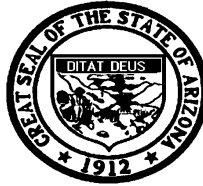


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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA: 2003 DATA BOOK

by

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November 2004

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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA 2003 DATA BOOK

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INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 2003 Data Book* is the ninth 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 2003.

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 2003 *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 2003 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 1993-2003 for selected health problems and health risks among American Indians and all residents of Arizona,
- 4) a four-part section concerned with the characteristics of American Indian newborns and mothers giving birth,
- 5) a two-part section focused on patterns of cause-specific mortality among American Indians by age group, gender and place of residence in Arizona in 2003. Beginning with the 2001 edition of the report, these tables have changed to accommodate a new listing of 113 specific causes of mortality.

These sections are followed by the **Technical Notes**, which provide information about the sources of data and definitions of terms used in the report, as well as a comparison of cause-of-death categories classified by the Ninth (ICD-9) and the Tenth Revisions (ICD-10) of the International Classification of Diseases. The causes of death for 2000 - 2003 are classified by ICD-10.

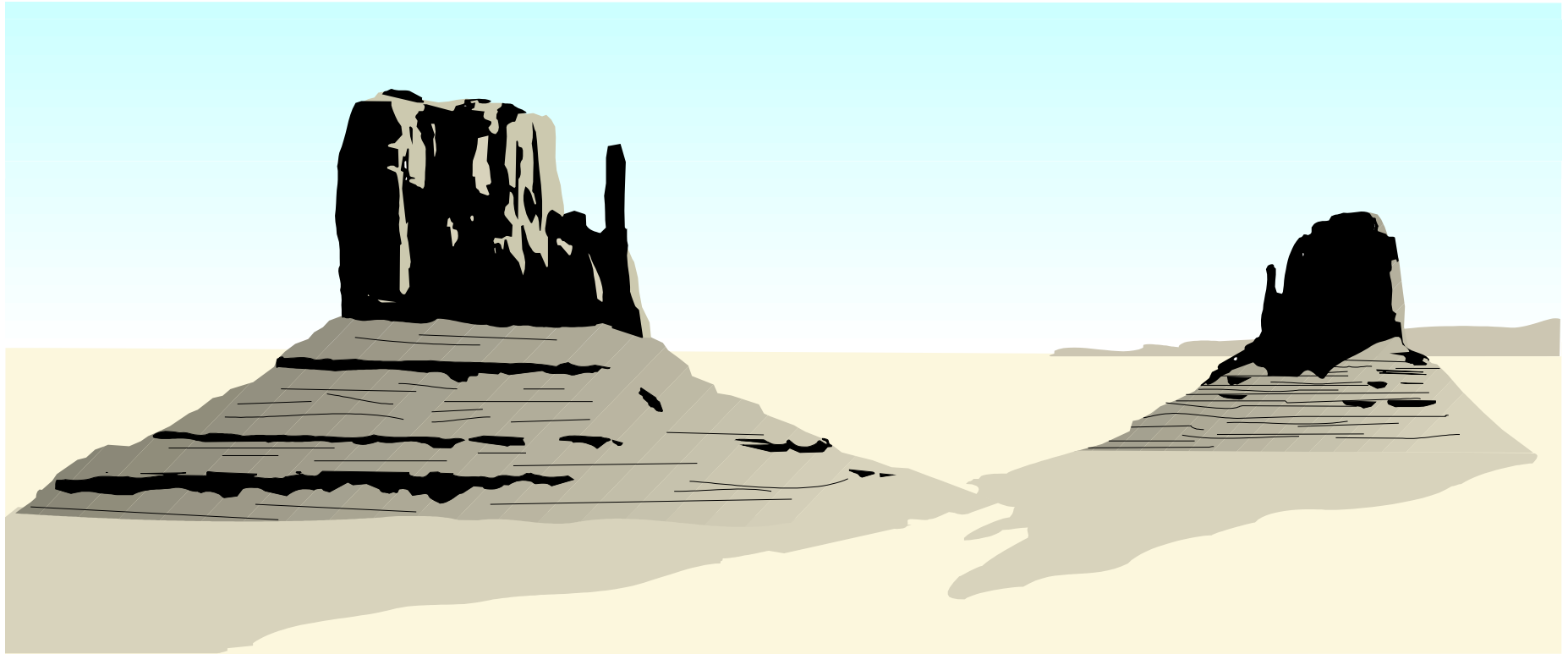
Beginning with the first edition of this report published in 1996, specific Indian reservations have been identified by tribal communities comprising them. However, this approach does not work very well for the tribes residing within the limits of an incorporated city (such as Yavapai Prescott Indian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

In this edition of the report, 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 reservations, and those who resided off reservation in Arizona in 2003. 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.

A detailed classification of tribal communities in Arizona is available in the **Appendix A**. It no longer identifies the numeric codes associated with community names because they are not used in the mortality database and the extent to which they appear in the birth database is quite limited. Generally, the information about the usual place (or tribal community) of residence is quite poorly recorded in the electronic databases of births and deaths. Certain communities are altogether absent and many are underrepresented. Therefore, the tribe-or-reservation-specific counts of vital events in this report are not exact enumerations.

Health Status Profile of American Indians in Arizona was intended as a data book: a basic reference for some of the most frequently requested vital event statistics. The five sections of the report were computer-generated and contain information with little or no accompanying narrative.

In addition to bound form, the online versions of the report for 1995–2003 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 2003**

The risk profile presented on the following page summarizes how American Indians as a group compared in 2003 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 an 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:

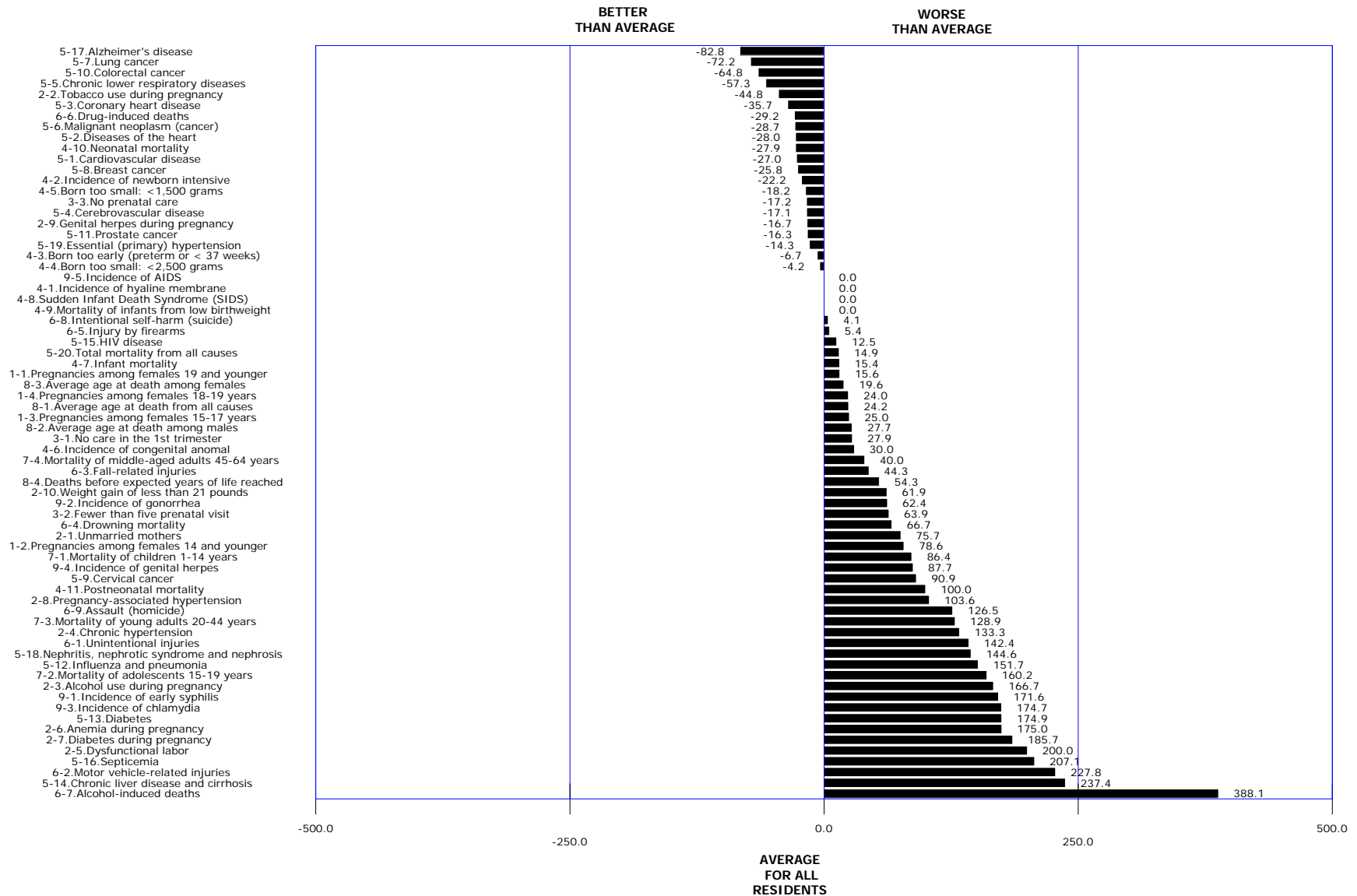
(1) Teen Pregnancies, (2) Maternal Lifestyle and Health Characteristics, (3) Utilization of Prenatal Care Services, (4) Newborn's Health, (5) Mortality from Natural Causes (chronic or infectious diseases), (6) Mortality from Injuries, (7) Age-Specific Mortality, (8) Premature Mortality and (9) Reportable Diseases.

In 2003, American Indians in Arizona had the second highest average score among all groups and second lowest rank of overall health status. They ranked 5th or 4th 39 times on 70 indicators, and they exceeded the statewide averages by a wider margin than any other group except Black or African Americans. American Indians ranked poorly on measures of maternal lifestyle and health as well as in utilization of prenatal care. High incidence of birth defects and high infant mortality, alcoholism, diabetes, motor vehicle accidents and mortality from unintentional injuries contributed to the premature death rate. This resulted in the second lowest ranking of American Indians in the relative healthiness among racial and ethnic groups in Arizona.

* 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 Group, Arizona, 2003***". In order to receive a copy of this publication, call the Bureau of Public Health Statistics at 602-542-7333. This and previously published reports also are available online at <http://www.azdhs.gov/plan/report/dhsag/index.htm>

2003 RISK PROFILE OF AMERICAN INDIANS

(percent above or below the average rate or ratio for all Arizona residents in 2003)



AMERICAN INDIANS' STANDING IN ARIZONA IN 2003 ON 70 INDICATORS OF HEALTH STATUS

1. TEEN PREGNANCIES

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

Figure number	Indicator	2003 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2003	Definitions
1-1	Pregnancies among females 19 and younger	39.9	15.7	34.5	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	2.5	78.6	1.4	The sum of live births, fetal deaths, and abortions per 1,000 females aged 14 or younger
1-3	Pregnancies among females 15-17 years old	52.0	25.0	41.6	The sum of live births, fetal deaths, and abortions per 1,000 females aged 15-17 years
1-4	Pregnancies among females 18-19 years old	134.2	24.0	108.2	The sum of live births, fetal deaths, and abortions per 1,000 females aged 18-19 years

2. MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

(All ratios are per 100 live births)

Figure number	Indicator	2003 ratio for American Indians	Percent above or below the average ratio for all groups	Average ratio for all groups in 2003	Definitions
2-1	Unmarried mothers	72.4	75.7	41.2	The number of births to unmarried mothers per 100 births
2-2	Tobacco use during pregnancy	3.2	-44.8	5.8	The number of mothers giving birth who self-reported tobacco use during pregnancy per 100 births
2-3	Alcohol use during pregnancy	2.4	166.7	0.9	The number of mothers giving birth who self-reported alcohol use during pregnancy per 100 births
2-4	Chronic hypertension	0.7	133.3	0.3	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	2.4	200.0	0.8	Failure to progress in a normal pattern of labor (the number of cases per 100 births).
2-6	Anemia during pregnancy	5.5	175.0	2.0	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	6.0	185.7	2.1	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	5.7	103.6	2.8	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	0.5	-16.7	0.6	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	31.9	61.9	19.7	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	2003 ratio for American Indians	Percent above or below the average ratio for all groups	Average ratio for all groups in 2003	Definition
3-1	No care in the 1 st trimester	31.2	27.9	24.4	The number of mothers giving birth who received no prenatal care in the 1 st trimester of pregnancy per 100 births.
3-2	Fewer than five prenatal visits	11.8	63.9	7.2	The number of mothers giving birth who had fewer than five prenatal visits during pregnancy per 100 births.
3-3	No prenatal care	2.4	-17.2	2.9	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	2003 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 2003	Definition
4-1	Incidence of hyaline membrane disease	0.3	0.0	0.3	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	4.2	-22.2	5.4	The number of babies admitted to Newborn Intensive Care units per 100 births
4-3	Born too early (preterm or < 37 weeks)	9.8	-6.7	10.5	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)	6.8	-35.2	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	-18.2	1.1	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)	1.3	30.0	1.0	The numbers of babies born with birth defects per 100 births.
4-7	Infant mortality	7.5	15.4	6.5	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)	0.3	0.0	0.3	The number of infant deaths from Sudden Infant Death Syndrome (ICD-10 code R95) per 1,000 live births
4-9	Mortality of infants from low birthweight/short gestation	0.9	0.0	0.9	The number of infant deaths from low- birthweight/short gestation (ICD-10 code P07) per 1,000 live births
4-10	Neonatal mortality	3.1	3.1	4.3	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	4.4	100.0	2.2	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	2003 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2003	Definition
5-1	Cardiovascular disease	188.6	27.0	258.4	The number of deaths from cardiovascular diseases (ICD-10 codes I00-I78) per 100,000 age-adjusted population.
5-2	Diseases of the heart	141.9	28.0	197.1	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	100.7	-35.7	156.6	The number of deaths from coronary heart disease (ICD-10 codes I200-I259) per 100,000 age-adjusted population.
5-4	Cerebrovascular disease	36.4	-17.1	43.9	The number of deaths from cerebrovascular disease (ICD-10 codes I60-I69) per 100,000 age-adjusted population.
5-5	Chronic lower respiratory diseases	19.4	-57.3	45.4	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)	120.7	-28.7	169.4	The number of deaths from cancer (ICD-10 codes C00-C97) per 100,000 age-adjusted population.
5-7	Lung cancer	13.2	-72.2	47.4	The number of deaths from lung cancer (ICD-10 codes C33-C34) per 100,000 age-adjusted population.
5-8	Breast cancer	16.4	25.8	22.1	The number of deaths from breast cancer (ICD-10 code C50) per 100,000 age-adjusted female population.
5-9	Cervical cancer	4.2	90.9	2.2	The number of deaths from cervical cancer (ICD-10 code C53) per 100,000 age-adjusted female population.
5-10	Colorectal cancer	6.3	-64.8	17.9	The number of deaths from colorectal cancer (ICD-10 codes C18-C21) per 100,000 age-adjusted population.
5-11	Prostate cancer	21.0	-16.3	25.1	The number of deaths from prostate cancer (ICD-10 code C61) per 100,000 age-adjusted male population.
5-12	Influenza and pneumonia	58.9	151.7	23.4	The number of deaths from influenza and pneumonia (ICD-10 codes J10-J18) per 100,000 age-adjusted population.
5-13	Diabetes	55.8	174.9	20.3	The number of deaths from diabetes (ICD-10 codes E10-E14) per 100,000 age-adjusted population.
5-14	Chronic liver disease and cirrhosis	38.8	237.4	11.5	The number of deaths from chronic liver disease and cirrhosis (ICD-10 codes K70, K73-K74) per 100,000 age-adjusted population.
5-15	HIV disease	3.6	12.5	3.2	The number of deaths from HIV disease (ICD-10 codes B20-B24) per 100,000 age-adjusted population.
5-16	Septicemia	25.8	207.1	8.4	The number of deaths from septicemia (ICD-10 codes A40-A41) per 100,000 age-adjusted population.
5-17	Alzheimer's disease	5.6	-82.8	32.5	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)	24.7	144.6	10.1	The number of deaths from nephritis, nephritic syndrome and nephrosis (ICD-10 codes N00-N07, N17-N19, N25-N27) per 100,000 age-adjusted population.
5-19	Essential (primary) hypertension	5.4	-14.3	6.3	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	900.7	14.9	784.0	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	2003 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2003	Definition
6-1	Unintentional injuries	108.6	142.4	44.8	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	59.0	227.8	18.0	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	12.7	44.3	8.8	The number of deaths from fall-related injuries (ICD-10 codes W00–W19) per 100,000 age-adjusted population.
6-4	Drowning mortality	2.5	66.7	1.5	The number of deaths due to accidental drowning and submersion (ICD-10 codes W65–W74) per 100,000 age-adjusted population.
6-5	Injury by firearms	15.6	5.4	14.8	The number of deaths by firearms (ICD-10 codes W32–W34, X72–X74, X93–X95, Y22–Y24, Y35.0) per 100,000 age-adjusted population. Causes of death attributable to firearm mortality include accidental discharge of firearms, intentional self-harm (suicide) by discharge of firearms, assault (homicide) by discharge of firearms, discharge of firearms, undetermined intent; and legal intervention involving firearm discharge. Deaths from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.
6-6	Drug-induced deaths	8.5	-29.2	12.0	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	49.3	388.1	10.1	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)	15.2	4.1	14.6	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)	18.8	126.5	8.3	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	2003 rate for American Indians	Percent above or below the average rate for all groups	Average value for all groups in 2003	Definition
7-1	Mortality of children 1-14 years old	45.3	86.4	24.3	The number of deaths per 100,000 children 1-14 years old in 2003
7-2	Mortality of adolescents 15-19 years old	196.2	160.2	75.4	The number of deaths per 100,000 adolescents 15-19 years old in 2003
7-3	Mortality of young adults 20-44 years old	345.8	128.9	151.1	The number of deaths per 100,000 young adults 20-44 years old in 2003
7-4	Mortality of middle-aged adults 45-64 years old	914.9	40.0	653.7	The number of deaths per 100,000 middle-aged adults 45-64 years old in 2003

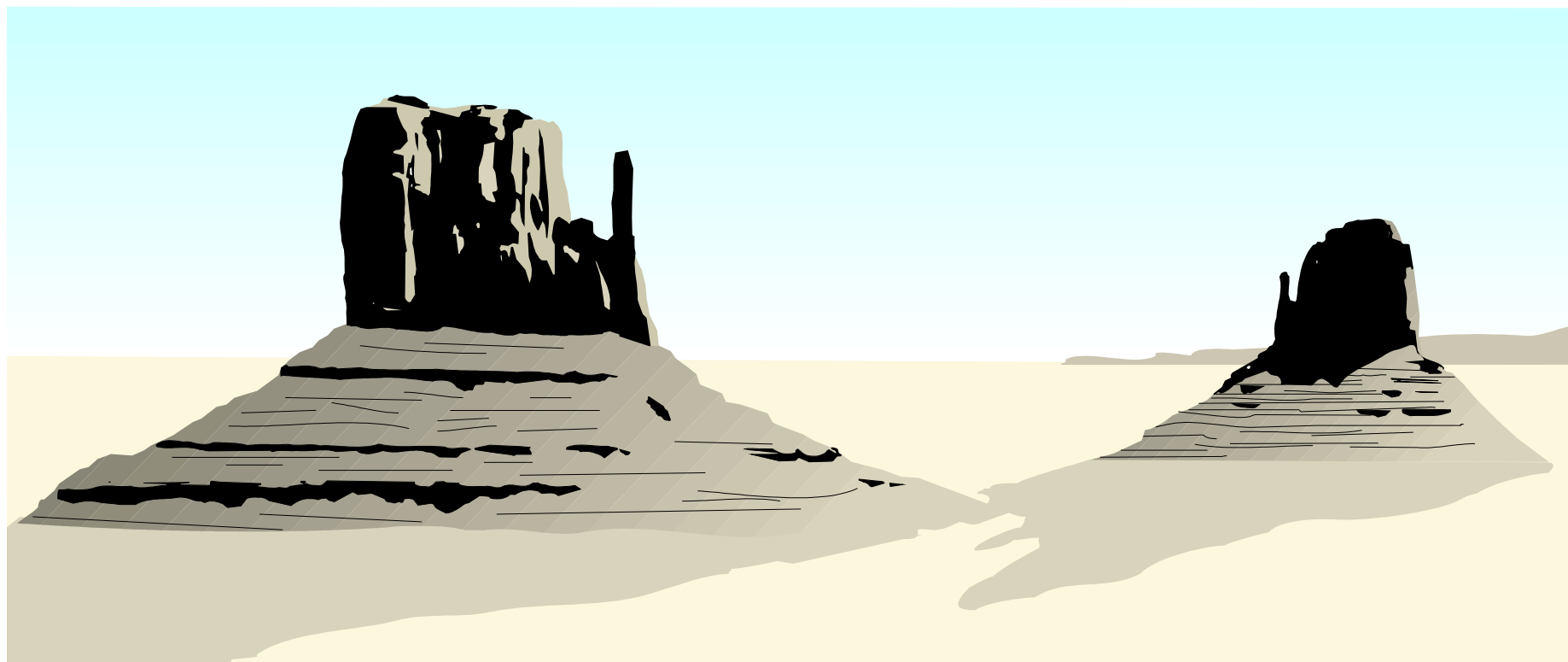
8. PREMATURE MORTALITY

Figure number	Indicators	2003 value for American Indians	Percent above or below the average value for all groups	Average value for all groups in 2003	Definitions
8-1	Average age at death from all causes	54.7	-24.2	72.2	The average age of Arizonans who died in 2003
8-2	Average age at death from all causes among males	50.3	-27.7	69.6	The average age of Arizona males who died in 2003
8-3	Average age at death from all causes among females	60.4	-19.6	75.1	The average age of Arizona females who died in 2003
8-4	Percent of total deaths before expected years of life reached	78.4	54.3	50.8	The number of deaths before reaching 76.9 years (the life expectancy of all U.S. residents in 2003) per 100 deaths

9. REPORTABLE DISEASES

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

Figure number	Indicators	2003 rate for American Indians	Percent above or below the average rate for all groups	Average rate for all groups in 2003	Definitions
9-1	Incidence of early syphilis	20.1	171.6	7.4	Number of reported cases of early syphilis per 100,000 population
9-2	Incidence of gonorrhea	103.1	62.4	63.5	Number of reported cases of gonorrhea per 100,000 population
9-3	Incidence of chlamydia	623.9	174.7	227.1	Number of reported cases of chlamydia per 100,000 population
9-4	Incidence of genital herpes	30.4	87.7	16.2	Number of reported cases of genital herpes per 100,000 population
9-5	Incidence of AIDS	11.3	0.0	11.3	Number of reported cases of AIDS per 100,000 population

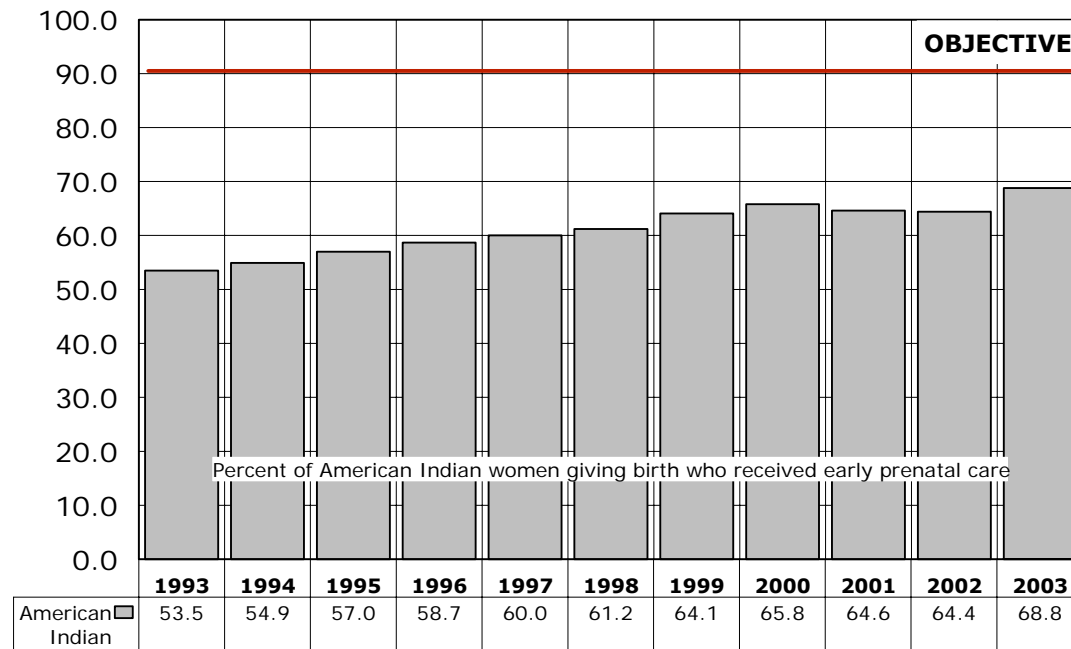


II.

