

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



**2009
Data Book**

Health Status and Vital Statistics Section
Bureau of Public Health Statistics
Arizona Department of Services

~ Leadership for a Healthy Arizona ~



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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA: 2009 DATA BOOK

by

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TABLE OF CONTENTS

Introduction.....	1
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 2009	3
2009 Risk Profile of American Indians	7
American Indians’ Standing in Arizona in 2009 on 70 Indicators of Health Status	8
II COMPARISON OF AMERICAN INDIANS’ STANDING IN ARIZONA WITH RESPECT TO SELECTED HEALTH OBJECTIVES FOR THE YEAR 2010.	13
2.1 Early Prenatal Care	15
2.2 Infant Mortality	16
2.3 Postneonatal Mortality.....	17
2.4 Unintentional Injury Deaths	18
2.5 Motor Vehicle Crash Deaths	19
2.6 Intentional Self-Harm (Suicide).....	20
2.7 Assault (Homicide)	21
2.8 Diabetes-related Deaths.....	22
2.9 Cirrhosis Deaths.....	23
2.10 Cervical Cancer Deaths	24
III. TRENDS IN SELECTED HEALTH PROBLEMS AND HEALTH RISKS AMONG AMERICAN INDIANS AND ALL RESIDENTS OF ARIZONA, 1999-2009	25
3.1 Median Age At Death From All Causes, 1999-2009	27
3.2 Births to Unmarried Mothers, 1999-2009.....	28
3.3 The Incidence of Gonorrhea, 1999-2009.....	29
3.4 The Incidence of Low-Birthweight Births, 1999-2009	30
3.5 The Incidence of Fetal Alcohol Syndrome, 1999-2009	31
3.6 Births to Teenage Mothers, 1999-2009	32
3.7 The Incidence of Birth Defects (Congenital Anomalies), 1999-2009.....	33
3.8 The Incidence of Pregnancy Associated Hypertension, 1999-2009.....	34
3.9 The Incidence of Anemia During Pregnancy, 1999-2009	35
3.10 The Incidence of Diabetes During Pregnancy, 1999-2009	36

IV. CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND MOTHERS GIVING BIRTH BY PLACE OF RESIDENCE IN ARIZONA IN 2009 37

SOCIODEMOGRAPHIC CHARACTERISTICS

4.1 Maternal Age 41
 4.2 Educational Attainment of Mother 42
 4.3 Marital Status of Mother 43
 4.4 Race/Ethnicity of Father 44
 4.5 Age of Father 45
 4.6 Source of Payment for Labor and Delivery 46

MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

4.7 Maternal Weight Gain during Pregnancy 49
 4.8 Medical Risk Factors of Pregnancy 50
 4.9 Substance Use during Pregnancy 51

UTILIZATION OF MEDICAL SERVICES

4.10 Trimester of Pregnancy Prenatal Care Began 55
 4.11 Number of Prenatal Visits 56
 4.12 Obstetric Procedures 57
 4.13 Complications of Labor and Delivery 58
 4.14 Method of Delivery 59
 4.15 Attendant at Birth 60

NEWBORN’S HEALTH

4.16 Gestational Age 63
 4.17 Weight at Birth 64
 4.18 Abnormal Conditions of the Newborn 65
 4.19 Congenital Anomalies (Birth Defects) 66
 4.20 Causes of Infant Death among American Indian Residents, Arizona, 2009 67
 4.21 Comparison of Selected Characteristics of American Indian Newborns and Women Giving Birth
 By County of Residence, Arizona, 2009 68

V.	PATTERNS OF MORTALITY AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE IN ARIZONA IN 2009	73
	AGE-SPECIFIC MORTALITY	
5.1	Age-Specific Mortality among American Indians in 2009	77
5.2	Age-Specific Mortality among American Indian Males in 2009	78
5.3	Age-Specific Mortality among American Indian Females in 2009	79
	CAUSE-SPECIFIC MORTALITY	
5.4	Deaths by Gender for Selected 113 Causes among American Indians in 2009	83
5.5	Deaths by Age Group for Selected 113 Causes among American Indians in 2009	87
5.6	Deaths by Residence for Selected 113 Causes among American Indians in 2009	91
5.7	Deaths by County of Residence for Selected 113 Causes among American Indians in 2009	95
5.8	Deaths from Motor Vehicle-Related Injuries among American Indians by Place of Residence, Gender and Age Group, Arizona, 2009	99
5.9	Intentional Self-Harm (Suicide) among American Indians by Place of Residence, Gender and Age Group, Arizona, 2009	100
5.10	Assault (Homicide) among American Indians by Place of Residence, Gender and Age Group, Arizona, 2009	101
5.11	Diabetes-Related Deaths among American Indians by Place of Residence, Gender and Age Group, Arizona, 2009	102
5.12	Alcohol-Induced Deaths among American Indians by Place of Residence, Gender and Age Group, Arizona, 2009	103
	COMPARATIVE CAUSE-SPECIFIC MORTALITY	
5.13	Temporal Changes in the Selected Leading Causes of Death among American Indian Residents Of Arizona, 1990-2009	107
5.14	Five Leading Causes of Death by Gender among American Indian Residents of Arizona in 2009	108
5.15	Five Leading Causes of Death among American Indians by Gender and Residence On or Off Reservation, Arizona, 2009	109
5.16	Proportional Mortality by Type of Cancer and Gender among American Indians and All Residents of Arizona, 1999-2009	110
5.17	Proportional Mortality by Mechanism of Unintentional Injury and Gender among American Indians and All Residents of Arizona, 1999-2009	111
5.18	Comparison of Mortality by Specific Type of Cancer by Gender among American Indians and All residents of Arizona, 1999-2009	112
5.19	Unintentional Injury Deaths by mechanism and Gender among American Indians and All Residents of Arizona, 1999-2009	113
	TECHNICAL NOTES	
	Sources of Data	117
	Definitions	117
	Rates	117
	Terms Related to Reproductive Health	117
	Medical Terms Used on the Birth Certificate	117
	Medical risk factors for pregnancy	117
	Complications of labor and delivery	118
	Abnormal conditions of the newborn	118
	Congenital anomalies of child	118
	Terms Related to Mortality	119
	Cause-of-Death Categories and Comparability Ratios for Selected 113 Causes of Death	120
	Appendix A. Tribal Communities of American Indians in Arizona	125

INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 2009 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 2009.

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 2009 *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 2009 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 1999-2009 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 2009. 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 1999 are classified by the Ninth Revision of the International Classification of Diseases (ICD-9). The causes of death for 2000-2009 are classified by the Tenth Revision (ICD-10).

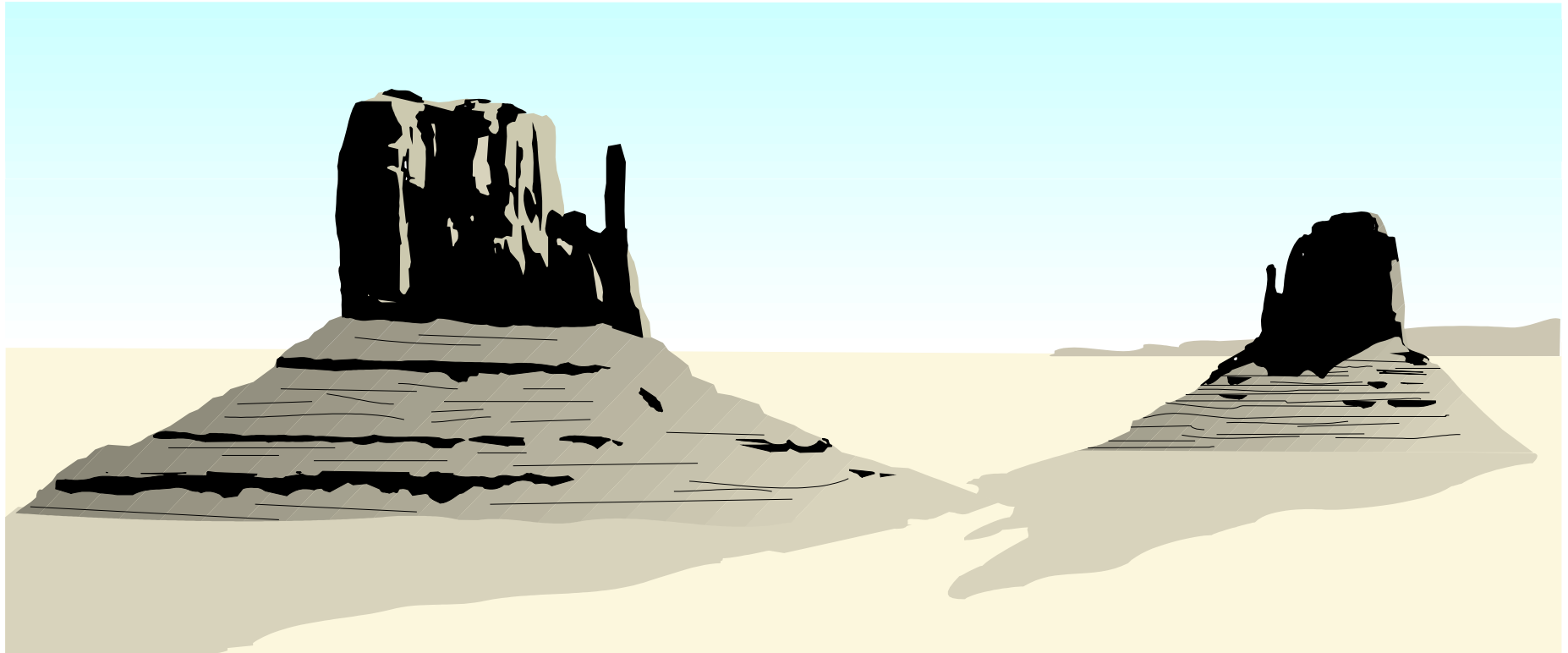
Beginning with the first edition of this report published in 1996, specific Indian reservations have been identified by tribal communities comprising them. However, this approach does not work very well for the tribes residing within the limits of an incorporated city (such as Yavapai Prescott Indian 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 2009. 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 2009 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.

The online versions of the report for 1995–2009 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 2009

The risk profile presented on the following page summarizes how American Indians as a group compared in 2009 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.

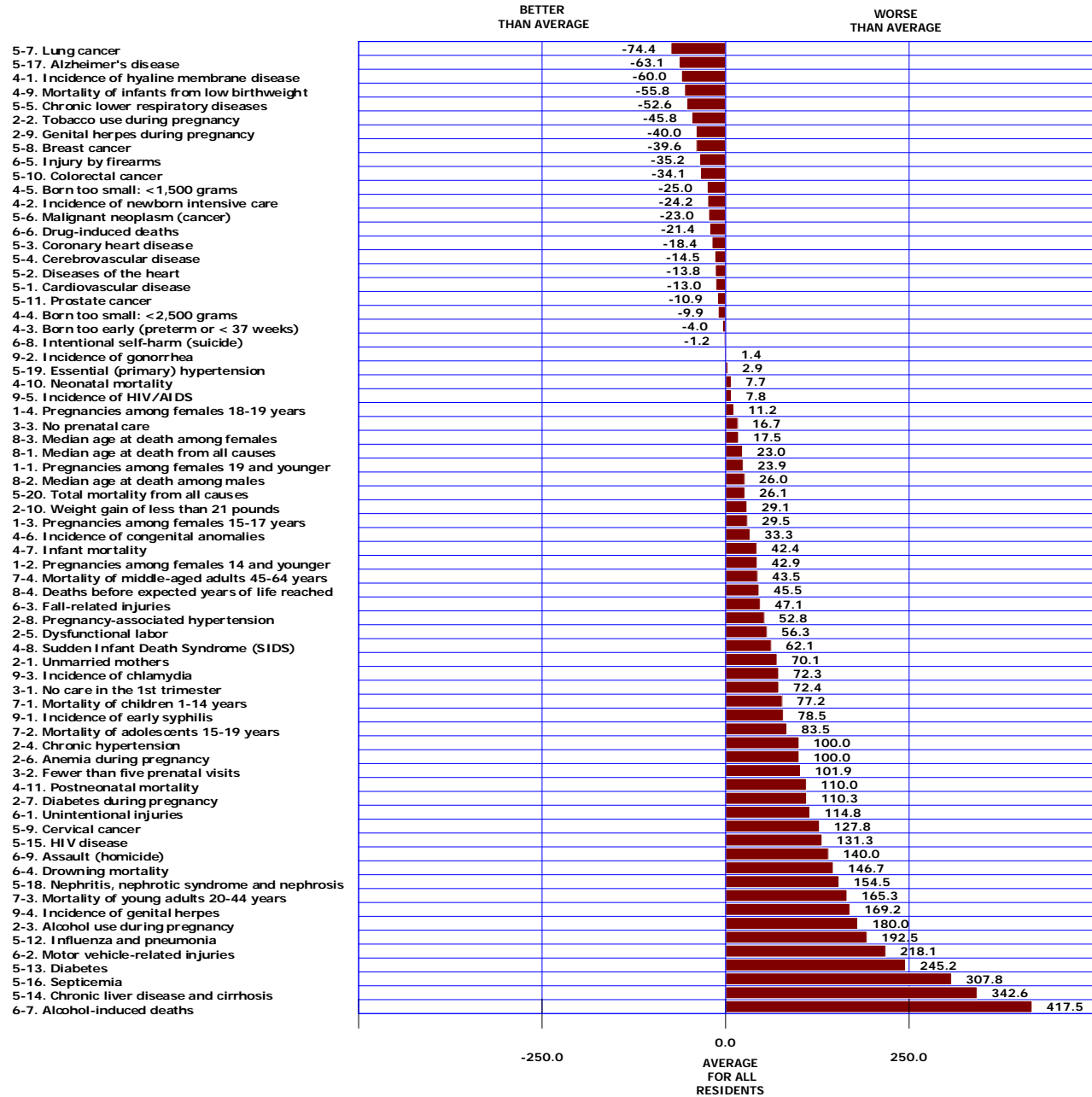
IN 2009, AMERICAN INDIAN RESIDENTS OF ARIZONA:

- 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 19.5 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 76.4 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 58.9 percent decline in the age-adjusted mortality rate for motor vehicle-related injuries from a recent peak of 62.6 deaths per100,000 American Indian population in 2005 to 36.9/100,000 in 2009.

* 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.

2009 RISK PROFILE OF AMERICAN INDIANS

(Percent above or below the average rate or ratio of all Arizona residents in 2009)



AMERICAN INDIANS' STANDING IN ARIZONA IN 2009 ON 70 INDICATORS OF HEALTH STATUS

1. TEEN PREGNANCIES

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

Figure number	Indicator	2009 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2009	Definitions
1-1	Pregnancies among females 19 and younger	34.7	23.9	28.0	The sum of live births, fetal deaths, and abortions per 1,000 females aged 19 or younger
1-2	Pregnancies among females 14 and younger	1.0	42.9	0.7	The sum of live births, fetal deaths, and abortions per 1,000 females aged 14 or younger
1-3	Pregnancies among females 15-17 years old	36.9	29.5	28.5	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	114.0	11.2	102.5	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	2009 ratio for American Indians	Percent above or below the average ratio for all groups	Average ratio for all groups in 2009	Definitions
2-1	Unmarried mothers	76.9	70.1	45.2	The number of births to unmarried mothers per 100 births
2-2	Tobacco use during pregnancy	2.6	-45.8	4.8	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births
2-3	Alcohol use during pregnancy	1.4	180.0	0.5	The number of mothers giving birth who self-reported alcohol use during pregnancy per 100 births
2-4	Chronic hypertension	1.6	100.0	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	2.5	56.3	1.6	Failure to progress in a normal pattern of labor (the number of cases per 100 births).
2-6	Anemia during pregnancy	7.2	100.0	3.6	Hemoglobin level of less than 10.0 g/dL during pregnancy, or hematocrit of less than 30 percent during pregnancy (the number of cases per 100 births).
2-7	Diabetes during pregnancy	8.2	110.3	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	5.5	52.8	3.6	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	0.6	-40.0	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	34.6	29.1	26.8	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	2009 ratio for American Indians	Percent above or below the average ratio for all groups	Average ratio for all groups in 2009	Definition
3-1	No care in the 1 st trimester	33.8	72.4	19.6	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	10.7	101.9	5.3	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	2.1	16.7	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	2009 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 2009	Definition
4-1	Incidence of hyaline membrane disease	0.2	-60.0	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	4.7	-24.2	6.2	The number of babies admitted to Newborn Intensive Care units per 100 births
4-3	Born too early (preterm or < 37 weeks)	9.6	-4.0	10.0	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)	6.4	-9.9	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)	0.9	-25.0	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)	0.8	33.3	0.6	The numbers of babies born with birth defects per 100 births.
4-7	Infant mortality	8.4	42.4	5.9	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)	0.8	62.1	0.5	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	0.5	-55.8	1.1	The number of infant deaths from low- birthweight/short gestation (ICD-10 code P07) per 1,000 live births
4-10	Neonatal mortality	4.2	7.7	3.9	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	4.2	110.0	2.0	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	2009 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2009	Definition
5-1	Cardiovascular disease	164.2	-13.0	188.8	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	125.8	-13.8	145.9	The number of deaths from disease of the heart (ICD-10 codes I00-I09, I11, I13, I20-I51) per 100,000 age-adjusted population.
5-3	Coronary heart disease	94.6	-18.4	115.9	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	24.7	-14.5	28.9	The number of deaths from cerebrovascular disease (ICD-10 codes I60-I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	19.2	-52.6	40.5	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)	113.3	-23.0	147.2	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	10.0	-74.4	39.0	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	11.6	-39.6	19.2	The number of deaths from breast cancer (ICD-10 code C50) per 100,000 age-adjusted female population.
5-9	Cervical cancer	4.1	127.8	1.8	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	8.5	-34.1	12.9	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	16.4	-10.9	18.4	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	42.7	192.5	14.6	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	54.2	245.2	15.7	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	54.0	342.6	12.2	The number of deaths from chronic liver disease and cirrhosis (ICD-10 codes K70, K73-K74) per 100,000 age-adjusted population.
5-15	HIV disease	3.7	131.3	1.6	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	31.4	307.8	7.7	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	10.9	-63.1	29.5	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)	19.6	154.5	7.7	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	7.0	2.9	6.8	The number of deaths from essential (primary) hypertension (ICD-10 codes I10, I12) per 100,000 age-adjusted population.
5-20	Total mortality from all causes	823.5	26.1	653.2	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	2009 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2009	Definition
6-1	Unintentional injuries	92.6	114.8	43.1	The number of deaths from unintentional injuries in accidents (ICD-10 codes V01–X59, Y85–Y86) per 100,000 age-adjusted population.
6-2	Motor vehicle-related injuries	36.9	218.1	92.6	The number of deaths from motor vehicle-related injuries (ICD-10 codes V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2) per 100,000 age-adjusted population.
6-3	Fall-related injuries	15.3	47.1	36.9	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	3.7	146.7	15.3	The number of deaths due to accidental drowning and submersion (ICD-10 codes W65–W74) per 100,000 age-adjusted population.
6-5	Injury by firearms	8.3	-35.2	3.7	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, a 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	8.3	-21.4	12.8	The number of drug-induced deaths (ICD-10 codes F11.0–F11.5, F11.7–F11.9, F12.0–F12.5, F12.7–F12.9, F13.0–F13.5, F13.7–F13.9, F14.0–F14.5, F14.7–F14.9, F15.0–F15.5, F15.7–F15.9, F16.0–F16.5, F16.7–F16.9, F17.0, F17.3–F17.5, F17.7–F17.9, F18.0–F18.5, F18.7–F18.9, F19.0–F19.5, F19.7–F19.9, X40–X44, X60–X64, X85, Y10–Y14) per 100,000 age-adjusted population. Causes of death attributable to drug-induced mortality include selected codes from the ICD-10 title Mental and behavioral disorders due to psychoactive substance use, accidental poisoning by and exposure to drugs, medicaments and biological substances; intentional self-poisoning (suicide) by and exposure to drugs; assault (homicide) by drugs, medicaments and biological substances; and poisoning by and exposure to drugs, medicaments and biological substances, undetermined intent. Drug-induced causes exclude accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths associated with mother's drug use.
6-7	Alcohol-induced deaths	62.1	417.5	12.0	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)	15.9	-1.2	16.1	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)	13.2	140.0	5.5	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	2009 rate for American Indians	Percent above or below the average rate for all groups	Average value for all groups in 2009	Definition
7-1	Mortality of children 1-14 years old	35.8	77.2	20.2	The number of deaths per 100,000 children 1-14 years old in 2009
7-2	Mortality of adolescents 15-19 years old	102.6	83.5	55.9	The number of deaths per 100,000 adolescents 15-19 years old in 2009
7-3	Mortality of young adults 20-44 years old	332.1	165.3	125.2	The number of deaths per 100,000 young adults 20-44 years old in 2009
7-4	Mortality of middle-aged adults 45-64 years old	846.9	43.5	590.0	The number of deaths per 100,000 middle-aged adults 45-64 years old in 2009

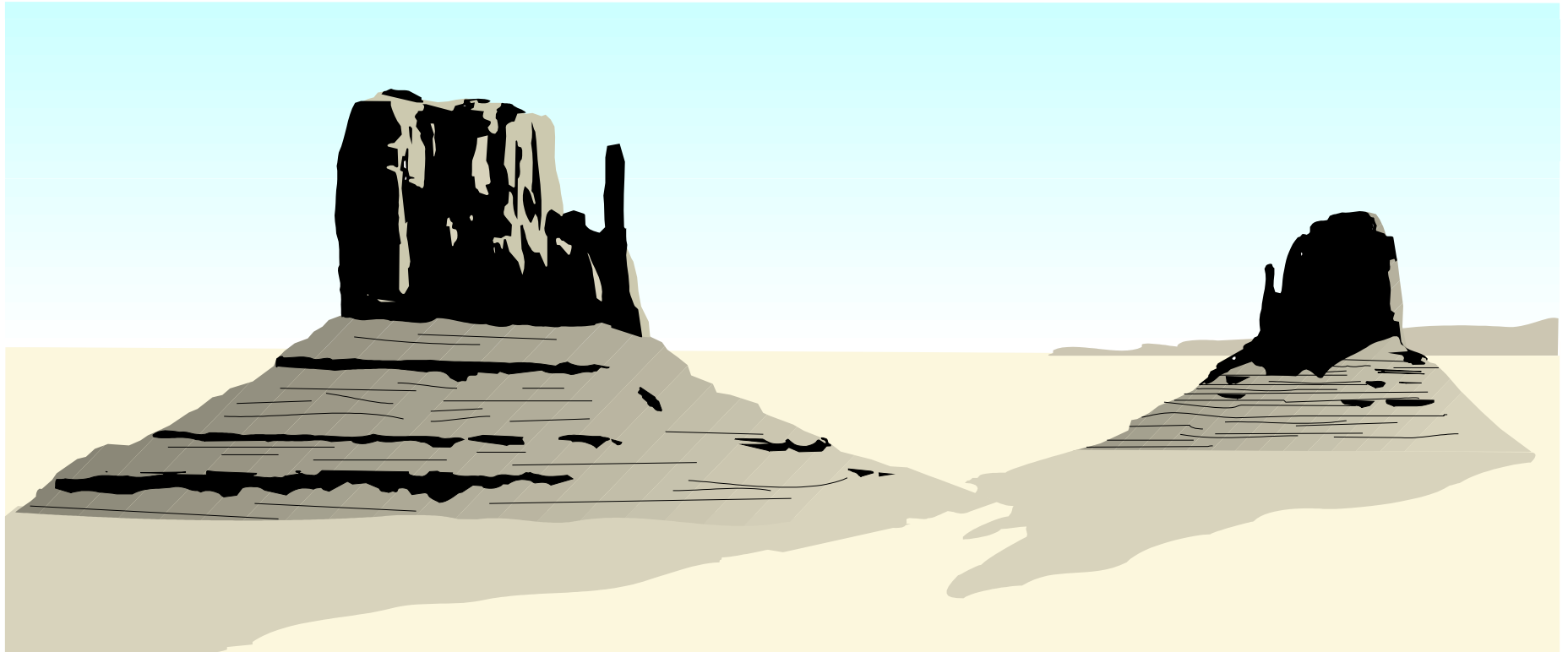
8. PREMATURE MORTALITY

Figure number	Indicators	2009 value for American Indians	Percent above or below the average value for all groups	Average value for all groups in 2009	Definitions
8-1	Median age at death from all causes	58.5	23.0	76.0	The median age (the age in the middle) of Arizonans who died in 2009
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 2009
8-3	Median age at death from all causes among females	66.0	17.5	80.0	The median age (the age in the middle) of Arizona females who died in 2009
8-4	Percent of total deaths before expected years of life reached	76.4	45.5	52.5	The number of deaths before reaching 77.7 years (the life expectancy of all U.S. residents in 2006) per 100 deaths

9. REPORTABLE DISEASES

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

Figure number	Indicators	2009 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2009	Definitions
9-1	Incidence of early syphilis	11.6	78.5	6.5	Number of reported cases of early syphilis per 100,000 population
9-2	Incidence of gonorrhea	50.0	1.4	49.3	Number of reported cases of gonorrhea per 100,000 population
9-3	Incidence of chlamydia	679.3	72.3	394.2	Number of reported cases of chlamydia per 100,000 population
9-4	Incidence of genital herpes	31.5	169.2	11.7	Number of reported cases of genital herpes per 100,000 population
9-5	Incidence of HIV/AIDS	11.0	7.8	10.2	Number of reported cases of HIV/AIDS per 100,000 population

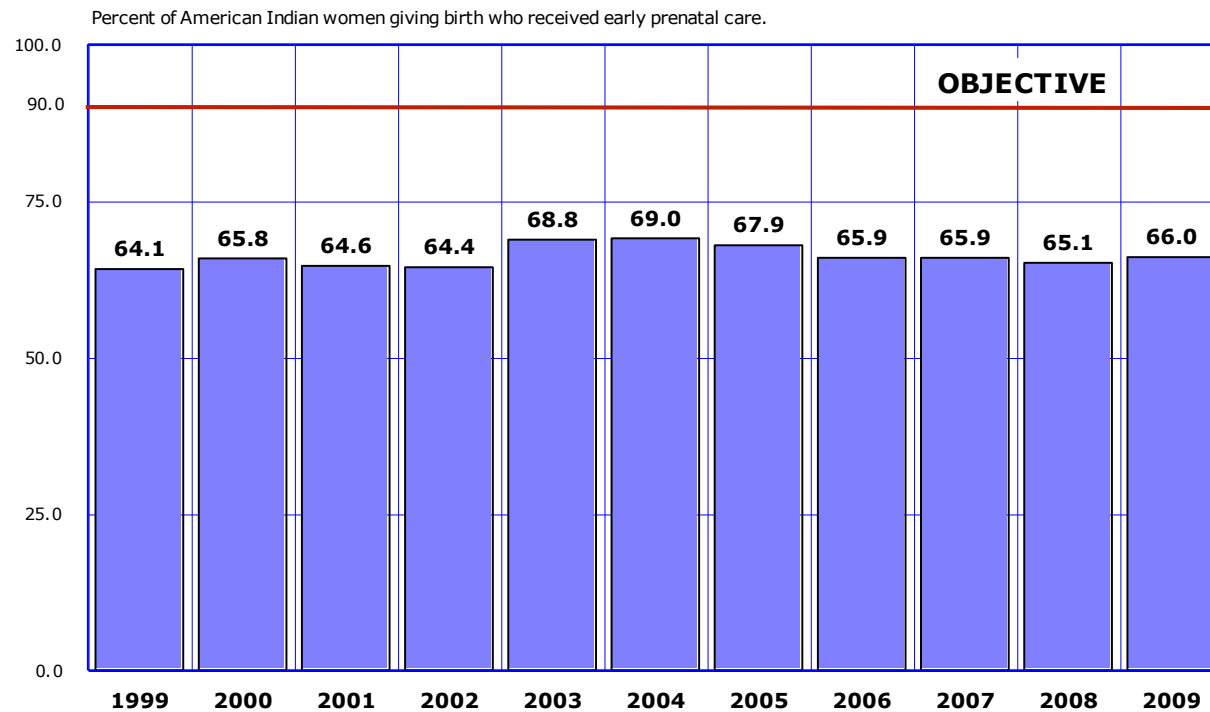


II.

