Lechee
		Leupp
		Marble Canyon
		Navajo Mountain
		Red Lake
		Shonto
		Sunrise
		The Gap
		Tolani Lake
		Tonalea (Red Lake)
		Tuba City
		White Mesa
	Willow Springs	
	Navajo	Bidahochi
		Black Mesa
		Blue Gap
		Castle Butte
		Cedar Springs
		Chilchinbito
		Dilkon
		Forest lake
		Greasewood Springs
		Hard Rock
		Indian Wells
		Jadito
		Kayenta
		Low Mountain
		Naahtee
		Pinon
		Rocky Ridge
		Seba Dalkai
		Shonto
		Smoke Signal
		Tees Toh
		Tsegi
		Twin Buttes
Whippoorwill		
White Cone		

TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA (continued)

Reservation/Tribe	County	Community name
PASCUA YAQUI TRIBE	Maricopa	Guadalupe
	Pima	South Tucson
		Tucson
	Pinal	Marana
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY		
	Maricopa	Salt River Reservation
SAN CARLOS APACHE TRIBE		
	Gila	Coolidge Dam
		Cutter
		Peridot
		San Carlos
	Graham	Seneca
		Bylas
		Calva
TOHONO O'ODHAM		
	Maricopa	Gila Bend/San Lucy Village
		Kaka
Pima		Totopitk
	Ak Chin	
	Ak Chut Vaya	
	Ak Komelik	
	Ali Ak Chin	
	Ali Molina	
	Anegam	
	Artesa	
	Big Field	
	Cababi	
	Charco 27	
	Chiuli Shaik	
	Chot Vaya	
	Choulic	
	Coldfield	
	Comobabi	
	Covered Wells	
Cowlic		
Coyote Field		
Fresnal Canyon		
Gu Chuapo		
Gu Oidak		
Gu Vo		

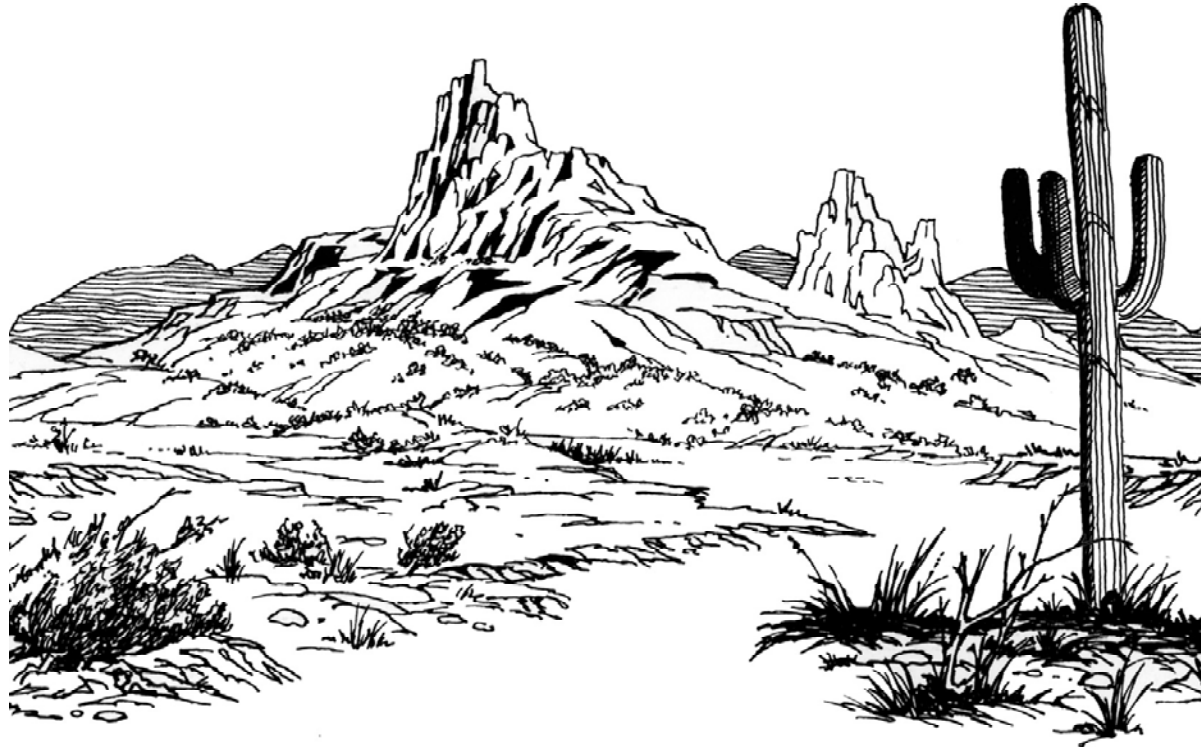
TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA (continued)

Reservation/Tribe	County	Community name
TOHONO O'ODHAM (continued)	Pima	Gunsight
		Haivana Nakya
		Hali Murk
		Hickiwan
		Hoi Oidak
		Iron Pipe
		Itak
		Kahachi Miliuk
		Kaihon Kug
		Kots Kug
		Kui Tatk
		Kupk
		Lincoln
		Little Tucson
		Makgum Havoka
		Narcho Santos
		Newfield
		Noipa Kam
		Nolic
		Palo Verde Stand
		Pan Tak
		Papago Farms
		Peach Pu
		Pia Oik
		Piato Vaya
		Pipyak
		Pisinemo
		Pitoikam
		Queens Well
		Quijotoa
		San Luis
San Miguel		
San Pedro		
San Xavier		
Santa Cruz		
Santa Rosa		
Santa Rosa Ranch		
Sells		
Sikul Himatk		
Sil Nakya		

TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA (continued)

Reservation/Tribe	County	Community name
TOHONO O'ODHAM (continued)	Pima	South Komelik
		Sweetwater
		Topawa
		Tracy
		Vainom Kug
		Vamori
		Vaya Chin
		Ventana
		Vopolo Havoka
	Pinal	Chuichu
		Cockleburr
		Jackrabbit
		Kohatk
		North Komelik
		Hawley Lake
WHITE MOUNTAIN APACHE TRIBE		
	Apache	Maverick
		McNary
	Gila	Amos Wash
		Canyon Day
		Carrizo
		Cedar Creek
		Warrior Canyon
		Chino Springs
	Navajo	Castle Butte
		Cibecue
		Deer Springs
		Diamond Creek
		Fort Apache
		Grasshopper
		Hondah
		Indian Pine
		North Fork
		Rainbow City
		Seven Mile
Whiteriver		
YAVAPAI-APACHE NATION		
	Yavapai	Camp Verde Reservation
		Middle Verde
YAVAPAI-PRESCOTT INDIAN TRIBE		
	Yavapai	Prescott

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, and Marital Status and Health*.



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