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

2.1. Early Prenatal Care

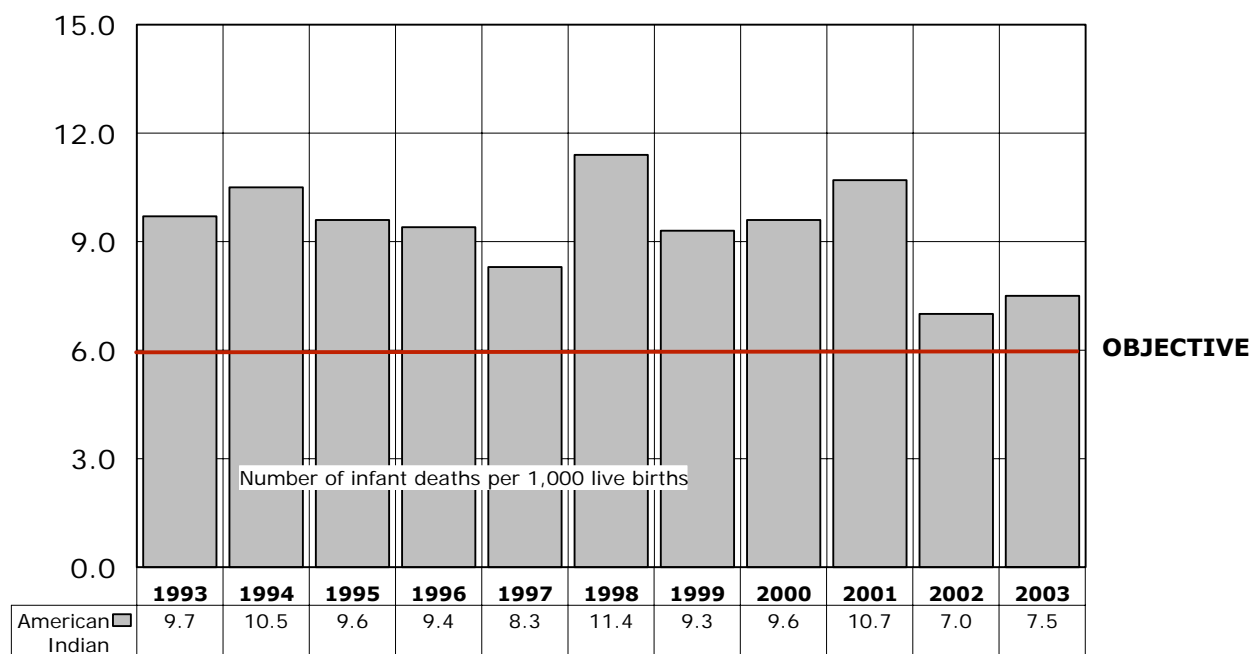
National Year 2010 Objective (HP16-10a*): Increase to 90 percent the proportion of women giving birth who receive prenatal care in the first trimester of pregnancy



Source: Table 1B-2 and Table 1B-14 in **Arizona Health Status and Vital Statistics 2003**.
HP16-10a: **Healthy People 2010 Objectives**, objective 16-10a.

2.2. Infant Mortality

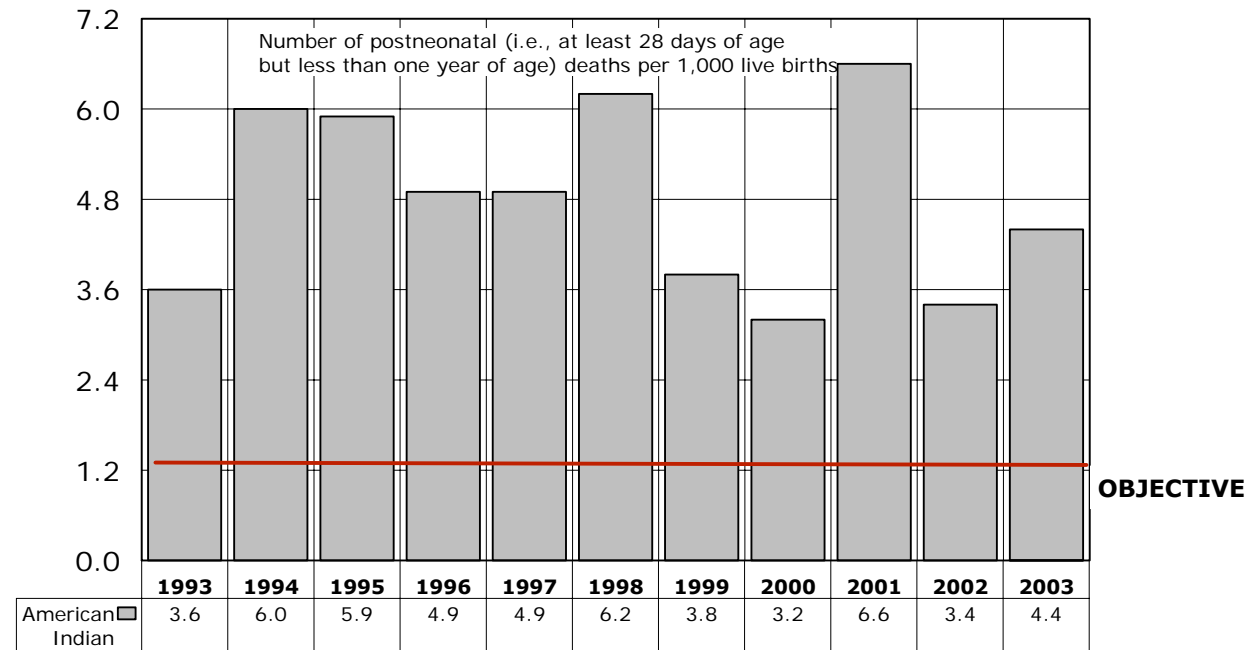
National Year 2010 Objective (HP16-1c): Reduce the rate of infant deaths to no more than 6 per 1,000 live births



Source: Table 2C-2 in **Arizona Health Status and Vital Statistics 2003**. 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

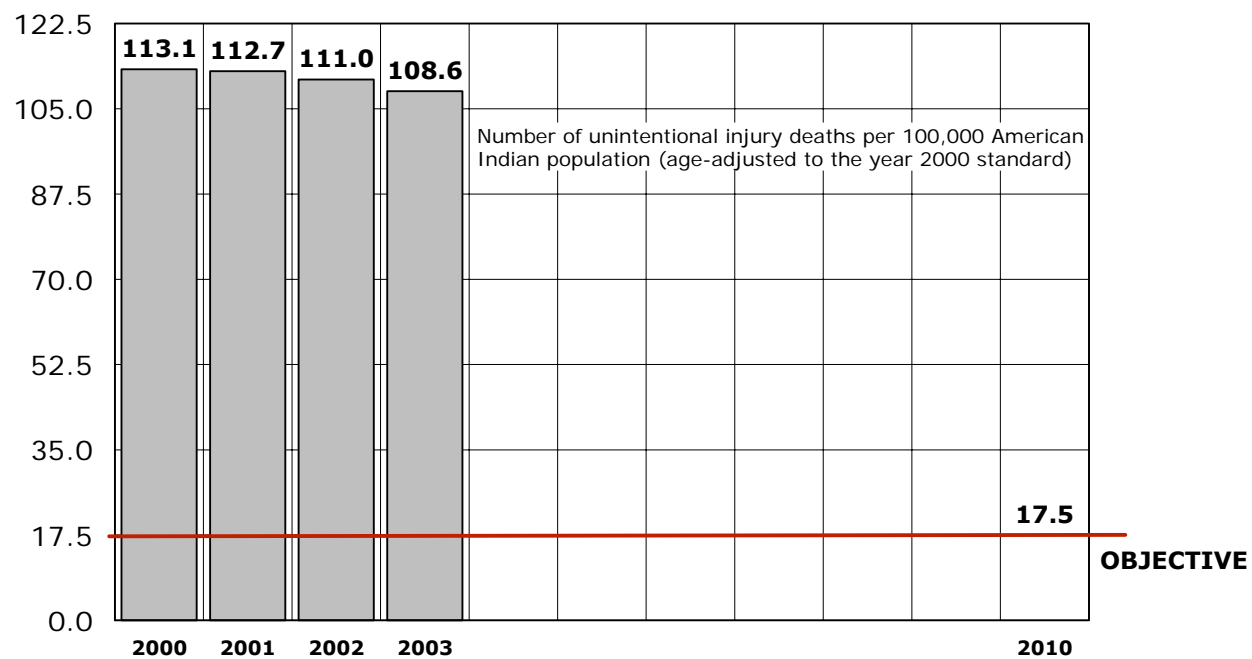
National Year 2010 Objective (HP16-1e): Reduce postneonatal mortality to no more than 1.2 per 1,000 live births.



Source: Table 2C-4 in **Arizona Health Status and Vital Statistics 2003**. 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

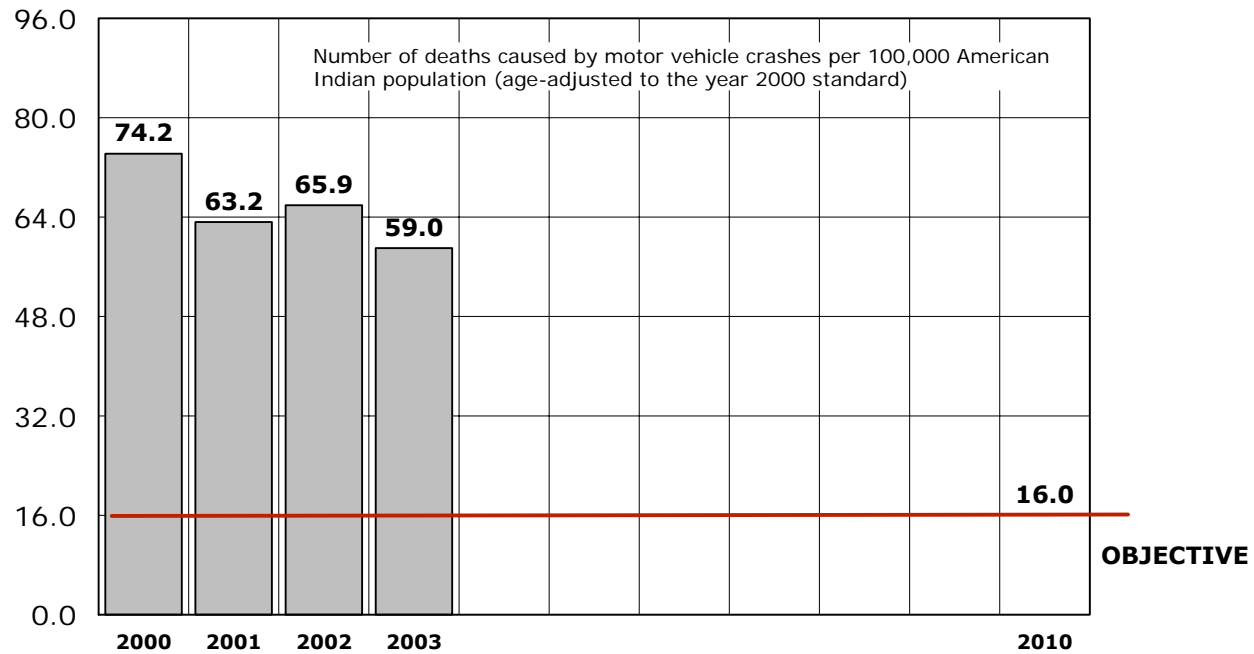
National Year 2010 Objective (HP15-13): Reduce deaths caused by unintentional injuries to no more than 17.5 per 100,000 age-adjusted population



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2003*.

2.5. Motor Vehicle Crash Deaths

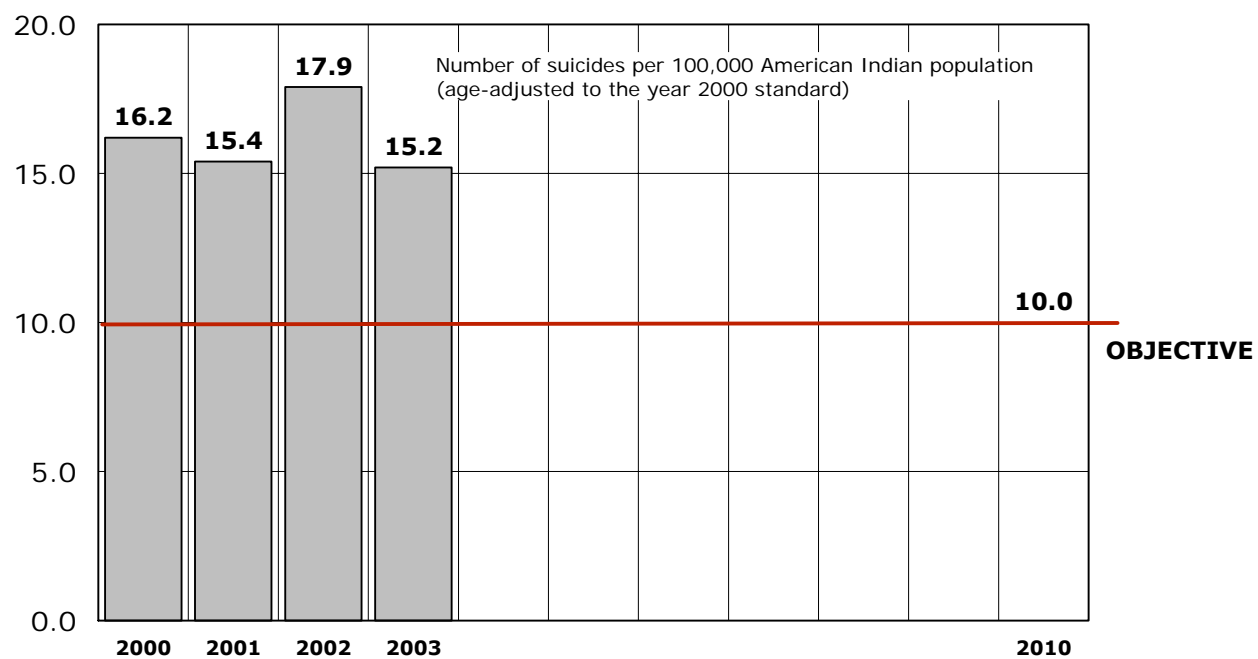
National Year 2010 Objective (HP15-15): Reduce deaths caused by motor vehicle crashes to no more than 16 per 100,000 age-adjusted population



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2003*.

2.6. Intentional Self-Harm (Suicide)

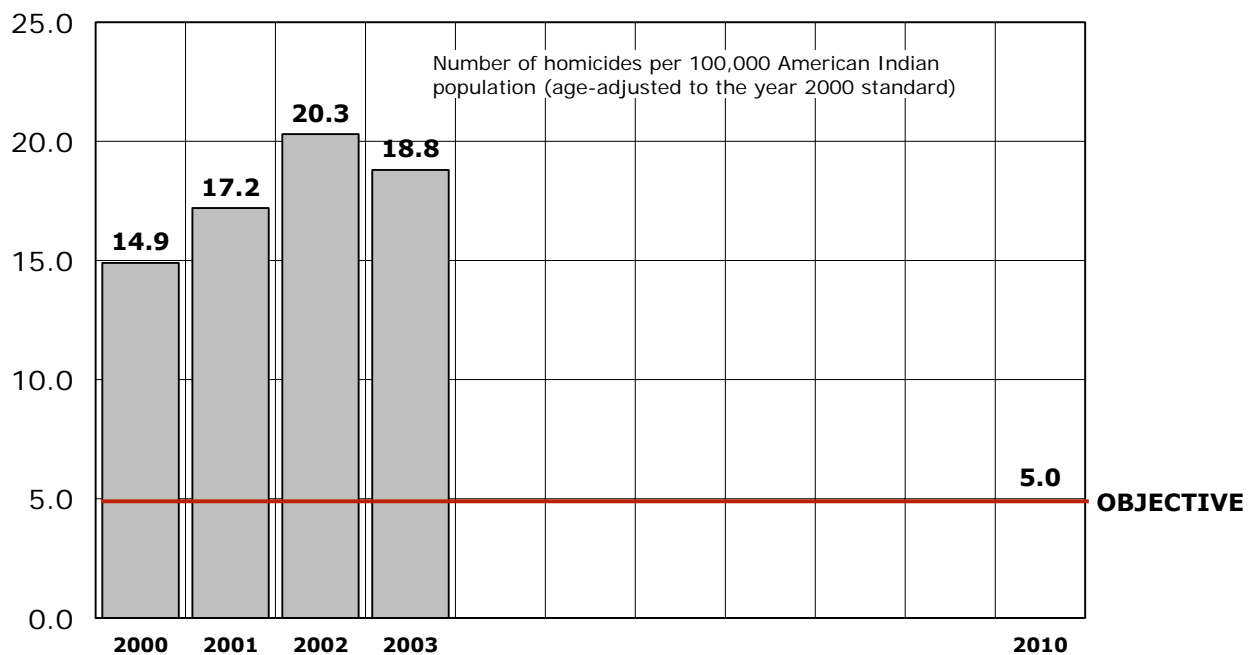
National Year 2010 Objective (HP18-1): Reduce the suicide rate to no more than 10 per 100,000 age-adjusted population



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2003*.

2.7. Assault (Homicide)

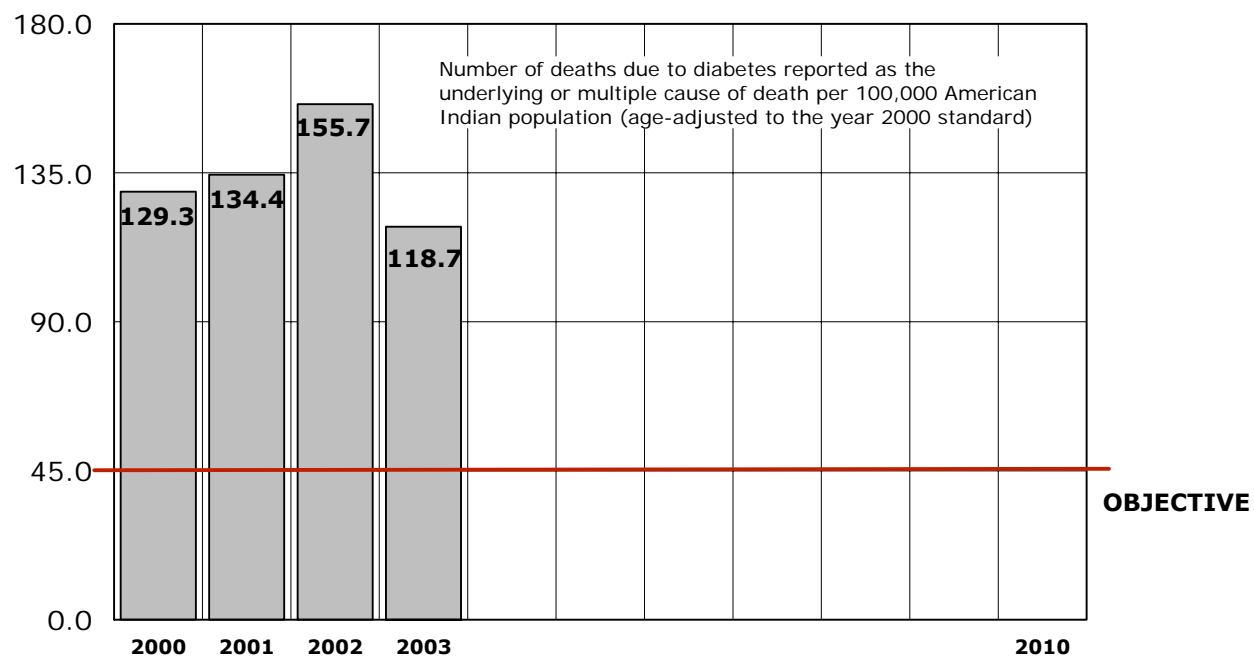
National Year 2010 Objective (HP15-32): Reduce the homicide rate to no more than 5 per 100,000 age-adjusted population



Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2003*.