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

2.1 Early Prenatal Care

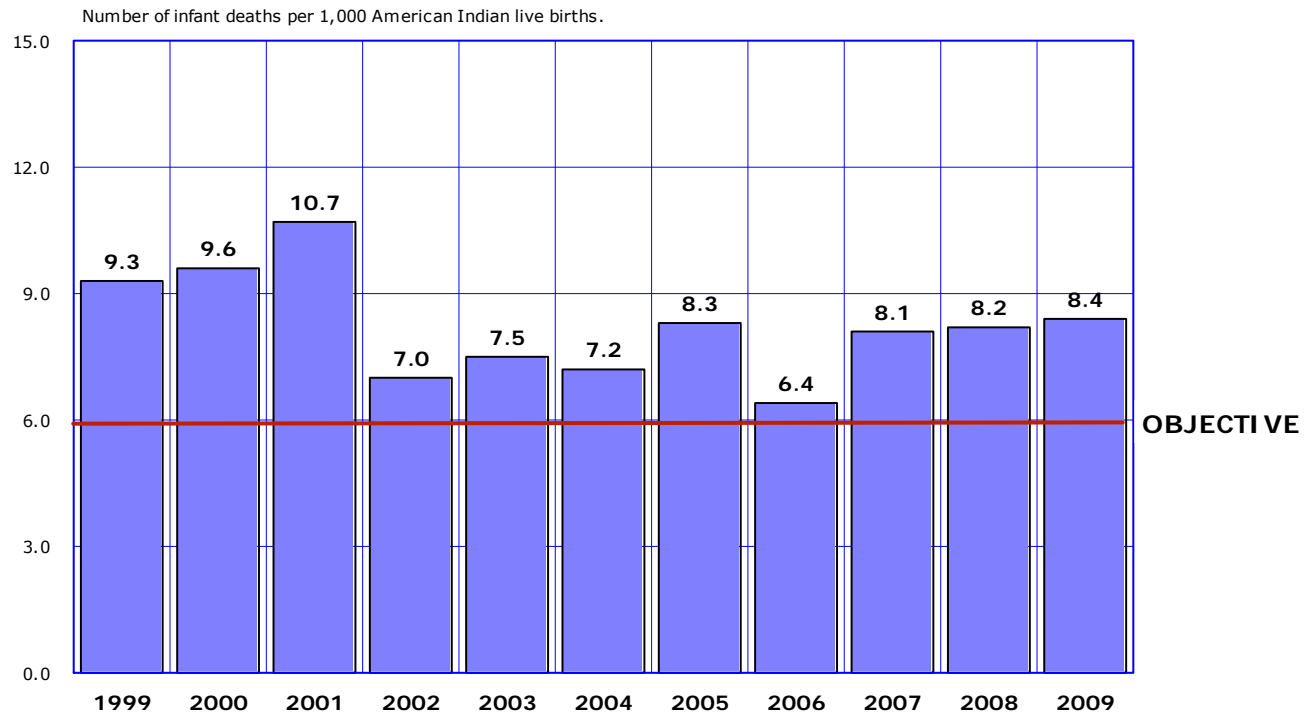
NATIONAL YEAR 2010 OBJECTIVE (HP16-10a*): INCREASE TO 90 PERCENT THE PROPORTION OF WOMEN GIVING BIRTH WHO RECEIVE PRENATAL CARE IN THE FIRST TRIMESTER OF PREGNANCY



Source: Table 1B-2 and Table 1B-12 in *Arizona Health Status and Vital Statistics 2009*.

2.2 Infant Mortality

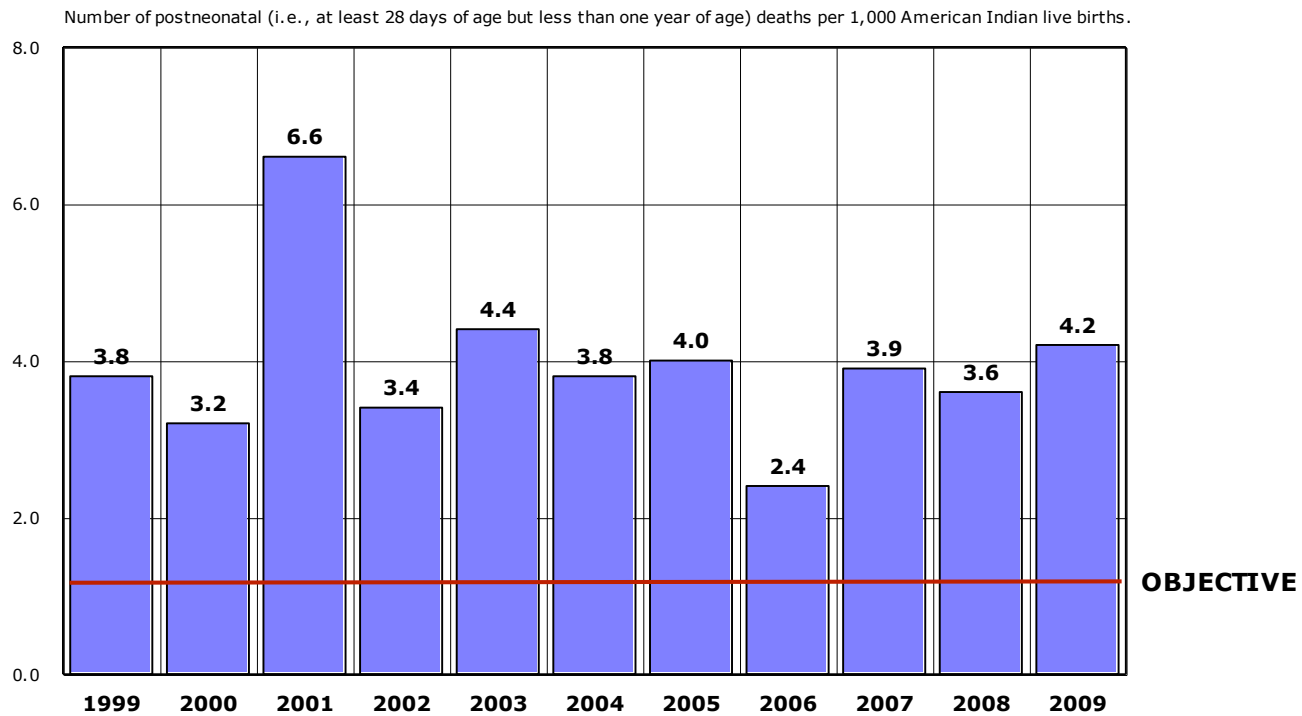
**NATIONAL YEAR 2010 OBJECTIVE (HP16-1c): REDUCE THE RATE OF INFANT DEATHS TO
NO MORE THAN 6 PER 1,000 LIVE BIRTHS**



Source: Table 2C-2 in *Arizona Health Status and Vital Statistics 2009*.
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

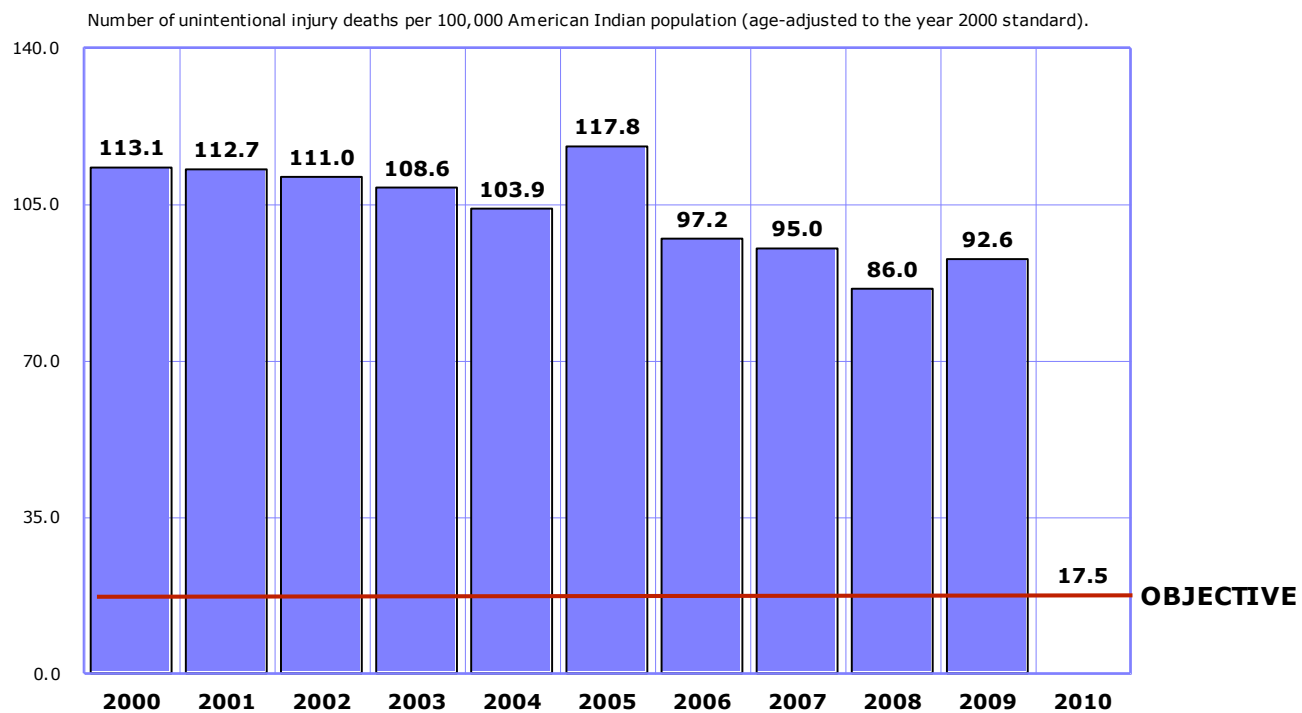
NATIONAL YEAR 2010 OBJECTIVE (HP16-1e): REDUCE POSTNEONATAL MORTALITY TO NO MORE THAN 1.2 PER 1,000 LIVE BIRTHS



Source: Table 2C-3 or Table 2C-4 in *Arizona Health Status and Vital Statistics 2009*.
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

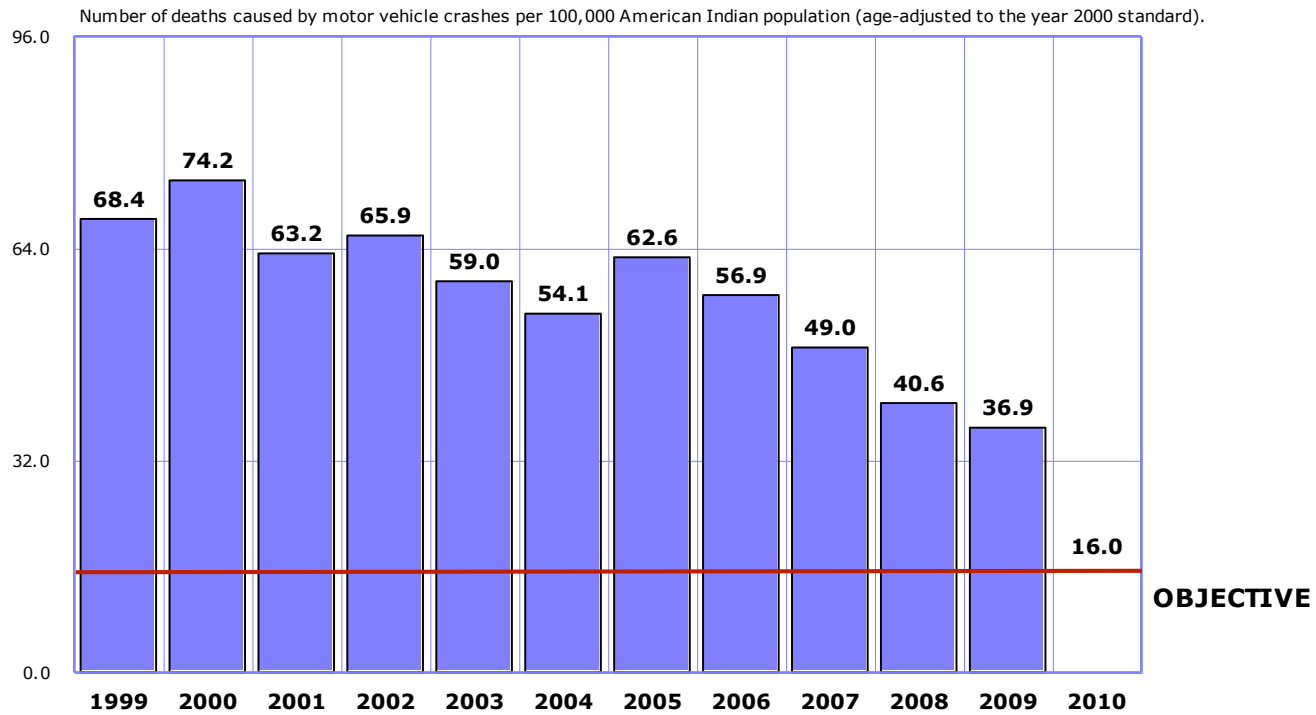
NATIONAL YEAR 2010 OBJECTIVE (HP15-13): REDUCE DEATHS CAUSED BY UNINTENTIONAL INJURIES TO NO MORE THAN 17.5 PER 100,000 AGE-ADJUSTED POPULATION



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2009*.

2.5 Motor Vehicle Crash Deaths

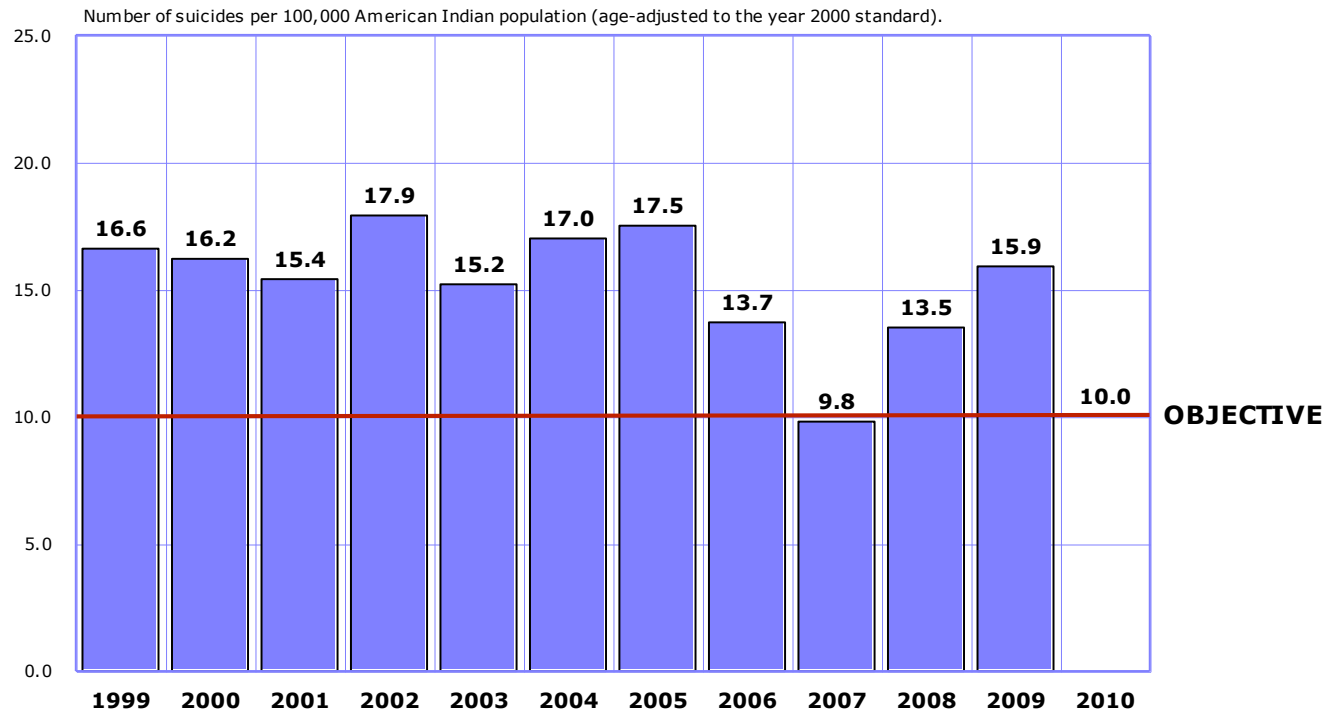
NATIONAL YEAR 2010 OBJECTIVE (HP15-15): REDUCE DEATHS CAUSED BY MOTOR VEHICLE CRASHES TO NO MORE THAN 16 PER 100,000 AGE-ADJUSTED POPULATION



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2009*.

2.6 Intentional Self-Harm (Suicide)

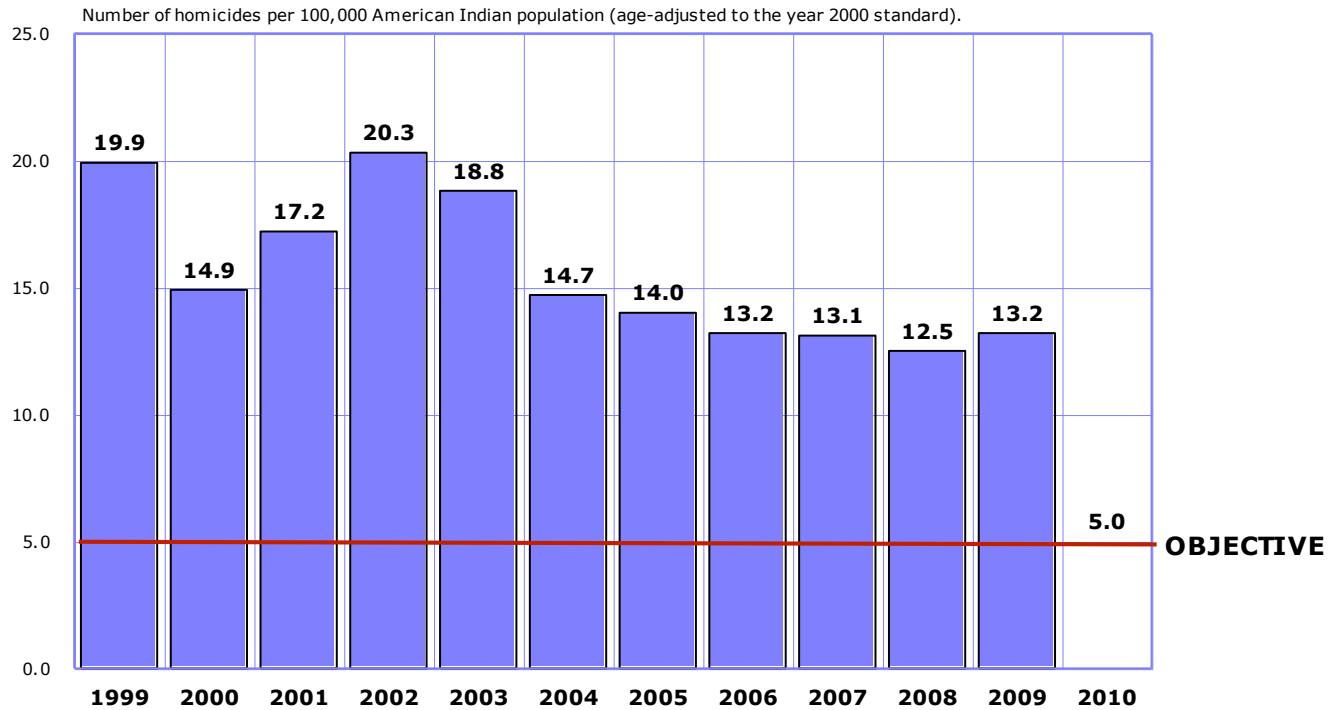
**NATIONAL YEAR 2010 OBJECTIVE (HP18-1): REDUCE THE SUICIDE RATE TO
NO MORE THAN 10 PER 100,000 AGE-ADJUSTED POPULATION**



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2009*.

2.7 Assault (Homicide)

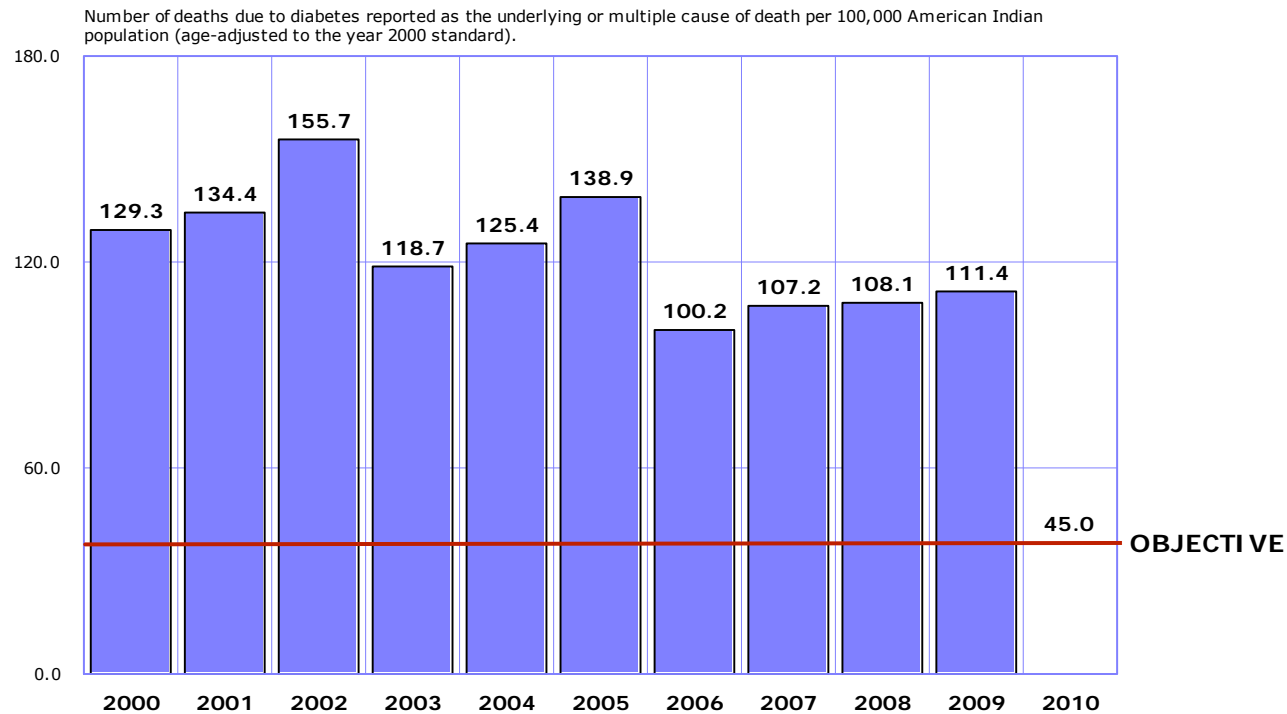
**NATIONAL YEAR 2010 OBJECTIVE (HP15-32): REDUCE THE HOMICIDE RATE TO
NO MORE THAN 5 PER 100,000 AGE-ADJUSTED POPULATION**



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2009*.

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**

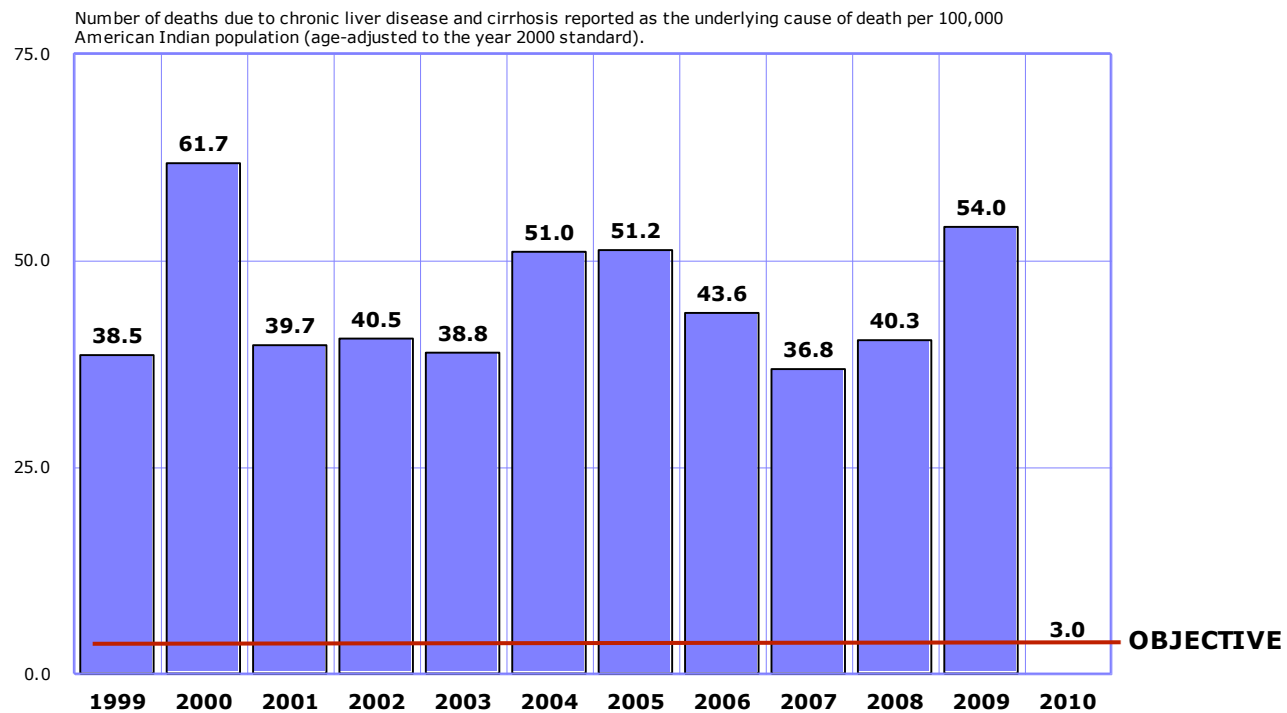


Source: Table 2B-4 in *Arizona Health Status and Vital Statistics 2009*. The age-adjusted rate for diabetes as the underlying cause of death among American Indians was 54.2/100,000 in 2009.

Note: The rate of 111.4/100,000 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

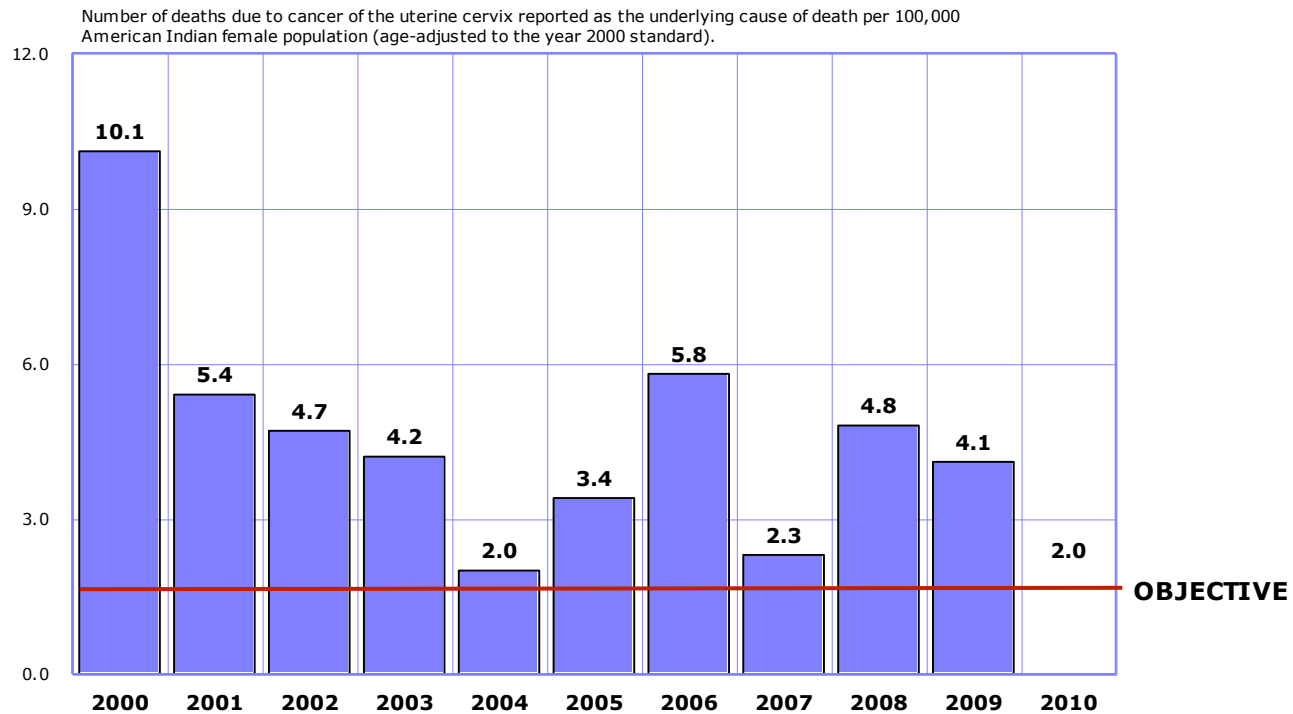
**NATIONAL YEAR 2010 OBJECTIVE (HP26-2): REDUCE THE CIRRHOSIS* DEATH RATE TO
NO MORE THAN 3 PER 100,000 AGE-ADJUSTED POPULATION**



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2009*.
*Chronic liver disease and cirrhosis (ICD-10 codes K70, K73-K74).

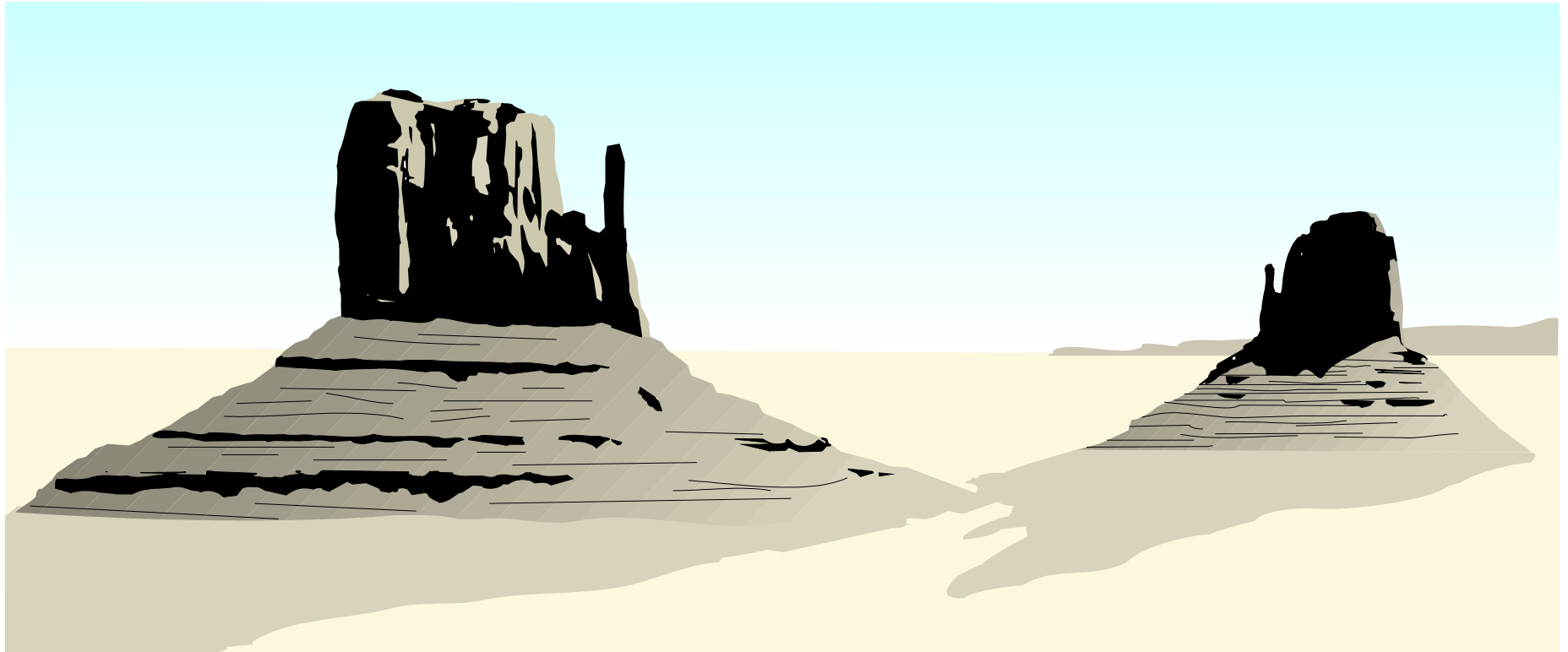
2.10 Cervical Cancer Deaths

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



Source: Table 2B-4 in *Arizona Health Status and Vital Statistics 2009*.

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

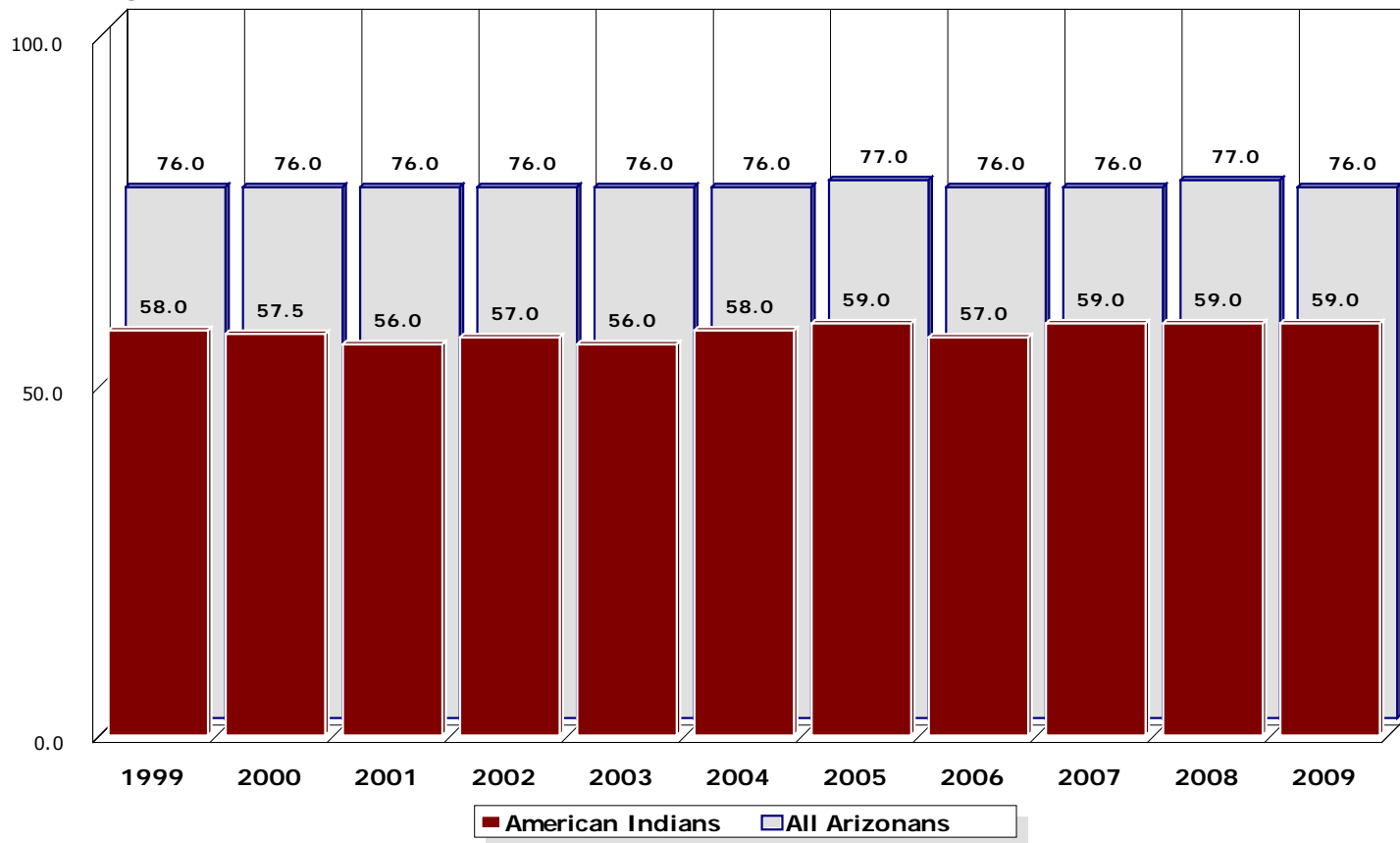


III.

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

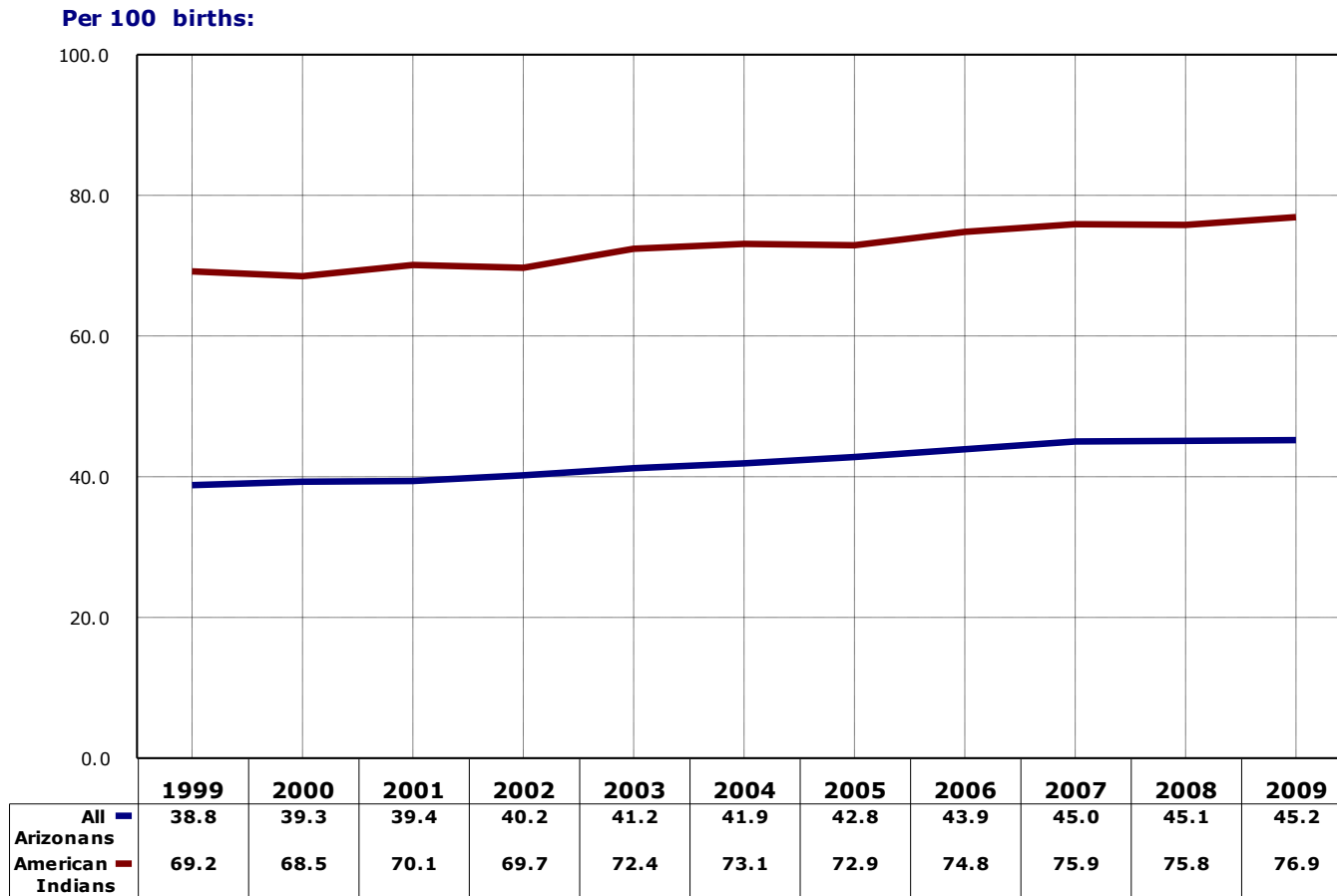
3.1
Median Age at Death from all Causes,
1999-2009

Median age at death:



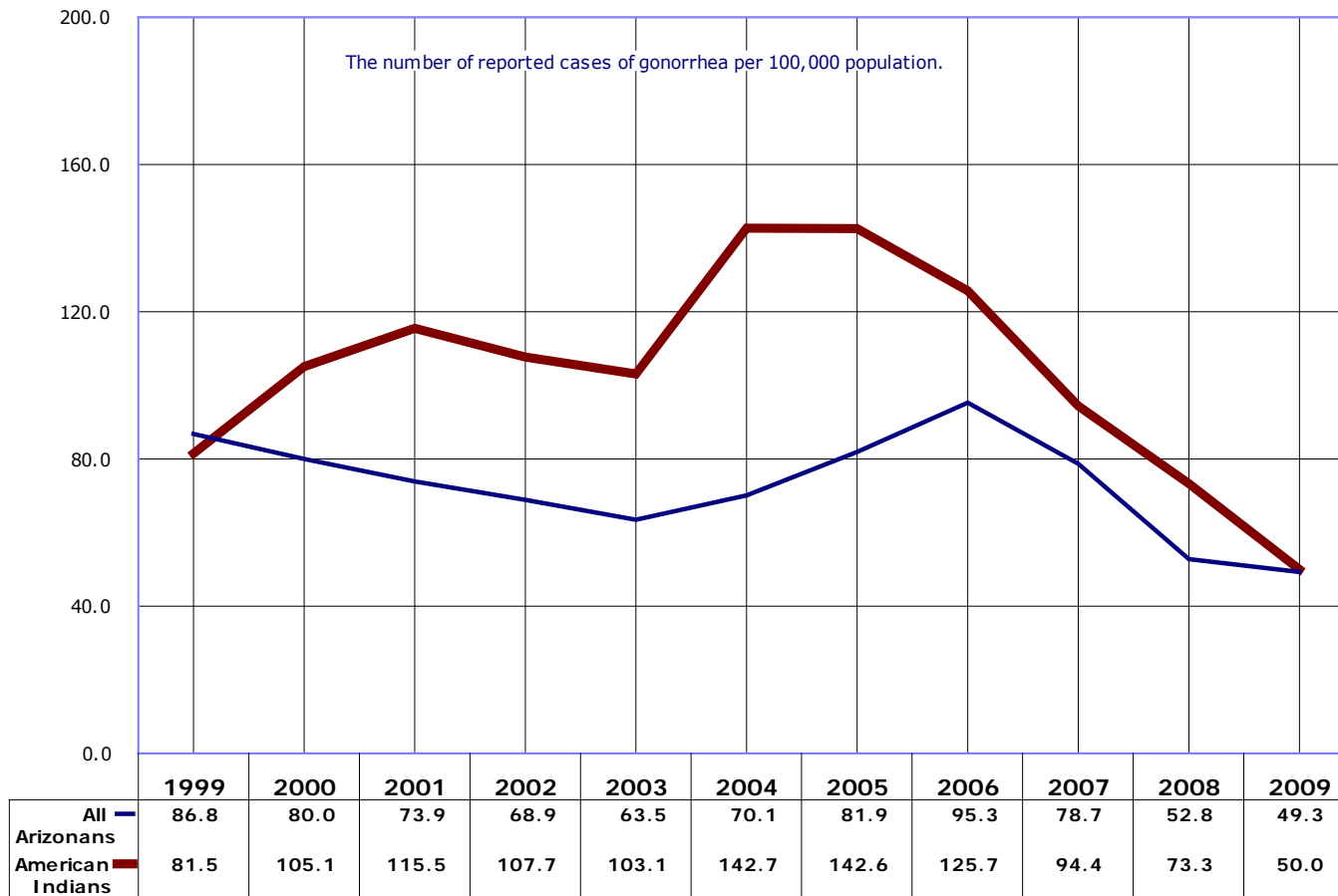
Source: Table 2D-1 in *Arizona Health Status and Vital Statistics 2009*.

3.2 Births to Unmarried Mothers, 1999-2009



Source: Table 1B-2 and Table 1B-13 in *Arizona Health Status and Vital Statistics 2009*.

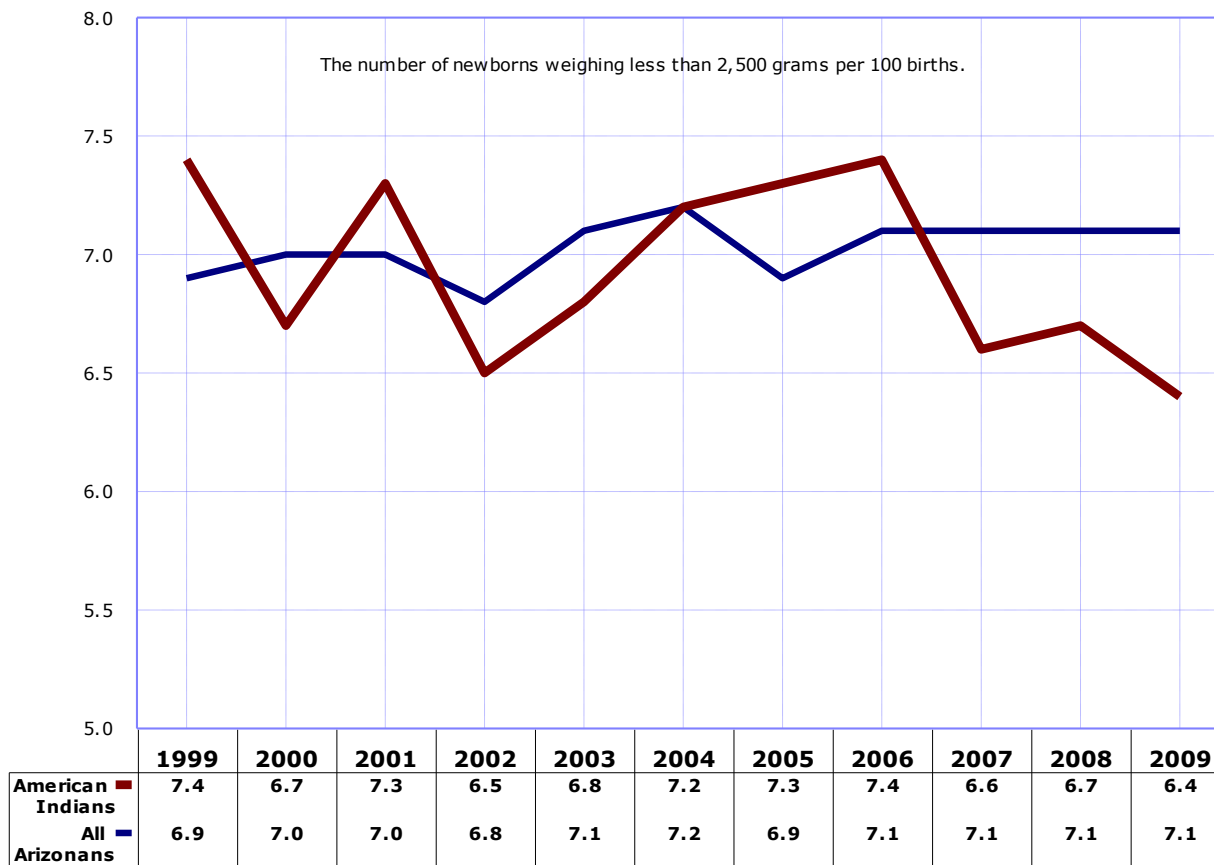
3.3 The Incidence of Gonorrhea, 1999-2009



Source: Table 3B-5 in *Arizona Health Status and Vital Statistics 2009*.
 The rates were provided by the STD Program in the Bureau of Epidemiology and Disease Control, ADHS.
 Beginning in 2005, the rates are based on all positive laboratory results with or without communicable disease report.

3.4 The Incidence of Low-Birthweight Births, 1999-2009

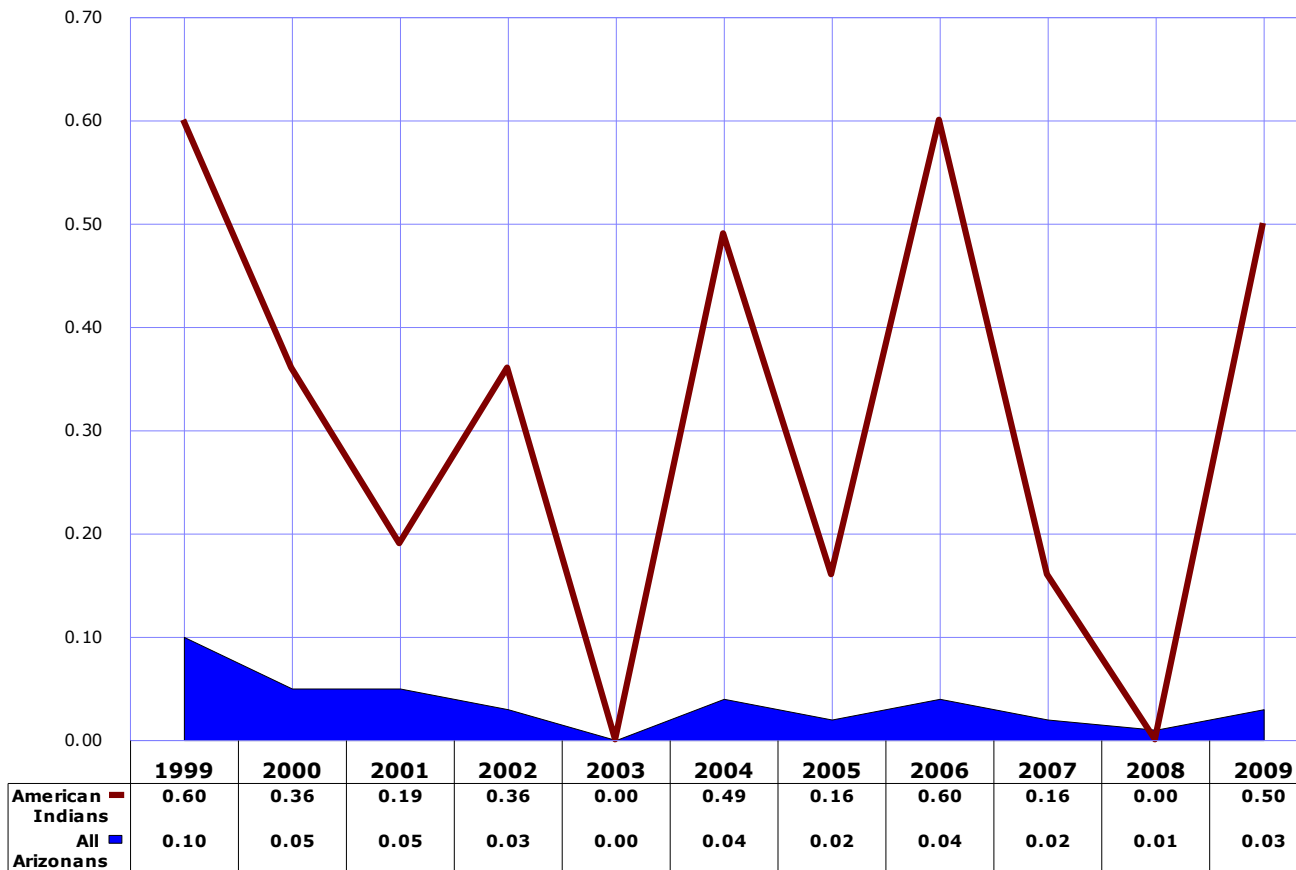
Per 100 births:



Source: Table 1B-2 and Table 1B-12 in *Arizona Health Status and Vital Statistics 2009*.

3.5 The Incidence of Fetal Alcohol Syndrome, 1999-2009

Per 1,000 live births:

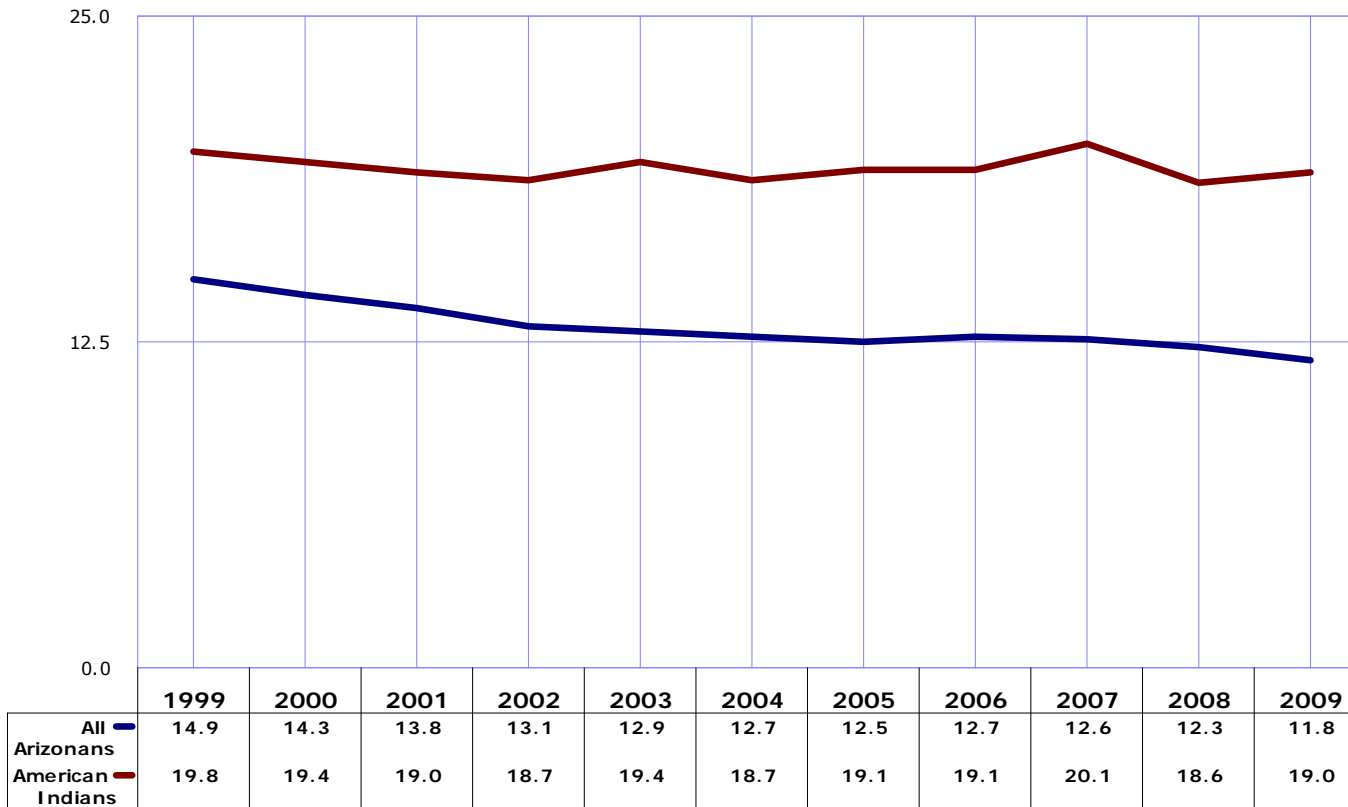


Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2009*.

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,*
1999-2009

Per 100 live births:

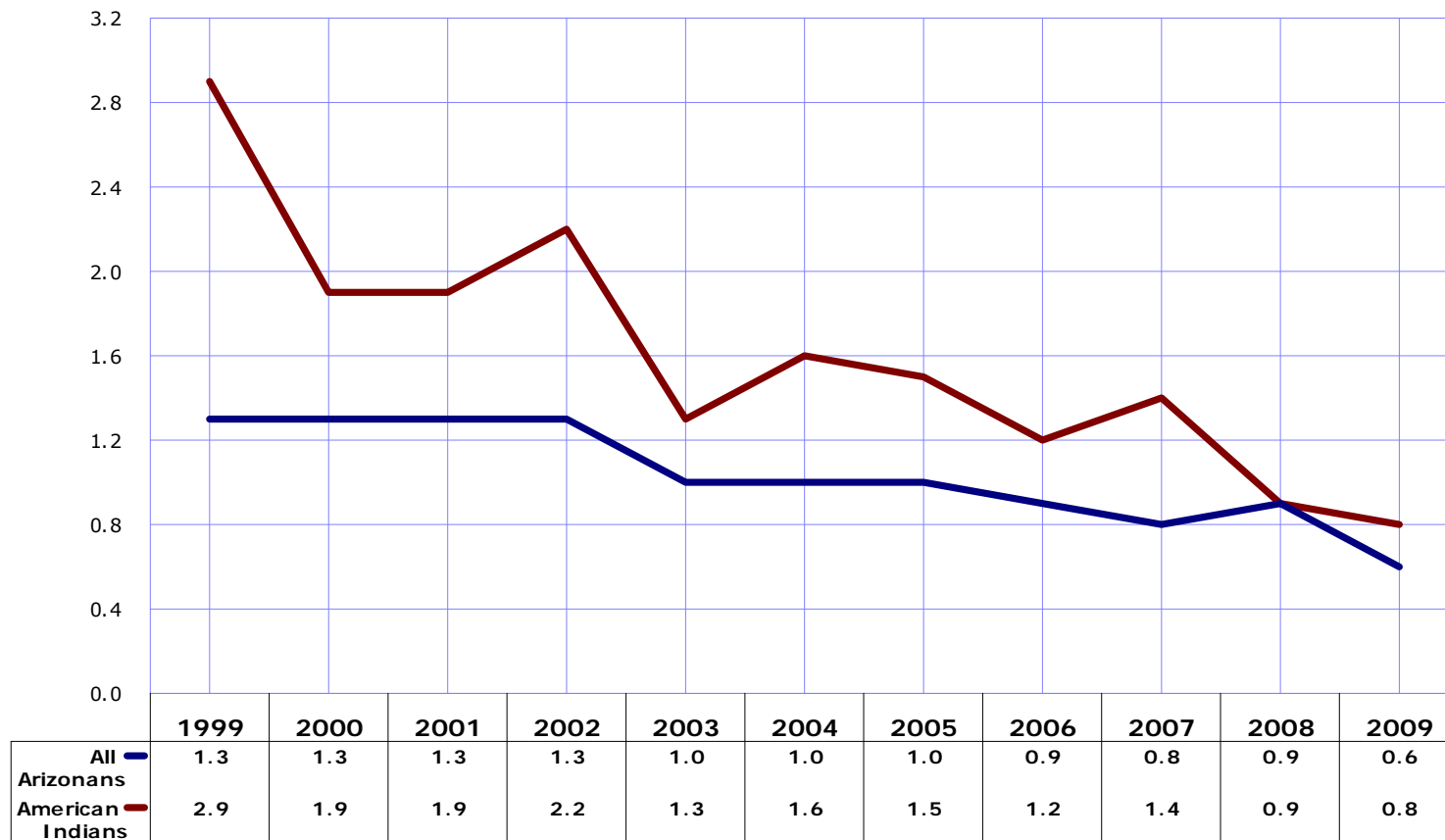


* 19 or younger.

Source: Table 1B-2 and Table 1B-14 in *Arizona Health Status and Vital Statistics 2009*.