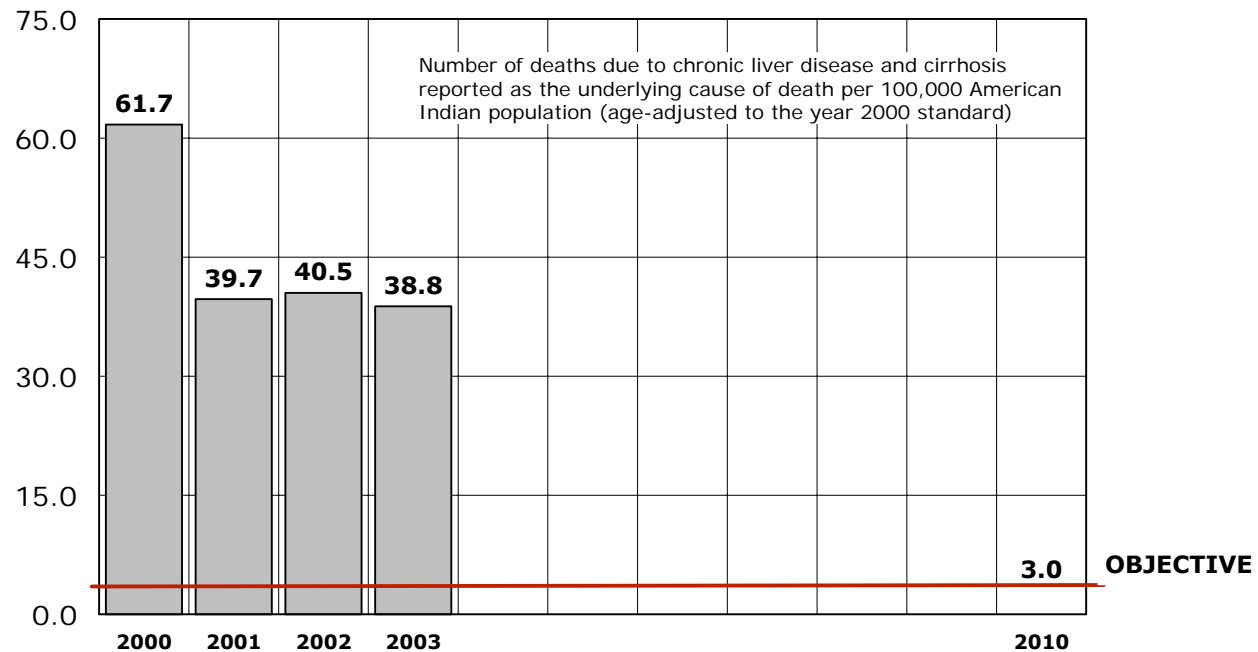
2.8. Diabetes-related Deaths

National Year 2010 Objective (HP5-5): Reduce the diabetes-related death rate to no more than 45 per 100,000 age-adjusted population



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

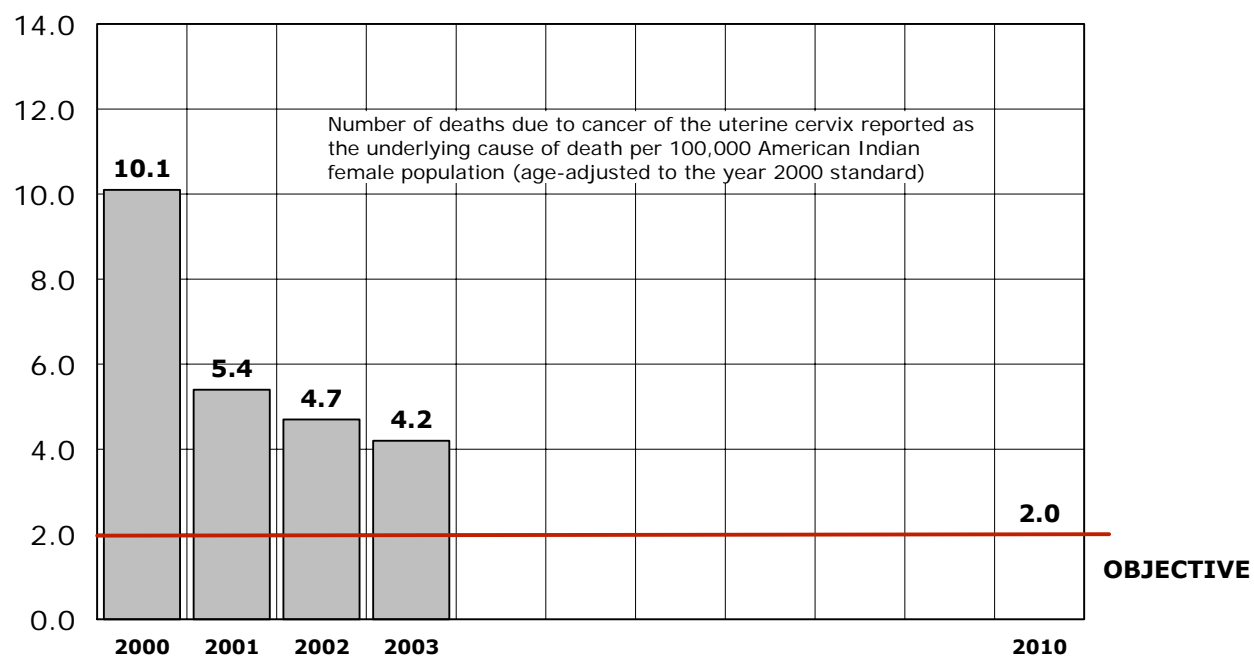


*Chronic liver disease and cirrhosis (ICD-10 codes K70, K73-K74).

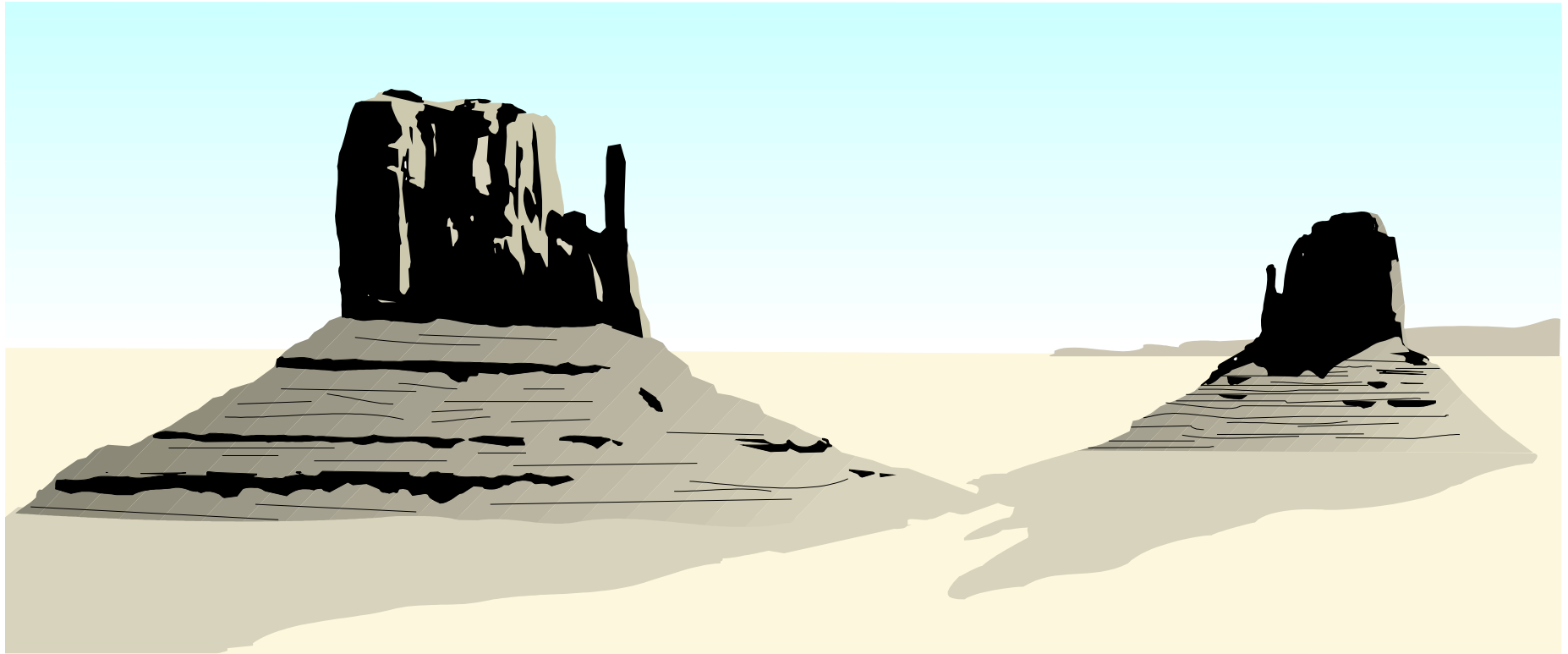
Source: Table 2B-3 in *Arizona Health Status and Vital Statistics 2003*.

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



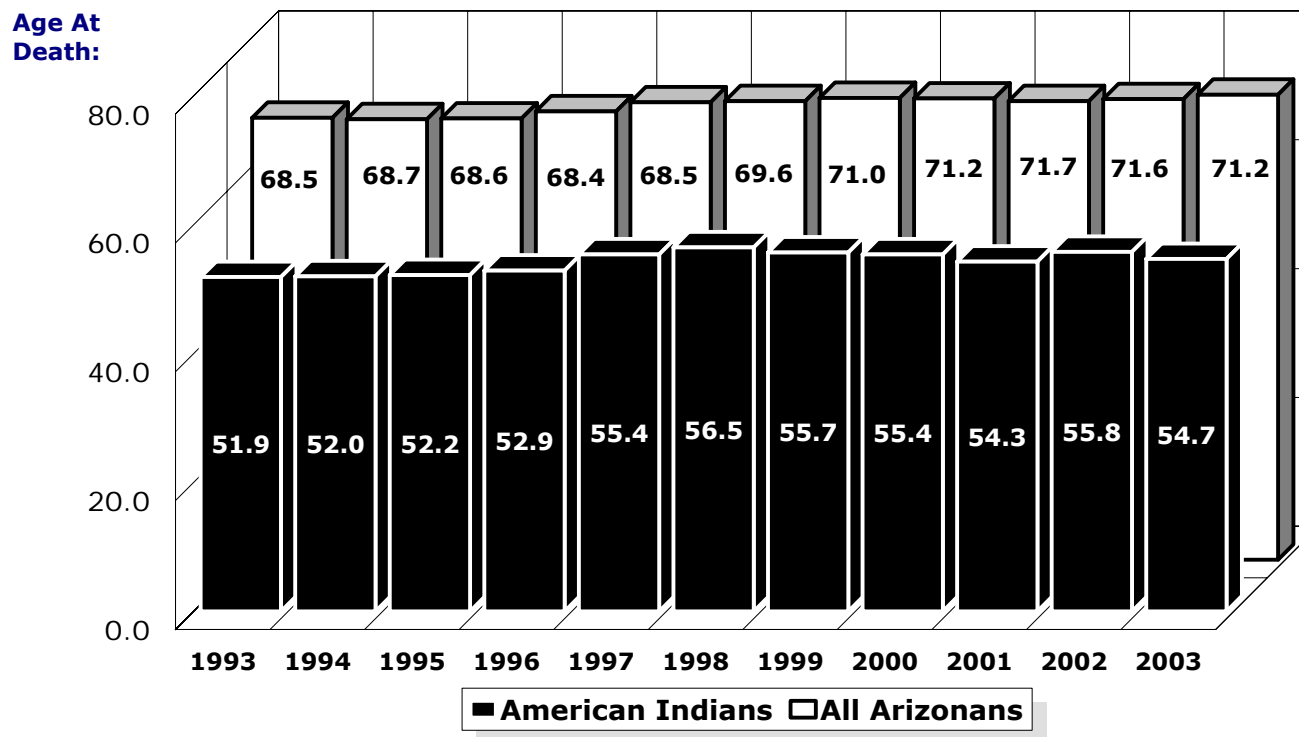
*Note: These rates based on fewer than 10 deaths/year are not statistically reliable.
Source: Table 2B-4 in *Arizona Health Status and Vital Statistics 2003*.



III.

TRENDS IN SELECTED HEALTH PROBLEMS AND HEALTH RISKS AMONG AMERICAN INDIANS AND ALL RESIDENTS OF ARIZONA, 1993-2003

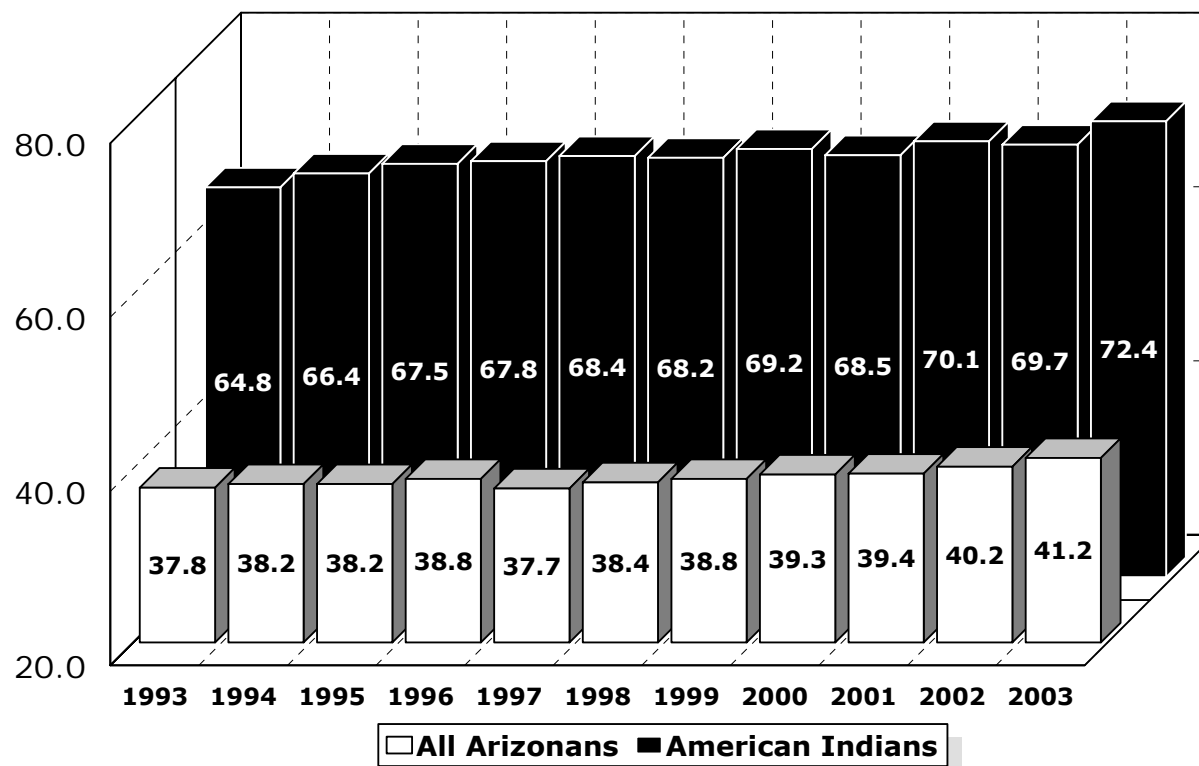
**3.1.
Average Age At Death From All Causes,
1993-2003**



Source: Table 2D-1 in *Arizona Health Status and Vital Statistics 2003*.

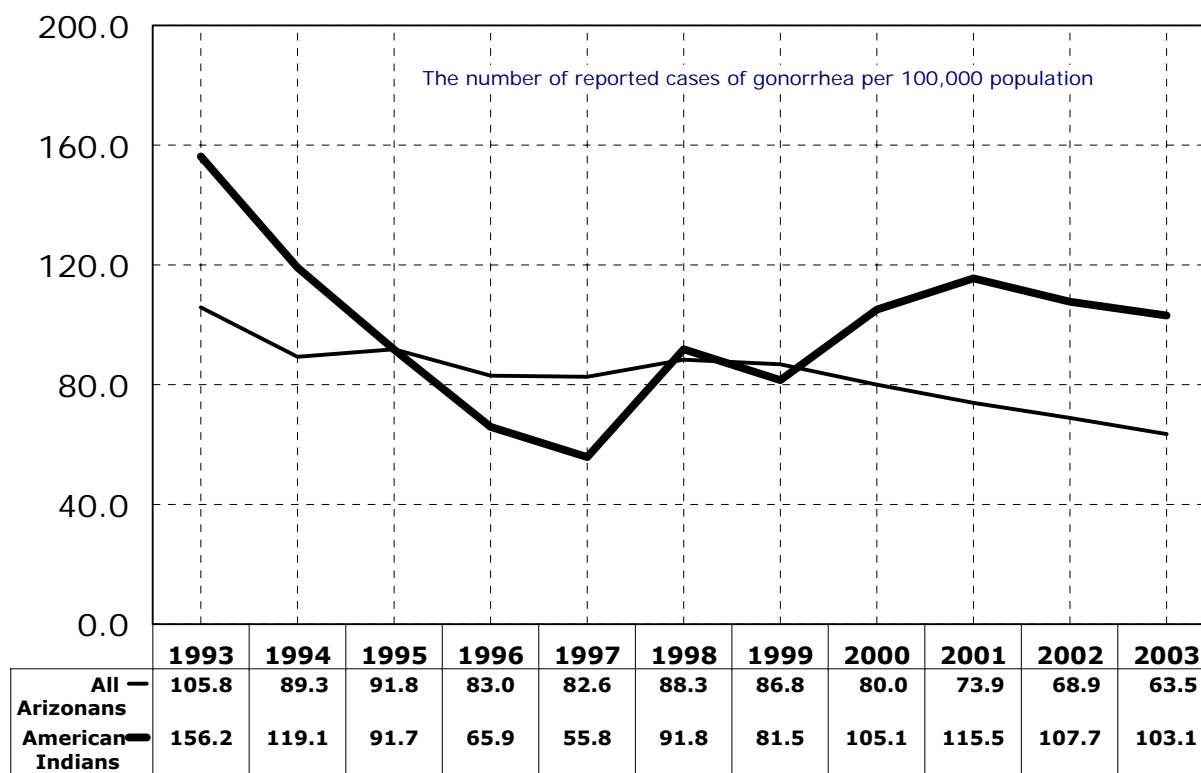
3.2.
Births to Unmarried Mothers, 1993-2003

Per 100 births:



Source: Table 1B-2 and Table 1B-13 in *Arizona Health Status and Vital Statistics 2003*.

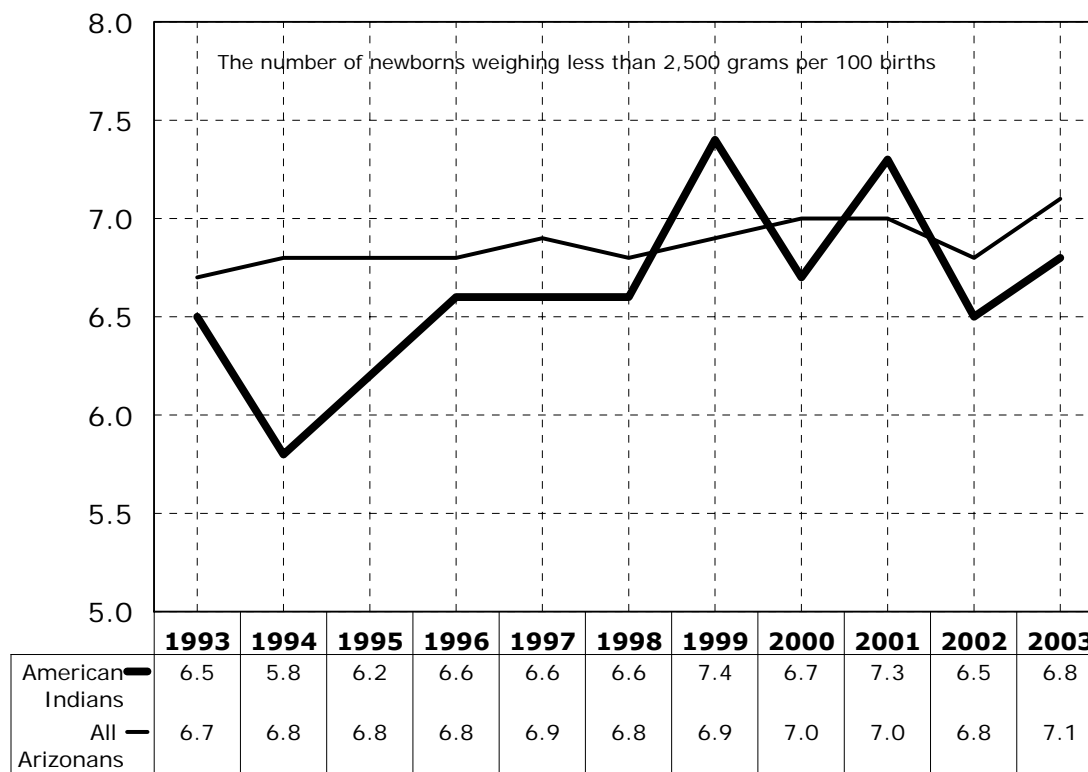
3.3. The Incidence of Gonorrhea, 1993-2003



Source: Figure 3B-1, Table 3B-4 and Table 3B-5 in *Arizona Health Status and Vital Statistics 2003*.
The rates were provided by the Office of HIV/STD Services in the Bureau of Epidemiology and Disease Control, ADHS

3.4. The Incidence of Low-Birthweight Births, 1993-2003

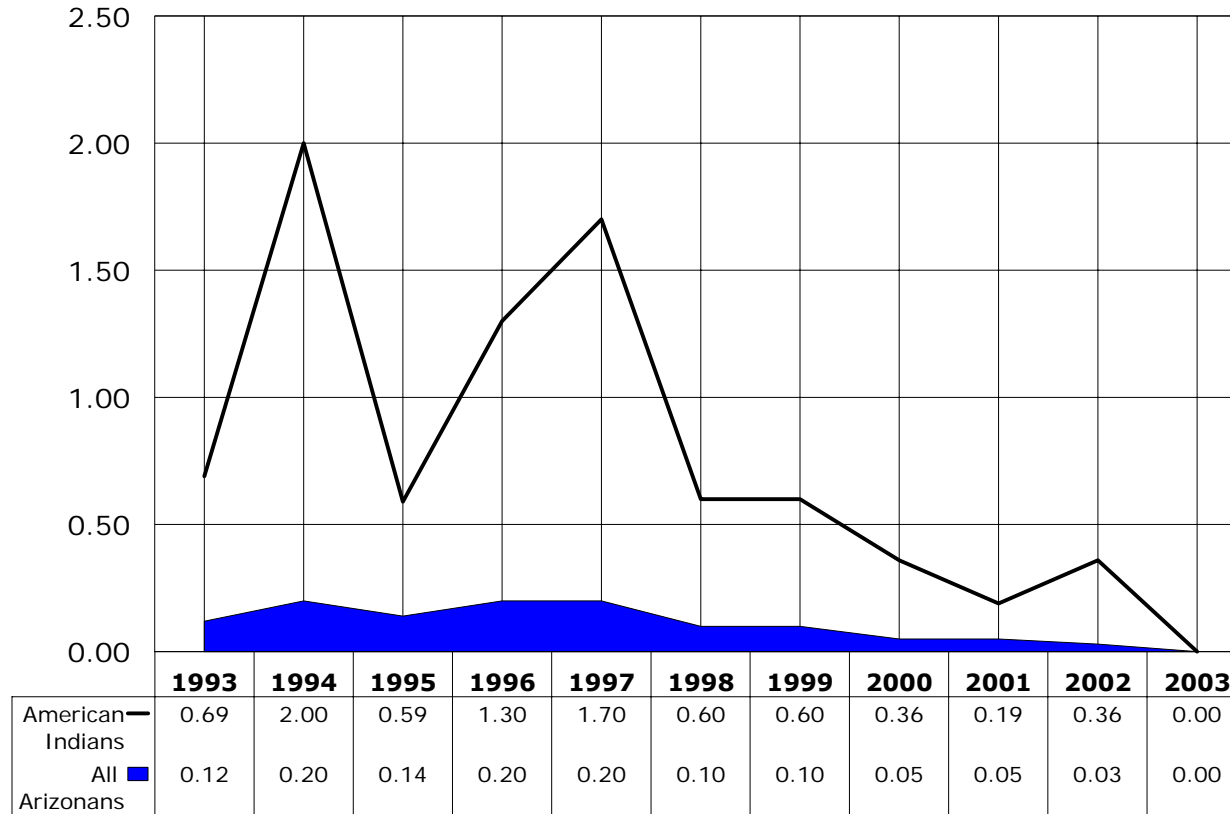
Per 100 births:



Source: Table 1B-2 and Table 1B-12 in *Arizona Health Status and Vital Statistics 2003*.

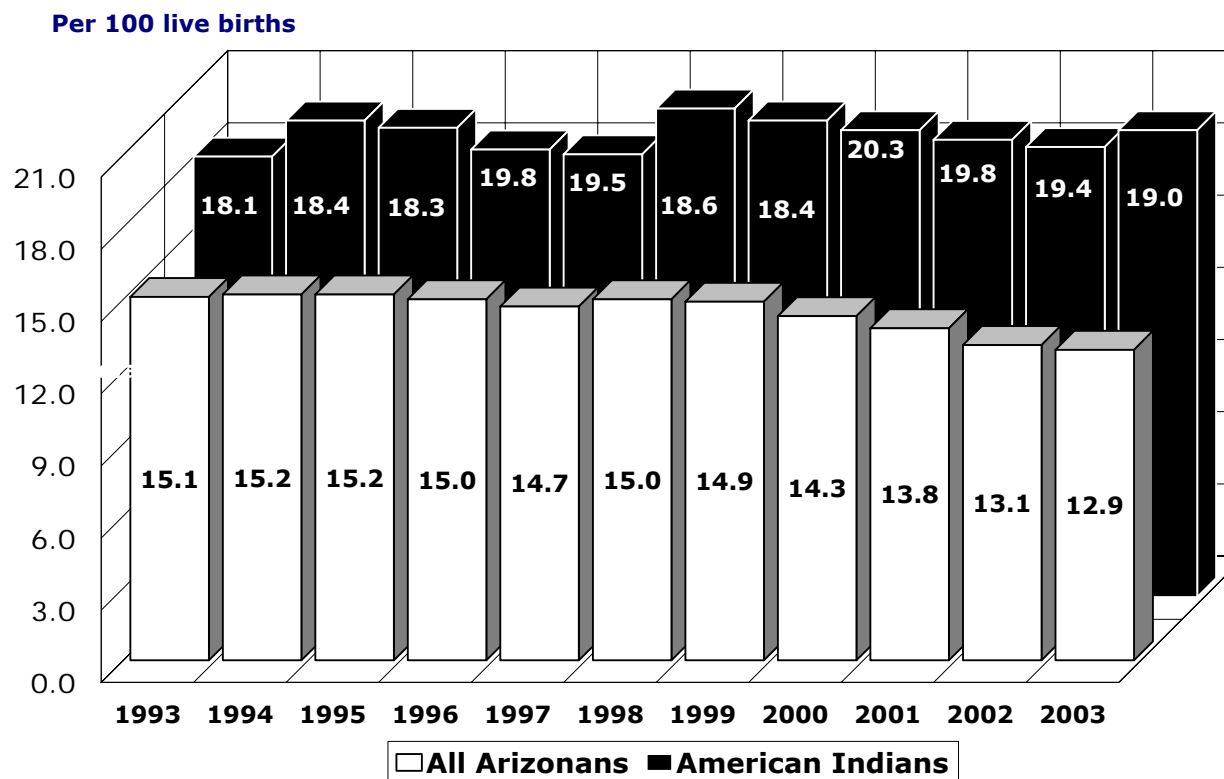
3.5. The Incidence of Fetal Alcohol Syndrome, 1993-2003

Per 1,000 live births



Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2003*.