3.7
The Incidence of Birth Defects (Congenital Anomalies),
1999-2009

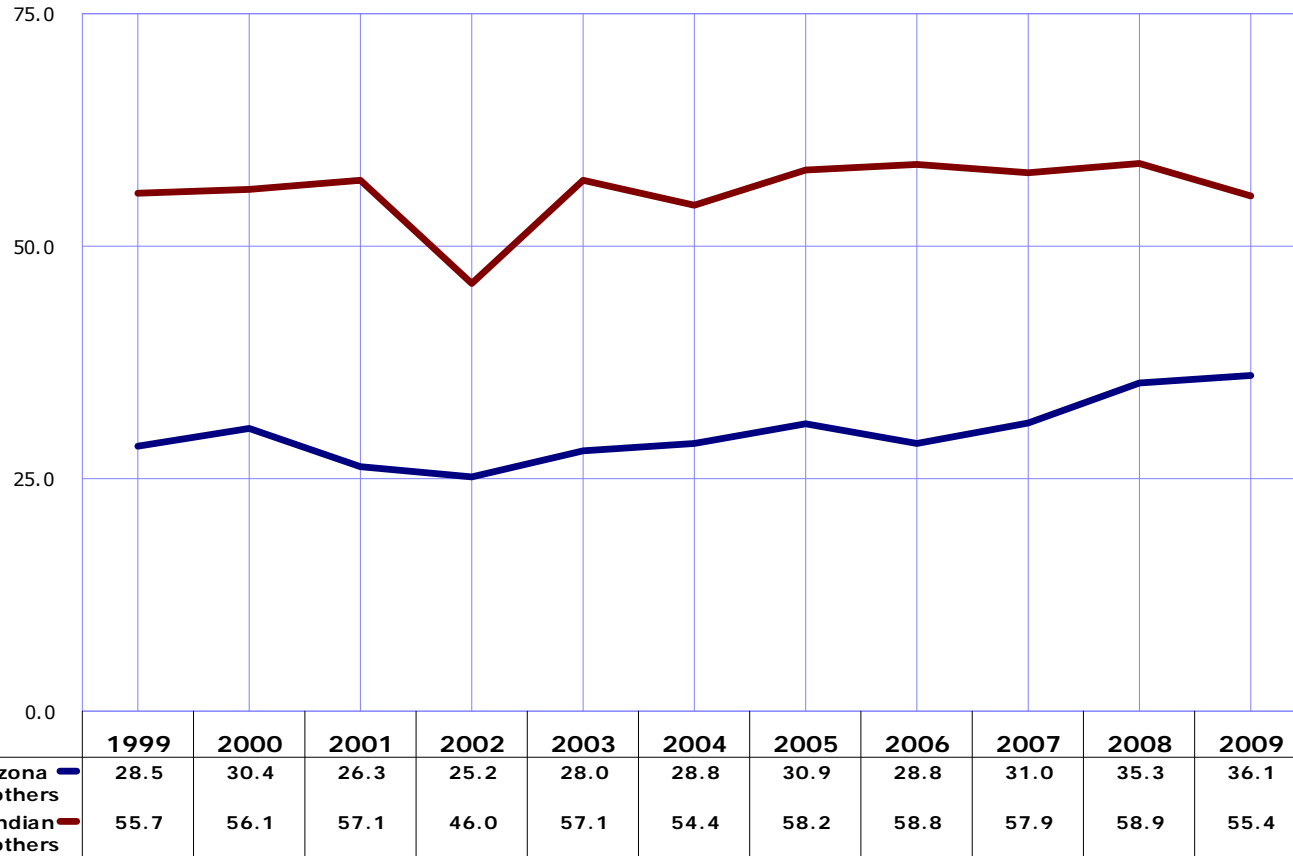
Per 100 births:



Source: Table 1B-35 in *Arizona Health Status and Vital Statistics 2009*.

3.8
The Incidence of Pregnancy Associated Hypertension,
1999-2009

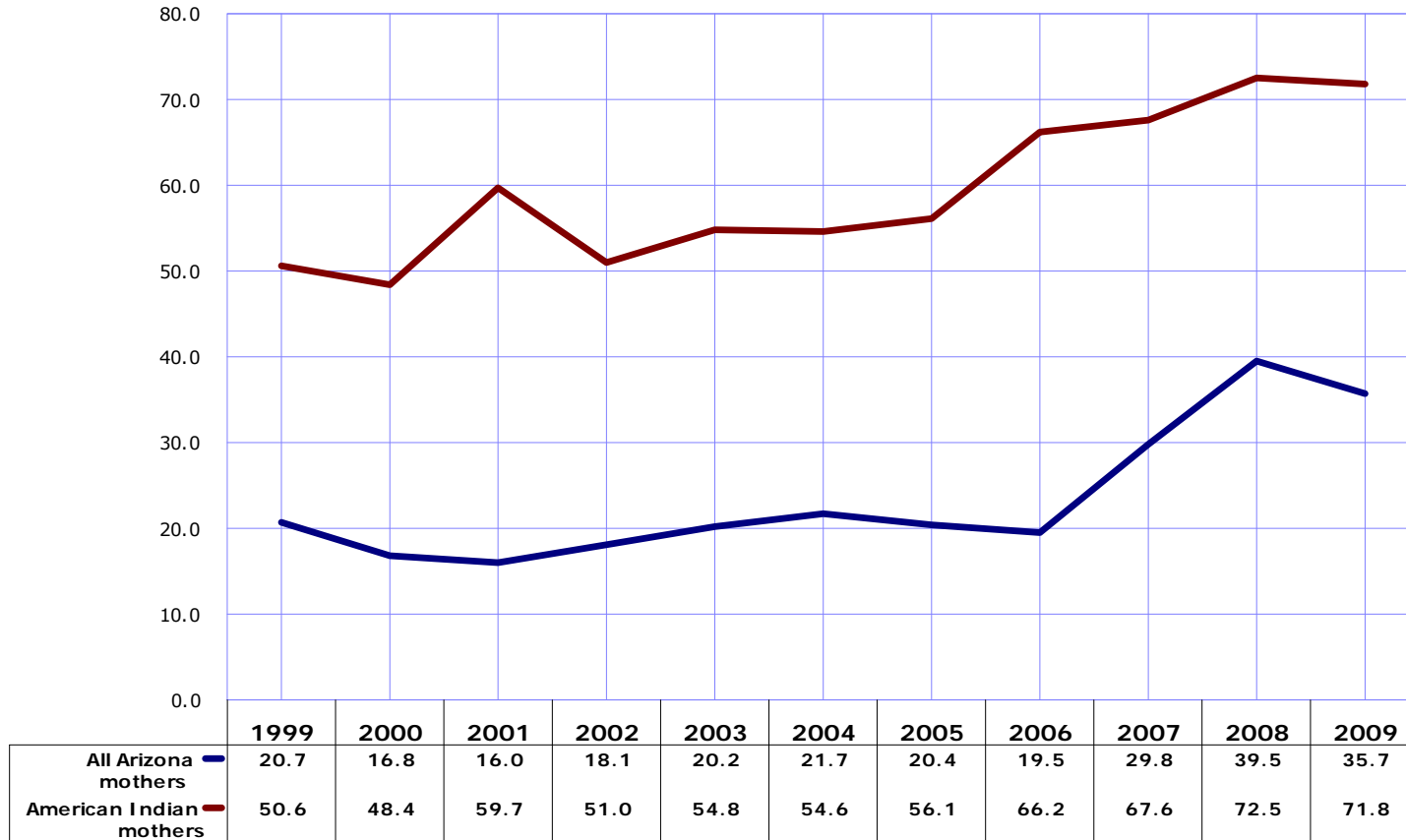
Per 1,000 births:



Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2009*.

3.9
The Incidence of Anemia during Pregnancy,
1999-2009

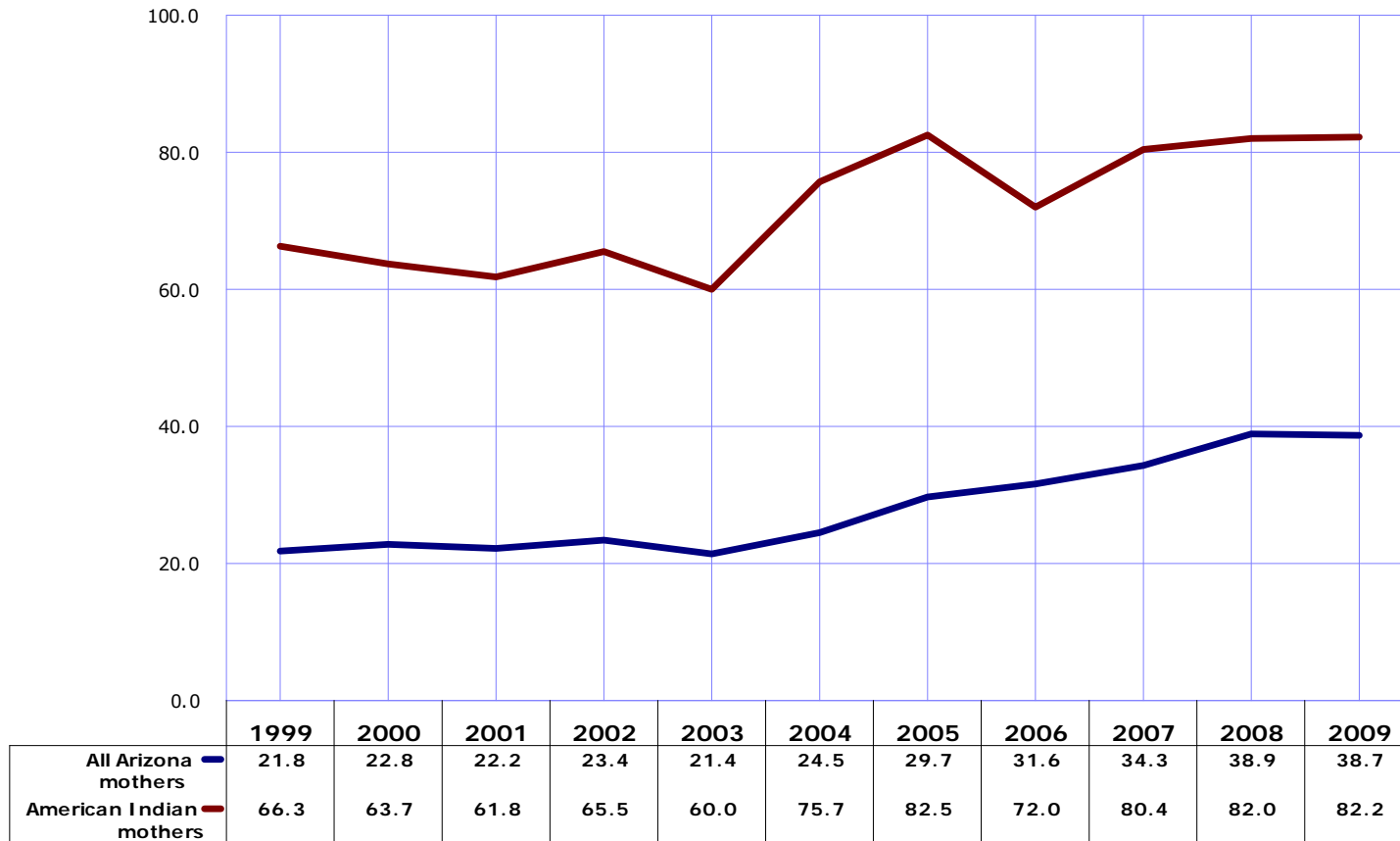
Per 1,000 births:



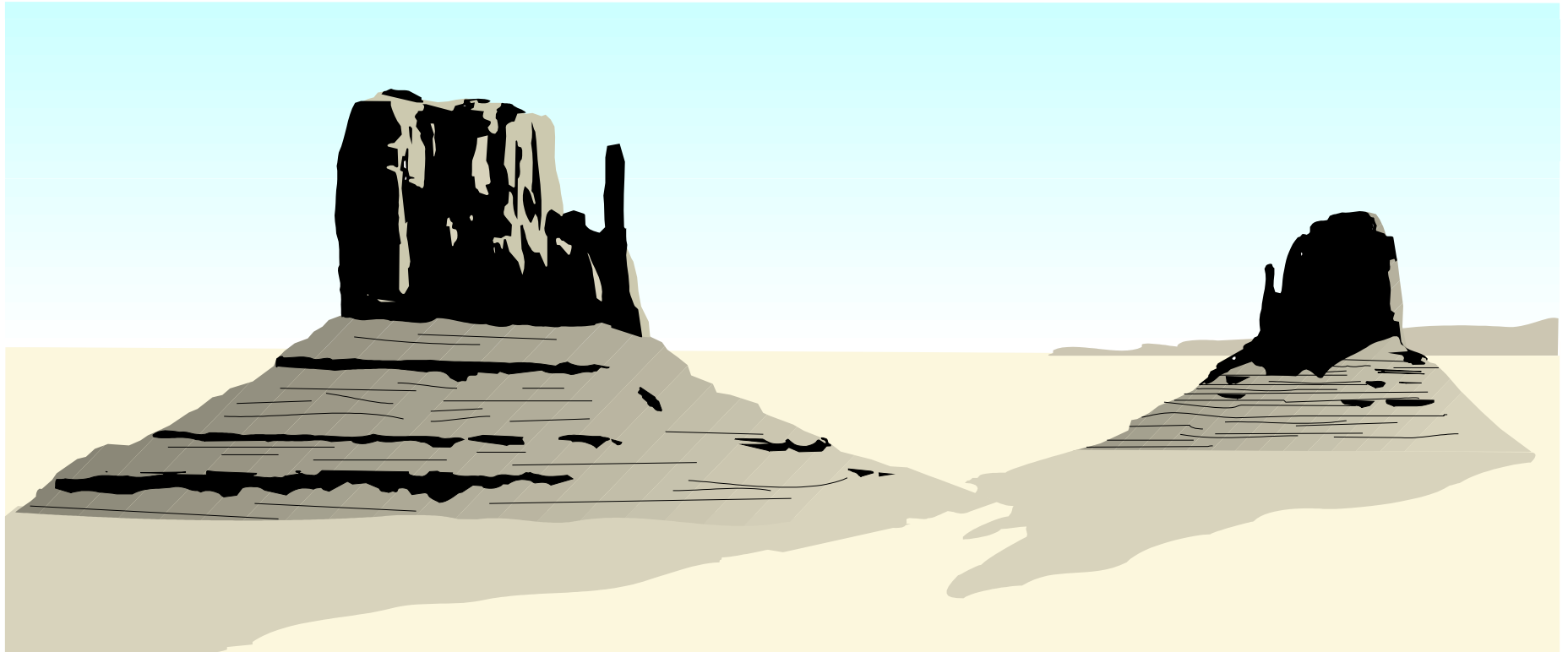
Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2009*.

3.10
The Incidence of Diabetes during Pregnancy,
1999-2009

Per 1,000 births:

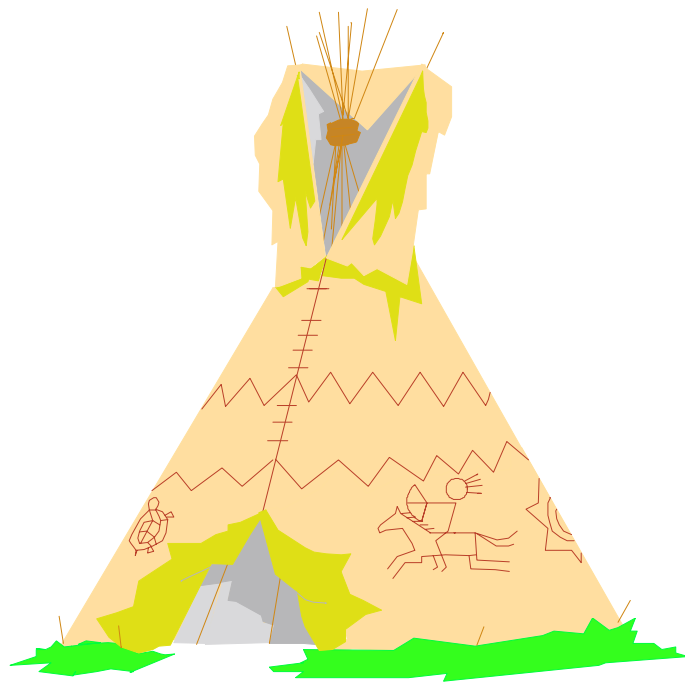


Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2009*.



IV.

CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND MOTHERS GIVING BIRTH BY PLACE OF RESIDENCE IN ARIZONA IN 2009



SOCIODEMOGRAPHIC CHARACTERISTICS

4.1
MATERNAL AGE (2009 STATUS)

		TOTAL BIRTHS	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	17	394	759	2,035	1,494	898	454	113	5	1
Resided on reservation	Ak-Chin Indian Community	16	0	2	2	3	4	4	1	0	0	0
	Cocopah Tribe	9	0	0	2	6	0	0	1	0	0	0
	Colorado River Indian Tribe	21	1	2	3	6	4	4	1	0	0	0
	Fort McDowell Yavapai Nation	18	0	0	2	7	5	2	2	0	0	0
	Fort Mojave Indian Tribe	14	0	0	1	6	4	3	0	0	0	0
	Fort Yuma Quechan Tribe	16	0	0	2	8	4	2	0	0	0	0
	Gila River Indian Community	232	2	26	35	88	43	23	12	3	0	0
	Havasupai Tribe	8	0	1	0	3	1	3	0	0	0	0
	Hopi Tribe	136	2	8	20	45	27	19	12	3	0	0
	Hualapai Nation	23	0	3	3	3	13	1	0	0	0	0
	Navajo Nation	2,187	3	123	279	671	525	322	196	64	3	1
	Pascua Yaqui Tribe	117	0	13	17	48	25	10	3	0	1	0
	Salt River Pima-Maricopa Community	120	0	14	17	45	26	12	6	0	0	0
	San Carlos Apache Tribe	288	1	36	46	102	59	26	15	3	0	0
	Tohono O'Odham Tribe	327	1	20	35	106	96	50	14	5	0	0
	White Mountain Apache	359	1	32	59	122	71	48	20	5	1	0
	Yavapai-Apache Nation	19	0	3	2	5	5	3	1	0	0	0
Yavapai-Prescott Indian Tribe	4	0	0	0	2	1	0	1	0	0	0	
	TOTAL	3,914	11	283	525	1,276	913	532	285	83	5	1
Resided off reservation	---in Maricopa County	1,596	3	83	159	534	412	263	121	21	0	0
	---in Pima County	204	1	8	26	60	53	41	13	2	0	0
	---in Coconino County	41	0	2	4	17	9	6	1	2	0	0
	---elsewhere in Arizona	415	2	18	45	148	107	56	34	5	0	0
		TOTAL	2,256	6	111	234	759	581	366	169	30	0

4.2
EDUCATIONAL ATTAINMENT OF MOTHER (2009 STATUS)

		TOTAL BIRTHS	Mother's education						
			< 8	8	9-11	12	13-16	17+	Un-known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	32	138	1,628	2,437	1,718	186	31
Resided on reservation	Ak-Chin Indian Community	16	1	0	8	5	2	0	0
	Cocopah Tribe	9	0	0	3	6	0	0	0
	Colorado River Indian Tribe	21	0	0	5	9	5	0	2
	Fort McDowell Yavapai Nation	18	0	1	2	9	6	0	0
	Fort Mojave Indian Tribe	14	0	0	5	5	3	1	0
	Fort Yuma Quechan Tribe	16	0	3	3	8	2	0	0
	Gila River Indian Community	232	1	21	116	60	32	2	0
	Havasupai Tribe	8	0	0	4	3	0	0	1
	Hopi Tribe	136	0	5	25	59	45	1	1
	Hualapai Nation	23	0	1	13	9	0	0	0
	Navajo Nation	2,187	8	21	448	1,003	640	55	12
	Pascua Yaqui Tribe	117	0	4	43	54	15	1	0
	Salt River Pima-Maricopa Community	120	0	4	50	39	22	1	4
	San Carlos Apache Tribe	288	4	12	94	136	40	2	0
	Tohono O'Odham Tribe	327	6	11	139	107	57	7	0
	White Mountain Apache	359	1	8	133	148	64	5	0
	Yavapai-Apache Nation	19	0	0	9	6	4	0	0
	Yavapai-Prescott Indian Tribe	4	0	0	0	3	1	0	0
	TOTAL	3,914	21	91	1,100	1,669	938	75	20
Resided off reservation	---in Maricopa County	1,596	9	31	371	499	601	79	6
	---in Pima County	204	0	6	47	80	58	13	0
	---in Coconino County	41	0	0	8	17	14	1	1
	---elsewhere in Arizona	415	2	10	102	172	107	18	4
		TOTAL	2,256	11	47	528	768	780	111

4.3
MARITAL STATUS OF MOTHER (2009 STATUS)

		TOTAL BIRTHS	Marital status		
			Married	Unmarried	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	1,360	4,746	64
Resided on reservation	Ak-Chin Indian Community	16	6	10	0
	Cocopah Tribe	9	0	9	0
	Colorado River Indian Tribe	21	3	18	0
	Fort McDowell Yavapai Nation	18	5	13	0
	Fort Mojave Indian Tribe	14	1	13	0
	Fort Yuma Quechan Tribe	16	3	13	0
	Gila River Indian Community	232	14	217	1
	Havasupai Tribe	8	0	8	0
	Hopi Tribe	136	10	126	0
	Hualapai Nation	23	3	20	0
	Navajo Nation	2,187	489	1,680	18
	Pascua Yaqui Tribe	117	13	104	0
	Salt River Pima-Maricopa Community	120	15	104	1
	San Carlos Apache Tribe	288	55	229	4
	Tohono O'Odham Tribe	327	32	284	11
	White Mountain Apache	359	84	274	1
	Yavapai-Apache Nation	19	3	16	0
	Yavapai-Prescott Indian Tribe	4	2	2	0
	TOTAL	3,914	738	3,140	36
Resided off reservation	---in Maricopa County	1,596	412	1,167	17
	---in Pima County	204	67	133	4
	---in Coconino County	41	11	30	0
	---elsewhere in Arizona	415	132	276	7
	TOTAL	2,256	622	1,606	28

4.4
RACE/ETHNICITY OF FATHER (2009 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	Other race	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	393	772	147	3,532	48	6	1,272
Resided on reservation	Ak-Chin Indian Community	16	1	2	1	8	0	0	4
	Cocopah Tribe	9	1	1	1	3	0	0	3
	Colorado River Indian Tribe	21	3	7	0	6	0	0	5
	Fort McDowell Yavapai Nation	18	0	2	0	14	0	0	2
	Fort Mojave Indian Tribe	14	1	5	0	5	0	0	3
	Fort Yuma Quechan Tribe	16	2	5	1	3	0	0	5
	Gila River Indian Community	232	6	15	7	142	0	1	61
	Havasupai Tribe	8	0	0	0	5	0	0	3
	Hopi Tribe	136	5	5	0	103	1	0	22
	Hualapai Nation	23	1	0	0	18	0	0	4
	Navajo Nation	2,187	70	50	9	1,650	7	1	400
	Pascua Yaqui Tribe	117	2	17	0	62	1	0	35
	Salt River Pima-Maricopa Community	120	2	19	1	68	0	0	30
	San Carlos Apache Tribe	288	0	8	1	221	0	0	58
	Tohono O'Odham Tribe	327	7	37	6	149	1	0	127
	White Mountain Apache	359	3	7	2	285	0	0	62
	Yavapai-Apache Nation	19	0	3	0	12	0	0	4
Yavapai-Prescott Indian Tribe	4	0	2	0	1	0	0	1	
	TOTAL	3,914	104	185	29	2,755	10	2	829
Resided off reservation	---in Maricopa County	1,596	179	443	88	561	31	2	292
	---in Pima County	204	26	58	15	56	3	0	46
	---in Coconino County	41	10	4	2	20	0	0	5
	---elsewhere in Arizona	415	74	82	13	140	4	2	100
		TOTAL	2,256	289	587	118	777	38	4

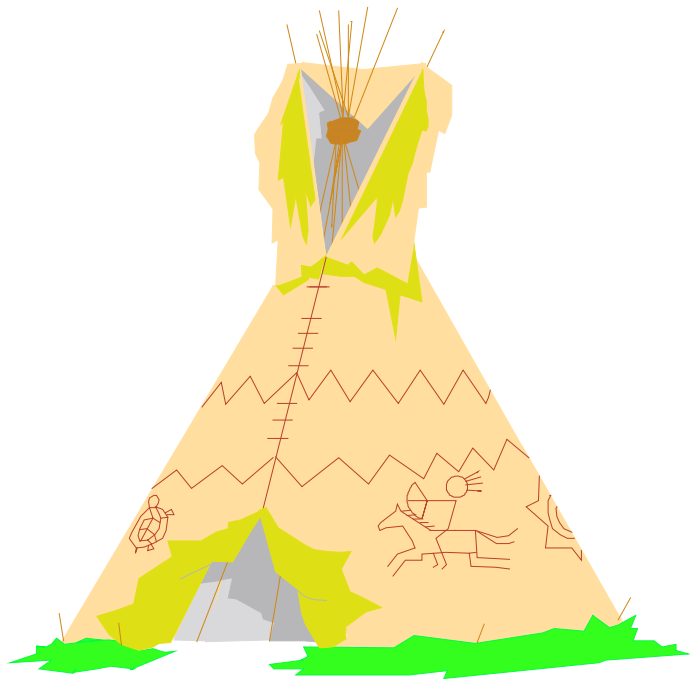
4.5
AGE OF FATHER (2009 STATUS)

		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		6,170	3	165	389	1,412	1,288	847	478	233	94	24	15	1,222
Resided on reservation	Ak-Chin Indian Community	16	0	1	0	2	3	2	3	1	0	0	0	4
	Cocopah Tribe	9	0	0	0	5	1	0	0	0	0	0	0	3
	Colorado River Indian Tribe	21	0	0	1	7	5	1	1	1	0	0	0	5
	Fort McDowell Yavapai Nation	18	0	0	5	6	2	1	1	1	0	0	0	2
	Fort Mojave Indian Tribe	14	0	0	0	2	3	3	3	0	0	0	0	3
	Fort Yuma Quechan Tribe	16	0	0	0	3	6	1	0	1	0	0	0	5
	Gila River Indian Community	232	0	15	25	55	35	20	9	9	2	1	0	61
	Havasupai Tribe	8	0	0	0	2	3	0	0	0	0	0	0	3
	Hopi Tribe	136	0	4	12	34	24	19	13	6	1	2	0	21
	Hualapai Nation	23	0	1	2	3	6	2	1	3	0	1	0	4
	Navajo Nation	2,187	0	41	128	487	477	314	193	95	51	12	9	380
	Pascua Yaqui Tribe	117	0	4	10	25	22	10	9	0	2	0	0	35
	Salt River Pima-Maricopa Community	120	0	11	17	29	14	11	5	5	0	0	0	28
	San Carlos Apache Tribe	288	2	13	27	73	65	29	11	4	4	1	1	58
	Tohono O'Odham Tribe	327	0	7	20	46	60	33	18	9	6	1	1	126
	White Mountain Apache	359	0	20	31	96	66	46	23	10	4	1	1	61
	Yavapai-Apache Nation	19	0	3	1	4	4	4	0	0	0	0	0	3
	Yavapai-Prescott Indian Tribe	4	0	0	0	1	1	0	0	0	1	0	0	1
TOTAL	3,914	2	120	279	880	797	496	290	145	71	19	12	803	
Resided off reservation	---in Maricopa County	1,596	1	35	79	375	361	260	127	58	18	4	2	276
	---in Pima County	204	0	2	7	46	46	32	19	6	1	0	0	45
	---in Coconino County	41	0	1	4	15	5	4	5	1	1	0	0	5
	---elsewhere in Arizona	415	0	7	20	96	79	55	37	23	3	1	1	93
	TOTAL	2,256	1	45	110	532	491	351	188	88	23	5	3	419

4.6
SOURCE OF PAYMENT FOR LABOR AND DELIVERY (2009 STATUS)

		TOTAL BIRTHS	Payee for births				
			AHCCCS	IHS	Private insurance	Self	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	3,549	1,599	770	49	203
Resided on reservation	Ak-Chin Indian Community	16	10	1	5	0	0
	Cocopah Tribe	9	5	2	0	2	0
	Colorado River Indian Tribe	21	8	11	2	0	0
	Fort McDowell Yavapai Nation	18	8	0	10	0	0
	Fort Mojave Indian Tribe	14	10	0	3	1	0
	Fort Yuma Quechan Tribe	16	13	0	3	0	0
	Gila River Indian Community	232	186	22	18	2	4
	Havasupai Tribe	8	6	1	0	1	0
	Hopi Tribe	136	66	65	3	1	1
	Hualapai Nation	23	19	0	3	1	0
	Navajo Nation	2,187	1,126	826	84	5	146
	Pascua Yaqui Tribe	117	86	13	17	1	0
	Salt River Pima-Maricopa Community	120	92	11	16	1	0
	San Carlos Apache Tribe	288	54	220	13	1	0
	Tohono O'Odham Tribe	327	214	70	43	0	0
	White Mountain Apache	359	255	95	9	0	0
	Yavapai-Apache Nation	19	10	6	3	0	0
	Yavapai-Prescott Indian Tribe	4	2	0	2	0	0
	TOTAL	3,914	2,170	1,343	234	16	151
Resided off reservation	---in Maricopa County	1,596	1,002	162	404	19	9
	---in Pima County	204	140	17	42	4	1
	---in Coconino County	41	27	2	11	0	1
	---elsewhere in Arizona	415	210	75	79	10	41
		TOTAL	2,256	1,379	256	536	33

*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 (2009 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		6,170	154	1,138	844	478	1,480	1,983	93
Resided on reservation	Ak-Chin Indian Community	16	1	1	1	0	10	3	0
	Cocopah Tribe	9	0	2	2	2	0	3	0
	Colorado River Indian Tribe	21	0	11	1	1	1	5	2
	Fort McDowell Yavapai Nation	18	0	3	5	0	4	6	0
	Fort Mojave Indian Tribe	14	0	0	4	1	7	2	0
	Fort Yuma Quechan Tribe	16	0	2	2	0	5	7	0
	Gila River Indian Community	232	10	27	30	13	84	64	4
	Havasupai Tribe	8	0	1	0	1	4	1	1
	Hopi Tribe	136	1	41	19	12	29	31	3
	Hualapai Nation	23	0	3	5	3	5	7	0
	Navajo Nation	2,187	38	466	293	194	548	594	54
	Pascua Yaqui Tribe	117	6	20	15	11	21	44	0
	Salt River Pima-Maricopa Community	120	3	23	22	3	33	36	0
	San Carlos Apache Tribe	288	6	55	54	12	65	92	4
	Tohono O'Odham Tribe	327	20	66	41	29	61	108	2
	White Mountain Apache	359	10	72	50	32	71	112	12
	Yavapai-Apache Nation	19	0	4	2	0	5	8	0
	Yavapai-Prescott Indian Tribe	4	0	0	0	0	1	3	0
	TOTAL	3,914	95	797	546	314	954	1,126	82
Resided off reservation	---in Maricopa County	1,596	36	247	214	127	372	595	5
	---in Pima County	204	5	24	24	21	43	87	0
	---in Coconino County	41	2	2	5	2	12	17	1
	---elsewhere in Arizona	415	16	68	55	14	99	158	5
		TOTAL	2,256	59	341	298	164	526	857