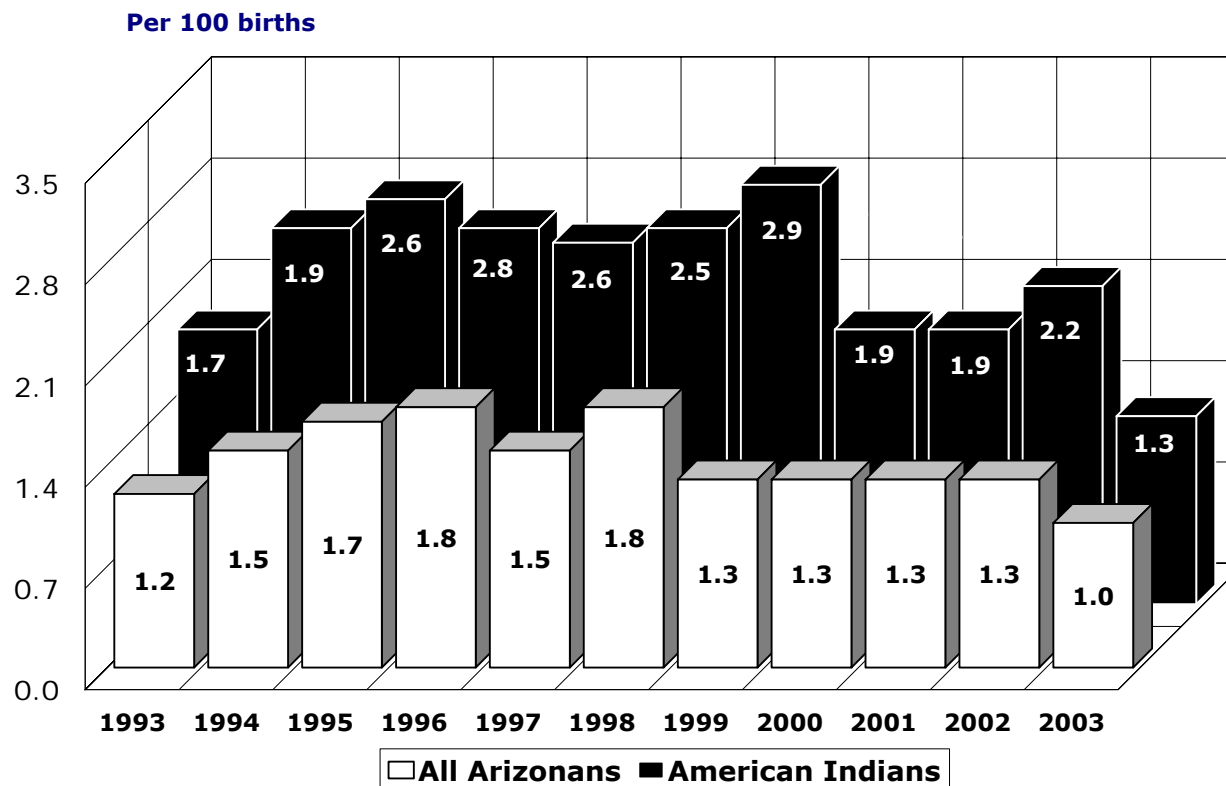
3.6.
Births to Teenage Mothers,* 1993-2003



* 19 or younger.

Source: Table 1B-2 and Table 1B-14 in *Arizona Health Status and Vital Statistics 2003*.

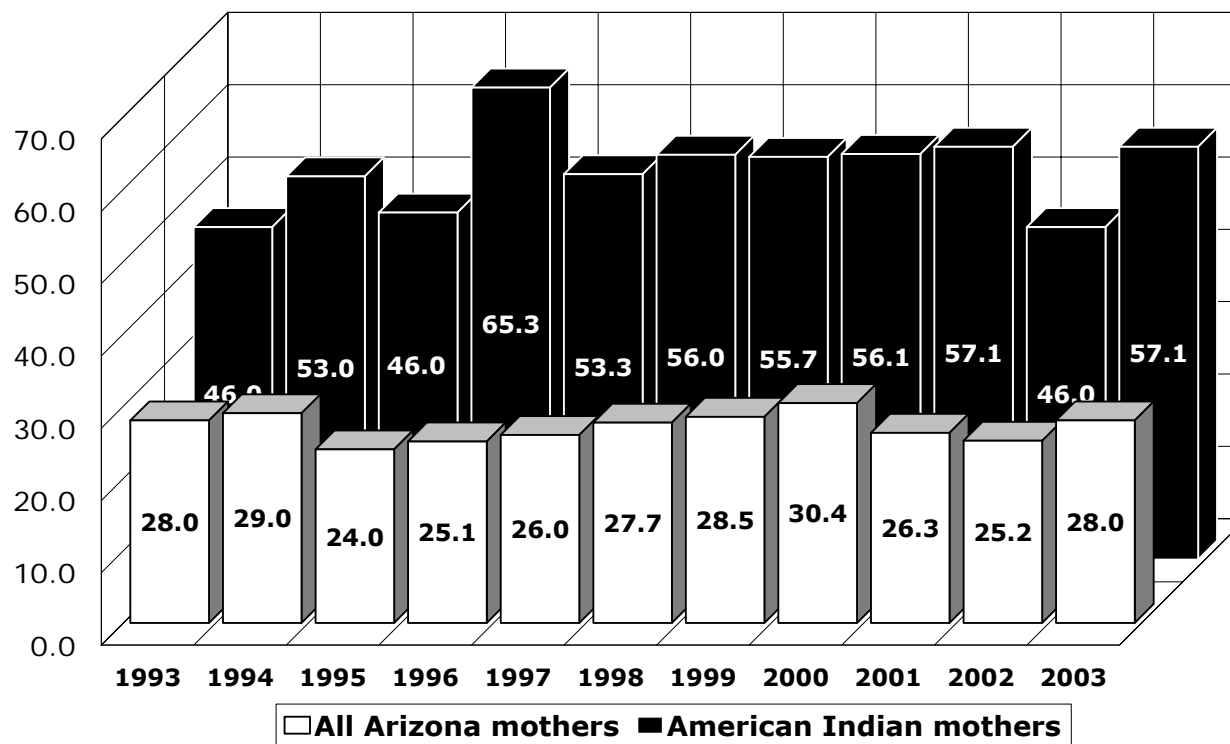
3.7. The Incidence of Birth Defects (Congenital Anomalies), 1993-2003



Source: Table 1B-35 in *Arizona Health Status and Vital Statistics 2003*.

3.8.
The Incidence of Pregnancy Associated Hypertension,
1993-2003

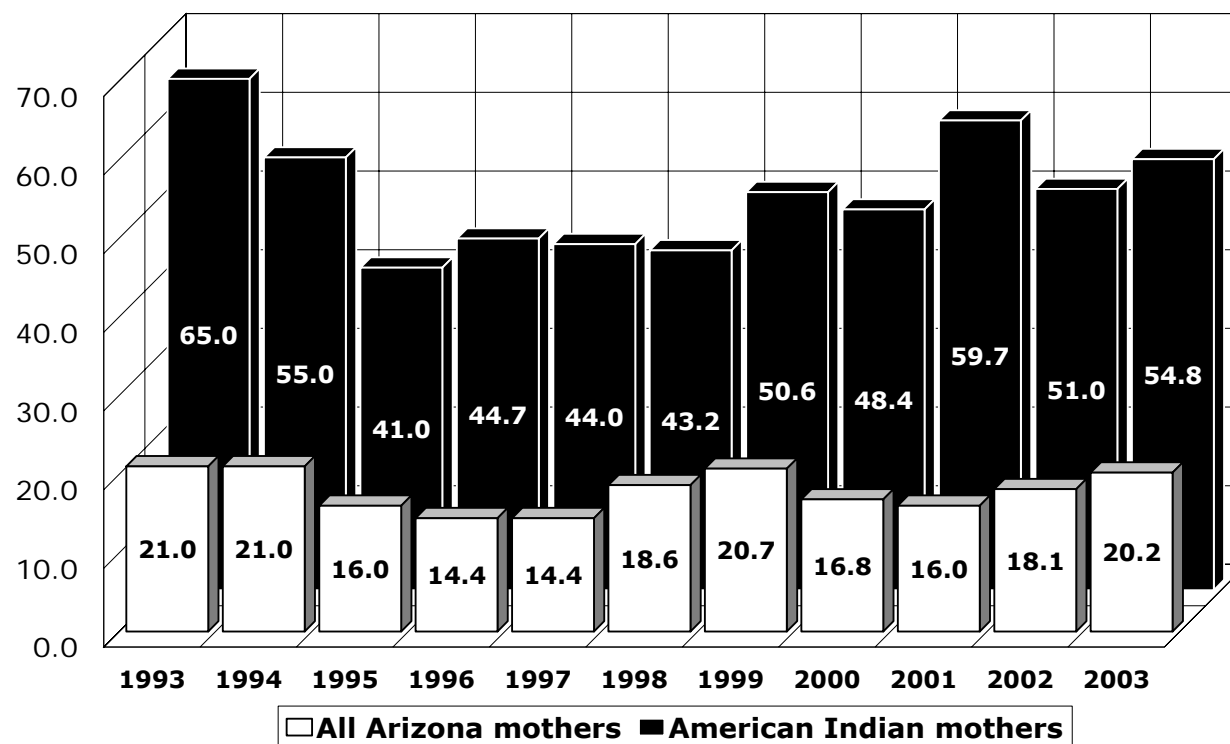
Per 1,000 births



Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2003*.

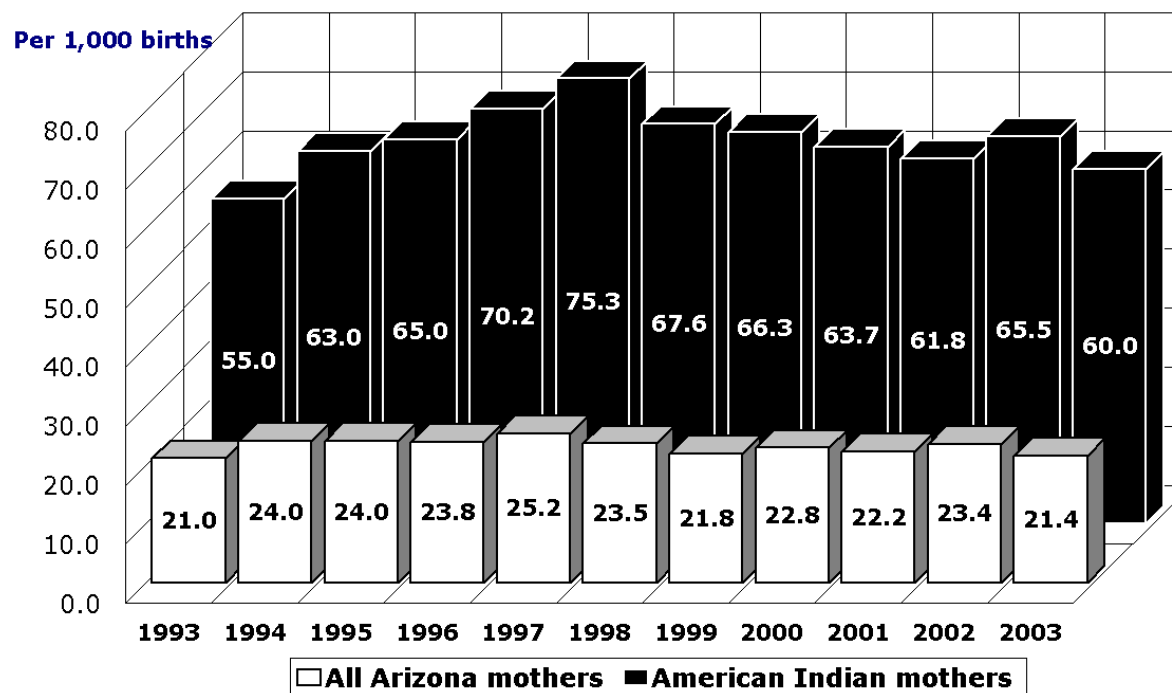
3.9. The Incidence of Anemia During Pregnancy, 1993-2003

Per 1,000 births

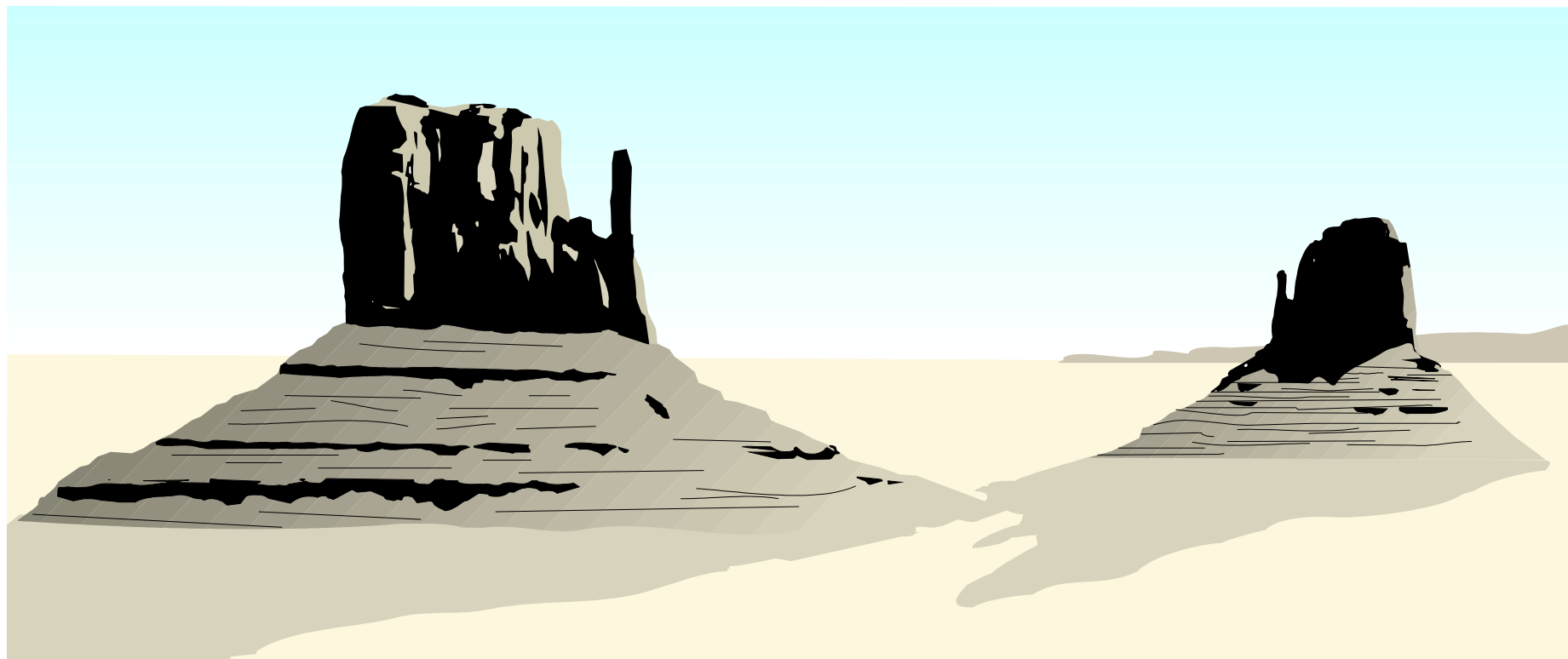


Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2003*.

3.10.
The Incidence of Diabetes During Pregnancy,
1993-2003

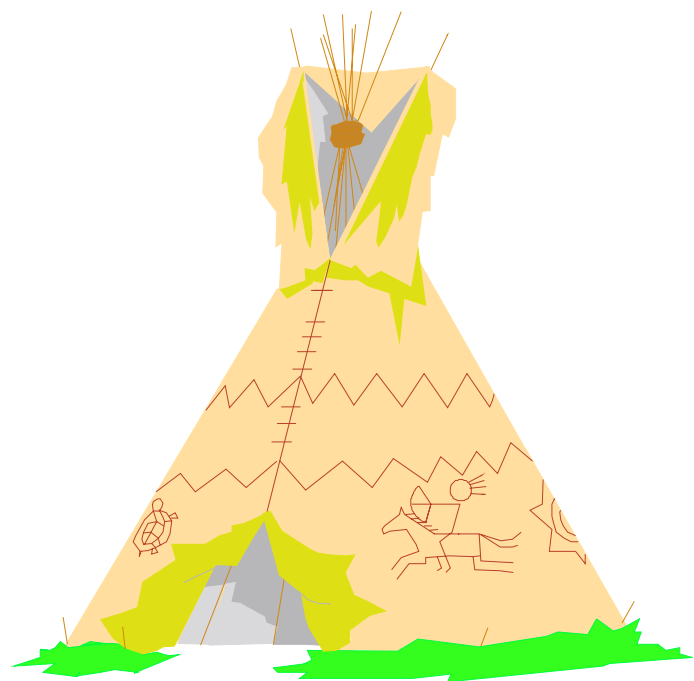


Source: Table 1B-26 in *Arizona Health Status and Vital Statistics 2003*.



IV.

CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND MOTHERS GIVING BIRTH BY PLACE OF RESIDENCE IN ARIZONA IN 2003



SOCIODEMOGRAPHIC CHARACTERISTICS

4.1
MATERNAL AGE (2003 STATUS)

		TOTAL BIRTHS	Mother's Age Group								
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	37	434	670	1,928	1,415	835	457	100	5
Resided on reservation	Ak-Chin Indian Community	13	0	1	1	5	2	3	1	0	0
	Ccocopah Tribe	11	0	2	3	2	2	2	0	0	0
	Colorado River Indian Tribes	54	0	3	6	25	12	7	0	1	0
	Fort McDowell Yavapai Nation	13	0	1	2	5	2	1	2	0	0
	Fort Mojave Indian Tribe	12	0	1	3	3	4	0	0	1	0
	Fort Yuma Quechan Tribe	12	0	1	1	6	2	2	0	0	0
	Gila River Indian Community	191	5	17	18	63	51	26	8	3	0
	Havasupai Tribe	7	0	0	0	3	0	2	2	0	0
	Hopi Tribe	123	1	8	15	30	25	26	13	4	1
	Hualapai Nation	43	1	4	3	14	11	7	3	0	0
	Navajo Nation	1,796	7	124	193	513	432	289	189	48	1
	Pascua Yaqui Tribe	184	2	13	24	62	51	23	6	3	0
	Salt River Pima-Maricopa Community	103	1	11	9	36	28	11	6	0	1
	San Carlos Apache Tribe	221	3	33	44	68	42	20	8	3	0
	Tohono O’Odham	177	2	15	30	47	34	30	16	3	0
	White Mountain Apache Tribe	287	2	29	42	99	48	32	28	7	0
	Yavapai-Apache Nation	19	0	2	0	5	7	2	3	0	0
	Yavapai Prescott Indian Tribe	9	0	2	2	3	2	0	0	0	0
	TOTAL	3,275	24	267	396	989	755	483	285	73	3
	Resided off reservation	---in Maricopa County	1,505	8	91	141	554	393	201	102	14
---in Pima County		267	3	20	27	101	68	33	10	5	0
---in Coconino County		315	1	17	25	119	86	42	23	1	1
---elsewhere in Arizona		519	1	39	81	165	113	76	37	7	0
TOTAL		2,606	13	167	274	939	660	352	172	27	2

4.2
EDUCATIONAL ATTAINMENT OF MOTHER (2003 STATUS)

		TOTAL BIRTHS	Mother's Education						
			< 8	8	9-11	12	13-16	17+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	58	164	1,716	2,168	1,563	141	71
Resided on reservation	Ak-Chin Indian Community	13	0	0	4	8	1	0	0
	Ccocopah Tribe	11	0	0	6	2	2	1	0
	Colorado River Indian Tribes	54	0	1	11	26	15	0	1
	Fort McDowell Yavapai Nation	13	0	0	6	4	2	0	1
	Fort Mojave Indian Tribe	12	0	1	2	9	0	0	0
	Fort Yuma Quechan Tribe	12	1	2	2	5	2	0	0
	Gila River Indian Community	191	3	11	72	79	24	1	1
	Havasupai Tribe	7	0	1	1	4	1	0	0
	Hopi Tribe	123	3	1	24	63	28	4	0
	Hualapai Nation	43	0	1	13	18	10	0	1
	Navajo Nation	1,796	7	32	445	723	522	39	28
	Pascua Yaqui Tribe	184	4	11	78	57	30	2	2
	Salt River Pima-Maricopa Community	103	1	1	51	29	12	1	8
	San Carlos Apache Tribe	221	2	4	90	79	42	2	2
	Tohono O’Odham	177	5	8	80	60	21	1	2
	White Mountain Apache Tribe	287	5	7	120	103	43	3	6
	Yavapai-Apache Nation	19	0	1	7	4	7	0	0
	Yavapai Prescott Indian Tribe	9	1	0	3	3	2	0	0
	TOTAL	3,275	32	82	1,015	1,276	764	54	52
Resided off reservation	---in Maricopa County	1,505	18	53	402	483	490	48	11
	---in Pima County	267	4	11	61	97	73	18	3
	---in Coconino County	315	0	3	68	113	115	14	2
	---elsewhere in AZ	519	4	15	170	199	121	7	3
	TOTAL	2,606	26	82	701	892	799	87	19

4.3
MARITAL STATUS OF MOTHER (2003 STATUS)

		TOTAL BIRTHS	Marital Status		
			Married	Unmarried	Other*
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	1,570	4,255	56
Resided on reservation	Ak-Chin Indian Community	13	3	10	0
	Ccocopah Tribe	11	2	9	0
	Colorado River Indian Tribes	54	17	36	1
	Fort McDowell Yavapai Nation	13	3	10	0
	Fort Mojave Indian Tribe	12	5	6	1
	Fort Yuma Quechan Tribe	12	4	7	1
	Gila River Indian Community	191	32	158	1
	Havasupai Tribe	7	2	5	0
	Hopi Tribe	123	31	91	1
	Hualapai Nation	43	7	36	0
	Navajo Nation	1,796	466	1,316	14
	Pascua Yaqui Tribe	184	42	140	2
	Salt River Pima-Maricopa Community	103	26	77	0
	San Carlos Apache Tribe	221	41	177	3
	Tohono O’Odham	177	19	157	1
	White Mountain Apache Tribe	287	85	199	3
	Yavapai-Apache Nation	19	3	15	1
	Yavapai Prescott Indian Tribe	9	1	8	0
	TOTAL	3,275	789	2,457	29
	Resided off reservation	---in Maricopa County	1,505	451	1,037
---in Pima County		267	82	183	2
---in Coconino County		315	94	219	2
---elsewhere in Arizona		519	154	359	6
TOTAL		2,606	781	1,798	27

*Refused", "Yes, divorced", "Unknown".

4.4
RACE/ETHNICITY OF FATHER (2003 STATUS)

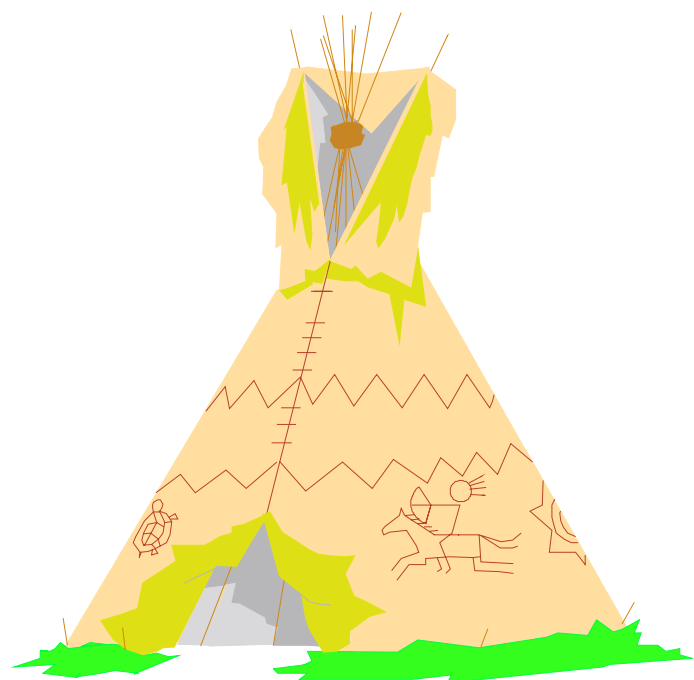
		TOTAL BIRTHS	White non- Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	250	403	88	3,020	26	2,094
Resided on reservation	Ak-Chin Indian Community	13	0	2	1	5	0	5
	Cocopah Tribe	11	1	1	0	4	0	5
	Colorado River Indian Tribes	54	6	5	0	26	0	17
	Fort McDowell Yavapai Nation	13	0	0	1	7	0	5
	Fort Mojave Indian Tribe	12	2	1	0	6	0	3
	Fort Yuma Quechan Tribe	12	2	3	0	3	0	4
	Gila River Indian Community	191	3	10	2	85	0	91
	Havasupai Tribe	7	0	0	0	4	0	3
	Hopi Tribe	123	1	3	0	85	0	34
	Hualapai Nation	43	0	1	1	21	0	20
	Navajo Nation	1,796	9	13	11	1,193	6	564
	Pascua Yaqui Tribe	184	6	43	2	59	0	74
	Salt River Pima-Maricopa Community	103	3	4	0	47	0	49
	San Carlos Apache Tribe	221	0	5	3	143	0	70
	Tohono O'Odham	177	1	1	0	86	0	89
	White Mountain Apache Tribe	287	2	2	0	213	0	70
	Yavapai-Apache Nation	19	0	5	0	7	0	7
	Yavapai Prescott Indian Tribe	9	2	1	0	2	0	4
	TOTAL	3,275	38	100	21	1,996	6	1,114
Resided off reservation	---in Maricopa County	1,505	111	203	50	571	16	554
	---in Pima County	267	32	37	10	93	2	93
	---in Coconino County	315	15	12	1	171	1	115
	---elsewhere in Arizona	519	54	51	6	189	1	218
	TOTAL	2,606	212	303	67	1,024	20	980

4.5
AGE OF FATHER (2003 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+	Un- known
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	2	84	256	1,113	1,091	684	429	179	79	17	11	1,936
Resided on reservation	Ak-Chin Indian Community	13	0	0	0	5	0	2	0	1	0	0	0	5
	Cocopah Tribe	11	0	1	1	1	2	1	0	0	0	0	0	5
	Colorado River Indian Tribes	54	0	1	5	14	11	7	1	2	0	0	0	13
	Fort McDowell Yavapai Nation	13	0	0	0	3	2	2	1	0	0	0	0	5
	Fort Mojave Indian Tribe	12	0	0	1	3	2	1	1	0	0	1	0	3
	Fort Yuma Quechan Tribe	12	0	0	1	3	3	1	0	0	0	0	0	4
	Gila River Indian Community	191	0	4	15	34	26	9	9	4	3	0	1	86
	Havasupai Tribe	7	0	0	0	1	1	0	0	0	2	0	0	3
	Hopi Tribe	123	0	5	2	21	20	24	12	4	2	0	0	33
	Hualapai Nation	43	0	1	1	1	9	5	4	1	1	0	0	20
	Navajo Nation	1,796	0	21	77	305	319	233	179	74	23	9	6	550
	Pascua Yaqui Tribe	184	1	3	9	33	30	20	10	5	1	0	0	72
	Salt River Pima-Maricopa Community	103	0	1	6	17	14	7	5	1	3	0	0	49
	San Carlos Apache Tribe	221	1	9	18	62	34	13	9	3	1	1	0	70
	Tohono O'Odham	177	0	3	11	19	30	13	5	5	2	0	0	89
	White Mountain Apache Tribe	287	0	4	22	77	45	39	15	6	11	1	0	67
	Yavapai-Apache Nation	19	0	1	0	5	3	1	1	0	1	0	0	7
	Yavapai Prescott Indian Tribe	9	0	0	0	6	1	0	0	0	0	0	0	2
	TOTAL	3,275	2	54	169	610	552	378	252	106	50	12	7	1,083
Resided off reservation	---in Maricopa County	1,505	0	16	55	293	332	188	106	43	17	2	2	451
	---in Pima County	267	0	2	9	56	52	30	16	8	4	0	0	90
	---in Coconino County	315	0	3	9	57	69	36	24	8	1	1	0	107
	---elsewhere in Arizona	519	0	9	14	97	86	52	31	14	7	2	2	205
	TOTAL	2,606	0	30	87	503	539	306	177	73	29	5	4	853

4.6
SOURCE OF PAYMENT FOR LABOR AND DELIVERY (2003 STATUS)

		TOTAL BIRTHS	Payee for Birth				
			AHCCCS	IHS	Private Insurance	Self	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	3,140	1,508	829	36	368
Resided on reservation	Ak-Chin Indian Community	13	5	1	7	0	0
	Cocopah Tribe	11	7	1	3	0	0
	Colorado River Indian Tribes	54	27	3	7	1	16
	Fort McDowell Yavapai Nation	13	3	0	10	0	0
	Fort Mojave Indian Tribe	12	4	0	2	0	6
	Fort Yuma Quechan Tribe	12	11	0	1	0	0
	Gila River Indian Community	191	112	12	62	1	4
	Havasupai Tribe	7	6	0	0	0	1
	Hopi Tribe	123	37	70	6	0	10
	Hualapai Nation	43	36	0	7	0	0
	Navajo Nation	1,796	793	711	71	3	218
	Pascua Yaqui Tribe	184	132	38	12	1	1
	Salt River Pima-Maricopa Community	103	68	20	11	1	3
	San Carlos Apache Tribe	221	52	158	9	1	1
	Tohono O'Odham	177	97	54	22	1	3
	White Mountain Apache Tribe	287	167	105	12	1	2
	Yavapai-Apache Nation	19	8	2	9	0	0
	Yavapai Prescott Indian Tribe	9	7	0	2	0	0
	TOTAL	3,275	1,572	1,175	253	10	265
Resided off reservation	---in Maricopa County	1,505	867	224	364	10	40
	---in Pima County	267	152	46	66	2	1
	---in Coconino County	315	247	11	48	2	7
	---elsewhere in Arizona	519	302	52	98	12	55
	TOTAL	2,606	1,568	333	576	26	103



MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

4.7
MATERNAL WEIGHT GAIN DURING PREGNANCY (2003 STATUS)

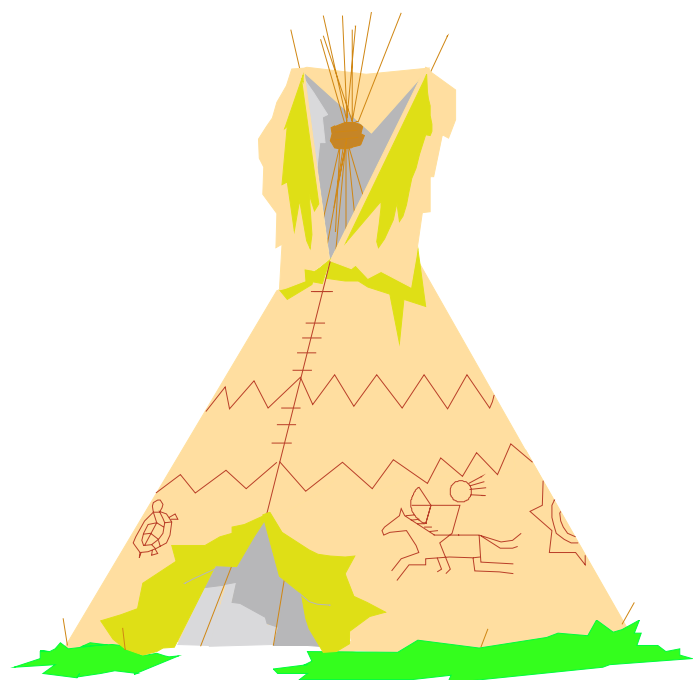
		TOTAL BIRTHS	Weght Gain						
			None	1-15 pounds	16-20 pounds	21-24 pounds	25-30 pounds	31+ pounds	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	157	968	753	392	1,199	1,775	637
Resided on reservation	Ak-Chin Indian Community	13	0	0	3	0	8	1	1
	Yavapai-Apache Nation	19	1	2	2	1	6	4	3
	Cocopah Tribe	11	0	0	0	0	8	2	1
	Colorado River Indian Tribes	54	13	4	2	0	2	3	30
	White Mountain Apache Tribe	287	2	46	36	20	29	77	77
	Fort McDowell Yavapai Nation	13	0	1	1	2	3	6	0
	Fort Mojave Indian Tribe	12	4	1	2	0	0	3	2
	Fort Yuma Quechan Tribe	12	0	0	0	0	9	3	0
	Gila River Indian Community	191	2	25	15	4	95	36	14
	Havasupai Tribe	7	1	1	2	0	2	1	0
	Hopi Tribe	123	1	25	19	8	27	17	26
	Hualapai Nation	43	0	1	9	1	15	17	0
	Navajo Nation	1,796	68	436	280	141	274	391	206
	Pascua Yaqui Tribe	184	0	25	25	18	35	71	10
	Salt River Pima-Maricopa Community	103	1	15	10	8	20	29	20
	San Carlos Apache Tribe	221	4	39	26	4	54	62	32
	Tohono O'Odham Tribe	177	3	29	26	16	38	64	1
	Yavapai-Prescott Indian Tribe	9	0	0	1	0	3	5	0
	TOTAL	3,275	100	650	459	223	628	792	423
Resided off reservation	---in Maricopa County	1,505	39	197	161	106	297	548	157
	---in Pima County	267	2	31	34	18	38	130	14
	---in Coconino County	315	3	26	35	17	82	133	19
	---elsewhere in Arizona	519	13	64	64	28	154	172	24
	TOTAL	2,606	57	318	294	169	571	983	214

4.8
MEDICAL RISK FACTORS OF PREGNANCY (2003 STATUS)

		Medical Risk Factors																		
		TOTAL BIRTHS	Births with 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		5,881	2,132	322	9	21	353	28	85	0	41	336	32	60	47	10	7	21	2	1,265
Resided on reservation	Ak-Chin Indian Community	13	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Cocopah Tribe	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Colorado River Indian Tribes	54	15	0	0	0	2	1	0	0	0	1	1	0	0	0	0	0	0	10
	Fort McDowell Yavapai Nation	13	6	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
	Fort Mojave Indian Tribe	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	Fort Yuma Quechan Tribe	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gila River Indian Community	191	43	4	1	0	14	0	1	0	1	7	1	0	0	0	0	0	0	25
	Havasupai Tribe	7	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Hopi Tribe	123	46	5	1	1	12	1	1	0	4	13	0	1	3	0	0	2	0	17
	Hualapai Nation	43	4	0	0	0	1	0	0	0	0	2	2	0	0	0	0	0	0	3
	Navajo Nation	1,796	625	99	4	8	114	2	47	0	16	113	7	34	23	6	0	3	0	278
	Pascua Yaqui Tribe	184	41	0	0	0	7	0	3	0	0	10	0	0	1	0	0	0	0	26
	Salt River Pima-Maricopa Community	103	56	12	0	1	11	4	1	0	0	5	0	0	1	0	0	0	0	37
	San Carlos Apache Tribe	221	111	27	0	1	14	1	0	0	4	15	1	2	0	0	1	0	0	66
	Tohono O'Odham	177	39	0	0	0	6	0	2	0	1	12	0	0	0	0	0	0	0	24
	White Mountain Apache Tribe	287	146	18	0	5	21	1	1	0	0	18	5	4	5	2	0	9	0	110
	Yavapai-Apache Nation	19	7	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	5
	Yavapai Prescott Indian Tribe	9	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	TOTAL	3,275	1,156	166	6	16	209	10	57	0	26	196	17	41	33	8	1	14	1	619
Resided off reservation	---in Maricopa County	1,505	648	128	2	3	89	9	22	0	4	64	5	12	10	1	4	2	1	451
	---in Pima County	267	72	7	0	0	12	1	0	0	0	17	5	0	2	0	2	0	0	44
	---in Coconino County	315	113	3	0	0	20	4	3	0	6	37	4	1	0	0	0	4	0	54
	---elsewhere in Arizona	519	143	18	1	2	23	4	3	0	5	22	1	6	2	1	0	1	0	97
	TOTAL	2,606	976	156	3	5	144	18	28	0	15	140	15	19	14	2	6	7	1	646

4.9
SUBSTANCE USE DURING PREGNANCY (2003 STATUS)

		TOTAL BIRTHS	Substance Use			
			Drinker, nonsmoker	Smoker, nondrinker	Smoker and drinker	Nonsmoker and nondrinker
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	83	127	59	5,612
Resided on reservation	Ak-Chin Indian Community	13	0	0	0	13
	Cocopah Tribe	11	0	0	0	11
	Colorado River Indian Tribes	54	0	2	1	51
	Fort McDowell Yavapai Nation	13	0	1	0	12
	Fort Mojave Indian Tribe	12	0	1	0	11
	Fort Yuma Quechan Tribe	12	0	0	0	12
	Gila River Indian Community	191	2	4	1	184
	Havasupai Tribe	7	0	0	0	7
	Hopi Tribe	123	4	1	0	118
	Hualapai Nation	43	0	2	2	39
	Navajo Nation	1,796	21	15	9	1,751
	Pascua Yaqui Tribe	184	0	3	3	178
	Salt River Pima-Maricopa Community	103	2	3	1	97
	San Carlos Apache Tribe	221	9	3	4	205
	Tohono O'Odham	177	4	1	2	170
	White Mountain Apache Tribe	287	19	9	6	253
	Yavapai-Apache Nation	19	0	1	0	18
	Yavapai Prescott Indian Tribe	9	0	2	0	7
	TOTAL	3,275	61	48	29	3,137
Resided off reservation	---in Maricopa County	1,505	15	55	16	1,419
	---in Pima County	267	0	3	4	260
	---in Coconino County	315	3	1	2	309
	---elsewhere in Arizona	519	4	20	8	487
	TOTAL	2,606	22	79	30	2,475



Utilization of Medical Services

4.10
TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN (2003 STATUS)

		TOTAL BIRTHS	Prenatal Care				
			No care	1st Trimester	2nd Trimester	3rd Trimester	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	144	4,045	1,217	350	125
Resided on reservation	Ak-Chin Indian Community	13	0	13	0	0	0
	Cocopah Tribe	11	0	5	4	2	0
	Colorado River Indian Tribes	54	2	30	5	2	15
	Fort McDowell Yavapai Nation	13	0	9	3	1	0
	Fort Mojave Indian Tribe	12	0	6	2	2	2
	Fort Yuma Quechan Tribe	12	0	6	5	1	0
	Gila River Indian Community	191	4	170	13	3	1
	Havasupai Tribe	7	0	3	0	0	4
	Hopi Tribe	123	3	77	33	7	3
	Hualapai Nation	43	0	24	1	0	18
	Navajo Nation	1,796	23	1,140	481	124	28
	Pascua Yaqui Tribe	184	9	125	41	9	0
	Salt River Pima-Maricopa Community	103	3	79	13	4	4
	San Carlos Apache Tribe	221	11	118	49	28	15
	Tohono O'Odham	177	10	111	40	15	1
	White Mountain Apache Tribe	287	12	183	68	21	3
	Yavapai-Apache Nation	19	1	14	3	1	0
	Yavapai Prescott Indian Tribe	9	0	6	3	0	0
	TOTAL	3,275	78	2,119	764	220	94
Resided off reservation	---in Maricopa County	1,505	45	1,186	213	55	6
	---in Pima County	267	7	184	53	18	5
	---in Coconino County	315	1	238	61	11	4
	---elsewhere in Arizona	519	13	318	126	46	16
	TOTAL	2,606	66	1,926	453	130	31

4.11
NUMBER OF PRENATAL VISITS (2003 STATUS)

		TOTAL BIRTHS	Prenatal Visits					Unknown
			No visits	1-4 visits	5-8 visits	9-12 visits	13+ visits	
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	144	548	1,454	2,387	1,197	151
Resided on reservation	Ak-Chin Indian Community	13	0	0	0	11	2	0
	Cocopah Tribe	11	0	3	4	2	2	0
	Colorado River Indian Tribes	54	2	8	7	11	9	17
	Fort McDowell Yavapai Nation	13	0	1	3	7	2	0
	Fort Mojave Indian Tribe	12	0	1	4	1	1	5
	Fort Yuma Quechan Tribe	12	0	0	3	7	2	0
	Gila River Indian Community	191	4	5	17	150	13	2
	Havasupai Tribe	7	0	1	1	3	0	2
	Hopi Tribe	123	3	14	36	38	30	2
	Hualapai Nation	43	0	2	18	15	2	6
	Navajo Nation	1,796	23	193	513	663	373	31
	Pascua Yaqui Tribe	184	9	10	38	62	65	0
	Salt River Pima-Maricopa Community	103	3	9	30	35	15	11
	San Carlos Apache Tribe	221	11	54	77	46	17	16
	Tohono O'Odham	177	10	22	49	60	34	2
	White Mountain Apache Tribe	287	12	39	96	104	33	3
	Yavapai-Apache Nation	19	1	2	6	8	2	0
	Yavapai Prescott Indian Tribe	9	0	0	2	5	2	0
	TOTAL	3,275	78	364	904	1,228	604	97
Resided off reservation	---in Maricopa County	1,505	45	78	279	700	374	29
	---in Pima County	267	7	20	67	94	74	5
	---in Coconino County	315	1	12	56	155	83	8
	---elsewhere in Arizona	519	13	74	148	210	62	12
	TOTAL	2,606	66	184	550	1,159	593	54

4.12
OBSTETRIC PROCEDURES (2003 STATUS)

		TOTAL BIRTHS	Obstetric Procedures						
			Amniocentesis	Electronic Fetal Monitoring	Induction of labor	Stimulation of labor	Tocolysis	Ultrasound	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,519	45	5,022	888	793	128	3,399	567
Resided on reservation	Ak-Chin Indian Community	13	0	13	1	0	1	11	4
	Cocopah Tribe	11	0	11	1	0	1	11	1
	Colorado River Indian Tribes	40	0	36	3	2	0	11	4
	Fort McDowell Yavapai Nation	12	2	7	3	2	0	7	0
	Fort Mojave Indian Tribe	8	0	4	0	2	0	5	2
	Fort Yuma Quechan Tribe	12	0	12	0	0	1	12	0
	Gila River Indian Community	188	1	186	15	13	7	155	54
	Havasupai Tribe	7	0	7	2	2	0	1	0
	Hopi Tribe	108	0	101	26	16	0	33	3
	Hualapai Nation	43	1	43	9	8	0	0	0
	Navajo Nation	1,622	11	1,532	295	242	19	939	42
	Pascua Yaqui Tribe	181	0	136	4	8	0	153	9
	Salt River Pima-Maricopa Community	99	2	96	22	16	1	58	8
	San Carlos Apache Tribe	213	1	165	28	31	38	130	47
	Tohono O'Odham	174	0	127	0	1	0	163	2
	White Mountain Apache Tribe	275	2	241	48	76	14	249	130
	Yavapai-Apache Nation	19	0	19	1	0	0	14	0
	Yavapai Prescott Indian Tribe	9	0	9	4	3	0	7	1
	TOTAL	3,034	20	2,745	462	422	82	1,959	307
Resided off reservation	---in Maricopa County	1,445	16	1,336	234	244	27	780	190
	---in Pima County	265	1	224	32	20	0	252	10
	---in Coconino County	306	5	291	105	49	0	102	3
	---elsewhere in Arizona	469	3	426	55	58	19	306	57
	TOTAL	2,485	25	2,277	426	371	46	1,440	260

4.13
COMPLICATIONS OF LABOR AND DELIVERY (2003 STATUS)

		TOTAL BIRTHS	Births with complications	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		5,881	1,747	90	237	223	17	13	105	1	108	83	141	176	32	9	2	167	809
Resided on reservation	Ak-Chin Indian Community	13	3	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
	Cocopah Tribe	11	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	Colorado River Indian Tribes	54	15	1	3	1	0	0	0	0	0	0	0	1	0	0	0	0	10
	Fort McDowell Yavapai Nation	13	4	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
	Fort Mojave Indian Tribe	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	Fort Yuma Quechan Tribe	12	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	Gila River Indian Community	191	15	0	4	1	0	0	0	0	0	0	0	5	0	1	0	4	6
	Havasupai Tribe	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hopi Tribe	123	38	2	4	4	0	1	4	0	6	3	6	4	1	0	0	5	7
	Hualapai Nation	43	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
	Navajo Nation	1,796	623	44	85	108	6	5	61	1	64	44	78	57	17	5	1	64	163
	Pascua Yaqui Tribe	184	43	1	11	9	0	0	2	0	1	1	2	3	0	3	0	2	21
	Salt River Pima-Maricopa Community	103	34	0	6	9	0	1	2	0	5	0	2	4	1	0	0	2	14
	San Carlos Apache Tribe	221	54	1	7	2	1	0	4	0	4	0	1	4	0	0	1	5	34
	Tohono O'Odham	177	29	0	8	3	0	1	1	0	2	0	0	4	0	0	0	6	7
	White Mountain Apache Tribe	287	119	3	9	5	2	0	10	0	2	8	17	17	2	0	0	32	81
	Yavapai-Apache Nation	19	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	1
	Yavapai Prescott Indian Tribe	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	TOTAL	3,275	998	54	138	142	9	9	84	1	87	57	106	101	21	9	2	123	361
Resided off reservation	---in Maricopa County	1,505	432	29	66	57	5	2	16	0	13	21	23	46	8	0	0	22	221
	---in Pima County	267	78	4	15	7	1	0	0	0	1	0	1	6	0	0	0	3	57
	---in Coconino County	315	89	0	11	6	1	0	3	0	2	1	1	11	0	0	0	4	66
	---elsewhere in Arizona	519	150	3	7	11	1	2	2	0	5	4	10	12	3	0	0	15	104
	TOTAL	2,606	749	36	99	81	8	4	21	0	21	26	35	75	11	0	0	44	448