4.8

MEDICAL RISK FACTORS OF PREGNANCY (2009 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		6,170	2,583	443	3	47	507	40	113	1	97	342	81	52	62	12	5	19	3	1,583
Resided on reservation	Ak-Chin Indian Community	16	4	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
	Cocopah Tribe	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Colorado River Indian Tribe	21	4	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	3
	Fort McDowell Yavapai Nation	18	6	2	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	3
	Fort Mojave Indian Tribe	14	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Fort Yuma Quechan Tribe	16	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	Gila River Indian Community	232	80	17	0	2	22	3	0	0	0	16	1	2	1	0	0	0	1	44
	Havasupai Tribe	8	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	Hopi Tribe	136	43	6	0	0	14	0	2	0	2	6	1	1	1	1	0	2	0	16
	Hualapai Nation	23	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Navajo Nation	2,187	792	117	2	11	176	5	38	0	41	140	25	23	34	4	2	10	2	365
	Pascua Yaqui Tribe	117	84	19	0	4	15	0	2	0	1	10	4	3	3	0	0	0	0	62
	Salt River Pima-Maricopa Community	120	56	22	0	1	9	0	2	0	1	7	1	3	1	1	0	0	0	35
	San Carlos Apache Tribe	288	94	16	0	0	20	2	3	0	2	16	5	1	2	0	0	0	0	70
	Tohono O'Odham Tribe	327	210	4	0	1	37	5	22	0	6	13	19	1	1	0	0	1	0	172
	White Mountain Apache	359	125	10	0	7	20	4	0	0	6	15	4	0	0	6	0	0	0	85
	Yavapai-Apache Nation	19	7	0	0	0	1	0	1	0	0	0	1	3	0	0	0	0	0	2
	Yavapai-Prescott Indian Tribe	4	3	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	1
	TOTAL	3,914	1,516	215	2	26	319	22	71	0	62	226	62	37	43	12	2	13	3	863
Resided off reservation	---in Maricopa County	1,596	823	204	1	17	153	14	27	1	23	96	9	14	16	0	3	4	0	556
	---in Pima County	204	114	10	0	1	15	0	11	0	5	6	5	0	1	0	0	0	0	88
	---in Coconino County	41	3	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0
	---elsewhere in Arizona	415	127	14	0	3	18	4	4	0	7	13	5	1	2	0	0	2	0	76
		TOTAL	2,256	1,067	228	1	21	188	18	42	1	35	116	19	15	19	0	3	6	0

4.9
SUBSTANCE USE DURING PREGNANCY (2009 STATUS)

		TOTAL BIRTHS	Substance use			
			Drinker, nonsmoker	Smoker, nondrinker	Smoker and drinker	Nonsmoker and nondrinker
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	59	130	29	5,952
Resided on reservation	Ak-Chin Indian Community	16	0	1	0	15
	Cocopah Tribe	9	0	0	0	9
	Colorado River Indian Tribe	21	0	0	0	21
	Fort McDowell Yavapai Nation	18	0	0	0	18
	Fort Mojave Indian Tribe	14	0	0	0	14
	Fort Yuma Quechan Tribe	16	0	0	0	16
	Gila River Indian Community	232	3	1	1	227
	Havasupai Tribe	8	1	0	0	7
	Hopi Tribe	136	4	1	0	131
	Hualapai Nation	23	1	0	0	22
	Navajo Nation	2,187	14	24	7	2,142
	Pascua Yaqui Tribe	117	1	2	0	114
	Salt River Pima-Maricopa Community	120	0	4	1	115
	San Carlos Apache Tribe	288	5	4	4	275
	Tohono O'Odham Tribe	327	9	11	5	302
	White Mountain Apache	359	7	0	4	348
	Yavapai-Apache Nation	19	0	1	0	18
	Yavapai-Prescott Indian Tribe	4	0	1	0	3
	TOTAL	3,914	45	50	22	3,797
	Resided off reservation	---in Maricopa County	1,596	11	51	5
---in Pima County		204	2	9	2	191
---in Coconino County		41	0	2	0	39
---elsewhere in Arizona		415	1	18	0	396
TOTAL		2,256	14	80	7	2,155



Utilization of Medical Services

**4.10
TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN (2009 STATUS)**

		TOTAL BIRTHS	Prenatal care				
			No care	1st trimester	2nd trimester	3rd trimester	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	129	4,073	1,496	458	14
Resided on reservation	Ak-Chin Indian Community	16	0	15	0	1	0
	Cocopah Tribe	9	1	4	1	3	0
	Colorado River Indian Tribe	21	0	16	4	1	0
	Fort McDowell Yavapai Nation	18	0	12	5	1	0
	Fort Mojave Indian Tribe	14	1	10	2	1	0
	Fort Yuma Quechan Tribe	16	1	7	6	2	0
	Gila River Indian Community	232	6	178	38	10	0
	Havasupai Tribe	8	0	4	4	0	0
	Hopi Tribe	136	3	101	27	5	0
	Hualapai Nation	23	0	21	2	0	0
	Navajo Nation	2,187	28	1,415	553	185	6
	Pascua Yaqui Tribe	117	3	71	38	5	0
	Salt River Pima-Maricopa Community	120	7	75	22	16	0
	San Carlos Apache Tribe	288	6	129	114	39	0
	Tohono O'Odham Tribe	327	7	215	81	24	0
	White Mountain Apache	359	11	210	102	29	7
	Yavapai-Apache Nation	19	0	12	4	3	0
	Yavapai-Prescott Indian Tribe	4	0	2	1	1	0
	TOTAL	3,914	74	2,497	1,004	326	13
Resided off reservation	---in Maricopa County	1,596	37	1,140	331	88	0
	---in Pima County	204	5	134	56	9	0
	---in Coconino County	41	0	24	14	3	0
	---elsewhere in Arizona	415	13	278	91	32	1
		TOTAL	2,256	55	1,576	492	132

**4.11
NUMBER OF PRENATAL VISITS (2009 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		6,170	129	531	1,689	2,693	1,104	24
Resided on reservation	Ak-Chin Indian Community	16	0	1	1	12	2	0
	Cocopah Tribe	9	1	1	5	1	1	0
	Colorado River Indian Tribe	21	0	1	4	8	7	1
	Fort McDowell Yavapai Nation	18	0	1	6	8	3	0
	Fort Mojave Indian Tribe	14	1	2	2	8	1	0
	Fort Yuma Quechan Tribe	16	1	1	8	3	3	0
	Gila River Indian Community	232	6	13	32	146	35	0
	Havasupai Tribe	8	0	3	4	1	0	0
	Hopi Tribe	136	3	6	37	54	35	1
	Hualapai Nation	23	0	4	2	11	6	0
	Navajo Nation	2,187	28	194	579	956	419	11
	Pascua Yaqui Tribe	117	3	10	32	45	27	0
	Salt River Pima-Maricopa Community	120	7	16	44	40	13	0
	San Carlos Apache Tribe	288	6	56	105	94	26	1
	Tohono O'Odham Tribe	327	7	27	116	115	62	0
	White Mountain Apache	359	11	51	141	128	21	7
	Yavapai-Apache Nation	19	0	0	10	8	1	0
	Yavapai-Prescott Indian Tribe	4	0	0	0	2	2	0
		TOTAL	3,914	74	387	1,128	1,640	664
Resided off reservation	---in Maricopa County	1,596	37	96	401	765	296	1
	---in Pima County	204	5	14	48	81	56	0
	---in Coconino County	41	0	6	9	20	6	0
	---elsewhere in Arizona	415	13	28	103	187	82	2
		TOTAL	2,256	55	144	561	1,053	440

**4.12
OBSTETRIC PROCEDURES (2009 STATUS)**

		TOTAL BIRTHS	Obstetric procedures						
			Amniocentesis	Electronic Fetal Monitor	Induction of labor	Stimulation of labor	Tocolysis	Ultrasound	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	50	5,507	1,071	940	35	4,253	249
Resided on reservation	Ak-Chin Indian Community	16	0	16	1	2	0	14	0
	Cocopah Tribe	9	0	9	1	0	0	9	0
	Colorado River Indian Tribe	21	0	20	2	4	1	12	0
	Fort McDowell Yavapai Nation	18	0	18	9	4	0	17	0
	Fort Mojave Indian Tribe	14	0	14	2	1	0	14	0
	Fort Yuma Quechan Tribe	16	0	16	3	0	0	16	0
	Gila River Indian Community	232	1	229	14	18	1	211	8
	Havasupai Tribe	8	0	7	3	0	0	1	0
	Hopi Tribe	136	2	110	26	28	1	40	1
	Hualapai Nation	23	0	23	7	2	0	1	0
	Navajo Nation	2,187	17	1,866	370	306	19	1,109	24
	Pascua Yaqui Tribe	117	2	117	11	7	0	106	16
	Salt River Pima-Maricopa Community	120	3	118	28	29	0	103	1
	San Carlos Apache Tribe	288	2	215	65	33	2	198	50
	Tohono O'Odham Tribe	327	1	311	57	9	0	313	48
	White Mountain Apache	359	0	254	50	47	3	294	7
	Yavapai-Apache Nation	19	0	19	4	3	0	19	0
Yavapai-Prescott Indian Tribe	4	0	4	2	0	0	4	0	
	TOTAL	3,914	28	3,366	655	493	27	2,481	155
Resided off reservation	---in Maricopa County	1,596	21	1,564	317	341	6	1,226	52
	---in Pima County	204	0	199	44	23	1	195	27
	---in Coconino County	41	0	35	9	4	0	27	0
	---elsewhere in Arizona	415	1	343	46	79	1	324	15
		TOTAL	2,256	22	2,141	416	447	8	1,772

4.13
COMPLICATIONS OF LABOR AND DELIVERY (2009 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	6,170	1,641	140	233	169	31	15	76	3	114	74	153	126	25	6	1	246	706	
Resided on reservation																			
Ak-Chin Indian Community	16	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Cocopah Tribe	9	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Colorado River Indian Tribe	21	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	1
Fort McDowell Yavapai Nation	18	3	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Fort Mojave Indian Tribe	14	5	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
Fort Yuma Quechan Tribe	16	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Gila River Indian Community	232	42	5	3	3	1	1	0	0	2	2	3	4	0	0	0	11	21	
Havasupai Tribe	8	2	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	
Hopi Tribe	136	33	3	7	4	0	0	5	1	4	1	1	2	0	0	4	10		
Hualapai Nation	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Navajo Nation	2,187	552	55	67	83	15	7	45	2	53	35	74	43	4	4	1	81	157	
Pascua Yaqui Tribe	117	38	4	8	4	0	0	0	0	1	1	2	3	0	0	6	19		
Salt River Pima-Maricopa Community	120	46	5	11	7	2	0	3	0	3	2	3	5	2	0	10	7		
San Carlos Apache Tribe	288	84	2	3	6	1	0	4	0	10	1	1	11	3	0	8	49		
Tohono O'Odham Tribe	327	100	2	17	6	4	1	0	0	2	4	1	3	0	0	5	70		
White Mountain Apache	359	87	1	5	7	1	2	0	0	6	7	13	10	2	0	13	59		
Yavapai-Apache Nation	19	5	0	0	1	0	0	1	0	0	0	1	0	0	0	0	2		
Yavapai-Prescott Indian Tribe	4	3	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2		
TOTAL	3,914	1,011	77	125	122	25	11	58	3	83	53	101	84	14	4	1	143	403	
Resided off reservation																			
---in Maricopa County	1,596	473	58	83	41	6	1	17	0	28	17	48	30	9	2	82	202		
---in Pima County	204	75	2	16	2	0	1	1	0	2	3	0	3	0	0	8	50		
---in Coconino County	41	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1		
---elsewhere in Arizona	415	81	3	9	4	0	1	0	0	1	1	4	9	2	0	13	50		
TOTAL	2,256	630	63	108	47	6	4	18	0	31	21	52	42	11	2	103	303		

**4.14
METHOD OF DELIVERY (2009 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		6,170	4,635	103	754	678	31	111
Resided on reservation	Ak-Chin Indian Community	16	12	0	2	2	0	0
	Cocopah Tribe	9	7	0	1	1	0	0
	Colorado River Indian Tribe	21	14	1	4	2	0	1
	Fort McDowell Yavapai Nation	18	14	0	3	1	0	0
	Fort Mojave Indian Tribe	14	10	0	3	1	0	0
	Fort Yuma Quechan Tribe	16	10	0	3	3	0	0
	Gila River Indian Community	232	158	1	37	36	0	4
	Havasupai Tribe	8	6	0	1	1	0	0
	Hopi Tribe	136	114	2	9	11	0	2
	Hualapai Nation	23	18	0	2	3	0	1
	Navajo Nation	2,187	1,721	58	234	174	10	30
	Pascua Yaqui Tribe	117	83	4	8	22	1	2
	Salt River Pima-Maricopa Community	120	85	4	17	14	1	1
	San Carlos Apache Tribe	288	203	2	43	40	2	14
	Tohono O'Odham Tribe	327	259	3	38	27	0	4
	White Mountain Apache	359	278	1	39	41	9	18
	Yavapai-Apache Nation	19	14	0	1	4	0	0
	Yavapai-Prescott Indian Tribe	4	1	0	3	0	0	0
	TOTAL	3,914	3,007	76	448	383	23	77
Resided off reservation	---in Maricopa County	1,596	1,148	22	214	212	7	23
	---in Pima County	204	151	3	28	22	1	3
	---in Coconino County	41	33	0	4	4	0	0
	---elsewhere in Arizona	415	296	2	60	57	0	8
		TOTAL	2,256	1,628	27	306	295	8

**4.15
ATTENDANT AT BIRTH (2009 STATUS)**

		TOTAL BIRTHS	M.D.	C.N.M	Midwife	D.O.	Other	Un-known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	3,990	1,614	87	459	13	7
Resided on reservation	Ak-Chin Indian Community	16	10	0	0	6	0	0
	Cocopah Tribe	9	8	1	0	0	0	0
	Colorado River Indian Tribe	21	6	0	0	15	0	0
	Fort McDowell Yavapai Nation	18	16	1	0	1	0	0
	Fort Mojave Indian Tribe	14	12	0	0	1	1	0
	Fort Yuma Quechan Tribe	16	14	2	0	0	0	0
	Gila River Indian Community	232	168	9	0	54	1	0
	Havasupai Tribe	8	6	0	0	1	1	0
	Hopi Tribe	136	91	43	0	2	0	0
	Hualapai Nation	23	15	0	0	8	0	0
	Navajo Nation	2,187	1,024	1,026	62	64	5	6
	Pascua Yaqui Tribe	117	81	34	0	2	0	0
	Salt River Pima-Maricopa Community	120	87	30	0	3	0	0
	San Carlos Apache Tribe	288	281	2	0	2	3	0
	Tohono O'Odham Tribe	327	321	3	1	1	1	0
	White Mountain Apache	359	250	2	0	106	1	0
	Yavapai-Apache Nation	19	18	1	0	0	0	0
	Yavapai-Prescott Indian Tribe	4	4	0	0	0	0	0
	TOTAL	3,914	2,412	1,154	63	266	13	6
Resided off reservation	---in Maricopa County	1,596	1,056	411	7	122	0	0
	---in Pima County	204	173	26	1	4	0	0
	---in Coconino County	41	34	7	0	0	0	0
	---elsewhere in Arizona	415	315	16	16	67	0	1
		TOTAL	2,256	1,578	460	24	193	0



Newborn's Health

**4.16
GESTATIONAL AGE (2009 STATUS)**

		TOTAL BIRTHS	Length of gestation			
			<37 weeks	37-41 weeks	42+ weeks	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	593	5,518	54	5
Resided on reservation	Ak-Chin Indian Community	16	4	12	0	0
	Cocopah Tribe	9	0	9	0	0
	Colorado River Indian Tribe	21	1	20	0	0
	Fort McDowell Yavapai Nation	18	3	15	0	0
	Fort Mojave Indian Tribe	14	1	13	0	0
	Fort Yuma Quechan Tribe	16	1	15	0	0
	Gila River Indian Community	232	30	201	1	0
	Havasupai Tribe	8	0	8	0	0
	Hopi Tribe	136	8	126	2	0
	Hualapai Nation	23	4	19	0	0
	Navajo Nation	2,187	194	1,965	24	4
	Pascua Yaqui Tribe	117	19	98	0	0
	Salt River Pima-Maricopa Community	120	12	104	4	0
	San Carlos Apache Tribe	288	36	252	0	0
	Tohono O'Odham Tribe	327	29	298	0	0
	White Mountain Apache	359	44	309	5	1
	Yavapai-Apache Nation	19	3	16	0	0
	Yavapai-Prescott Indian Tribe	4	0	3	1	0
	TOTAL	3,914	389	3,483	37	5
Resided off reservation	---in Maricopa County	1,596	155	1,429	12	0
	---in Pima County	204	14	190	0	0
	---in Coconino County	41	3	37	1	0
	---elsewhere in Arizona	415	32	379	4	0
	TOTAL	2,256	204	2,035	17	0

**4.17
WEIGHT AT BIRTH (2009 STATUS)**

		TOTAL BIRTHS	Weight at birth				
			<1,000 grams	1,000-1,499	1,500-2,499	2,500-3,999	4000+
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	32	25	339	5,220	554
Resided on reservation	Ak-Chin Indian Community	16	0	1	1	11	3
	Cocopah Tribe	9	0	0	0	9	0
	Colorado River Indian Tribe	21	0	0	3	15	3
	Fort McDowell Yavapai Nation	18	0	0	2	15	1
	Fort Mojave Indian Tribe	14	0	0	0	14	0
	Fort Yuma Quechan Tribe	16	0	0	0	12	4
	Gila River Indian Community	232	2	2	10	196	22
	Havasupai Tribe	8	0	0	0	8	0
	Hopi Tribe	136	0	1	9	125	1
	Hualapai Nation	23	0	0	1	21	1
	Navajo Nation	2,187	5	14	122	1,883	163
	Pascua Yaqui Tribe	117	1	1	9	99	7
	Salt River Pima-Maricopa Community	120	3	0	5	95	17
	San Carlos Apache Tribe	288	3	1	16	248	20
	Tohono O'Odham Tribe	327	2	1	20	274	30
	White Mountain Apache	359	4	0	34	294	27
	Yavapai-Apache Nation	19	0	0	0	17	2
	Yavapai-Prescott Indian Tribe	4	0	0	0	4	0
	TOTAL	3,914	20	21	232	3,340	301
Resided off reservation	---in Maricopa County	1,596	7	2	72	1,323	192
	---in Pima County	204	2	1	9	170	22
	---in Coconino County	41	1	0	2	35	3
	---elsewhere in Arizona	415	2	1	24	352	36
	TOTAL	2,256	12	4	107	1,880	253

4.18
ABNORMAL CONDITIONS OF THE NEWBORN (2009 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	6,170	424	3	9	3	15	9	33	38	7	350
Resided on reservation											
Ak-Chin Indian Community	16	3	0	0	0	0	0	0	0	0	3
Cocopah Tribe	9	0	0	0	0	0	0	0	0	0	0
Colorado River Indian Tribe	21	7	0	0	0	0	0	4	0	0	4
Fort McDowell Yavapai Nation	18	1	0	0	0	1	0	0	0	0	0
Fort Mojave Indian Tribe	14	0	0	0	0	0	0	0	0	0	0
Fort Yuma Quechan Tribe	16	1	0	0	0	0	0	0	0	0	1
Gila River Indian Community	232	12	0	0	0	1	0	0	0	1	10
Havasupai Tribe	8	0	0	0	0	0	0	0	0	0	0
Hopi Tribe	136	6	0	0	0	0	1	0	1	0	4
Hualapai Nation	23	0	0	0	0	0	0	0	0	0	0
Navajo Nation	2,187	124	2	4	1	3	7	13	24	1	87
Pascua Yaqui Tribe	117	4	0	0	0	0	0	1	0	0	4
Salt River Pima-Maricopa Community	120	4	0	0	0	1	0	0	0	0	4
San Carlos Apache Tribe	288	26	0	0	1	0	0	3	3	0	22
Tohono O'Odham Tribe	327	11	0	0	0	0	0	2	0	1	10
White Mountain Apache	359	102	1	4	1	0	0	2	3	2	97
Yavapai-Apache Nation	19	2	0	0	0	0	0	0	0	0	2
Yavapai-Prescott Indian Tribe	4	0	0	0	0	0	0	0	0	0	0
TOTAL	3,914	303	3	8	3	6	8	25	31	5	248
Resided off reservation											
---in Maricopa County	1,596	64	0	0	0	6	1	0	2	1	56
---in Pima County	204	18	0	1	0	2	0	6	0	0	14
---in Coconino County	41	1	0	0	0	0	0	0	0	1	0
---elsewhere in Arizona	415	38	0	0	0	1	0	2	5	0	32
TOTAL	2,256	121	0	1	0	9	1	8	7	2	102

4.19

CONGENITAL ANOMALIES / BIRTH DEFECTS (2009 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 atresia	Omphalocele/gastroschisis	Other gastrointestinal	Malformed genitalia	Renal agenesis	Other urogenital	Cleft lip/palate	Polydactyly/syndactyly/adactyly	Club foot	Diaphragmatic hernia	Other musculoskeletal	Down's syndrome	Other chromosomal	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		6,170	52	1	0	0	0	1	2	10	0	0	3	1	1	1	3	10	6	6	0	5	4	2	8
Resided on reservation	Ak-Chin Indian Community	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cocopah Tribe	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Colorado River Indian Tribe	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fort McDowell Yavapai Nation	18	0	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	14	0	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	16	0	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	232	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Havasupai Tribe	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hopi Tribe	136	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Hualapai Nation	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Navajo Nation	2,187	18	0	0	0	0	1	1	0	0	0	2	0	0	0	1	3	4	2	0	1	1	1	3
	Pascua Yaqui Tribe	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Salt River Pima-Maricopa Community	120	1	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	San Carlos Apache Tribe	288	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Tohono O'Odham Tribe	327	4	0	0	0	0	0	0	2	0	0	0	1	0	0	2	1	0	1	0	1	0	1	0
	White Mountain Apache	359	10	0	0	0	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0	2	1	0	2
	Yavapai-Apache Nation	19	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	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	3,914	37	0	0	0	0	1	2	8	0	0	2	1	1	0	3	7	5	3	0	4	3	2	5
Resided off reservation	---in Maricopa County	1,596	9	1	0	0	0	0	1	0	0	1	0	0	0	0	2	1	2	0	0	0	0	1	
	---in Pima County	204	4	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	2	
	---in Coconino County	41	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	415	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	
	TOTAL	2,256	15	1	0	0	0	0	0	2	0	0	1	0	0	1	0	3	1	3	0	1	1	0	3

4.20

CAUSES OF INFANT DEATHS AMONG AMERICAN INDIAN RESIDENTS, ARIZONA, 2009

	TOTAL STATE	Resided on reservation								Resided off reservation				
		Ak-chin Indian Community	Colorado River Indian Tribes	Gila River Indian Community	Navajo Nation	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	White Mountain Apache Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Total, all causes	52	1	1	2	12	4	3	5	28	9	3	2	10	24
Certain conditions originating in the perinatal period	19	1	0	0	2	4	2	1	10	6	2	0	1	9
Maternal complications	3	0	0	0	0	1	1	0	2	0	1	0	0	1
Complications of placenta, cord and membrane	1	0	0	0	0	1	0	0	1	0	0	0	0	0
Short gestation and low birth weight	3	0	0	0	0	1	0	0	1	2	0	0	0	2
Bacterial sepsis of newborn	2	0	0	0	1	0	0	1	2	0	0	0	0	0
Congenital malformations	13	0	1	0	5	0	0	0	6	2	1	0	4	7
of circulatory system	2	0	1	0	1	0	0	0	2	0	0	0	0	0
of brain, spinal cord or nervous system	3	0	0	0	1	0	0	0	1	1	0	0	1	2
other malformation	8	0	0	0	3	0	0	0	3	1	1	0	3	5
Sudden infant death syndrome	5	0	0	0	1	0	0	1	2	0	0	1	2	3
Accidents (unintentional injury)	2	0	0	0	1	0	0	1	2	0	0	0	0	0
Influenza and pneumonia	2	0	0	0	1	0	0	0	1	0	0	0	1	1
Diseases of the digestive system	2	0	0	0	1	0	0	1	2	0	0	0	0	0
Infectious and parasitic diseases	2	0	0	1	0	0	0	1	2	0	0	0	0	0
Diseases of the nervous system	1	0	0	0	0	0	1	0	1	0	0	0	0	0
Choked on food	1	0	0	0	0	0	0	1	1	0	0	0	0	0
Mechanical suffocation	1	0	0	0	1	0	0	0	1	0	0	0	0	0
Drug poisoning, undetermined intent	1	0	0	0	0	0	0	0	0	1	0	0	0	1

4.21
**COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2009**

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz
Total births		6,170	992	16	735	229	98	3	1,837	70	1,073	594	386	4	59	44	30
Mother's age group	<15	17	2	0	0	0	1	0	3	0	5	2	3	0	0	0	1
	15-17	394	52	0	42	27	11	0	109	3	75	34	32	1	6	0	2
	18-19	759	123	1	87	38	14	1	191	13	155	71	46	0	8	5	6
	20-24	2,035	281	7	253	88	29	1	630	19	347	192	137	1	17	24	9
	25-29	1,494	244	2	167	43	27	1	461	25	240	165	90	1	15	8	5
	30-34	898	155	4	103	19	10	0	288	8	151	95	48	0	8	3	6
	35-39	454	101	1	56	11	5	0	133	2	80	28	26	1	5	4	1
	40-44	113	33	1	26	3	1	0	21	0	17	7	4	0	0	0	0
	45+	5	0	0	1	0	0	0	1	0	3	0	0	0	0	0	0
Unknown	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Payee for births	AHCCCS	3,549	435	10	373	47	18	1	1,170	53	699	408	258	4	37	27	9
	IHS	1,599	379	0	304	168	74	0	188	0	308	92	55	0	10	4	17
	Private insurance	770	16	6	50	14	5	1	446	13	44	89	62	0	12	9	3
	Self	49	1	0	3	0	1	0	23	4	3	4	6	0	0	4	0
	Unknown	203	161	0	5	0	0	1	10	0	19	1	5	0	0	0	1
Mother's education	< 8	32	5	0	3	2	3	0	9	0	1	6	3	0	0	0	0
	8	138	9	1	5	10	2	0	44	1	22	19	19	0	2	3	1
	9-11	1,628	170	4	173	73	30	0	469	32	282	212	152	2	12	9	8
	12	2,437	456	5	321	107	48	3	577	22	492	219	127	2	22	22	14
	13-16	1,718	311	6	213	35	15	0	646	10	254	118	79	0	20	6	5
	17+	186	30	0	15	2	0	0	82	4	20	20	6	0	3	4	0
	Unknown	31	11	0	5	0	0	0	10	1	2	0	0	0	0	0	2
Marital status	Married	1,360	227	8	162	47	20	2	444	12	232	104	65	1	20	12	4
	Unmarried	4,746	753	8	568	179	77	1	1,375	57	837	475	316	3	39	32	26
	Other*	64	12	0	5	3	1	0	18	1	4	15	5	0	0	0	0
Weight gain	None	154	10	0	14	5	1	0	43	0	29	30	18	0	1	3	0
	1-15 pounds	1,138	249	1	120	48	17	0	287	10	230	103	45	0	5	6	17
	16-20 pounds	844	128	0	98	46	12	0	259	12	145	70	61	1	6	4	2
	21-24 pounds	478	105	1	53	11	2	1	135	4	88	57	16	0	1	3	1
	25-30 pounds	1,480	187	4	237	49	26	1	439	13	250	111	136	1	17	8	1
	31+ pounds	1,983	279	10	199	66	40	1	668	31	304	221	107	2	29	20	6
	Unknown	93	34	0	14	4	0	0	6	0	27	2	3	0	0	0	3
Substance use	Drinker, nonsmoker	59	9	0	4	4	2	0	12	1	13	11	3	0	0	0	0
	Smoker, nondrinker	130	11	2	6	2	2	0	55	6	11	22	9	0	3	0	1
	Smoker and drinker	29	4	0	3	2	2	0	7	0	4	7	0	0	0	0	0
	Nonsmoker and nondrinker	5,952	968	14	722	221	92	3	1,763	63	1,045	554	374	4	56	44	29