4.14
METHOD OF DELIVERY (2003 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		5,881	4,643	106	626	506	28	81
Resided on reservation	Ak-Chin Indian Community	13	11	0	2	0	0	0
	Cocopah Tribe	11	6	0	3	2	0	0
	Colorado River Indian Tribes	54	33	1	14	6	1	0
	Fort McDowell Yavapai Nation	13	10	0	0	3	0	0
	Fort Mojave Indian Tribe	12	7	0	3	2	0	2
	Fort Yuma Quechan Tribe	12	9	1	0	2	0	2
	Gila River Indian Community	191	154	0	13	24	1	0
	Havasupai Tribe	7	6	0	1	0	0	0
	Hopi Tribe	123	99	1	11	12	0	1
	Hualapai Nation	43	31	0	4	8	0	1
	Navajo Nation	1,796	1,483	56	150	107	6	18
	Pascua Yaqui Tribe	184	148	3	18	15	0	1
	Salt River Pima-Maricopa Community	103	77	4	13	9	0	2
	San Carlos Apache Tribe	221	175	0	21	25	2	5
	Tohono O'Odham	177	141	3	17	16	0	1
	White Mountain Apache Tribe	287	228	6	30	23	7	6
	Yavapai-Apache Nation	19	15	0	2	2	0	0
	Yavapai Prescott Indian Tribe	9	6	0	2	1	0	1
	TOTAL	3,275	2,639	75	304	257	17	40
Resided off reservation	---in Maricopa County	1,505	1,157	27	184	137	4	25
	---in Pima County	267	200	2	40	25	2	5
	---in Coconino County	315	249	1	34	31	0	4
	---elsewhere in Arizona	519	398	1	64	56	5	7
	TOTAL	2,606	2,004	31	322	249	11	41

4.15
ATTENDANT AT BIRTH (2003 STATUS)

		TOTAL BIRTHS	Attendant at Birth					
			M.D.	C.N.M.	Midwife	D.O.	Other	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	3,450	1,782	73	475	37	64
Resided on reservation	Ak-Chin Indian Community	13	9	0	0	4	0	0
	Cocopah Tribe	11	6	5	0	0	0	0
	Colorado River Indian Tribes	54	43	0	0	11	0	0
	Fort McDowell Yavapai Nation	13	12	1	0	0	0	0
	Fort Mojave Indian Tribe	12	9	0	0	2	0	1
	Fort Yuma Quechan Tribe	12	4	8	0	0	0	0
	Gila River Indian Community	191	134	6	0	50	1	0
	Havasupai Tribe	7	7	0	0	0	0	0
	Hopi Tribe	123	65	52	0	6	0	0
	Hualapai Nation	43	28	0	0	14	1	0
	Navajo Nation	1,796	575	1,062	51	62	6	40
	Pascua Yaqui Tribe	184	120	57	0	0	7	0
	Salt River Pima-Maricopa Community	103	65	36	1	1	0	0
	San Carlos Apache Tribe	221	204	13	0	3	0	1
	Tohono O’Odham	177	164	4	0	1	8	0
	White Mountain Apache Tribe	287	160	8	0	118	1	0
	Yavapai-Apache Nation	19	18	1	0	0	0	0
	Yavapai Prescott Indian Tribe	9	9	0	0	0	0	0
	TOTAL	3,275	1,632	1,253	52	272	24	42
	Resided off reservation	---in Maricopa County	1,505	950	436	10	104	1
---in Pima County		267	236	18	0	5	7	1
---in Coconino County		315	287	15	0	10	1	2
---elsewhere in Arizona		519	345	60	11	84	4	15
TOTAL		2,606	1,818	529	21	203	13	22



Newborn's Health

4.16
GESTATIONAL AGE (2003 STATUS)

		TOTAL BIRTHS	Length of Gestation				
			<37 weeks	37 weeks	38-43 weeks	43+ weeks	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	579	480	4,787	5	30
Resided on reservation	Ak-Chin Indian Community	13	2	2	9	0	0
	Cocopah Tribe	11	0	2	9	0	0
	Colorado River Indian Tribes	54	9	3	28	0	14
	Fort McDowell Yavapai Nation	13	1	2	10	0	0
	Fort Mojave Indian Tribe	12	1	0	5	0	6
	Fort Yuma Quechan Tribe	12	0	2	10	0	0
	Gila River Indian Community	191	24	12	155	0	0
	Havasupai Tribe	7	1	0	6	0	0
	Hopi Tribe	123	14	13	94	1	1
	Hualapai Nation	43	8	2	33	0	0
	Navajo Nation	1,796	149	124	1,518	2	3
	Pascua Yaqui Tribe	184	27	15	142	0	0
	Salt River Pima-Maricopa Community	103	8	6	89	0	0
	San Carlos Apache Tribe	221	22	24	173	0	2
	Tohono O'Odham	177	18	16	143	0	0
	White Mountain Apache Tribe	287	50	33	204	0	0
	Yavapai-Apache Nation	19	0	4	15	0	0
	Yavapai Prescott Indian Tribe	9	0	0	9	0	0
	TOTAL	3,275	334	260	2,652	3	26
Resided off reservation	---in Maricopa County	1,505	137	123	1,244	0	1
	---in Pima County	267	32	21	214	0	0
	---in Coconino County	315	21	24	266	2	2
	---elsewhere in Arizona	519	55	52	411	0	1
	TOTAL	2,606	245	220	2,135	2	4

4.17
WEIGHT AT BIRTH (2003 STATUS)

		TOTAL BIRTHS	Weight at Birth					
			<1,000 grams	1,000-1,499	1,500-2,499	2,500-3,999	4000+	Unknown
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	25	28	349	4,938	529	12
Resided on reservation	Ak-Chin Indian Community	13	0	0	2	11	0	0
	Cocopah Tribe	11	0	0	1	10	0	0
	Colorado River Indian Tribes	54	0	0	1	48	5	0
	Fort McDowell Yavapai Nation	13	0	0	0	11	2	0
	Fort Mojave Indian Tribe	12	0	0	1	10	1	0
	Fort Yuma Quechan Tribe	12	0	0	0	9	3	0
	Gila River Indian Community	191	0	0	11	166	14	0
	Havasupai Tribe	7	0	0	0	7	0	0
	Hopi Tribe	123	0	0	11	103	9	0
	Hualapai Nation	43	0	1	5	35	2	0
	Navajo Nation	1,796	5	12	104	1,529	137	9
	Pascua Yaqui Tribe	184	1	1	16	143	23	0
	Salt River Pima-Maricopa Community	103	1	0	1	93	8	0
	San Carlos Apache Tribe	221	1	0	15	192	13	0
	Tohono O’Odham	177	0	0	9	152	16	0
	White Mountain Apache Tribe	287	0	1	23	253	10	0
	Yavapai-Apache Nation	19	0	0	0	16	3	0
	Yavapai Prescott Indian Tribe	9	0	0	0	9	0	0
	TOTAL	3,275	8	15	200	2,797	246	9
	Resided off reservation	---in Maricopa County	1,505	6	9	75	1,232	183
---in Pima County		267	2	1	23	209	32	0
---in Coconino County		315	2	1	20	271	19	2
---elsewhere in Arizona		519	7	2	31	429	49	1
TOTAL		2,606	17	13	149	2,141	283	3

4.18
ABNORMAL CONDITIONS OF THE NEWBORN (2003 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.	Seizures	Other
ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		5,881	342	7	6	0	18	14	44	65	15	242
Resided on reservation	Ak-Chin Indian Community	13	0	0	0	0	0	0	0	0	0	0
	Cocopah Tribe	11	2	0	0	0	0	0	0	1	0	2
	Colorado River Indian Tribes	54	9	0	0	0	0	0	4	0	0	6
	Fort McDowell Yavapai Nation	13	0	0	0	0	0	0	0	0	0	0
	Fort Mojave Indian Tribe	12	2	0	0	0	0	0	0	0	0	2
	Fort Yuma Quechan Tribe	12	1	0	0	0	0	0	0	1	0	1
	Gila River Indian Community	191	5	0	0	0	1	0	0	1	2	3
	Havasupai Tribe	7	0	0	0	0	0	0	0	0	0	0
	Hopi Tribe	123	6	1	0	0	0	0	1	0	0	4
	Hualapai Nation	43	2	0	0	0	0	1	1	0	0	0
	Navajo Nation	1,796	90	5	1	0	0	8	16	21	2	46
	Pascua Yaqui Tribe	184	6	0	0	0	0	0	1	0	0	6
	Salt River Pima-Maricopa Community	103	4	0	0	0	0	1	1	1	0	1
	San Carlos Apache Tribe	221	25	0	0	0	0	1	0	0	1	23
	Tohono O'Odham	177	4	0	0	0	0	0	0	0	0	4
	White Mountain Apache Tribe	287	27	1	2	0	7	0	2	13	0	16
	Yavapai-Apache Nation	19	2	0	0	0	0	0	0	2	0	0
	Yavapai Prescott Indian Tribe	9	0	0	0	0	0	0	0	0	0	0
	TOTAL	3,275	185	7	3	0	8	11	26	40	5	114
Resided off reservation	---in Maricopa County	1,505	73	0	1	0	6	2	4	2	4	65
	---in Pima County	267	29	0	0	0	0	0	12	1	1	28
	---in Coconino County	315	21	0	0	0	0	0	0	5	2	14
	---elsewhere in Arizona	519	34	0	2	0	4	1	2	17	3	21
	TOTAL	2,606	157	0	3	0	10	3	18	25	10	128

4.19
CONGENITAL ANOMALIES (BIRTH DEFECTS) (2003 STATUS)

			Congenital Anomalies																								
		TOTAL BIRTHS	Births with congenital anomalies	Anencephalus	Spina Bifida	Hydrocephalus	Microcephalus	Other CNS Anomaly	Heart Malformations	Other Respiratory /Circulatory	Rectal Atresia	Fistula/Esoph. Atresia	Omphalocele	Other Gastrointestinal	Malformed Genitalia	Renal Agenesis	Other Urogenital	Cleft Lip/Palate	Polydactyly	Club Foot	Diaphragmatic Hernia	Other Muscoskeletal	Down's Syndrome	Other Chromosomal	Other		
ALL AMERICAN INDIANS				5,881	76	0	0	0	0	0	2	3	0	0	2	0	1	0	3	14	3	0	1	2	6	1	41
Resided on reservation	Ak-Chin Indian Community	13	0	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	11	0	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 Tribes	54	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
	Fort McDowell Yavapai Nation	13	0	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	12	0	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	12	0	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	191	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
	Havasupai Tribe	7	0	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	123	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	Hualapai Nation	43	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	
	Navajo Nation	1,796	23	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	5	1	0	0	1	4	0	10	
	Pascua Yaqui Tribe	184	0	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	103	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
	San Carlos Apache Tribe	221	8	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	1	0	4	
	Tohono O’Odham	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	White Mountain Apache Tribe	287	10	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	1	6	
	Yavapai-Apache Nation	19	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Yavapai Prescott Indian 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	0	
	TOTAL	3,275	51	0	0	0	0	0	0	2	2	0	0	1	0	1	0	3	8	3	0	1	1	5	1	26	
	Resided off reservation	---in Maricopa County	1,505	12	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	1	0	6	
---in Pima County		267	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1		
---in Coconino County		315	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	2		
---elsewhere in Arizona		519	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6		
TOTAL		2,606	25	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	6	0	0	0	1	1	0	15	

4.20
CAUSES OF INFANT DEATH AMONG AMERICAN INDIAN RESIDENTS, ARIZONA, 2003

	Total	Resided on reservation							Resided off reservation				
		Colorado River Indian Tribes	Navajo Nation	Pascua Yaqui Tribe	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	44	1	8	2	2	3	3	19	11	3	4	7	25
Congenital malformations	7	0	2	0	0	0	0	2	3	0	1	1	5
---Congenital malformations of heart	3	0	0	0	0	0	0	0	1	0	1	1	3
Conditions originating in the perinatal period	11	0	3	1	0	1	1	6	1	2	2	0	5
---Short gestation and low birth weight	5	0	2	0	0	1	0	3	0	0	2	0	2
---Bacterial sepsis of newborn	1	0	0	0	0	0	0	0	0	1	0	0	1
---Intrauterine hypoxia or birth asphyxia	1	0	1	0	0	0	0	1	0	0	0	0	0
---Atelectasis	2	0	0	0	0	0	1	1	0	1	0	0	1
Assault (homicide)	5	0	1	0	0	1	0	2	2	0	0	1	3
Sudden death, unknown cause	4	1	0	1	0	0	0	2	0	0	0	2	2
---Sudden infant death syndrome	2	0	0	1	0	0	0	1	0	0	0	1	1
---Other sudden death	2	1	0	0	0	0	0	1	0	0	0	1	1
Accident (unintentional injury)	3	0	0	0	1	0	0	1	1	1	0	0	2
Influenza and pneumonia	3	0	1	0	0	0	1	2	1	0	0	0	1
Diseases of the circulatory system	1	0	1	0	0	0	0	1	0	0	0	0	0
Diseases of heart	1	0	1	0	0	0	0	1	0	0	0	0	0

4.21
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2003

		TOTAL STATE	APACHE	COCHISE	COCONINO	GILA	GRAHAM	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA	LA PAZ	UNKNOWN
TOTAL		5,881	1,052	14	747	195	56	1,673	77	966	600	341	3	52	40	55	10
Mother's age group	<15	37	3	0	4	3	0	10	1	4	7	5	0	0	0	0	0
	15-17	434	73	2	50	28	7	104	8	71	48	32	0	5	3	3	0
	18-19	670	122	1	70	33	14	154	9	124	80	43	0	8	5	6	1
	20-24	1,928	282	3	248	64	18	616	25	299	196	117	0	19	12	26	3
	25-29	1,415	257	4	182	35	10	441	18	203	145	77	3	13	11	12	4
	30-34	835	170	1	116	22	4	218	9	144	83	48	0	3	9	7	1
	35-39	457	113	2	66	6	3	114	6	98	30	15	0	3	0	0	1
	40-44	100	31	1	10	4	0	14	1	22	11	4	0	1	0	1	0
	45+	5	1	0	1	0	0	2	0	1	0	0	0	0	0	0	0
Payee for birth	AHCCCS	3,140	461	3	369	57	14	969	54	557	359	204	3	34	28	28	0
	IHS	1,508	334	1	305	124	41	251	0	290	135	21	0	2	1	3	0
	Private insurance	829	38	10	59	11	1	398	13	68	97	102	0	15	10	7	0
	Self	36	0	0	4	1	0	11	1	2	4	10	0	1	1	1	0
	Unknown	368	219	0	10	2	0	44	9	49	5	4	0	0	0	16	10
Mother's education	< 8	58	4	0	3	2	0	22	0	8	11	5	0	1	1	0	1
	8	164	16	1	11	4	0	58	3	22	27	18	0	1	2	1	0
	9-11	1,716	238	4	188	79	19	479	22	296	208	136	2	22	11	11	1
	12	2,168	439	2	286	68	21	530	37	385	208	134	0	14	15	26	3
	13-16	1,563	311	6	236	40	13	513	14	222	119	46	1	14	10	15	3
	17+	141	27	1	20	1	2	50	0	17	21	1	0	0	1	0	0
	Unknown	71	17	0	3	1	1	21	1	16	6	1	0	0	0	2	2
Marital status	Married	1,570	270	8	209	43	10	495	20	271	135	63	1	12	13	17	3
	Unmarried	4,255	777	6	532	149	45	1,161	56	686	460	275	0	38	26	37	7
	Other*	56	5	0	6	3	1	17	1	9	5	3	2	2	1	1	0
Weight gain	None	157	67	2	8	4	1	40	5	8	5	3	0	1	0	13	0
	1-16 pounds	968	231	0	165	36	6	221	5	176	81	36	0	5	0	4	2
	16-20 pounds	753	163	3	99	25	5	182	12	151	76	29	0	5	0	2	1
	21-24 pounds	392	98	0	41	5	0	119	1	72	50	5	0	1	0	0	0
	25-30 pounds	1,199	169	3	134	46	12	331	17	167	109	156	0	17	33	2	3
	31+ pounds	1,775	255	6	197	50	25	596	34	226	258	94	3	19	6	3	3
	Unknown	637	69	0	103	29	7	184	3	166	21	18	0	4	1	31	1

* "Refused", "Yes, divorced", "Unknown".

4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2003

		TOTAL STATE	APACHE	COCHISE	COCONINO	GILA	GRAHAM	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA	LA PAZ	UNKNOWN
Substance use	Drinker, nonsmoker	83	14	0	7	7	2	17	0	28	4	3	0	0	1	0	0
	Smoker, nondrinker	127	15	0	2	5	2	60	3	14	6	10	0	7	0	3	0
	Smoker and drinker	59	6	0	4	4	0	17	2	12	9	3	0	0	1	1	0
	Nonsmoker and nondrinker	5,612	1,017	14	734	179	52	1,579	72	912	581	325	3	45	38	51	10
Length of gestation	<37 weeks	579	83	3	54	22	5	152	12	110	73	47	0	3	3	9	3
	37 weeks	480	67	1	56	21	6	136	3	97	48	28	1	9	4	3	0
	38-43 weeks	4,787	899	10	631	150	45	1,384	55	757	479	266	2	40	33	29	7
	43+ weeks	5	0	0	4	0	0	0	0	1	0	0	0	0	0	0	0
	Unknown	30	3	0	2	2	0	1	7	1	0	0	0	0	0	14	0
Weight at birth	<1,000 grams	25	1	2	2	1	0	7	0	4	3	3	0	0	0	0	2
	1,000-1,499	28	11	0	1	0	0	9	2	3	2	0	0	0	0	0	0
	1,500-2,499	349	58	2	49	14	1	84	6	64	42	23	0	2	3	1	0
	2,500-3,999	4,938	902	10	633	168	50	1,375	62	835	485	287	2	44	29	49	7
	4000+	529	72	0	60	12	5	198	7	58	68	28	1	6	8	5	1
	Unknown	12	8	0	2	0	0	0	0	2	0	0	0	0	0	0	0
Prenatal care	No care	144	15	1	2	11	0	51	0	26	23	9	0	3	1	2	0
	1st trimester	4,045	627	8	543	106	34	1,313	41	614	404	267	1	33	19	31	4
	2nd trimester	1,217	302	4	167	44	10	238	9	239	126	44	2	13	14	5	0
	3rd trimester	350	94	0	20	26	3	61	2	71	41	19	0	3	6	2	2
	Unknown	125	14	1	15	8	9	10	25	16	6	2	0	0	0	15	4
Prenatal visits	No visits	144	15	1	2	11	0	51	0	26	23	9	0	3	1	2	0
	1-4 visits	548	116	2	51	40	17	92	6	118	48	38	2	5	4	8	1
	5-8 visits	1,454	297	4	163	61	25	320	30	322	149	47	0	14	12	7	3
	9-12 visits	2,387	380	4	330	51	12	772	20	352	203	215	1	21	15	11	0
	13+ visits	1,197	230	3	182	17	1	398	6	133	170	29	0	9	8	9	2
	Unknown	151	14	0	19	15	1	40	15	15	7	3	0	0	0	18	4
Newborn intensive care	Yes	249	28	1	39	10	2	63	6	40	36	13	0	1	7	3	0
	No	5,604	1,004	13	705	185	54	1,610	68	924	564	328	3	51	33	52	10
	Unknown	28	20	0	3	0	0	0	3	2	0	0	0	0	0	0	0
Obstetric procedures	Amniocentesis	45	8	0	7	2	0	20	1	3	1	3	0	0	0	0	0
	Electronic Fetal Monitoring	5,022	871	11	692	178	9	1,486	67	779	464	327	3	50	40	37	8
	Induction of labor	888	137	0	219	32	1	263	12	150	35	20	0	11	3	3	2
	Stimulation of labor	793	132	1	119	37	0	270	15	172	24	16	0	4	0	2	1
	Tocolysis	128	13	0	6	40	3	29	0	19	0	12	0	0	5	0	1

4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2003

		TOTAL STATE	APACHE	COCHISE	COCONINO	GILA	GRAHAM	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA	LA PAZ	UNKNOWN
Method of delivery	Ultrasound	3,399	654	10	223	100	50	869	10	535	562	287	3	41	40	12	3
	Other	567	27	1	14	10	42	210	3	171	14	68	0	1	1	4	1
	Vaginal	4,643	872	6	613	157	40	1,289	56	770	467	263	2	38	29	34	7
	Vaginal after C-Section	106	34	0	9	0	0	33	0	21	6	0	0	0	1	1	1
	Primary C-Section	626	85	4	70	18	9	201	9	90	72	39	1	8	4	14	2
	Repeat C-Section	506	61	4	55	20	7	150	12	85	55	39	0	6	6	6	0
	Forceps	28	6	0	0	3	0	5	0	10	2	0	1	0	0	1	0
	Vacuum	81	12	0	8	2	5	27	4	12	7	1	0	1	2	0	0
Births with medical risk factors	Total	2,132	372	8	257	105	18	736	12	376	135	66	1	24	2	16	4
Medical risk factors	Anemia	322	74	0	18	28	0	143	0	46	7	5	0	1	0	0	0
	Cardiac disease	9	3	0	1	0	0	2	0	2	0	1	0	0	0	0	0
	Lung disease	21	6	0	0	0	1	4	0	9	0	0	0	1	0	0	0
	Diabetes	353	65	1	54	10	6	105	2	57	23	22	0	5	0	2	1
	Genital herpes	28	2	0	4	0	1	13	0	4	1	1	0	0	0	2	0
	Hydramnios	85	29	1	12	0	0	24	0	11	5	2	0	0	0	0	1
	Hemoglobinopathy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Chronic hypertension	41	10	0	11	2	3	4	0	8	1	2	0	0	0	0	0
	Pregnancy associated hypertension	336	61	0	67	17	1	70	2	64	39	10	1	2	0	1	1
	Eclampsia	32	0	0	6	1	0	5	2	9	5	1	0	1	0	1	1
	Previous infant 4000+g	60	20	1	12	2	0	12	0	12	0	1	0	0	0	0	0
	Previous SGA infant	47	10	1	9	0	0	11	0	12	3	1	0	0	0	0	0
	Renal disease	10	4	0	3	0	0	1	0	2	0	0	0	0	0	0	0
	RH sensitization	7	0	0	0	1	0	4	0	0	2	0	0	0	0	0	0
	Uterine bleeding	21	1	0	5	0	0	2	0	13	0	0	0	0	0	0	0
	Incompetent cervix	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
	Other	1,265	159	7	110	67	9	514	10	238	77	40	0	19	2	11	2
Abnormal conditions of the newborn	Total	342	56	4	34	16	13	83	5	67	34	9	0	3	7	9	2
Abnormal conditions	Anemia	7	3	0	1	1	0	0	0	2	0	0	0	0	0	0	0
	Birth injury	6	1	0	0	1	0	1	1	2	0	0	0	0	0	0	0
	Fetal Alcohol Syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hyaline membrane disease	18	0	0	0	0	0	7	0	9	0	2	0	0	0	0	0
	Meconium aspiration	14	5	0	2	1	0	3	1	2	0	0	0	0	0	0	0