4.21
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2009

		Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz
Length of gestation	<37 weeks	593	88	0	72	28	12	0	186	7	92	52	45	0	5	4	2
	37-41 weeks	5,518	892	16	655	201	86	3	1,634	63	963	542	341	4	52	39	27
	42+ weeks	54	10	0	8	0	0	0	17	0	15	0	0	0	2	1	1
	Unknown	5	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Weight at birth	<1,000 grams	32	1	0	2	1	2	0	12	0	6	5	3	0	0	0	0
	1,000-1,499	25	5	0	4	0	1	0	3	0	6	3	3	0	0	0	0
	1,500-2,499	339	63	0	35	14	4	0	84	2	76	34	18	0	2	3	4
	2,500-3,999	5,220	851	16	637	202	82	3	1,520	62	912	494	326	4	52	36	23
	4000+	554	72	0	57	12	9	0	218	6	73	58	36	0	5	5	3
Prenatal care	No care	129	11	1	8	3	3	0	47	2	23	12	12	0	0	4	3
	1st trimester	4,073	565	11	568	93	58	3	1,291	54	656	390	301	3	38	23	19
	2nd trimester	1,496	284	3	135	101	26	0	386	12	300	157	60	1	13	11	7
	3rd trimester	458	130	1	22	32	11	0	113	2	85	35	13	0	7	6	1
	Unknown	14	2	0	2	0	0	0	0	0	9	0	0	0	1	0	0
Prenatal visits	No visits	129	11	1	8	3	3	0	47	2	23	12	12	0	0	4	3
	1-4 visits	531	99	1	60	27	34	1	126	7	112	45	13	0	1	3	2
	5-8 visits	1,689	287	1	158	81	39	1	468	9	343	184	74	1	19	17	7
	9-12 visits	2,693	413	2	359	89	18	1	866	32	415	214	232	3	29	12	8
	13+ visits	1,104	174	11	148	28	4	0	329	20	170	139	55	0	9	8	9
	Unknown	24	8	0	2	1	0	0	1	0	10	0	0	0	1	0	1
Newborn intensive care	Yes	293	41	0	12	11	7	0	110	3	53	30	16	0	2	5	3
	No	5,867	946	16	720	218	91	3	1,727	67	1,018	564	370	4	57	39	27
	Unknown	10	5	0	3	0	0	0	0	0	2	0	0	0	0	0	0
Obstetric procedures	Amniocentesis	50	3	0	10	2	0	0	26	0	6	1	2	0	0	0	0
	Electronic Fetal Monitoring	5,507	785	4	648	194	57	1	1,802	69	862	573	380	2	58	44	28
	Induction of labor	1,071	154	3	162	66	10	0	364	15	148	107	20	1	14	5	2
	Stimulation of labor	940	101	1	136	28	9	0	391	8	157	32	60	1	11	0	5
	Tocolysis	35	8	0	8	2	0	0	6	1	7	1	1	0	0	0	1
	Ultrasound	4,253	512	16	412	145	88	2	1,427	29	568	571	359	4	58	44	18
	Other	249	12	0	7	3	54	2	59	0	13	86	10	0	3	0	0
Method of delivery	Vaginal	4,635	786	12	575	167	64	2	1,315	51	841	458	273	2	40	26	23
	Vaginal after C-Section	103	31	0	15	3	0	0	30	0	15	7	1	0	0	0	1
	Primary C-Section	754	109	1	74	31	18	1	245	10	114	71	55	1	12	8	4
	Repeat C-Section	678	66	3	71	28	16	0	247	9	103	58	57	1	7	10	2
	Forceps	31	5	0	7	3	0	0	9	0	6	1	0	0	0	0	0
	Vacuum	111	11	0	13	12	3	0	24	3	25	9	8	0	1	1	1

4.21

**COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2009**

		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	2,583	373	8	229	76	33	1	944	9	385	365	125	2	23	4	6
	Anemia	443	65	0	23	14	2	1	250	1	46	14	26	0	1	0	0
	Cardiac disease	3	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0
	Lung disease	47	6	0	3	0	0	0	22	0	11	2	3	0	0	0	0
	Diabetes	507	75	0	58	12	9	0	171	1	85	61	31	0	3	0	1
	Genital herpes	40	2	1	5	2	0	0	15	0	4	5	5	0	1	0	0
	Hydramnios	113	17	1	14	2	1	0	30	0	9	34	4	0	1	0	0
	Hemoglobinopathy	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Chronic hypertension	97	17	1	16	2	4	0	25	1	16	11	1	0	2	1	0
	Pregnancy associated hypertension	342	69	0	35	16	3	0	113	0	62	25	15	0	2	1	1
	Eclampsia	81	11	0	8	3	2	0	10	1	14	28	2	0	2	0	0
	Previous infant 4000+g	52	11	0	6	2	0	0	21	0	7	1	1	0	3	0	0
	Previous SGA infant	62	13	0	11	2	0	0	20	0	13	2	1	0	0	0	0
	Renal disease	12	2	0	0	0	0	0	1	0	9	0	0	0	0	0	0
	RH sensitization	5	1	0	0	0	0	0	3	0	1	0	0	0	0	0	0
	Uterine bleeding	19	4	0	5	0	0	0	5	0	4	0	1	0	0	0	0
	Incompetent cervix	3	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0
Other	1,583	170	7	108	49	28	0	628	6	193	297	74	2	14	2	5	
Abnormal conditions of the newborn	Total	424	76	0	24	12	15	1	75	3	136	31	28	1	9	5	8
	Anemia	3	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0
	Birth injury	9	1	0	1	0	0	0	0	0	6	1	0	0	0	0	0
	Fetal Alcohol Syndrome	3	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0
	Membrane disease	15	1	0	1	0	0	0	8	0	1	2	2	0	0	0	0
	Meconium aspiration	9	4	0	1	0	0	0	1	0	3	0	0	0	0	0	0
	Assisted vent. <30 min	33	7	0	4	1	2	0	0	2	4	9	0	0	0	0	4
	Assisted vent. >30 min.	38	19	0	2	3	0	0	2	0	8	0	0	0	0	4	0
	Newborn seizures	7	0	0	1	0	0	0	1	0	3	1	1	0	0	0	0
Other	350	52	0	17	9	14	1	66	1	121	26	25	1	9	3	5	
Births with congenital anomalies	Total	52	8	0	6	1	0	0	11	1	15	8	2	0	0	0	0
	Anencephalus	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Spina bifida/meningocele	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hydrocephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Microcephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other CNS anomaly	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	Heart malformations	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Other respiratory/circulatory	10	1	0	0	0	0	0	3	0	3	3	0	0	0	0	0
	Rectal atresia/stenosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

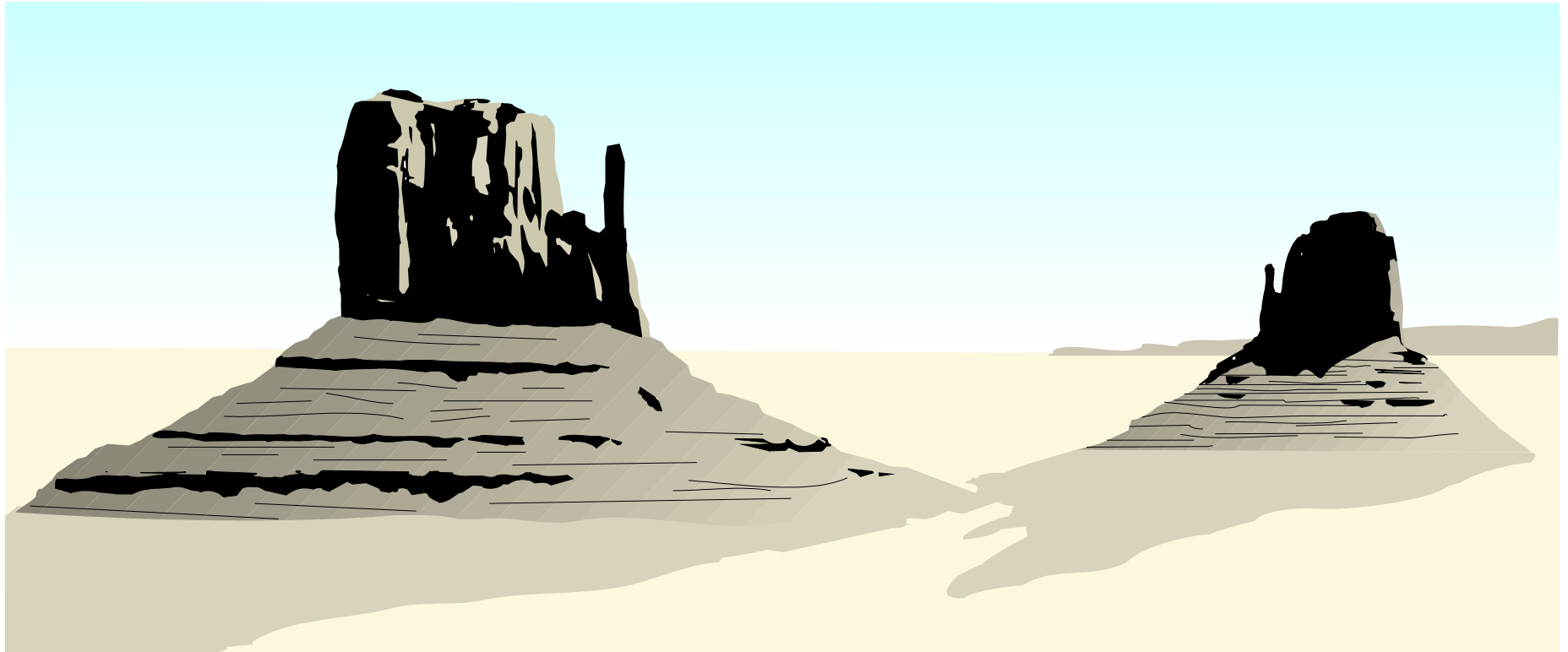
4.21

COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY COUNTY OF RESIDENCE, ARIZONA, 2009

	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	2	0	0	0	1	0	0	0	0	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	0	0	0	1	0	0	0	0	0	
Other urogenital	3	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	
Cleft lip/palate	10	3	0	1	0	0	0	2	0	1	2	1	0	0	0	0	
Polydactyly/syndactyly/adactyly	6	2	0	1	1	0	0	1	0	1	0	0	0	0	0	0	
Club foot	6	0	0	2	0	0	0	2	0	0	2	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	5	1	0	0	0	0	0	0	1	2	1	0	0	0	0	0	
Down's syndrome	4	1	0	0	0	0	0	0	0	2	0	1	0	0	0	0	
Other chromosomal	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Other	8	0	0	0	0	0	0	1	0	5	2	0	0	0	0	0	
Births with complications	Total	1,641	297	5	146	56	36	1	553	10	237	194	62	4	22	13	5
	Febrile	140	22	0	17	2	0	0	67	0	20	5	6	0	1	0	0
	Meconium	233	35	0	20	2	1	0	100	3	25	38	4	2	1	2	0
	Rupture of membrane	169	42	0	20	5	1	0	51	0	33	9	5	0	2	0	1
	Abruptio placenta	31	7	0	4	1	0	0	8	0	5	4	1	0	0	0	1
	Placenta previa	15	3	0	2	0	0	0	1	0	5	2	2	0	0	0	0
	Other bleeding	76	18	0	21	4	0	0	20	0	11	1	0	0	1	0	0
	Seizures	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
	Precipitous labor	114	24	0	19	7	3	0	33	1	21	4	1	0	0	1	0
	Prolonged labor	74	20	1	11	1	0	0	22	0	12	7	0	0	0	0	0
	Dysfunctional labor	153	28	0	27	1	0	0	55	1	34	1	2	0	4	0	0
	Breech malpresentation	126	26	0	10	8	3	0	37	1	20	8	9	0	3	1	0
	Cephalopelvic disproportion.	25	0	0	3	1	2	0	11	2	5	0	0	0	1	0	0
	Cord prolapse	6	4	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	Anesthetic complications	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fetal distress	246	36	0	28	4	6	1	103	0	32	14	15	0	2	2	3
	Other	706	95	4	45	30	25	0	220	3	91	133	33	3	15	7	2
Infant mortality**	Total	52	9	0	3	2	1	0	13	1	7	3	8	0	0	2	1
	Neonatal	26	3	0	1	1	1	0	11	1	2	3	2	0	0	0	0
	Postneonatal	26	6	0	2	1	0	0	2	0	5	0	6	0	0	2	1

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

**Total infant mortality includes unknown county of residence.



V.
**PATTERNS OF MORTALITY AMONG AMERICAN INDIANS
BY PLACE OF RESIDENCE IN ARIZONA
IN 2009**



AGE-SPECIFIC MORTALITY

5.1
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIANS IN 2009

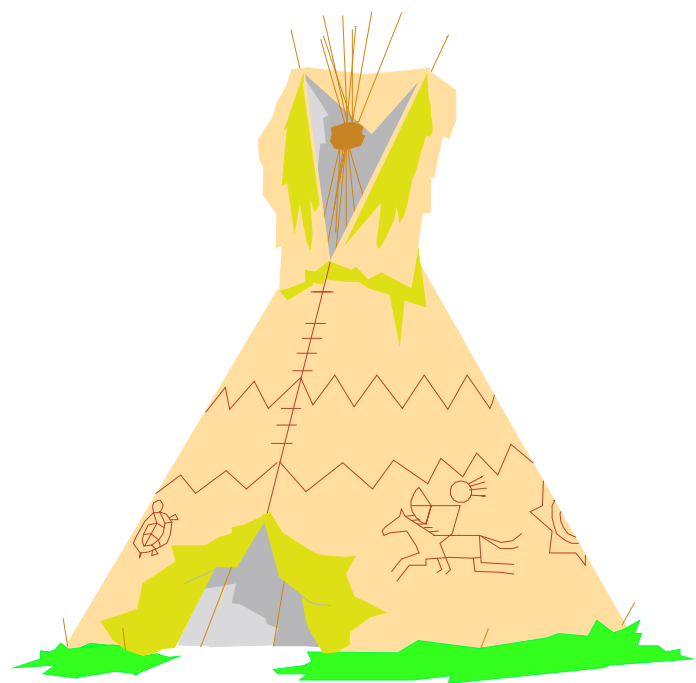
		TOTAL	Age group											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		1,871	52	17	15	108	144	215	270	253	281	272	243	1
Resided on reservation	Ak-Chin Indian Community	3	1	0	0	0	0	0	2	0	0	0	0	0
	Cocopah Tribe	6	0	0	0	0	0	2	0	2	2	0	0	0
	Colorado River Indian Tribe	18	1	0	0	1	1	1	4	2	4	3	1	0
	Fort McDowell Yavapai Nation	6	0	0	0	0	1	1	1	1	2	0	0	0
	Fort Mojave Indian Tribe	2	0	0	0	0	0	0	0	1	1	0	0	0
	Gila River Indian Community	64	2	0	0	6	6	13	12	7	6	6	6	0
	Havasupai Tribe	3	0	0	0	0	1	0	1	0	1	0	0	0
	Hopi Tribe	87	0	0	1	5	4	12	15	10	12	16	12	0
	Hualapai Nation	19	0	0	0	1	1	3	5	3	4	2	0	0
	Navajo Nation	601	12	5	3	35	45	49	66	76	90	99	121	0
	Pascua Yaqui Tribe	24	0	0	0	1	2	3	4	2	7	4	1	0
	Salt River Pima-Maricopa Community	52	4	0	1	3	5	10	7	5	9	7	1	0
	San Carlos Apache Tribe	87	3	2	2	4	9	6	9	15	16	14	7	0
	Tohono O'Odham Tribe	125	0	2	0	7	7	20	11	26	21	14	17	0
	White Mountain Apache Tribe	100	5	0	3	13	10	16	15	8	10	12	8	0
Yavapai-Apache Nation	6	0	0	0	0	0	1	1	1	1	0	2	0	
	TOTAL	1,203	28	9	10	76	92	137	153	159	186	177	176	0
Resided off reservation	---in Maricopa County	248	9	1	4	10	16	33	49	35	36	33	22	0
	---in Pima County	120	3	1	1	7	13	10	30	17	15	17	6	0
	---in Coconino County	55	2	2	0	2	6	8	7	9	9	4	6	0
	---elsewhere in Arizona	245	10	4	0	13	17	27	31	33	35	41	33	1
		TOTAL	668	24	8	5	32	52	78	117	94	95	95	67

5.2
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN MALES IN 2009

		TOTAL	Age group											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		1,028	28	10	7	80	102	142	152	147	134	138	87	1
Resided on reservation	Ak-Chin Indian Community	1	1	0	0	0	0	0	0	0	0	0	0	0
	Cocopah Tribe	5	0	0	0	0	0	2	0	2	1	0	0	0
	Colorado River Indian Tribe	11	0	0	0	1	0	1	1	2	3	2	1	0
	Fort McDowell Yavapai Nation	4	0	0	0	0	1	0	1	1	1	0	0	0
	Fort Mojave Indian Tribe	1	0	0	0	0	0	0	0	0	1	0	0	0
	Gila River Indian Community	25	1	0	0	3	1	7	8	1	1	3	0	0
	Havasupai Tribe	2	0	0	0	0	1	0	0	0	1	0	0	0
	Hopi Tribe	38	0	0	0	3	4	7	8	5	4	4	3	0
	Hualapai Nation	11	0	0	0	1	1	2	3	1	2	1	0	0
	Navajo Nation	344	5	4	2	31	32	32	40	50	48	56	44	0
	Pascua Yaqui Tribe	14	0	0	0	1	1	2	3	2	3	1	1	0
	Salt River Pima-Maricopa Community	28	3	0	0	2	4	8	2	2	3	3	1	0
	San Carlos Apache Tribe	45	1	1	0	3	6	4	5	7	7	8	3	0
	Tohono O'Odham Tribe	63	0	0	0	5	4	18	4	15	7	6	4	0
	White Mountain Apache Tribe	55	2	0	2	8	7	11	8	5	4	5	3	0
	Yavapai-Apache Nation	4	0	0	0	0	0	0	1	1	1	0	1	0
	TOTAL	651	13	5	4	58	62	94	84	94	87	89	61	0
Resided off reservation	---in Maricopa County	137	5	1	3	6	12	19	32	20	15	17	7	0
	---in Pima County	69	2	0	0	7	8	6	20	8	5	11	2	0
	---in Coconino County	30	2	1	0	2	4	5	2	6	7	0	1	0
	---elsewhere in Arizona	141	6	3	0	7	16	18	14	19	20	21	16	1
		TOTAL	377	15	5	3	22	40	48	68	53	47	49	26

5.3
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN FEMALES IN 2009

		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		843	24	7	8	28	42	73	118	106	147	134	156
Resided on reservation	Ak-Chin Indian Community	2	0	0	0	0	0	0	2	0	0	0	0
	Cocopah Tribe	1	0	0	0	0	0	0	0	0	1	0	0
	Colorado River Indian Tribe	7	1	0	0	0	1	0	3	0	1	1	0
	Fort McDowell Yavapai Nation	2	0	0	0	0	0	1	0	0	1	0	0
	Fort Mojave Indian Tribe	1	0	0	0	0	0	0	0	1	0	0	0
	Gila River Indian Community	39	1	0	0	3	5	6	4	6	5	3	6
	Havasupai Tribe	1	0	0	0	0	0	0	1	0	0	0	0
	Hopi Tribe	49	0	0	1	2	0	5	7	5	8	12	9
	Hualapai Nation	8	0	0	0	0	0	1	2	2	2	1	0
	Navajo Nation	257	7	1	1	4	13	17	26	26	42	43	77
	Pascua Yaqui Tribe	10	0	0	0	0	1	1	1	0	4	3	0
	Salt River Pima-Maricopa Community	24	1	0	1	1	1	2	5	3	6	4	0
	San Carlos Apache Tribe	42	2	1	2	1	3	2	4	8	9	6	4
	Tohono O'Odham Tribe	62	0	2	0	2	3	2	7	11	14	8	13
	White Mountain Apache Tribe	45	3	0	1	5	3	5	7	3	6	7	5
Yavapai-Apache Nation	2	0	0	0	0	0	1	0	0	0	0	1	
	TOTAL	552	15	4	6	18	30	43	69	65	99	88	115
Resided off reservation	---in Maricopa County	111	4	0	1	4	4	14	17	15	21	16	15
	---in Pima County	51	1	1	1	0	5	4	10	9	10	6	4
	---in Coconino County	25	0	1	0	0	2	3	5	3	2	4	5
	---elsewhere in Arizona	104	4	1	0	6	1	9	17	14	15	20	17
		TOTAL	291	9	3	2	10	12	30	49	41	48	46



CAUSE-SPECIFIC MORTALITY

5.4

DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Total, all causes	1,871	1,028	843
Salmonella infections	0	0	0
Shigellosis and amebiasis	0	0	0
Certain other intestinal infections	12	7	5
Tuberculosis	2	2	0
Respiratory tuberculosis	2	2	0
Other tuberculosis	0	0	0
Whooping cough	0	0	0
Scarlet fever and erysipelas	0	0	0
Meningococcal infection	0	0	0
Septicemia	63	27	36
Syphilis	0	0	0
Acute poliomyelitis	0	0	0
Arthropod-borne encephalitis	0	0	0
Measles	0	0	0
Viral hepatitis	10	6	4
Human immunodeficiency virus (HIV) disease	10	8	2
Malaria	0	0	0
Other and unspecified infectious and parasitic diseases	13	5	8
Malignant neoplasms	241	117	124
Malignant neoplasm of lip, oral cavity and pharynx	1	1	0
Malignant neoplasm of esophagus	10	7	3
Malignant neoplasm of stomach	14	10	4
Malignant neoplasm of colon, rectum and anus	20	8	12
Malignant neoplasm of liver and intrahepatic bile ducts	19	11	8
Malignant neoplasm of pancreas	13	6	7
Malignant neoplasm of larynx	1	1	0
Malignant neoplasm of trachea, bronchus and lung	21	6	15
Malignant melanoma of skin	0	0	0
Malignant neoplasm of breast	15	0	15
Malignant neoplasm of cervix uteri	6	0	6
Malignant neoplasm of corpus uteri and uterus, part unspecified	5	0	5
Malignant neoplasm of ovary	12	0	12
Malignant neoplasm of prostate	12	12	0
Malignant neoplasm of kidney and renal pelvis	15	12	3
Malignant neoplasm of bladder	1	1	0

5.4 (continued)
DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Malignant neoplasm of meninges, brain and other parts of CNS	5	5	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	18	8	10
Hodgkin's disease	0	0	0
Non-Hodgkin's lymphoma	6	3	3
Leukemia	4	1	3
Multiple myeloma and immunoproliferative neoplasms	8	4	4
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0
All other and unspecified malignant neoplasm	53	29	24
In situ neoplasms	6	2	4
Anemias	2	0	2
Diabetes	107	43	64
Nutritional deficiencies	3	2	1
Malnutrition	3	2	1
Other nutritional deficiencies	0	0	0
Meningitis	1	0	1
Parkinson's disease	11	4	7
Alzheimer's disease	18	5	13
Major cardiovascular diseases	320	177	143
Diseases of heart	249	138	111
Acute rheumatic fever and chronic rheumatic heart disease	1	0	1
Hypertensive heart disease	16	9	7
Hypertensive heart and renal disease	0	0	0
Ischemic heart disease	170	95	75
Acute myocardial infarction	52	28	24
Other acute ischemic heart disease	1	1	0
Other forms of chronic ischemic heart disease	117	66	51
Atherosclerotic cardiovascular disease	43	29	14
All other forms of chronic ischemic heart disease	74	37	37
Other heart diseases	62	34	28
Acute and subacute endocarditis	0	0	0
Diseases of pericardium and acute myocarditis	1	0	1
Heart failure	10	6	4
All other forms of heart disease	51	28	23
Essential (primary) hypertension and hypertensive renal disease	15	11	4
Cerebrovascular diseases	44	23	21

5.4 (continued)
DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	TOTAL	MALE	FEMALE
Atherosclerosis	6	3	3
Other diseases of circulatory system	6	2	4
Aortic aneurysm and dissection	0	0	0
Other disease of arteries, arterioles and capillaries	6	2	4
Other disorders of circulatory system	3	2	1
Influenza and pneumonia	89	38	51
Influenza	7	3	4
Pneumonia	82	35	47
Other acute lower respiratory infections	1	0	1
Acute bronchiolitis	0	0	0
Unspecified acute lower respiratory infection	1	0	1
Chronic lower respiratory diseases	33	21	12
Bronchitis, chronic and unspecified	0	0	0
Emphysema	4	4	0
Asthma	2	0	2
Other chronic lower respiratory diseases	27	17	10
Pneumoconioses and chemical effects	3	3	0
Pneumonitis due to solids and liquids	21	13	8
Other disease of respiratory system	37	18	19
Peptic ulcer	0	0	0
Diseases of appendix	1	1	0
Hernia	2	1	1
Chronic liver disease and cirrhosis	147	76	71
Alcoholic liver disease	115	57	58
Other chronic liver disease and cirrhosis	32	19	13
Cholelithiasis and other disorders of gallbladder	3	1	2
Nephritis, nephrotic syndrome and nephrosis	39	14	25
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0
Chronic glomerulonephritis	2	1	1
Renal failure	37	13	24
Others disorders of kidney	0	0	0
Infections of kidney	0	0	0
Hyperplasia of prostate	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0
Pregnancy, childbirth and the puerperium	1	0	1

5.4 (continued)
DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

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	1	0	1
Perinatal conditions	19	13	6
Congenital anomalies, deformations and chromosomal abnormalities	21	9	12
Symptoms, signs, abnormal findings	29	23	6
Total accidents	276	205	71
Transport accidents	138	97	41
Motor vehicle accidents	125	86	39
Other land transport accidents	9	7	2
Water, air, space	4	4	0
Nontransport accidents	138	108	30
Falls	29	19	10
Accidental discharge of firearms	1	1	0
Accidental drowning and submersion	12	10	2
Accidental exposure to smoke, fire and flames	4	3	1
Accidental poisoning	59	49	10
Other and unspecified nontransport accidents	33	26	7
Intentional self-harm (suicide)	56	38	18
By discharge of firearms	8	7	1
By other means	48	31	17
Assault (homicide)	47	33	14
By discharge of firearms	19	14	5
By other means	28	19	9
Legal intervention	2	2	0
Events of undetermined intent	17	15	2
Discharge of firearms	1	1	0
Other and unspecified events of undetermined intent	16	14	2
Operations of war	0	0	0
Complications of medical and surgical care	4	1	3
INJURY BY FIREARMS	31	25	6
DRUG-INDUCED DEATHS	42	29	13
ALCOHOL-INDUCED DEATHS	176	111	65

5.5

DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

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+	Unknown
Total, all causes	1,871	52	17	15	108	144	215	270	253	281	272	243	1
Salmonella infections	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
Certain other intestinal infections	12	1	0	0	0	0	1	2	1	4	2	1	0
Tuberculosis	2	0	0	0	0	0	0	0	1	1	0	0	0
Respiratory tuberculosis	2	0	0	0	0	0	0	0	1	1	0	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	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
Septicemia	63	1	0	2	1	3	5	4	7	16	17	7	0
Syphilis	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
Arthropod-borne encephalitis	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
Viral hepatitis	10	0	0	0	0	0	2	7	0	1	0	0	0
Human immunodeficiency virus (HIV) disease	10	0	0	0	0	2	3	3	1	0	1	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	13	0	0	1	1	0	1	3	3	2	1	1	0
Malignant neoplasms	241	0	0	1	3	7	17	37	48	67	36	25	0
Malignant neoplasm of lip, oral cavity and pharynx	1	0	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasm of esophagus	10	0	0	0	0	0	0	4	3	2	1	0	0
Malignant neoplasm of stomach	14	0	0	0	0	0	2	0	4	3	5	0	0
Malignant neoplasm of colon, rectum and anus	20	0	0	0	0	3	2	4	3	5	1	2	0
Malignant neoplasm of liver and intrahepatic bile ducts	19	0	0	0	0	0	0	3	3	9	3	1	0
Malignant neoplasm of pancreas	13	0	0	0	0	0	0	0	3	7	3	0	0
Malignant neoplasm of larynx	1	0	0	0	0	0	0	0	0	1	0	0	0
Malignant neoplasm of trachea, bronchus and lung	21	0	0	0	0	0	0	3	7	6	5	0	0
Malignant melanoma of skin	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of breast	15	0	0	0	0	0	3	1	5	5	0	1	0
Malignant neoplasm of cervix uteri	6	0	0	0	1	0	2	2	0	0	0	1	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	5	0	0	0	0	0	1	2	1	0	1	0	0
Malignant neoplasm of ovary	12	0	0	0	0	0	0	2	2	3	3	2	0
Malignant neoplasm of prostate	12	0	0	0	0	0	0	0	2	4	3	3	0

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

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+	Unknown
Malignant neoplasm of kidney and renal pelvis	15	0	0	0	1	0	0	4	4	3	1	2	0
Malignant neoplasm of bladder	1	0	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasm of meninges, brain and other parts of CNS	5	0	0	0	1	0	1	1	1	1	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	18	0	0	0	0	1	0	3	4	7	1	2	0
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	6	0	0	0	0	1	0	0	1	2	1	1	0
Leukemia	4	0	0	0	0	0	0	1	1	2	0	0	0
Multiple myeloma and immunoproliferative neoplasms	8	0	0	0	0	0	0	2	2	3	0	1	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	53	0	0	1	0	3	6	8	6	11	9	9	0
In situ neoplasms	6	1	0	1	0	0	0	0	1	2	0	1	0
Anemias	2	0	0	0	0	0	0	0	0	0	0	2	0
Diabetes	107	0	0	0	0	4	8	16	13	26	33	7	0
Nutritional deficiencies	3	0	0	0	0	0	0	0	0	2	0	1	0
Malnutrition	3	0	0	0	0	0	0	0	0	2	0	1	0
Other nutritional deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis	1	1	0	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	11	0	0	0	0	0	0	0	1	1	4	5	0
Alzheimer's disease	18	0	0	0	0	0	0	0	2	2	5	9	0
Major cardiovascular diseases	320	2	0	0	4	4	22	33	54	63	72	66	0
Diseases of heart	249	2	0	0	3	3	19	29	46	44	56	47	0
Acute rheumatic fever and chronic rheumatic heart disease	1	0	0	0	0	0	0	1	0	0	0	0	0
Hypertensive heart disease	16	0	0	0	1	0	2	4	3	1	2	3	0
Hypertensive heart and renal disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease	170	0	0	0	0	0	10	20	35	35	41	29	0
Acute myocardial infarction	52	0	0	0	0	0	2	7	10	11	12	10	0
Other acute ischemic heart disease	1	0	0	0	0	0	0	1	0	0	0	0	0
Other forms of chronic ischemic heart disease	117	0	0	0	0	0	8	12	25	24	29	19	0
Atherosclerotic cardiovascular disease	43	0	0	0	0	0	3	8	10	11	10	1	0
All other forms of chronic ischemic heart disease	74	0	0	0	0	0	5	4	15	13	19	18	0
Other heart diseases	62	2	0	0	2	3	7	4	8	8	13	15	0
Acute and subacute endocarditis	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of pericardium and acute myocarditis	1	0	0	0	1	0	0	0	0	0	0	0	0
Heart failure	10	0	0	0	0	1	0	0	0	0	6	3	0
All other forms of heart disease	51	2	0	0	1	2	7	4	8	8	7	12	0

5.5 (continued)
DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

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+	Unknown
Essential (primary) hypertension and hypertensive renal disease	15	0	0	0	0	1	1	0	4	6	1	2	0
Cerebrovascular diseases	44	0	0	0	0	0	2	4	3	10	12	13	0
Atherosclerosis	6	0	0	0	0	0	0	0	1	2	2	1	0
Other diseases of circulatory system	6	0	0	0	1	0	0	0	0	1	1	3	0
Aortic aneurysm and dissection	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	6	0	0	0	1	0	0	0	0	1	1	3	0
Other disorders of circulatory system	3	0	0	0	1	0	0	0	1	1	0	0	0
Influenza and pneumonia	89	2	1	0	5	3	9	11	11	11	15	21	0
Influenza	7	0	1	0	1	1	2	1	0	1	0	0	0
Pneumonia	82	2	0	0	4	2	7	10	11	10	15	21	0
Other acute lower respiratory infections	1	0	0	0	0	0	0	0	1	0	0	0	0
Acute bronchiolitis	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified acute lower respiratory infection	1	0	0	0	0	0	0	0	1	0	0	0	0
Chronic lower respiratory diseases	33	0	0	1	0	0	0	0	3	8	11	10	0
Bronchitis, chronic and unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0
Emphysema	4	0	0	0	0	0	0	0	1	2	1	0	0
Asthma	2	0	0	0	0	0	0	0	1	0	1	0	0
Other chronic lower respiratory diseases	27	0	0	1	0	0	0	0	1	6	9	10	0
Pneumoconioses and chemical effects	3	0	0	0	0	0	0	0	0	0	2	1	0
Pneumonitis due to solids and liquids	21	0	0	0	1	1	0	0	3	3	6	7	0
Other disease of respiratory system	37	0	0	1	1	1	1	3	5	7	10	8	0
Peptic ulcer	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of appendix	1	0	0	0	0	0	0	0	0	1	0	0	0
Hernia	2	0	0	0	0	0	0	0	0	1	1	0	0
Chronic liver disease and cirrhosis	147	0	0	0	1	12	42	52	29	5	5	1	0
Alcoholic liver disease	115	0	0	0	1	11	33	43	25	1	1	0	0
Other chronic liver disease and cirrhosis	32	0	0	0	0	1	9	9	4	4	4	1	0
Cholelithiasis and other disorders of gallbladder	3	0	0	0	0	0	0	0	0	1	1	1	0
Nephritis, nephrotic syndrome and nephrosis	39	0	0	0	0	1	3	4	5	13	7	6	0
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	2	0	0	0	0	0	0	0	0	1	0	1	0
Renal failure	37	0	0	0	0	1	3	4	5	12	7	5	0
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasia of prostate	0	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, 2009

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+	Unknown
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	1	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
Other complications of pregnancy, childbirth and the puerperium	1	0	0	0	0	1	0	0	0	0	0	0	0
Perinatal conditions	19	19	0	0	0	0	0	0	0	0	0	0	0
Congenital anomalies, deformations and chromosomal abnormalities	21	13	3	1	1	1	0	1	0	0	0	0	1
Symptoms, signs, abnormal findings	29	6	0	0	1	4	4	1	1	1	2	9	0
Total accidents	276	2	9	4	52	55	48	44	25	12	12	13	0
Transport accidents	138	0	6	2	33	35	22	20	12	5	1	2	0
Motor vehicle accidents	125	0	6	2	32	32	20	16	11	3	1	2	0
Other land transport accidents	9	0	0	0	0	3	2	2	1	1	0	0	0
Water, air, space	4	0	0	0	1	0	0	2	0	1	0	0	0
Nontransport accidents	138	2	3	2	19	20	26	24	13	7	11	11	0
Falls	29	0	0	1	0	0	2	3	5	2	7	9	0
Accidental discharge of firearms	1	0	0	0	0	1	0	0	0	0	0	0	0
Accidental drowning and submersion	12	0	2	0	2	3	3	1	0	0	1	0	0
Accidental exposure to smoke, fire and flames	4	0	0	0	2	1	0	1	0	0	0	0	0
Accidental poisoning	59	0	1	0	9	10	17	16	4	2	0	0	0
Other and unspecified nontransport accidents	33	2	0	1	6	5	4	3	4	3	3	2	0
Intentional self-harm (suicide)	56	0	0	1	18	14	12	8	2	1	0	0	0
By discharge of firearms	8	0	0	0	3	2	1	2	0	0	0	0	0
By other means	48	0	0	1	15	12	11	6	2	1	0	0	0
Assault (homicide)	47	0	1	1	14	13	8	8	1	1	0	0	0
By discharge of firearms	19	0	0	0	7	6	2	4	0	0	0	0	0
By other means	28	0	1	1	7	7	6	4	1	1	0	0	0
Legal intervention	2	0	0	0	0	2	0	0	0	0	0	0	0
Events of undetermined intent	17	1	0	0	2	3	10	0	0	1	0	0	0
Discharge of firearms	1	0	0	0	1	0	0	0	0	0	0	0	0
Other and unspecified events of undetermined intent	16	1	0	0	1	3	10	0	0	1	0	0	0
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	4	0	0	0	0	1	0	0	1	1	1	0	0
INJURY BY FIREARMS	31	0	0	0	11	11	3	6	0	0	0	0	0
DRUG-INDUCED DEATHS	42	1	0	0	4	11	15	10	1	0	0	0	0
ALCOHOL-INDUCED DEATHS	176	0	0	0	6	19	42	61	38	8	1	1	0

5.6

DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL-AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																Resided off reservation					
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribes	Fort McDowell Yavapai Nation	Fort Mohave 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, all causes	1,871	3	6	18	6	2	64	3	87	19	601	24	52	87	125	100	6	1,203	248	120	55	245	668
Salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	12	0	0	0	0	0	1	0	0	0	6	0	1	0	2	0	0	10	0	1	0	1	2
Tuberculosis	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1
Respiratory tuberculosis	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	63	0	1	1	0	0	2	0	5	1	25	0	2	3	6	2	0	48	11	0	1	3	15
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	10	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	2	3	0	3	8
Human immunodeficiency virus (HIV) disease	10	0	0	0	1	0	0	0	0	0	5	0	0	0	0	0	0	6	1	0	1	2	4
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	13	0	0	0	0	0	1	0	0	0	3	0	0	0	4	1	0	9	2	0	0	2	4
Malignant neoplasms	241	1	0	3	0	0	6	1	13	2	72	2	6	7	17	5	0	135	43	26	5	32	106
Malignant neoplasm of lip, oral cavity and pharynx	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Malignant neoplasm of esophagus	10	0	0	0	0	0	0	0	0	0	2	0	1	0	4	1	0	8	1	0	0	1	2
Malignant neoplasm of stomach	14	0	0	0	0	0	1	0	0	0	5	0	0	1	1	0	0	8	3	2	0	1	6
Malignant neoplasm of colon, rectum and anus	20	0	0	1	0	0	1	0	0	0	5	0	0	0	0	0	0	7	3	4	1	5	13
Malignant neoplasm of liver and intrahepatic bile ducts	19	0	0	0	0	0	0	0	3	2	5	0	0	2	2	0	0	14	4	1	0	0	5
Malignant neoplasm of pancreas	13	0	0	0	0	0	0	0	1	0	7	0	1	0	1	0	0	10	1	0	0	2	3
Malignant neoplasm of larynx	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	21	0	0	0	0	0	0	0	0	0	3	0	0	3	1	0	0	7	10	2	0	2	14
Malignant melanoma of skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of breast	15	0	0	0	0	0	1	0	0	0	6	0	1	0	0	1	0	9	3	0	1	2	6
Malignant neoplasm of cervix uteri	6	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	4	1	1	0	0	2
Malignant neoplasm of corpus uteri and uterus, part unspecified	5	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	1	0	1	1	3
Malignant neoplasm of ovary	12	0	0	0	0	0	0	0	2	0	4	0	0	0	3	0	0	9	0	2	0	1	3
Malignant neoplasm of prostate	12	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1	0	4	1	2	0	5	8
Malignant neoplasm of kidney and renal pelvis	15	0	0	0	0	0	1	0	1	0	3	0	1	0	2	1	0	9	0	3	0	3	6

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL-AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation				
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribes	Fort McDowell Yavapai Nation	Fort Mohave 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'odhamTribe	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Malignant neoplasm of meninges, brain and other parts of CNS	5	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	2	0	0	0	2
Malignant neoplasm of lymphoid, hematopoietic and related tissue	18	1	0	0	0	1	0	0	0	5	0	0	0	0	1	0	8	2	5	1	2	10	
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	6	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0	1	1	1	3	
Leukemia	4	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	1	1	0	0	2	
Multiple myeloma and immunoproliferative neoplasms	8	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	3	1	3	0	1	5	
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
All other and unspecified malignant neoplasm	53	0	0	2	0	0	1	5	0	18	1	0	1	3	0	0	31	10	4	1	7	22	
In situ neoplasms	6	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	2	0	0	1	3	
Anemias	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	0	0	0	0	
Diabetes	107	0	0	2	2	8	0	2	4	18	6	7	6	10	5	1	71	11	7	0	18	36	
Nutritional deficiencies	3	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	3	0	0	0	0	0	
Malnutrition	3	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	3	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	
Meningitis	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
Parkinson's disease	11	0	1	0	0	0	0	2	0	6	0	0	0	0	0	0	9	0	0	0	2	2	
Alzheimer's disease	18	0	0	0	0	2	0	0	0	4	0	1	1	0	1	1	10	4	1	0	3	8	
Major cardiovascular diseases	320	1	0	4	1	8	0	14	5	102	3	7	15	17	18	2	197	44	14	14	51	123	
Diseases of heart	249	1	0	4	1	8	0	11	4	77	2	5	13	10	12	2	150	36	11	11	41	99	
Acute rheumatic fever and chronic rheumatic heart disease	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Hypertensive heart disease	16	0	0	0	0	3	0	0	1	2	0	0	1	0	1	0	8	2	1	0	5	8	
Hypertensive heart and renal disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ischemic heart disease	170	1	0	3	1	3	0	8	3	52	2	3	5	9	6	1	97	27	8	10	28	73	
Acute myocardial infarction	52	1	0	2	0	0	0	3	2	18	1	0	2	4	3	0	36	3	1	3	9	16	
Other acute ischemic heart disease	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Other forms of chronic ischemic heart disease	117	0	0	1	1	3	0	4	1	34	1	3	3	5	3	1	60	24	7	7	19	57	
Atherosclerotic cardiovascular disease	43	0	0	0	1	1	0	2	0	11	1	3	0	1	1	1	22	9	3	2	7	21	
All other forms of chronic ischemic heart disease	74	0	0	1	0	2	0	2	1	23	0	0	3	4	2	0	38	15	4	5	12	36	
Other heart diseases	62	0	0	1	0	2	0	3	0	23	0	2	7	1	5	1	45	7	2	1	7	17	
Acute and subacute endocarditis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diseases of pericardium and acute myocarditis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Heart failure	10	0	0	0	0	0	0	0	0	5	0	0	1	0	1	1	8	1	0	0	1	2	
All other forms of heart disease	51	0	0	1	0	2	0	3	0	18	0	2	6	1	4	0	37	5	2	1	6	14	

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL-AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation				
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribes	Fort McDowell Yavapai Nation	Fort Mohave 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	15	0	0	0	0	0	0	0	0	1	7	0	1	0	0	2	0	11	2	0	0	2	4
Cerebrovascular diseases	44	0	0	0	0	0	0	0	3	0	14	0	1	2	5	2	0	27	5	3	3	6	17
Atherosclerosis	6	0	0	0	0	0	0	0	0	0	2	1	0	0	2	0	0	5	0	0	0	1	1
Other diseases of circulatory system	6	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	4	1	0	0	1	2
Aortic aneurysm and dissection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	6	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	4	1	0	0	1	2
Other disorders of circulatory system	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	2
Influenza and pneumonia	89	0	1	0	0	0	2	0	5	0	30	0	2	8	5	5	0	58	12	1	4	14	31
Influenza	7	0	0	0	0	0	0	0	1	0	2	0	1	1	0	0	0	5	1	0	0	1	2
Pneumonia	82	0	1	0	0	0	2	0	4	0	28	0	1	7	5	5	0	53	11	1	4	13	29
Other acute lower respiratory infections	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Acute bronchiolitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified acute lower respiratory infection	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chronic lower respiratory diseases	33	0	0	1	0	0	0	0	1	0	12	0	0	2	1	1	0	18	7	3	1	4	15
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	1	0	0	0	0	0	0	2	0	0	0	0	0	0	3	0	0	1	0	1
Asthma	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0
Other chronic lower respiratory diseases	27	0	0	0	0	0	0	0	1	0	8	0	0	2	1	1	0	13	7	3	0	4	14
Pneumoconioses and chemical effects	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	2
Pneumonitis due to solids and liquids	21	0	0	1	0	0	0	0	1	12	0	0	0	0	3	0	0	17	1	1	0	2	4
Other disease of respiratory system	37	0	0	0	0	0	0	0	1	0	21	0	1	3	3	4	0	33	1	2	1	0	4
Peptic ulcer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of appendix	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Hernia	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0	0	0
Chronic liver disease and cirrhosis	147	0	0	2	0	0	8	0	10	2	24	1	7	4	15	10	0	83	28	16	6	14	64
Alcoholic liver disease	115	0	0	2	0	0	7	0	7	0	17	0	6	4	12	10	0	65	25	10	6	9	50
Other chronic liver disease and cirrhosis	32	0	0	0	0	0	1	0	3	2	7	1	1	0	3	0	0	18	3	6	0	5	14
Cholelithiasis and other disorders of gallbladder	3	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	3	0	0	0	0	0
Nephritis, nephrotic syndrome and nephrosis	39	0	0	1	0	1	4	0	2	1	7	0	1	0	8	2	0	27	2	1	2	7	12
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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0
Renal failure	37	0	0	1	0	1	4	0	2	1	7	0	1	0	6	2	0	25	2	1	2	7	12
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009**

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ALL-AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation					
		Ak-Chin Indian Community	Cocopah Tribe	Colorado River Indian Tribes	Fort McDowell Yavapai Nation	Fort Mohave 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'odhamTribe	White Mountain Apache Tribe	Yavapai-Apache Nation	Total	in Maricopa County	in Pima County	in Coconino County	elsewhere in Arizona	Total	
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Perinatal conditions	19	1	0	0	0	0	0	0	0	2	0	4	2	0	1	0	10	6	2	0	1	9	9	
Congenital anomalies, deformations and chromosomal abnormalities	21	0	0	1	0	0	0	1	0	6	0	0	2	0	0	0	10	2	3	1	5	11	11	
Symptoms, signs, abnormal findings	29	0	0	0	0	0	0	2	0	11	0	0	1	1	2	0	17	2	1	2	7	12	12	
Total accidents	276	0	1	1	1	0	11	0	12	2	112	3	6	13	15	16	1	194	25	14	10	33	82	
Transport accidents	138	0	1	0	0	0	7	0	7	2	56	1	3	6	8	6	1	98	10	5	7	18	40	
Motor vehicle accidents	125	0	1	0	0	0	7	0	6	2	48	1	3	6	8	5	1	88	10	5	6	16	37	
Other land transport accidents	9	0	0	0	0	0	0	0	1	0	4	0	0	0	0	1	0	6	0	0	1	2	3	
Water, air, space	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	
Nontransport accidents	138	0	0	1	1	0	4	0	5	0	56	2	3	7	7	10	0	96	15	9	3	15	42	
Falls	29	0	0	0	0	0	1	0	2	0	17	0	0	1	4	1	0	26	1	0	0	2	3	
Accidental discharge of firearms	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Accidental drowning and submersion	12	0	0	0	0	0	0	0	0	0	5	0	0	0	1	0	6	1	3	0	2	6	6	
Accidental exposure to smoke, fire and flames	4	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	2	2	2	
Accidental poisoning	59	0	0	1	1	0	3	0	2	0	18	2	2	3	2	4	0	38	10	6	2	3	21	
Other and unspecified nontransport accidents	33	0	0	0	0	0	0	0	1	0	15	0	1	3	1	3	0	24	2	0	1	6	9	
Intentional self-harm (suicide)	56	0	0	0	0	0	3	0	1	0	14	2	2	1	4	10	0	37	5	2	2	10	19	
By discharge of firearms	8	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	0	5	1	0	1	1	3	
By other means	48	0	0	0	0	0	3	0	1	0	12	1	1	1	3	10	0	32	4	2	1	9	16	
Assault (homicide)	47	0	0	0	1	0	1	0	2	0	10	0	2	2	4	3	0	25	8	8	0	6	22	
By discharge of firearms	19	0	0	0	1	0	0	0	0	0	2	0	2	1	1	0	0	7	3	6	0	3	12	
By other means	28	0	0	0	0	0	1	0	2	0	8	0	0	1	3	3	0	18	5	2	0	3	10	
Legal intervention	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	
Events of undetermined intent	17	0	1	0	0	0	2	0	4	0	2	1	0	1	1	0	0	12	2	0	3	0	5	
Discharge of firearms	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Other and unspecified events of undetermined intent	16	0	1	0	0	0	1	0	4	0	2	1	0	1	1	0	0	11	2	0	3	0	5	
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Complications of medical and surgical care	4	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	3	0	0	0	1	1	
INJURY BY FIREARMS	31	0	0	0	1	0	1	0	0	0	6	1	3	1	2	0	0	15	5	6	1	4	16	
DRUG-INDUCED DEATHS	42	0	0	1	1	0	3	0	1	0	3	2	1	1	2	2	0	17	13	5	2	5	25	
ALCOHOL-INDUCED DEATHS	176	0	0	2	0	0	8	1	9	1	47	1	7	7	12	14	0	109	34	12	9	12	67	

5.7

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

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	1,871	385	6	211	83	21	0	328	37	345	248	113	2	22	20	21	29
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	12	4	0	0	0	0	0	1	0	3	3	1	0	0	0	0	0
Tuberculosis	2	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Respiratory tuberculosis	2	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	63	15	1	9	3	0	0	15	1	9	5	0	0	0	1	1	3
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	10	1	0	0	1	0	0	2	1	0	4	0	0	0	1	0	0
Human immunodeficiency virus (HIV) disease	10	4	0	1	0	0	0	2	0	2	0	1	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	13	2	0	1	0	0	0	2	1	1	4	2	0	0	0	0	0
Malignant neoplasms	241	51	0	23	10	1	0	50	6	37	43	7	0	2	2	5	4
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	10	2	0	0	0	0	0	2	0	1	3	1	0	0	0	0	1
Malignant neoplasm of stomach	14	4	0	2	1	0	0	3	0	0	3	1	0	0	0	0	0
Malignant neoplasm of colon, rectum and anus	20	5	0	3	0	0	0	3	0	2	4	0	0	0	1	1	1
Malignant neoplasm of liver and intrahepatic bile ducts	19	2	0	1	2	0	0	4	2	5	3	0	0	0	0	0	0
Malignant neoplasm of pancreas	13	4	0	2	0	0	0	2	0	3	1	1	0	0	0	0	0
Malignant neoplasm of larynx	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	21	3	0	0	3	0	0	10	0	1	3	1	0	0	0	0	0
Malignant melanoma of skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of breast	15	2	0	4	0	0	0	5	0	3	0	0	0	0	0	1	0
Malignant neoplasm of cervix uteri	6	3	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	5	0	0	2	0	0	0	1	0	1	0	0	0	0	0	1	0
Malignant neoplasm of ovary	12	3	0	0	0	0	0	0	1	3	4	0	0	0	0	0	1
Malignant neoplasm of prostate	12	5	0	0	1	0	0	2	1	1	2	0	0	0	0	0	0
Malignant neoplasm of kidney and renal pelvis	15	2	0	0	1	0	0	1	1	4	5	1	0	0	0	0	0
Malignant neoplasm of bladder	1	0	0	0	0	0	0	1	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, 2009

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	5	1	0	1	0	0	0	2	0	1	0	0	0	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related	18	1	0	2	0	0	0	2	1	4	5	1	0	0	1	0	1
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	6	1	0	2	0	0	0	0	1	1	1	0	0	0	0	0	0
Leukemia	4	0	0	0	0	0	0	1	0	2	1	0	0	0	0	0	0
Multiple myeloma and immunoproliferative neoplasms	8	0	0	0	0	0	0	1	0	1	3	1	0	0	1	0	1
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	53	14	0	6	2	1	0	10	0	8	8	0	0	2	0	2	0
In situ neoplasms	6	2	0	0	0	0	0	2	0	1	0	0	0	0	1	0	0
Anemias	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Diabetes	107	17	1	3	7	1	0	22	5	12	23	9	0	2	1	2	2
Nutritional deficiencies	3	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Malnutrition	3	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Other nutritional deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	11	3	0	3	0	0	0	0	0	4	0	0	0	0	1	0	0
Alzheimer's disease	18	2	0	0	1	0	0	6	0	5	1	1	0	1	0	0	1
Major cardiovascular diseases	320	66	1	33	14	2	0	53	10	72	30	24	0	5	2	4	4
Diseases of heart	249	50	0	26	12	2	0	43	9	53	20	20	0	4	2	4	4
Acute rheumatic fever and chronic rheumatic heart disease	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Hypertensive heart disease	16	1	0	0	1	0	0	2	2	4	1	5	0	0	0	0	0
Hypertensive heart and renal disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease	170	37	0	21	4	2	0	32	7	30	17	9	0	3	2	3	3
Acute myocardial infarction	52	16	0	7	1	1	0	3	5	9	6	2	0	0	0	2	0
Other acute ischemic heart disease	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Other forms of chronic ischemic heart disease	117	21	0	14	3	1	0	29	2	20	11	7	0	3	2	1	3
Atherosclerotic cardiovascular disease	43	11	0	5	0	0	0	13	1	4	5	1	0	2	0	0	1
All other forms of chronic ischemic heart disease	74	10	0	9	3	1	0	16	1	16	6	6	0	1	2	1	2
Other heart diseases	62	12	0	5	7	0	0	9	0	18	2	6	0	1	0	1	1
Acute and subacute endocarditis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of pericardium and acute myocarditis	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Heart failure	10	3	0	1	1	0	0	1	0	2	0	1	0	1	0	0	0
All other forms of heart disease	51	9	0	4	6	0	0	7	0	16	2	5	0	0	0	1	1
Essential (primary) hypertension and hypertensive renal disease	15	6	0	0	0	0	0	3	1	4	0	1	0	0	0	0	0
Cerebrovascular diseases	44	9	1	6	2	0	0	6	0	10	7	2	0	1	0	0	0

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

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	6	1	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0
Other diseases of circulatory system	6	0	0	1	0	0	0	1	0	4	0	0	0	0	0	0	0
Aortic aneurysm and dissection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	6	0	0	1	0	0	0	1	0	4	0	0	0	0	0	0	0
Other disorders of circulatory system	3	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0
Influenza and pneumonia	89	22	1	12	4	5	0	14	0	18	6	4	1	1	1	0	0
Influenza	7	1	0	2	0	1	0	2	0	1	0	0	0	0	0	0	0
Pneumonia	82	21	1	10	4	4	0	12	0	17	6	4	1	1	1	0	0
Other acute lower respiratory infections	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute bronchiolitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified acute lower respiratory infection	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	33	6	0	4	2	0	0	8	1	6	4	0	0	1	1	0	0
Bronchitis, chronic and unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Emphysema	4	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0
Asthma	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Other chronic lower respiratory diseases	27	4	0	1	2	0	0	7	1	6	4	0	0	1	1	0	0
Pneumoconioses and chemical effects	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	21	7	0	3	1	0	0	1	1	5	1	1	0	0	0	1	0
Other disease of respiratory system	37	12	0	4	2	1	0	2	0	11	5	0	0	0	0	0	0
Peptic ulcer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of appendix	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Hernia	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic liver disease and cirrhosis	147	11	0	13	3	3	0	38	3	28	27	13	0	0	1	3	4
Alcoholic liver disease	115	7	0	12	2	3	0	33	1	22	18	10	0	0	1	2	4
Other chronic liver disease and cirrhosis	32	4	0	1	1	0	0	5	2	6	9	3	0	0	0	1	0
Cholelithiasis and other disorders of gallbladder	3	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Nephritis, nephrotic syndrome and nephrosis	39	4	0	5	0	0	0	4	2	6	9	6	0	2	0	1	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	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Renal failure	37	4	0	5	0	0	0	4	2	6	7	6	0	2	0	1	0
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5.7 (continued)

DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS, ARIZONA, 2009

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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perinatal conditions	19	1	0	1	1	1	0	10	0	1	2	2	0	0	0	0	0
Congenital anomalies, deformations and chromosomal	21	5	0	1	1	1	0	2	1	3	3	1	0	0	1	1	1
Symptoms, signs, abnormal findings	29	9	0	5	1	1	0	2	0	5	1	5	0	0	0	0	0
Total accidents	276	65	2	45	12	1	0	36	2	57	29	15	0	3	2	1	6
Transport accidents	138	35	1	25	5	1	0	14	2	26	13	8	0	2	2	0	4
Motor vehicle accidents	125	29	1	23	5	1	0	14	2	21	13	8	0	2	2	0	4
Other land transport accidents	9	4	0	2	0	0	0	0	0	3	0	0	0	0	0	0	0
Water, air, space	4	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Nontransport accidents	138	30	1	20	7	0	0	22	0	31	16	7	0	1	0	1	2
Falls	29	6	0	5	1	0	0	2	0	10	2	1	0	1	0	0	1
Accidental discharge of firearms	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	12	5	0	0	0	0	0	1	0	2	3	1	0	0	0	0	0
Accidental exposure to smoke, fire and flames	4	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0
Accidental poisoning	59	9	0	8	3	0	0	15	0	11	10	2	0	0	0	1	0
Other and unspecified nontransport accidents	33	10	0	6	3	0	0	3	0	7	1	2	0	0	0	0	1
Intentional self-harm (suicide)	56	8	0	8	2	0	0	9	1	13	7	5	0	1	0	1	1
By discharge of firearms	8	1	0	1	0	0	0	2	0	1	2	1	0	0	0	0	0
By other means	48	7	0	7	2	0	0	7	1	12	5	4	0	1	0	1	1
Assault (homicide)	47	4	0	6	3	0	0	12	0	5	11	4	0	1	0	0	1
By discharge of firearms	19	1	0	1	1	0	0	6	0	0	7	2	0	1	0	0	0
By other means	28	3	0	5	2	0	0	6	0	5	4	2	0	0	0	0	1
Legal intervention	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Events of undetermined intent	17	0	0	5	1	0	0	3	0	4	2	1	0	0	1	0	0
Discharge of firearms	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Other and unspecified events of undetermined intent	16	0	0	5	1	0	0	3	0	4	2	0	0	0	1	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	4	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0
INJURY BY FIREARMS	31	3	0	2	1	0	0	9	0	2	9	4	0	1	0	0	0
DRUG-INDUCED DEATHS	42	1	0	3	1	0	0	17	1	6	9	2	0	0	0	2	0
ALCOHOL-INDUCED DEATHS	176	23	0	28	6	3	0	43	2	30	21	12	0	0	2	2	4

5.8

DEATHS FROM MOTOR VEHICLE-RELATED INJURIES AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER AND AGE GROUP, ARIZONA, 2009

		TOTAL	Resided on reservation											Resided off reservation					
			Cocopah Tribe	Gila River Indian Community	Hopi Tribe	Hualapai Nation	Navajo Nation	Pasqua 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	125	1	7	6	2	48	1	3	6	8	5	1	88	10	5	6	16	37
	1-4	6	0	0	0	0	1	0	0	1	0	0	0	2	1	1	1	1	4
	5-14	2	0	0	0	0	1	0	1	0	0	0	0	2	0	0	0	0	0
	15-24	32	0	2	2	1	10	0	1	0	4	3	0	23	3	0	1	5	9
	25-34	32	0	1	2	0	12	1	0	2	3	0	0	21	2	1	2	6	11
	35-44	20	1	3	1	0	6	0	1	1	1	1	0	15	2	1	1	1	5
	45-54	16	0	1	0	0	7	0	0	1	0	1	1	11	1	2	1	1	5
	55-64	11	0	0	0	1	6	0	0	1	0	0	0	8	1	0	0	2	3
	65-74	3	0	0	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0
	75-84	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
85+	2	0	0	1	0	1	0	0	0	0	0	0	2	0	0	0	0	0	
M	ALL AGES	86	1	3	4	1	34	1	2	4	6	4	1	61	6	3	4	12	25
	1-4	5	0	0	0	0	1	0	0	1	0	0	0	2	1	0	1	1	3
	5-14	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	15-24	24	0	1	1	1	8	0	1	0	3	2	0	17	2	0	1	4	7
	25-34	21	0	0	2	0	8	1	0	1	2	0	0	14	0	1	1	5	7
	35-44	12	1	1	1	0	3	0	1	0	1	1	0	9	1	1	1	0	3
	45-54	12	0	1	0	0	6	0	0	1	0	1	1	10	1	1	0	0	2
	55-64	8	0	0	0	0	4	0	0	1	0	0	0	5	1	0	0	2	3
	65-74	3	0	0	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0
	75-84	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
F	ALL AGES	39	0	4	2	1	14	0	1	2	2	1	0	27	4	2	2	4	12
	1-4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	5-14	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	15-24	8	0	1	1	0	2	0	0	0	1	1	0	6	1	0	0	1	2
	25-34	11	0	1	0	0	4	0	0	1	1	0	0	7	2	0	1	1	4
	35-44	8	0	2	0	0	3	0	0	1	0	0	0	6	1	0	0	1	2
	45-54	4	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	3
	55-64	3	0	0	0	1	2	0	0	0	0	0	0	3	0	0	0	0	0
	75-84	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	85+	2	0	0	1	0	1	0	0	0	0	0	0	2	0	0	0	0	0