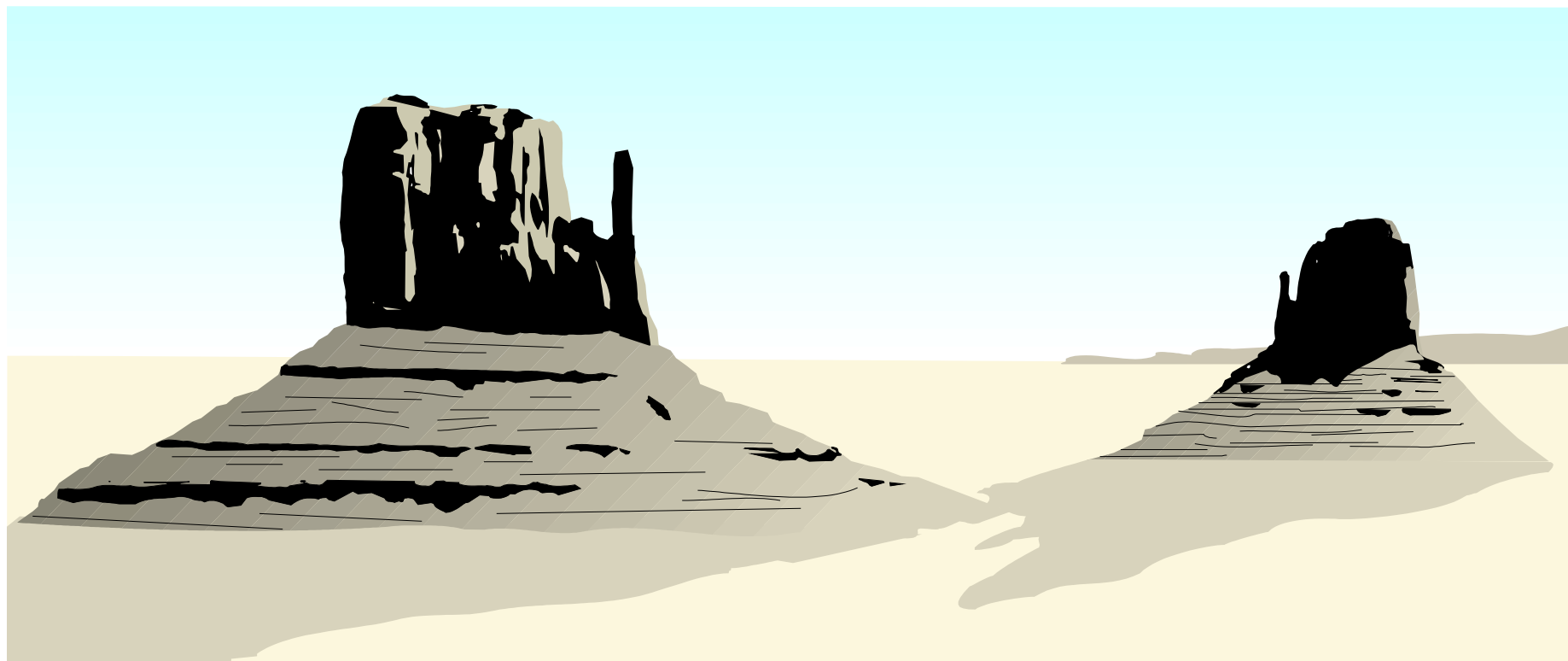
4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2003

		TOTAL STATE	APACHE	COCHISE	COCONINO	GILA	GRAHAM	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA	LA PAZ	UNKNOWN
	Assisted vent>30 min.	65	16	0	8	1	0	4	0	22	1	2	0	3	6	0	2
	Newborn seizures	15	1	0	3	2	0	4	0	2	1	2	0	0	0	0	0
	Other	242	27	4	17	14	13	72	2	41	33	7	0	0	5	6	1
Births with congenital anomalies	Total	76	9	1	11	5	3	14	2	24	3	1	0	1	0	2	0
Congenital anomalies	Anencephalus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Spina bifida	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heart malformations	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
	Other respiratory /circulatory	3	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0
	Rectal atresia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tracheo-asophageal fistula / esophageal atresia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Omphalocele/gastroschisis	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	Other gastrointestinal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Malformed genitalia	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Renal agenesis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other urogenital	3	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0
	Cleft lip/palate	14	3	0	1	0	0	4	2	2	2	0	0	0	0	0	0
	Polydactyly	3	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
	Club foot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diaphragmatic hernia	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Other muscoskeletal	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	Down's syndrome	6	0	0	1	1	0	1	0	3	0	0	0	0	0	0	0
	Other chromosomal	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Other	41	6	1	4	1	3	8	1	14	1	0	0	0	0	2	0

4.21 (continued)
COMPARISON OF SELECTED CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND WOMEN GIVING BIRTH BY
COUNTY OF RESIDENCE, ARIZONA, 2003

		TOTAL STATE	APACHE	COCHISE	COCONINO	GILA	GRAHAM	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA	LA PAZ	UNKNOWN
Births with complications	Total	1,747	350	7	234	44	18	484	11	380	140	34	0	14	10	15	6
Complications of labor and/or delivery	Febrile	90	28	0	9	1	0	31	0	14	4	2	0	0	0	1	0
	Meconium	237	51	1	23	7	0	75	0	39	32	4	0	0	2	3	0
	Rupture of membrane	223	60	0	31	1	1	67	0	36	18	3	0	0	2	1	3
	Abruptio placenta	17	3	0	2	1	0	5	0	4	1	1	0	0	0	0	0
	Placenta previa	13	3	1	1	0	0	3	0	3	1	1	0	0	0	0	0
	Other bleeding	105	21	0	23	4	0	20	0	36	1	0	0	0	0	0	0
	Seizures	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Precipitous labor	108	40	0	18	4	0	19	0	20	4	2	0	1	0	0	0
	Prolonged labor	83	18	0	18	0	0	22	0	21	0	2	0	0	1	0	1
	Dysfunctional labor	141	46	0	20	1	0	26	0	44	2	1	0	0	0	0	1
	Breech malpresentation	176	32	1	23	5	0	50	3	38	13	8	0	1	1	1	0
	Cephalopelvic disproportion	32	9	0	4	0	0	9	0	8	0	2	0	0	0	0	0
	Cord prolapse	9	3	0	1	0	0	1	0	1	2	1	0	0	0	0	0
	Anesthetic complications	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
	Fetal distress	167	35	2	23	7	0	24	0	55	11	6	0	3	1	0	0
	Other	809	85	3	105	23	17	246	11	203	79	9	0	10	6	10	2
Infant mortality	Total	44	6	0	5	3	0	15	1	7	3	3	0	0	0	1	0
	NEONATAL	18	4	0	2	2	0	3	0	3	2	2	0	0	0	0	0
	Postneonatal	26	2	0	3	1	0	12	1	4	1	1	0	0	0	1	0

Note: there were no live births or infant deaths to American Indians in Greenlee County.



V.
**PATTERNS OF MORTALITY AMONG AMERICAN INDIANS
BY PLACE OF RESIDENCE IN ARIZONA
IN 2003**



AGE-SPECIFIC MORTALITY

5.1
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIANS IN 2003

		TOTAL DEATHS	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		1527	44	14	27	120	119	190	209	190	239	218	157
Resided on reservation	Ak-Chin Indian Community	2	0	0	0	0	1	0	0	0	0	0	1
	Cocopah Tribe	4	0	0	0	0	1	0	0	1	0	1	1
	Colorado River Indian Tribes	26	1	0	0	2	2	1	4	4	1	3	8
	Fort McDowell Yavapai Nation	7	0	0	0	1	0	1	3	0	0	1	1
	Fort Mojave Indian Tribe	1	0	0	0	0	0	0	0	0	0	1	0
	Fort Yuma Quechan Tribe	2	0	0	0	0	0	0	0	0	1	1	0
	Gila River Indian Community	79	0	0	3	13	7	8	13	10	12	9	4
	Havasupai Tribe	4	0	0	0	0	0	1	1	0	2	0	0
	Hopi Tribe	62	0	1	1	7	5	7	10	4	10	8	9
	Hualapai Nation	14	0	0	0	1	1	3	1	3	3	1	1
	Kaibab-Paiute Tribe	2	0	0	0	0	0	0	0	1	0	0	1
	Navajo Nation	465	8	4	7	39	29	54	42	45	66	96	75
	Pascua Yaqui Tribe	56	2	0	3	1	2	10	5	11	14	7	1
	Salt River Pima-Maricopa Community	24	2	0	1	1	2	8	3	4	3	0	0
	San Carlos Apache Tribe	62	3	1	0	6	1	9	12	9	11	7	3
	Tohono O'Odham Tribe	111	0	0	2	3	8	13	20	16	21	18	10
	White Mountain Apache Tribe	100	3	3	3	14	13	14	13	15	12	9	1
	Yavapai-Apache Nation	6	0	0	0	1	0	0	2	1	1	1	0
	Yavapai-Prescott Indian Tribe	5	0	0	2	0	0	0	2	0	0	1	0
	TOTAL	1032	19	9	22	89	72	129	131	124	157	164	116
Resided off reservation	---in Maricopa County	234	11	3	0	15	29	35	38	27	33	27	16
	---in Pima County	66	3	0	0	6	4	10	14	11	14	2	2
	---in Coconino County	34	4	2	2	1	5	3	5	4	5	1	2
	---elsewhere in Arizona	161	7	0	3	9	9	13	21	24	30	24	21
	TOTAL	495	25	5	5	31	47	61	78	66	82	54	41

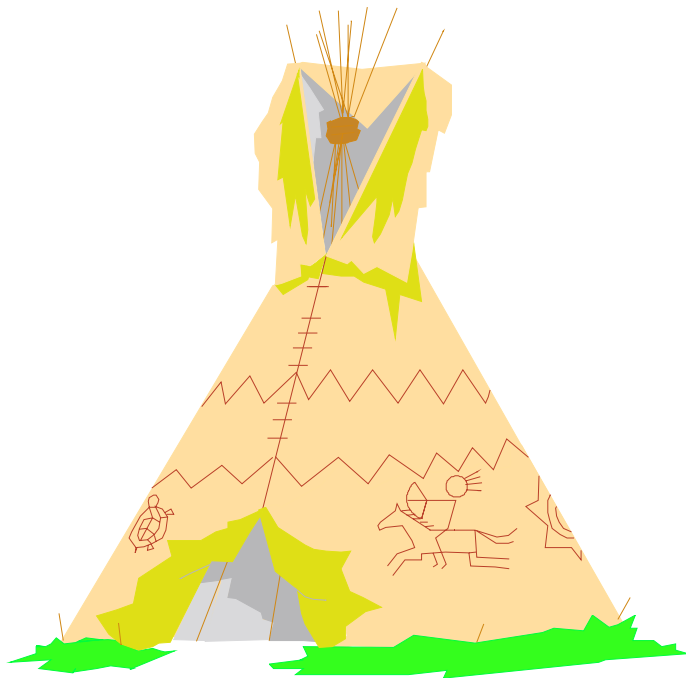
5.2

AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN MALES IN 2003

		TOTAL DEATHS	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		864	22	7	21	90	87	132	126	104	124	95	56
Resided on reservation	Ak-Chin Indian Community	1	0	0	0	0	1	0	0	0	0	0	0
	Cocopah Tribe	3	0	0	0	0	1	0	0	1	0	1	0
	Colorado River Indian Tribes	12	0	0	0	2	0	1	3	2	0	1	3
	Fort McDowell Yavapai Nation	4	0	0	0	0	0	1	2	0	0	1	0
	Fort Yuma Quechan Tribe	1	0	0	0	0	0	0	0	0	1	0	0
	Gila River Indian Community	45	0	0	3	9	5	6	10	4	5	2	1
	Havasupai Tribe	2	0	0	0	0	0	1	1	0	0	0	0
	Hopi Tribe	43	0	1	1	6	4	6	7	3	6	6	3
	Hualapai Nation	9	0	0	0	1	1	3	1	2	0	1	0
	Kaibab-Paiute Tribe	2	0	0	0	0	0	0	0	1	0	0	1
	Navajo Nation	267	4	0	7	34	24	38	30	27	35	39	29
	Pascua Yaqui Tribe	29	2	0	1	1	0	6	4	6	5	4	0
	Salt River Pima-Maricopa Community	13	1	0	0	0	2	7	1	1	1	0	0
	San Carlos Apache Tribe	34	2	0	0	5	1	8	5	3	6	3	1
	Tohono O'Odham Tribe	66	0	0	1	3	6	8	15	10	10	9	4
	White Mountain Apache Tribe	64	0	2	2	10	11	11	6	10	8	4	0
	Yavapai-Apache Nation	3	0	0	0	1	0	0	1	1	0	0	0
	Yavapai-Prescott Indian Tribe	2	0	0	1	0	0	0	0	0	0	1	0
	TOTAL	600	9	3	16	72	56	96	86	71	77	72	42
Resided off reservation	---in Maricopa County	117	6	2	0	8	19	20	17	12	20	9	4
	---in Pima County	38	2	0	0	2	4	8	9	6	5	1	1
	---in Coconino County	19	3	2	2	0	3	2	2	2	3	0	0
	---elsewhere in Arizona	90	2	0	3	8	5	6	12	13	19	13	9
	TOTAL	264	13	4	5	18	31	36	40	33	47	23	14

5.3
AGE-SPECIFIC MORTALITY AMONG AMERICAN INDIAN FEMALES IN 2003

		TOTAL DEATHS	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		663	22	7	6	30	32	58	83	86	115	123	101
Resided on reservation	Ak-Chin Indian Community	1	0	0	0	0	0	0	0	0	0	0	1
	Cocopah Tribe	1	0	0	0	0	0	0	0	0	0	0	1
	Colorado River Indian Tribes	14	1	0	0	0	2	0	1	2	1	2	5
	Fort McDowell Yavapai Nation	3	0	0	0	1	0	0	1	0	0	0	1
	Fort Mojave Indian Tribe	1	0	0	0	0	0	0	0	0	0	1	0
	Fort Yuma Quechan Tribe	1	0	0	0	0	0	0	0	0	0	1	0
	Gila River Indian Community	34	0	0	0	4	2	2	3	6	7	7	3
	Havasupai Tribe	2	0	0	0	0	0	0	0	0	2	0	0
	Hopi Tribe	19	0	0	0	1	1	1	3	1	4	2	6
	Hualapai Nation	5	0	0	0	0	0	0	0	1	3	0	1
	Navajo Nation	198	4	4	0	5	5	16	12	18	31	57	46
	Pascua Yaqui Tribe	27	0	0	2	0	2	4	1	5	9	3	1
	Salt River Pima-Maricopa Community	11	1	0	1	1	0	1	2	3	2	0	0
	San Carlos Apache Tribe	28	1	1	0	1	0	1	7	6	5	4	2
	Tohono O'Odham Tribe	45	0	0	1	0	2	5	5	6	11	9	6
	White Mountain Apache Tribe	36	3	1	1	4	2	3	7	5	4	5	1
	Yavapai-Apache Nation	3	0	0	0	0	0	0	1	0	1	1	0
	Yavapai-Prescott Indian Tribe	3	0	0	1	0	0	0	2	0	0	0	0
	TOTAL		432	10	6	6	17	16	33	45	53	80	92
Resided off reservation	---in Maricopa County	117	5	1	0	7	10	15	21	15	13	18	12
	---in Pima County	28	1	0	0	4	0	2	5	5	9	1	1
	---in Coconino County	15	1	0	0	1	2	1	3	2	2	1	2
	---elsewhere in Arizona	71	5	0	0	1	4	7	9	11	11	11	12
	TOTAL		231	12	1	0	13	16	25	38	33	35	31



CAUSE-SPECIFIC MORTALITY

5.4
DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS
IN 2003

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Total	Male	Female
Total, all causes	1527	864	663
Salmonella infections	1	0	1
Shigellosis and amebiasis	0	0	0
Certain other intestinal infections	1	1	0
Tuberculosis	0	0	0
Respiratory tuberculosis	0	0	0
Other tuberculosis	0	0	0
Whooping cough	0	0	0
Scarlet fever and erysipelas	0	0	0
Meningococcal infection	0	0	0
Septicemia	42	18	24
Syphilis	0	0	0
Acute poliomyelitis	0	0	0
Arthropod-borne encephalitis	1	1	0
Measles	0	0	0
Viral hepatitis	1	0	1
Human immunodeficiency virus (HIV) disease	9	7	2
Malaria	0	0	0
Other and unspecified infectious and parasitic diseases	10	5	5
Malignant neoplasms	169	68	101
Malignant neoplasm of lip, oral cavity and pharynx	0	0	0
Malignant neoplasm of esophagus	2	2	0
Malignant neoplasm of stomach	9	4	5
Malignant neoplasm of colon, rectum, and anus	10	6	4
Malignant neoplasm of liver and intrahepatic bile ducts	14	7	7
Malignant neoplasm of pancreas	8	3	5
Malignant neoplasm of larynx	0	0	0
Malignant neoplasm of trachea, bronchus and lung	18	10	8
Malignant neoplasm of skin	0	0	0
Malignant neoplasm of breast	13	0	13
Malignant neoplasm of cervix uteri	3	0	3
Malignant neoplasm of corpus uteri and uterus, part unspecified	1	0	1
Malignant neoplasm of ovary	10	0	10
Malignant neoplasm of prostate	10	10	0
Malignant neoplasm of kidney and renal pelvis	11	5	6

5.4 (continued)
DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS
IN 2003

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Total	Male	Female
Malignant neoplasm of bladder	1	1	0
Malignant neoplasm of meninges, brain and other parts of CNS	3	1	2
Malignant neoplasm of lymphoid, hematopoietic and related tissue	29	11	18
Hodgkin's disease	0	0	0
Non-Hodgkin's lymphoma	11	6	5
Leukemia	8	2	6
Multiple myeloma and immunoproliferative neoplasms	10	3	7
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0
All other and unspecified malignant neoplasm	27	8	19
In situ neoplasms	3	0	3
Anemias	1	0	1
Diabetes	82	35	47
Nutritional deficiencies	5	2	3
Malnutrition	5	2	3
Other nutritional deficiencies	0	0	0
Meningitis	2	1	1
Parkinson's disease	8	4	4
Alzheimer's disease	6	0	6
Major cardiovascular diseases	257	142	115
Diseases of heart	195	110	85
Acute rheumatic fever and chronic rheumatic heart disease	0	0	0
Hypertensive heart disease	10	6	4
Hypertensive heart and renal disease	0	0	0
Ischemic heart disease	126	78	48
Acute myocardial infarction	25	18	7
Other acute ischemic heart disease	1	0	1
Other forms of chronic ischemic heart disease	100	60	40
Atherosclerotic cardiovascular disease	48	29	19
All other forms of chronic ischemic heart disease	52	31	21
Other heart diseases	59	26	33
Acute and subacute endocarditis	4	3	1
Diseases of pericardium and acute myocarditis	0	0	0
Heart failure	13	6	7
All other forms of heart disease	42	17	25
Essential (primary) hypertension and hypertensive renal disease	7	2	5

5.4 (continued)
DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS
IN 2003

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Total	Male	Female
Cerebrovascular diseases	50	27	23
Atherosclerosis	2	0	2
Other diseases of circulatory system	3	3	0
Aortic aneurysm and dissection	1	1	0
Other disease of arteries, arterioles and capillaries	2	2	0
Other disorders of circulatory system	2	2	0
Influenza and pneumonia	76	40	36
Influenza	1	0	1
Pneumonia	75	40	35
Other acute lower respiratory infections	0	0	0
Acute bronchiolitis	0	0	0
Unspecified acute lower respiratory infection	0	0	0
Chronic lower respiratory diseases	25	11	14
Bronchitis, chronic and unspecified	3	1	2
Emphysema	2	2	0
Asthma	2	1	1
Other chronic lower respiratory diseases	18	7	11
Pneumoconioses and chemical effects	0	0	0
Pneumonitis due to solids and liquids	10	5	5
Other disease of respiratory system	19	10	9
Peptic ulcer	2	1	1
Diseases of appendix	1	0	1
Hernia	2	1	1
Chronic liver disease and cirrhosis	78	46	32
Alcoholic liver disease	63	38	25
Other chronic liver disease and cirrhosis	15	8	7
Cholelithiasis and other disorders of gallbladder	5	2	3
Nephritis, nephrotic syndrome and nephrosis	37	18	19
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0
Chronic glomerulonephritis	1	1	0
Renal failure	36	17	19
Others disorders of kidney	0	0	0
Infections of kidney	1	0	1
Hyperplasia of prostate	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0

5.4
DEATHS BY GENDER FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS
IN 2003

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Total	Male	Female
Pregnancy, childbirth and the puerperium	2	0	2
Pregnancy with abortive outcome	1	0	1
Other complications of pregnancy, childbirth and the puerperium	1	0	1
Perinatal conditions	11	6	5
Congenital malformations	12	6	6
Symptoms, signs, abnormal findings	37	21	16
Total accidents	269	191	78
Transport accidents	174	119	55
Motor vehicle accidents	166	112	54
Other land transport accidents	7	6	1
Water, air, space	1	1	0
Nontransport accidents	95	72	23
Falls	19	12	7
Accidental discharge of firearms	1	1	0
Accidental drowning and submersion	7	6	1
Accidental exposure to smoke, fire and flames	4	3	1
Accidental poisoning	24	16	8
Other and unspecified nontransport accidents	40	34	6
Intentional self-harm (suicide)	47	41	6
By discharge of firearms	17	16	1
By other means	30	25	5
Assault (homicide)	54	43	11
By discharge of firearms	20	18	2
By other means	34	25	9
Legal intervention	3	3	0
Events of undetermined intent	10	9	1
Discharge of firearms	2	2	0
Other and unspecified events of undetermined intent	8	7	1
Operations of war	0	0	0
Complications of medical and surgical care	4	1	3
INJURY BY FIREARMS	43	40	3
DRUG-INDUCED DEATHS	21	13	8
ALCOHOL-INDUCED DEATHS	105	70	35

5.5
DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS
IN 2003

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Total	Age Group										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total, all causes	1527	44	14	27	120	119	190	209	190	239	218	157
Salmonella infections	1	0	0	0	0	0	0	0	0	1	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	1	0	0	0	0	0	0	0	1	0	0	0
Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0
Respiratory tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	42	0	1	0	1	1	6	6	10	8	4	5
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	1	0	0	1	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	1	0	0	0	0	0	0	1	0	0	0	0
Human immunodeficiency virus (HIV) disease	9	0	0	0	0	3	4	1	1	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	10	0	1	0	0	1	0	3	2	0	2	1
Malignant neoplasms	169	0	1	3	3	1	5	23	28	43	46	16
Malignant neoplasm of lip, oral cavity and pharynx	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of esophagus	2	0	0	0	0	0	0	0	0	2	0	0
Malignant neoplasm of stomach	9	0	0	0	0	0	1	1	0	2	4	1
Malignant neoplasm of colon, rectum, and anus	10	0	0	0	0	0	2	2	1	3	1	1
Malignant neoplasm of liver and intrahepatic bile ducts	14	0	1	0	0	0	0	3	4	3	3	0
Malignant neoplasm of pancreas	8	0	0	0	0	0	0	0	1	3	2	2
Malignant neoplasm of larynx	0	0	0	0	0	0	0	0	0	0	0	0

5.5

[illegible]

5.5
DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS
IN 2003

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Total	Age Group										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Major cardiovascular diseases	257	1	0	1	0	5	14	20	41	76	56	43
Diseases of heart	195	1	0	1	0	4	10	17	32	57	43	30
Acute rheumatic fever and chronic rheumatic heart disease	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive heart disease	10	0	0	0	0	1	0	1	2	4	1	1
Hypertensive heart and renal disease	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease	126	0	0	0	0	2	5	12	19	37	32	19
Acute myocardial infarction	25	0	0	0	0	0	1	1	5	9	5	4
Other acute ischemic heart disease	1	0	0	0	0	0	0	0	0	1	0	0
Other forms of chronic ischemic heart disease	100	0	0	0	0	2	4	11	14	27	27	15
Atherosclerotic cardiovascular disease	48	0	0	0	0	1	1	6	7	18	9	6
All other forms of chronic ischemic heart disease	52	0	0	0	0	1	3	5	7	9	18	9
Other heart diseases	59	1	0	1	0	1	5	4	11	16	10	10
Acute and subacute endocarditis	4	0	0	0	0	0	2	1	1	0	0	0
Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	0	0	0
Heart failure	13	1	0	0	0	0	0	0	4	3	1	4
All other forms of heart disease	42	0	0	1	0	1	3	3	6	13	9	6
Essential (primary) hypertension and hypertensive renal disease	7	0	0	0	0	0	1	0	0	3	1	2
Cerebrovascular diseases	50	0	0	0	0	1	3	3	9	16	10	8
Atherosclerosis	2	0	0	0	0	0	0	0	0	0	1	1
Other diseases of circulatory system	3	0	0	0	0	0	0	0	0	0	1	2
Aortic aneurysm and dissection	1	0	0	0	0	0	0	0	0	0	0	1
Other disease of arteries, arterioles and capillaries	2	0	0	0	0	0	0	0	0	0	1	1
Other disorders of circulatory system	2	0	0	0	0	0	0	1	0	0	1	0
Influenza and pneumonia	76	3	0	0	0	0	5	6	11	9	15	27
Influenza	1	0	0	0	0	0	0	0	0	0	0	1
Pneumonia	75	3	0	0	0	0	5	6	11	9	15	26
Other acute lower respiratory infections	0	0	0	0	0	0	0	0	0	0	0	0