5.9

**INTENTIONAL SELF-HARM (SUICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE,
GENDER AND AGE GROUP, ARIZONA, 2009**

		TOTAL	Resided on reservation								Resided off reservation					
			Gila River Indian Community	Hopi Tribe	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	56	3	1	14	2	2	1	4	10	37	5	2	2	10	19
	5-14	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	15-24	18	1	1	7	1	0	0	0	5	15	0	0	1	2	3
	25-34	14	1	0	4	1	1	0	1	1	9	2	1	0	2	5
	35-44	12	1	0	1	0	0	1	2	2	7	2	1	0	2	5
	45-54	8	0	0	2	0	1	0	0	1	4	1	0	1	2	4
	55-64	2	0	0	0	0	0	0	1	0	1	0	0	0	1	1
	65-74	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
M	ALL AGES	38	2	0	11	1	1	1	3	7	26	3	1	2	6	12
	5-14	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	15-24	12	1	0	6	1	0	0	0	3	11	0	0	1	0	1
	25-34	6	0	0	3	0	1	0	0	0	4	0	0	0	2	2
	35-44	12	1	0	1	0	0	1	2	2	7	2	1	0	2	5
	45-54	4	0	0	1	0	0	0	0	1	2	1	0	1	0	2
	55-64	2	0	0	0	0	0	0	1	0	1	0	0	0	1	1
	65-74	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
F	ALL AGES	18	1	1	3	1	1	0	1	3	11	2	1	0	4	7
	15-24	6	0	1	1	0	0	0	0	2	4	0	0	0	2	2
	25-34	8	1	0	1	1	0	0	1	1	5	2	1	0	0	3
	45-54	4	0	0	1	0	1	0	0	0	2	0	0	0	2	2

5.10

**ASSAULT (HOMICIDE) AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER AND AGE GROUP,
ARIZONA, 2009**

		TOTAL	Resided on reservation									Resided off reservation			
			Fort McDowell Yavapai Nation	Gila River Indian Community	Hopi Tribe	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	47	1	1	2	10	2	2	4	3	25	8	8	6	22
	1-4	1	0	0	0	0	0	0	1	0	1	0	0	0	0
	5-14	1	0	0	0	0	0	0	0	0	0	0	1	0	1
	15-24	14	0	1	1	2	2	1	1	0	8	2	2	2	6
	25-34	13	1	0	1	1	0	0	1	2	6	2	3	2	7
	35-44	8	0	0	0	2	0	0	1	1	4	1	2	1	4
	45-54	8	0	0	0	3	0	1	0	0	4	3	0	1	4
	55-64	1	0	0	0	1	0	0	0	0	1	0	0	0	0
	65-74	1	0	0	0	1	0	0	0	0	1	0	0	0	0
M	ALL AGES	33	1	0	2	6	1	1	3	3	17	5	6	5	16
	15-24	11	0	0	1	2	1	1	1	0	6	1	2	2	5
	25-34	13	1	0	1	1	0	0	1	2	6	2	3	2	7
	35-44	3	0	0	0	0	0	0	1	1	2	0	1	0	1
	45-54	5	0	0	0	2	0	0	0	0	2	2	0	1	3
	55-64	1	0	0	0	1	0	0	0	0	1	0	0	0	0
F	ALL AGES	14	0	1	0	4	1	1	1	0	8	3	2	1	6
	1-4	1	0	0	0	0	0	0	1	0	1	0	0	0	0
	5-14	1	0	0	0	0	0	0	0	0	0	0	1	0	1
	15-24	3	0	1	0	0	1	0	0	0	2	1	0	0	1
	35-44	5	0	0	0	2	0	0	0	0	2	1	1	1	3
	45-54	3	0	0	0	1	0	1	0	0	2	1	0	0	1
	65-74	1	0	0	0	1	0	0	0	0	1	0	0	0	0

5.11

**DIABETES-RELATED DEATHS AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER AND AGE GROUP,
ARIZONA, 2009**

		TOTAL	Resided on reservation													Resided off reservation					
			Colorado River Indian Tribes	Fort McDowell Yavapai Nation	Fort Mojave 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	Yavapai-Apache Nation	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	224	4	2	1	13	6	5	52	6	14	12	20	8	1	144	28	12	2	38	80
	25-34	7	0	0	0	2	0	0	1	0	1	0	1	1	0	6	1	0	0	0	1
	35-44	21	1	0	0	1	0	1	1	0	4	1	1	2	1	13	4	0	0	4	8
	45-54	29	1	0	0	4	1	2	5	1	0	1	3	1	0	19	3	2	0	5	10
	55-64	39	0	0	0	2	1	1	10	1	2	4	3	1	0	25	5	1	2	6	14
	65-74	48	1	2	1	2	1	1	14	4	2	2	8	0	0	38	4	0	0	6	10
	75-84	60	1	0	0	1	3	0	15	0	4	2	4	3	0	33	8	7	0	12	27
	85+	20	0	0	0	1	0	0	6	0	1	2	0	0	0	10	3	2	0	5	10
M	ALL AGES	104	3	1	1	6	2	2	30	2	8	6	6	3	0	70	11	4	1	18	34
	25-34	5	0	0	0	1	0	0	1	0	1	0	1	0	0	4	1	0	0	0	1
	35-44	14	1	0	0	1	0	1	1	0	4	1	0	1	0	10	2	0	0	2	4
	45-54	12	0	0	0	3	0	1	3	0	0	0	0	1	0	8	1	1	0	2	4
	55-64	24	0	0	0	0	1	0	8	1	1	3	2	1	0	17	1	0	1	5	7
	65-74	21	1	1	1	1	0	0	9	1	0	1	2	0	0	17	1	0	0	3	4
	75-84	22	1	0	0	0	1	0	6	0	1	0	1	0	0	10	5	2	0	5	12
	85+	6	0	0	0	0	0	0	2	0	1	1	0	0	0	4	0	1	0	1	2
F	ALL AGES	120	1	1	0	7	4	3	22	4	6	6	14	5	1	74	17	8	1	20	46
	25-34	2	0	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0
	35-44	7	0	0	0	0	0	0	0	0	0	0	1	1	1	3	2	0	0	2	4
	45-54	17	1	0	0	1	1	1	2	1	0	1	3	0	0	11	2	1	0	3	6
	55-64	15	0	0	0	2	0	1	2	0	1	1	1	0	0	8	4	1	1	1	7
	65-74	27	0	1	0	1	1	1	5	3	2	1	6	0	0	21	3	0	0	3	6
	75-84	38	0	0	0	1	2	0	9	0	3	2	3	3	0	23	3	5	0	7	15
	85+	14	0	0	0	1	0	0	4	0	0	1	0	0	0	6	3	1	0	4	8

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 (84 in 2009) is shown in Tables 5.4 - 5.7.

5.12

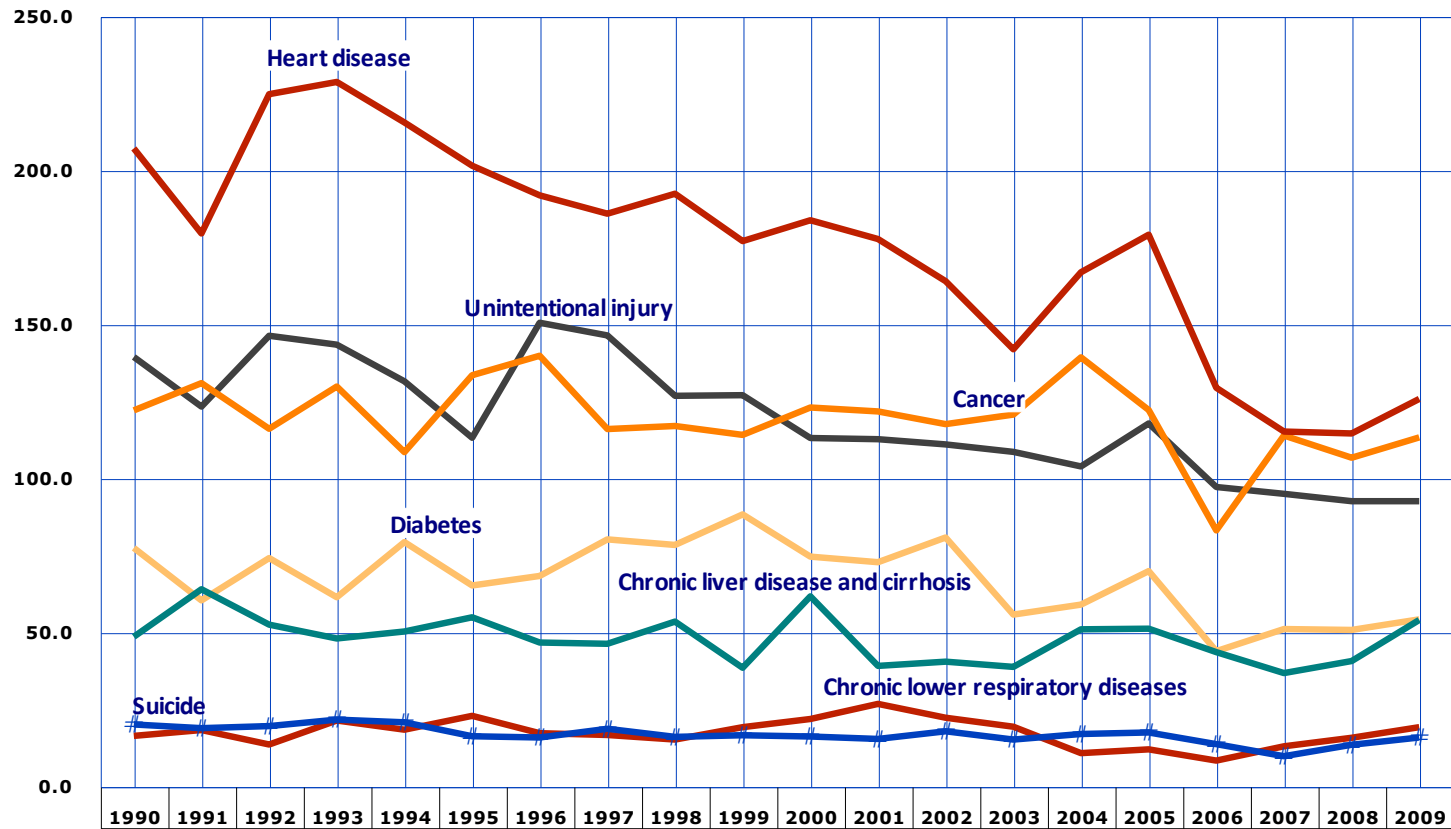
ALCOHOL-INDUCED DEATHS AMONG AMERICAN INDIANS BY PLACE OF RESIDENCE, GENDER AND AGE GROUP, ARIZONA, 2009

		TOTAL	Resided on reservation											Resided off reservation					
			Colorado River Indian Tribes	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	TOTAL	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	TOTAL
TOTAL	ALL AGES	176	2	8	1	9	1	47	1	7	7	12	14	109	34	12	9	12	67
	15-24	6	1	0	0	0	0	2	0	0	1	0	0	4	2	0	0	0	2
	25-34	19	0	1	1	0	0	5	0	2	2	0	3	14	0	2	2	1	5
	35-44	42	0	2	0	4	0	9	0	3	2	6	4	30	8	0	0	4	12
	45-54	61	1	4	0	4	1	14	1	2	0	2	6	35	14	6	3	3	26
	55-64	38	0	1	0	1	0	13	0	0	2	4	0	21	9	3	3	2	17
	65-74	8	0	0	0	0	0	4	0	0	0	0	0	4	1	1	1	1	4
	75-84	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
85+	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
M	ALL AGES	111	1	5	1	3	0	35	1	4	5	9	9	73	23	5	5	5	38
	15-24	6	1	0	0	0	0	2	0	0	1	0	0	4	2	0	0	0	2
	25-34	14	0	0	1	0	0	3	0	2	2	0	3	11	0	0	2	1	3
	35-44	28	0	1	0	1	0	6	0	2	1	6	3	20	5	0	0	3	8
	45-54	28	0	3	0	1	0	8	1	0	0	1	3	17	9	2	0	0	11
	55-64	27	0	1	0	1	0	12	0	0	1	2	0	17	6	2	2	0	10
	65-74	8	0	0	0	0	0	4	0	0	0	0	0	4	1	1	1	1	4
F	ALL AGES	65	1	3	0	6	1	12	0	3	2	3	5	36	11	7	4	7	29
	25-34	5	0	1	0	0	0	2	0	0	0	0	0	3	0	2	0	0	2
	35-44	14	0	1	0	3	0	3	0	1	1	0	1	10	3	0	0	1	4
	45-54	33	1	1	0	3	1	6	0	2	0	1	3	18	5	4	3	3	15
	55-64	11	0	0	0	0	0	1	0	0	1	2	0	4	3	1	1	2	7
	75-84	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	85+	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1



COMPARATIVE CAUSE-SPECIFIC MORTALITY

5.13
Temporal Changes* in the Selected Leading Causes of Death among American Indian Residents of Arizona, 1990-2009



* 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 2009" report.

5.14
Five Leading Causes of Death* by Gender among American Indian
Residents of Arizona in 2009

Rank	Female	Both	Male
1	Cancer 103.5	Diseases of heart 125.8	Diseases of heart 156.1
2	Diseases of heart 100.5	Cancer 113.3	Unintentional injury 144.4
3	Diabetes 59.9	Unintentional injury 92.6	Cancer 127.5
4	Chronic liver disease and cirrhosis 49.9	Diabetes 54.2	Chronic liver disease and cirrhosis 57.9
5	Unintentional injury 46.4	Chronic liver disease and cirrhosis 54.0	Diabetes 46.6

* 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 2009" report.

5.15
Five Leading Causes of Death among American Indians by Gender and Residence
On or Off Reservation, Arizona, 2009

Rank	Female, resided on reservation	Female, resided off reservation	Male, resided on reservation	Male, resided off reservation
1	Cancer 13.6%	Cancer 16.8%	Unintentional injury 22.0%	Diseases of heart 16.7%
2	Diseases of heart 13.6%	Diseases of heart 12.4%	Diseases of heart 11.5%	Unintentional injury 16.4%
3	Unintentional injury 9.2%	Chronic liver disease and cirrhosis 10.7%	Cancer 9.2%	Cancer 15.1%
4	Diabetes 7.4%	Diabetes 7.9%	Chronic liver disease and cirrhosis 6.6%	Chronic liver disease and cirrhosis 8.8%
5	Chronic liver disease and cirrhosis 7.2%	Unintentional injury 6.9%	Diabetes 4.6%	Assault 4.2%

* 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, 1999-2009

Rank	Arizona male**	American Indian male	Arizona female**	American Indian female
1	Trachea, bronchus, lung 28.8%	Prostate 11.3%	Trachea, bronchus, lung 25.8%	Breast 13.2%
2	Prostate 10.7%	Lymphoma 10.5%	Breast 15.6%	Lymphoma 10.5
3	Lymphoma 9.8%	Trachea, bronchus, lung 9.1%	Colon, rectum, anus 9.6%	Trachea, bronchus, lung 8.4%
4	Colon, rectum, anus 9.4	Liver 9.0%	Lymphoma 8.7%	Ovary 7.4%
5	Pancreas 5.2%	Kidney 8.2%	Pancreas 5.4%	Colon, rectum, anus 6.1%
6	Liver 3.4%	Stomach 8.0%	Ovary 5.4%	Liver 5.6%
7	Esophagus 3.4%	Colon, rectum, anus 7.9%	Brain 2.2%	Stomach 5.2%
8	Bladder 3.1%	Pancreas 6.0%	Liver 2.1%	Pancreas 5.1%
9	Kidney 2.6%	Esophagus 3.7%	Uterus 1.9%	Cervix uteri 4.5%
10	Brain 2.4%	Brain 2.0%	Kidney 1.7%	Kidney 4.1%

*Percent of cancer deaths in specified group in 1999-2009.

**All race/ethnic groups combined.

***Lymphoma = Malignant neoplasm of lymphoid, hematopoietic and related tissue including:

- Hodgkin's disease,
- Non-Hodgkin's lymphoma,
- Leukemia,
- Multiple myeloma and immunoproliferative neoplasms,
- Other and unspecified malignant neoplasms of lymphoid tissue,
- All other and unspecified malignant neoplasm.

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

5.17
Proportional Mortality* by Mechanism of Unintentional Injury and Gender among
American Indians and all Residents of Arizona, 1999-2009

Rank	Arizona male**	American Indian male	Arizona female**	American Indian female
1	Motor vehicle-related 39.7%	Motor vehicle-related 56.2%	Motor vehicle-related 32.8%	Motor vehicle-related 64.9%
2	Poisoning by drugs 21.0%	Poisoning by drugs 8.2%	Falls 31.4	Falls 9.6%
3	Falls 15.9	Falls 6.7%	Poisoning by drugs 17.4%	Poisoning by drugs 7.2%
4	Drowning 3.7%	Exposure to cold 4.9%	Choked on objects other than food 2.3%	Exposure to cold 2.3%
5	Exposure to heat 1.7%	Poisoning by gases 3.7%	Drowning 2.3%	Poisoning by gases 2.2%
6	Poisoning by gases 1.6%	Drowning 3.3%	Fire, flames, smoke 1.8%	Drowning 1.9%
7	Fire, flames, smoke 1.5%	Mechanical suffocation 1.8%	Choked on food 1.4%	Fire, flames, smoke 1.7%
8	Choked on object other than food 1.5%	Fire, flames, smoke 1.7%	Exposure to heat 1.1%	Choked on objects other than food 1.2%
9	Mechanical suffocation 1.3%	Railway accident 1.5%	Poisoning by gases 0.9%	Choked on food 1.1%
10	Firearm discharge 1.1%	Exposure to heat 1.4%	Mechanical suffocation 0.7%	Mechanical suffocation 1.1%

*Percent of unintentional injury deaths in specified group in 1999-2009.

**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, 2000-2009**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Malignant neoplasms, total	104,356	55,849	48,507	2,026	966	1,060
Malignant neoplasm of lip, oral cavity and pharynx	1,251	864	387	21	16	5
Malignant neoplasm of esophagus	2,375	1,902	473	42	36	6
Malignant neoplasm of stomach	1,881	1,131	750	132	77	55
Malignant neoplasm of colon, rectum and anus	9,909	5,275	4,634	141	76	65
Malignant neoplasm of liver and intrahepatic bile ducts	2,908	1,912	996	146	87	59
Malignant neoplasm of pancreas	5,534	2,904	2,630	112	58	54
Malignant neoplasm of larynx	550	443	107	4	3	1
Malignant neoplasm of trachea, bronchus and lung	28,585	16,074	12,511	177	88	89
Malignant melanoma of skin	1,755	1,218	537	11	8	3
Malignant neoplasm of breast	7,646	75	7,571	142	2	140
Malignant neoplasm of cervix uteri	700	0	700	48	0	48
Malignant neoplasm of corpus uteri and uterus, part unspecified	932	0	932	27	0	27
Malignant neoplasm of ovary	2,625	0	2,625	78	0	78
Malignant neoplasm of prostate	5,963	5,963	0	109	109	0
Malignant neoplasm of kidney and renal pelvis	2,275	1,454	821	122	79	43
Malignant neoplasm of bladder	2,387	1,747	640	19	10	9
Malignant neoplasm of meninges, brain and other parts of central nervous system	2,396	1,328	1,068	34	19	15
Malignant neoplasm of lymphoid, hematopoietic and related tissue	9,680	5,463	4,217	212	101	111
Hodgkin's disease	198	122	76	2	2	0
Non-Hodgkin's lymphoma	3,852	2,095	1,757	72	33	39
Leukemia	3,743	2,172	1,571	72	33	39
Multiple myeloma and immunoproliferative neoplasms	1,880	1,069	811	66	33	33
Other and unspecified malignant neoplasms of lymphoid tissue	7	5	2	0	0	0
All other and unspecified malignant neoplasms	10,848	5,860	4,988	334	139	195

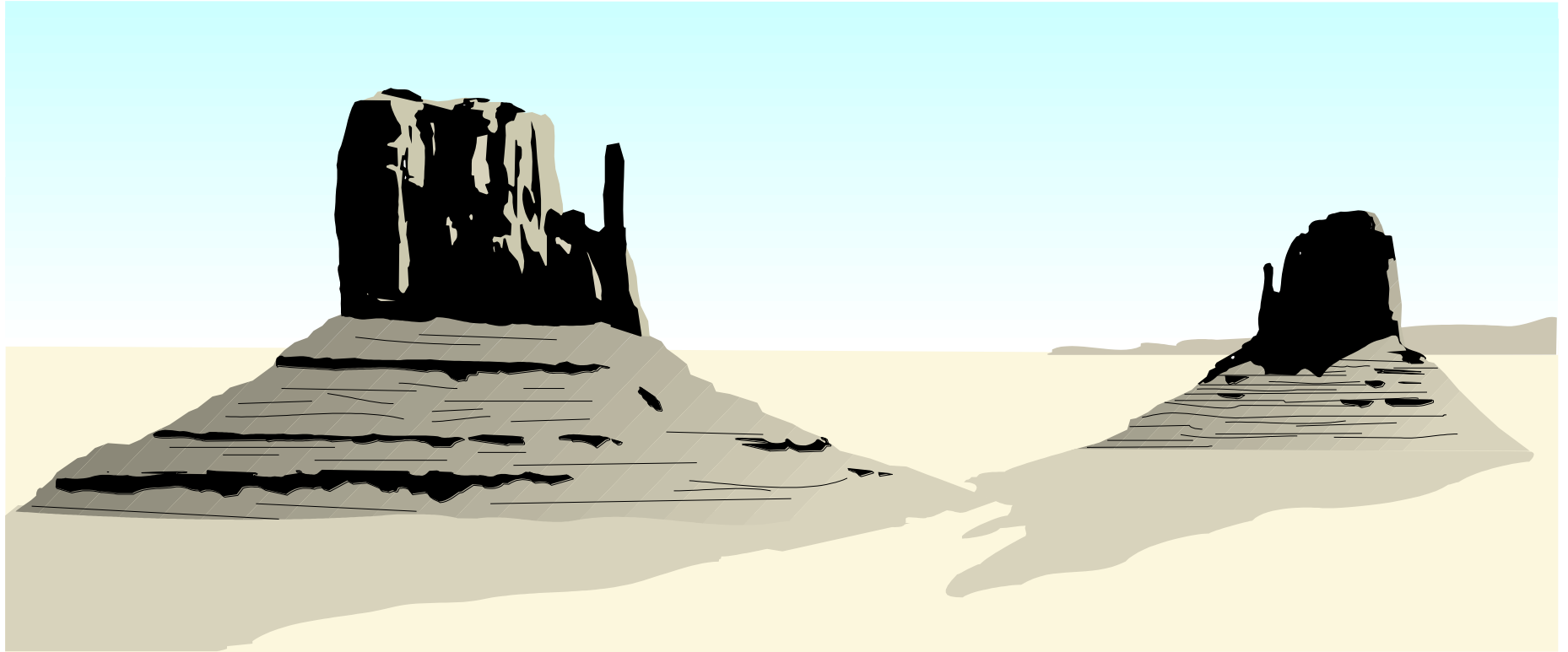
* All race/ethnic groups combined.

5.19

**UNINTENTIONAL INJURY DEATHS BY MECHANISM AND GENDER AMONG AMERICAN INDIANS AND
ALL RESIDENTS* OF ARIZONA, 1999-2009**

	ALL RESIDENTS OF ARIZONA			AMERICAN INDIANS OR ALASKA NATIVES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
Unintentional injury, total	29,246	18,956	10,290	2,899	2,069	830
Railway accidents	108	94	14	38	31	7
Motor vehicle -related	10,906	7,529	3,377	1,701	1,162	539
Water transport accident	41	29	12	0	0	0
Accident involving aircraft	213	186	27	2	2	0
Poisoning by drugs/medicaments	5,782	3,987	1,795	230	170	60
Poisoning by gases and vapors	391	298	93	95	77	18
Falls	6,252	3,022	3,230	218	138	80
Fire, flames, smoke	464	283	181	50	36	14
Excessive natural heat	426	315	111	35	28	7
Excessive natural cold	211	171	40	120	101	19
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	16	6	10	1	0	1
Lightning	16	13	3	4	3	1
Storms and floods	9	8	1	4	4	0
Accidental drowning and submersion	934	700	234	84	68	16
Choked on food	345	198	147	28	19	9
Choked on other objects	522	282	240	32	22	10
Mechanical suffocation	323	246	77	47	38	9
Accidental discharge of firearms	238	200	38	20	19	1
Exposure to electric current	80	79	1	4	4	0
Overexertion	1	1	0	1	1	0
Adverse effects of drugs in therapetic use	3	2	1	0	0	0
Misadventures to patients during medical/surgical care	17	10	7	1	1	0

* 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	2009 population of American Indians	2009 deaths among American Indians	Age-specific rates for American Indians in 2009	2000 standard	Age-adjusted rate for American Indians In 2009
A	B	C	D (C/B)*100000	E	F D*E
<1	6,333	52	821.1	.013818	11.3
1-4	24,248	17	70.1	.055317	3.9
5-14	65,222	15	23.0	.145565	3.3
15-24	68,922	108	156.7	.138646	21.7
25-34	51,722	144	278.4	.135573	37.7
35-44	45,574	215	471.8	.162613	76.7
45-54	38,055	270	709.5	.134834	95.7
55-64	23,703	253	1067.4	.087247	93.1
65-74	13,276	281	2116.6	.066037	139.8
75-84	6,598	272	4122.5	.044842	184.9
85+	2427	243	821.1	.015508	155.3
	346,080	1871		TOTAL	Σ 823.5

Age-specific mortality - Number of deaths in a specific age group during a calendar year.

Cause of death - For the purpose of national mortality statistics, every death is attributed to one underlying condition, based on information reported on the death certificate and utilizing the international rules for selecting the underlying cause of death from the reported conditions.

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

Classification of causes of death - The cause of death used in this report is the underlying cause classified according to the *International Classification of Diseases (ICD)*. Beginning with the 2000 data year in Arizona (1999 nationally), a new revision of the International Classification of Diseases was implemented. The Tenth Revision (ICD-10) has replaced the Ninth Revision (ICD-9), which was in effect since 1979.

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	
	Toyeyi	
	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
		Totopitk
	Pima	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		

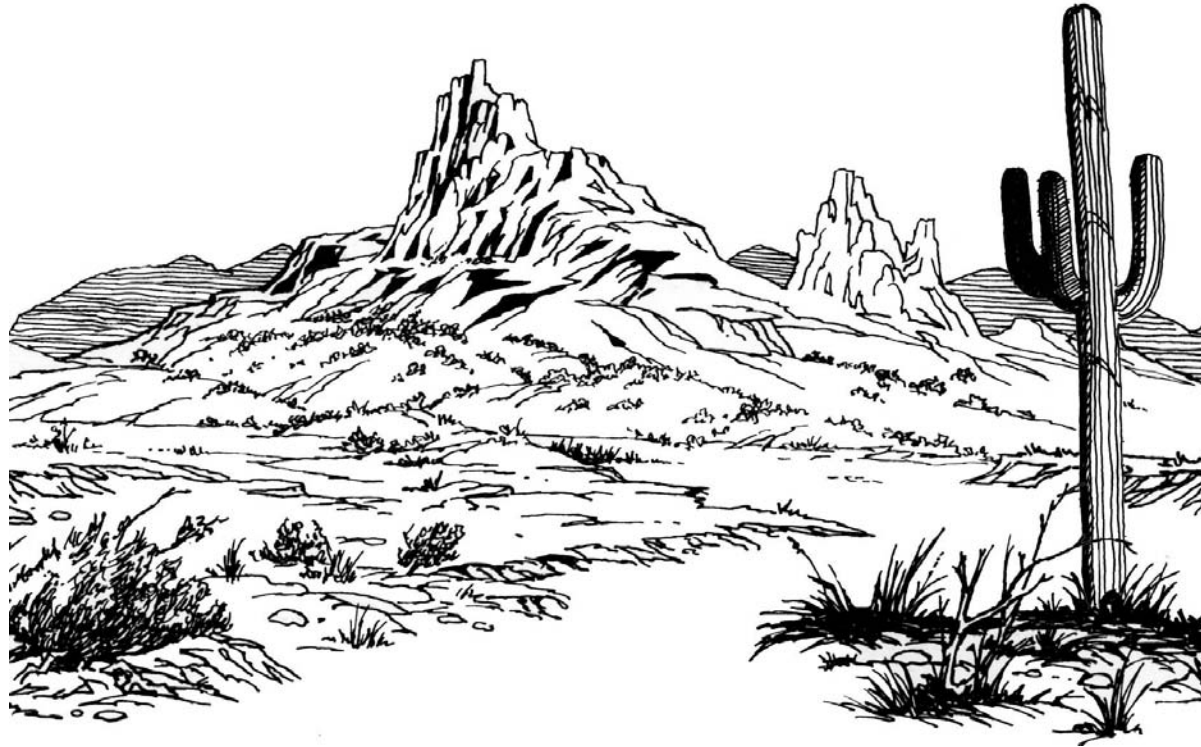
TRIBAL COMMUNITIES OF AMERICAN INDIANS IN ARIZONA (continued)

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, Marital Status and Health*, *Heart Disease vs. Cancer: An Epidemiologic Transition in Mortality Risks*.



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