5.5

[illegible]

5.5
DEATHS BY AGE GROUP FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS
IN 2003

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Total	Age Group										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Congenital malformations	12	7	3	1	0	0	0	1	0	0	0	0
Symptoms, signs, abnormal findings	37	5	0	2	1	4	7	4	4	0	2	8
Total accidents	269	3	2	14	65	48	54	36	20	14	9	4
Transport accidents	174	1	1	10	59	36	28	22	12	4	1	0
Motor vehicle accidents	166	1	1	10	57	30	28	22	12	4	1	0
Other land transport accidents	7	0	0	0	2	5	0	0	0	0	0	0
Water, air, space	1	0	0	0	0	1	0	0	0	0	0	0
Nontransport accidents	95	2	1	4	6	12	26	14	8	10	8	4
Falls	19	0	0	0	1	1	3	2	0	6	4	2
Accidental discharge of firearms	1	0	0	0	0	0	0	0	0	0	1	0
Accidental drowning and submersion	7	0	0	1	1	1	3	1	0	0	0	0
Accidental exposure to smoke, fire and flames	4	0	0	1	0	0	1	0	1	1	0	0
Accidental poisoning	24	0	0	0	2	3	13	4	1	1	0	0
Other and unspecified nontransport accidents	40	2	1	2	2	7	6	7	6	2	3	2
Intentional self-harm (suicide)	47	0	0	2	21	13	7	1	1	2	0	0
By discharge of firearms	17	0	0	0	7	4	3	0	1	2	0	0
By other means	30	0	0	2	14	9	4	1	0	0	0	0
Assault (homicide)	54	5	1	0	12	16	10	8	1	1	0	0
By discharge of firearms	20	0	0	0	7	6	3	3	1	0	0	0
By other means	34	5	1	0	5	10	7	5	0	1	0	0
Legal intervention	3	0	0	0	1	0	2	0	0	0	0	0
Events of undetermined intent	10	0	0	2	2	1	2	2	1	0	0	0
Discharge of firearms	2	0	0	1	1	0	0	0	0	0	0	0
Other and unspecified events of undetermined intent	8	0	0	1	1	1	2	2	1	0	0	0
Operations of war	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	1	2	0	0	0
INJURY BY FIREARMS	43	0	0	1	16	10	8	3	2	2	1	0
DRUG-INDUCED DEATHS	21	0	0	0	1	4	11	4	0	1	0	0
ALCOHOL-INDUCED DEATHS	105	0	0	0	4	9	32	37	14	6	3	0

5.6
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2003

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																	Resided off reservation								
		Ak-Chin Indian Community	Yavapai-Apache Nation		Cocopah Tribe		Colorado River Indian Tribes	White Mountain Apache Tribe	Fort McDowell Yavapai Nation	Fort Mojave Indian Tribe	Fort Yuma Quechan Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Kaibab-Paiute Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	Yavapai-Prescott Indian Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona
TOTAL, ALL CAUSES	1527	2	6	4	26	100	7	1	2	79	4	62	14	2	465	56	24	62	111	5	1032	234	66	34	161	495	
Salmonella infections	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Respiratory tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Septicemia	42	0	0	0	1	3	0	0	0	4	0	2	0	0	9	2	1	3	4	0	29	8	2	0	3	13	
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Human immunodeficiency virus (HIV) disease	9	0	0	0	0	1	0	0	0	1	0	0	0	0	2	0	1	0	0	0	5	3	0	0	1	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	0	0	0	0
Other and unspecified infectious and parasitic diseases	10	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	1	0	1	0	6	2	2	0	0	4	
Malignant neoplasms	169	0	0	0	3	9	0	1	0	7	0	7	4	0	60	5	3	2	10	1	112	21	11	3	22	57	
Malignant neoplasm of lip, oral cavity and pharynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of esophagus	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	0	0	0
Malignant neoplasm of stomach	9	0	0	0	0	0	0	0	0	0	0	1	0	0	7	0	0	0	1	0	9	0	0	0	0	0	0
Malignant neoplasm of colon, rectum, and anus	10	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	5	2	1	0	2	5	
Malignant neoplasm of liver and intrahepatic bile ducts	14	0	0	0	0	3	0	0	0	0	0	2	0	0	5	1	0	0	0	0	11	0	2	0	1	3	

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2003

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																			Resided off reservation					
		Ak-Chin Indian Community	Yavapai-Apache Nation	Cocopah Tribe	Colorado River Indian Tribes	White Mountain Apache Tribe	Fort McDowell Yavapai Nation	Fort Mojave Indian Tribe	Fort Yuma Quechan Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Kaibab-Paiute Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	Yavapai-Prescott Indian Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Malignant neoplasm of pancreas	8	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	6	0	0	1	1	2
Malignant neoplasm of larynx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of trachea, bronchus and lung	18	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	1	1	6	5	3	0	4	12
Malignant neoplasm 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	0	0	0
Malignant neoplasm of breast	13	0	0	0	1	0	0	0	0	0	0	0	1	0	2	1	1	0	0	0	6	4	1	0	2	7
Malignant neoplasm of cervix uteri	3	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	1
Malignant neoplasm of corpus uteri and uterus, part unspecified	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Malignant neoplasm of ovary	10	0	0	0	1	0	0	0	0	0	0	0	0	0	4	0	2	1	0	0	8	1	0	1	0	2
Malignant neoplasm of prostate	10	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	4	1	0	0	5	6
Malignant neoplasm of kidney and renal pelvis	11	0	0	0	0	1	0	0	0	0	0	2	0	0	4	0	0	0	1	0	8	2	0	0	1	3
Malignant neoplasm of bladder	1	0	0	0	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 meninges, brain and other parts of CNS	3	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3	0	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	29	0	0	0	1	1	0	0	0	5	0	1	1	0	10	1	0	0	3	0	23	3	1	0	2	6
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	11	0	0	0	0	0	0	0	0	3	0	0	1	0	4	0	0	0	0	0	8	1	0	0	2	3
Leukemia	8	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	0	0	2	0	6	1	1	0	0	2
Multiple myeloma and immunoproliferative neoplasms	10	0	0	0	0	1	0	0	0	1	0	1	0	0	5	0	0	0	1	0	9	1	0	0	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	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	27	0	0	0	0	3	0	0	0	1	0	1	1	0	10	0	0	0	1	0	17	2	3	1	4	10
In situ neoplasms	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	1	1
Anemias	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Diabetes	82	1	0	1	3	7	0	0	1	5	0	3	1	1	19	9	2	4	6	0	63	13	2	0	4	19
Nutritional deficiencies	5	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	5	0	0	0	0	0

5.6 (continued)

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA		Resided on reservation																	Resided off reservation							
			Ak-Chin Indian Community	Yavapai-Apache Nation	Cocopah Tribe	Colorado River Indian Tribes	White Mountain Apache Tribe	Fort McDowell Yavapai Nation	Fort Mojave Indian Tribe	Fort Yuma Quechan Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Kaibab-Paiute Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	Yavapai-Prescott Indian Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Malnutrition	5	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	5	0	0	0	0	0	0
Other nutritional deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	1
Parkinson's disease	8	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4	2	1	0	1	4	4
Alzheimer's disease	6	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	4	2	0	0	0	2	2
Major cardiovascular diseases	257	0	1	1	5	12	2	0	0	10	1	5	1	0	68	14	3	14	26	1	164	38	14	5	36	93	93
Diseases of heart	195	0	1	1	4	9	2	0	0	8	0	4	1	0	54	14	3	9	18	0	128	31	9	4	23	67	67
Acute rheumatic fever and chronic rheumatic heart disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive heart disease	10	0	0	0	0	1	0	0	0	1	0	0	0	0	3	1	0	0	3	0	9	1	0	0	0	1	1
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	0	0	0	0	0
Ischemic heart disease	126	0	1	1	3	5	1	0	0	5	0	1	1	0	30	10	0	5	11	0	74	27	6	3	16	52	52
Acute myocardial infarction	25	0	0	0	0	2	0	0	0	0	0	0	1	0	12	2	0	0	2	0	19	4	0	0	2	6	6
Other acute ischemic heart disease	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Other forms of chronic ischemic heart disease	100	0	1	1	3	3	1	0	0	5	0	1	0	0	17	8	0	5	9	0	54	23	6	3	14	46	46
Atherosclerotic cardiovascular disease	48	0	0	0	1	3	0	0	0	2	0	0	0	0	5	2	0	3	6	0	22	13	3	3	7	26	26
All other forms of chronic ischemic heart disease	52	0	1	1	2	0	1	0	0	3	0	1	0	0	12	6	0	2	3	0	32	10	3	0	7	20	20
Other heart diseases	59	0	0	0	1	3	1	0	0	2	0	3	0	0	21	3	3	4	4	0	45	3	3	1	7	14	14
Acute and subacute endocarditis	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	0	0	0	2	2
Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Heart failure	13	0	0	0	1	1	0	0	0	1	0	1	0	0	2	1	0	0	2	0	9	0	0	0	4	4	4
All other forms of heart disease	42	0	0	0	0	1	1	0	0	1	0	2	0	0	19	2	3	4	1	0	34	1	3	1	3	8	8
Essential (primary) hypertension and hypertensive renal disease	7	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	1	1	0	5	1	1	0	0	2	2
Cerebrovascular diseases	50	0	0	0	1	3	0	0	0	2	1	0	0	0	10	0	0	4	6	1	28	6	4	0	12	22	22
Atherosclerosis	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2003

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																			Resided off reservation					
		Ak-Chin Indian Community	Yavapai-Apache Nation	Cocopah Tribe	Colorado River Indian Tribes	White Mountain Apache Tribe	Fort McDowell Yavapai Nation	Fort Mojave Indian Tribe	Fort Yuma Quechan Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Kaibab-Paiute Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	Yavapai-Prescott Indian Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Other diseases of circulatory system	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	3	0	0	0	0	0
Aortic aneurysm and dissection	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Other disease of arteries, arterioles and capillaries	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	0	0
Other disorders of circulatory system	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
Influenza and pneumonia	76	0	0	0	0	8	0	0	0	4	0	6	0	0	30	2	1	4	6	0	61	7	1	0	7	15
Influenza	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Pneumonia	75	0	0	0	0	8	0	0	0	4	0	6	0	0	30	2	1	3	6	0	60	7	1	0	7	15
Other acute lower respiratory infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acute bronchiolitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unspecified acute lower respiratory infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	25	0	0	1	0	0	0	0	0	1	0	0	0	0	4	0	0	1	0	0	7	4	4	1	9	18
Bronchitis, chronic and unspecified	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Emphysema	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1
Asthma	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1
Other chronic lower respiratory diseases	18	0	0	1	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	4	3	3	1	7	14
Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	10	0	0	0	0	1	1	0	0	0	0	4	0	0	0	0	0	0	1	0	7	2	0	1	0	3
Other disease of respiratory system	19	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	1	4	0	16	1	0	1	1	3
Peptic ulcer	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1
Diseases of appendix	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Hernia	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
Chronic liver disease and cirrhosis	78	0	0	0	3	11	0	0	0	3	0	1	0	0	16	2	1	3	10	1	51	19	1	2	5	27
Alcoholic liver disease	63	0	0	0	1	11	0	0	0	3	0	1	0	0	15	2	1	2	5	1	42	18	1	0	2	21
Other chronic liver disease and cirrhosis	15	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	1	5	0	9	1	0	2	3	6
Cholelithiasis and other disorders of gallbladder	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	4	1	0	0	0	1

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2003

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																			Resided off reservation					
		Ak-Chin Indian Community	Yavapai-Apache Nation	Cocopah Tribe	Colorado River Indian Tribes	White Mountain Apache Tribe	Fort McDowell Yavapai Nation	Fort Mojave Indian Tribe	Fort Yuma Quechan Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Kaibab-Paiute Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	Yavapai-Prescott Indian Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total
Nephritis, nephrotic syndrome and nephrosis	37	0	1	0	0	2	0	0	0	2	0	2	0	0	6	1	1	4	2	0	21	10	1	0	5	16
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Renal failure	36	0	1	0	0	2	0	0	0	2	0	2	0	0	6	1	1	4	2	0	21	9	1	0	5	15
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0
Inflammatory diseases of female pelvic organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy, childbirth and the puerperium	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	0	0	0	0	0
Pregnancy with abortive outcome	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
Other complications of pregnancy, childbirth and the puerperium	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Perinatal conditions	11	0	0	0	0	1	0	0	0	0	0	0	0	0	3	1	0	1	0	0	6	1	2	2	0	5
Congenital malformations	12	0	0	0	0	1	0	0	0	0	0	0	0	0	4	1	0	0	0	0	6	4	0	1	1	6
Symptoms, signs, abnormal findings	37	0	0	0	1	1	0	0	0	3	0	2	0	0	12	1	0	1	3	0	24	4	1	2	6	13
Total accidents	269	1	1	1	5	25	4	0	1	19	2	15	4	1	94	9	4	8	12	1	207	27	10	4	21	62
Transport accidents	174	1	1	1	3	16	4	0	0	15	2	11	4	0	66	2	2	6	7	1	142	16	3	1	12	32
Motor vehicle accidents	166	1	1	1	3	15	4	0	0	14	2	11	4	0	62	2	2	6	5	1	134	16	3	1	12	32
Other land transport accidents	7	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0	0	0	2	0	7	0	0	0	0	0
Water, air, space	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Nontransport accidents	95	0	0	0	2	9	0	0	1	4	0	4	0	1	28	7	2	2	5	0	65	11	7	3	9	30
Falls	19	0	0	0	1	3	0	0	0	1	0	0	0	0	7	1	1	0	1	0	15	1	1	0	2	4
Accidental discharge of firearms	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Accidental drowning and submersion	7	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	3	2	0	0	2	4
Accidental exposure to smoke, fire and flames	4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	1	1

5.6 (continued)
DEATHS BY RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2003

	ALL AMERICAN INDIAN RESIDENTS OF ARIZONA	Resided on reservation																			Resided off reservation						
		Ak-Chin Indian Community	Yavapai-Apache Nation	Cocopah Tribe	Colorado River Indian Tribes	White Mountain Apache Tribe	Fort McDowell Yavapai Nation	Fort Mojave Indian Tribe	Fort Yuma Quechan Tribe	Gila River Indian Community	Havasupai Tribe	Hopi Tribe	Hualapai Nation	Kaibab-Paiute Tribe	Navajo Nation	Pascua Yaqui Tribe	Salt River Pima-Maricopa Community	San Carlos Apache Tribe	Tohono O'Odham Tribe	Yavapai-Prescott Indian Tribe	Total	---in Maricopa County	---in Pima County	---in Coconino County	---elsewhere in Arizona	Total	
Accidental poisoning	24	0	0	0	0	1	0	0	0	2	0	0	0	0	4	4	1	1	2	0	15	5	4	0	0	9	
Other and unspecified nontransport accidents	40	0	0	0	1	3	0	0	1	1	0	2	0	1	15	2	0	0	2	0	28	3	2	3	4	12	
Intentional self-harm (suicide)	47	0	0	0	0	3	0	0	0	5	0	2	0	0	14	1	1	1	6	0	33	6	1	2	5	14	
By discharge of firearms	17	0	0	0	0	0	0	0	0	2	0	1	0	0	5	0	0	1	3	0	12	2	0	1	2	5	
By other means	30	0	0	0	0	3	0	0	0	3	0	1	0	0	9	1	1	0	3	0	21	4	1	1	3	9	
Assault (homicide)	54	0	0	0	0	2	0	0	0	4	0	2	0	0	15	1	0	6	2	0	32	15	3	0	4	22	
By discharge of firearms	20	0	0	0	0	0	0	0	0	3	0	1	0	0	4	1	0	1	2	0	12	6	1	0	1	8	
By other means	34	0	0	0	0	2	0	0	0	1	0	1	0	0	11	0	0	5	0	0	20	9	2	0	3	14	
Legal intervention	3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	0	0	1	1	
Events of undetermined intent	10	0	0	0	1	1	0	0	0	1	0	0	0	0	2	0	0	1	0	1	7	2	0	0	1	3	
Discharge of firearms	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	
Other and unspecified events of undetermined intent	8	0	0	0	1	1	0	0	0	1	0	0	0	0	2	0	0	1	0	0	6	2	0	0	0	2	
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Complications of medical and surgical care	4	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	2	
INJURY BY FIREARMS	43	0	0	0	0	0	0	0	0	5	0	2	1	0	11	1	0	2	5	1	28	8	1	1	5	15	
DRUG-INDUCED DEATHS	21	0	0	0	0	1	0	0	0	2	0	0	0	0	4	1	1	2	0	11	6	4	0	0	10		
ALCOHOL-INDUCED DEATHS	105	0	1	0	1	11	0	0	0	4	0	3	0	0	32	5	4	3	6	1	71	26	5	0	3	34	

5.7

[illegible]

5.7 (continued)
DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2003

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz	Unknown
Malignant neoplasm of trachea, bronchus and lung	18	2	0	0	0	1	0	5	1	1	4	1	0	2	1	0	0
Malignant neoplasm of skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasm of breast	13	2	0	0	0	0	0	5	1	0	2	0	1	1	0	1	0
Malignant neoplasm of cervix uteri	3	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Malignant neoplasm of ovary	10	1	0	4	0	1	0	3	0	0	0	0	0	0	0	1	0
Malignant neoplasm of prostate	10	3	1	0	0	0	0	1	1	1	1	0	1	1	0	0	0
Malignant neoplasm of kidney and renal pelvis	11	3	0	0	0	0	0	3	0	5	0	0	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
Malignant neoplasm of meninges, brain and other parts of CNS	3	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	29	7	0	2	0	0	0	4	1	3	5	5	0	1	0	1	0
Hodgkin's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Hodgkin's lymphoma	11	1	0	2	0	0	0	2	1	1	0	3	0	1	0	0	0
Leukemia	8	1	0	0	0	0	0	1	0	0	4	1	0	0	0	1	0
Multiple myeloma and immunoproliferative neoplasms	10	5	0	0	0	0	0	1	0	2	1	1	0	0	0	0	0
Other and unspecified malignant neoplasms of lymphoid tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All other and unspecified malignant neoplasm	27	4	1	4	0	0	0	2	2	7	4	2	0	1	0	0	0
In situ neoplasms	3	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
Anemias	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Diabetes	82	12	0	4	4	0	0	17	2	13	15	9	0	0	3	3	0
Nutritional deficiencies	5	2	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0
Malnutrition	5	2	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0
Other nutritional deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis	2	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Parkinson's disease	8	3	0	1	0	0	0	2	0	1	1	0	0	0	0	0	0
Alzheimer's disease	6	2	0	1	0	0	0	2	0	0	1	0	0	0	0	0	0
Major cardiovascular diseases	257	39	3	21	14	1	0	50	3	45	47	19	0	6	4	5	0
Diseases of heart	195	32	1	17	10	0	0	42	3	32	35	15	0	2	2	4	0

5.7 (continued)

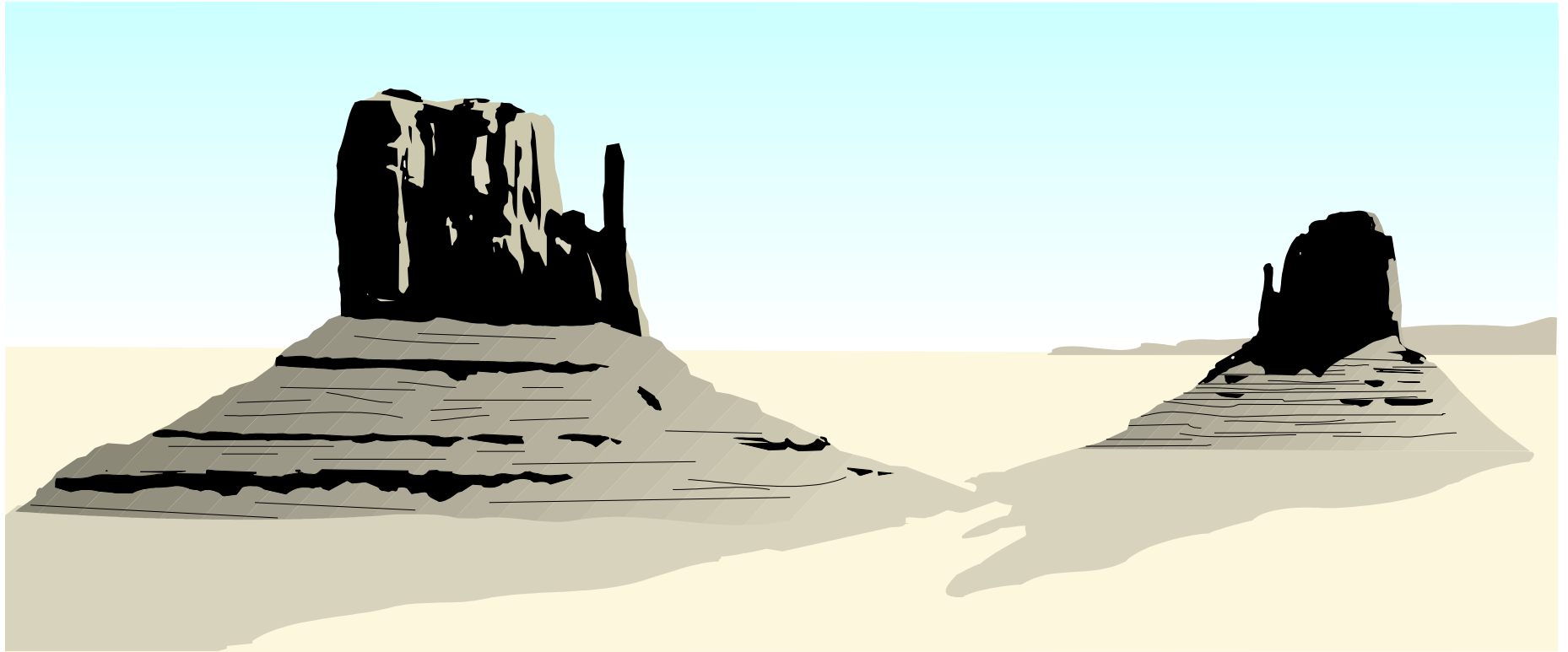
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5.7 (continued)
DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2003

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz	Unknown
Chronic lower respiratory diseases	25	3	1	3	0	1	0	4	1	5	4	2	0	0	1	0	0
Bronchitis, chronic and unspecified	3	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Emphysema	2	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Asthma	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Other chronic lower respiratory diseases	18	1	1	2	0	0	0	3	1	4	3	2	0	0	1	0	0
Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	10	0	0	1	0	0	0	3	0	5	1	0	0	0	0	0	0
Other disease of respiratory system	19	7	0	2	0	1	0	1	0	3	4	0	0	1	0	0	0
Peptic ulcer	2	0	0	1	0	0	0	0	0	0	1	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
Hernia	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
Chronic liver disease and cirrhosis	78	7	0	8	2	1	0	21	1	16	11	7	0	1	0	3	0
Alcoholic liver disease	63	7	0	6	1	1	0	20	1	14	7	4	0	1	0	1	0
Other chronic liver disease and cirrhosis	15	0	0	2	1	0	0	1	0	2	4	3	0	0	0	2	0
Cholelithiasis and other disorders of gallbladder	5	1	0	1	0	0	0	1	0	0	2	0	0	0	0	0	0
Nephritis, nephrotic syndrome and nephrosis	37	1	0	3	2	3	0	11	1	7	4	3	0	2	0	0	0
Acute and rapidly progressive nephritic and nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic glomerulonephritis	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Renal failure	36	1	0	3	2	3	0	10	1	7	4	3	0	2	0	0	0
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	1	0	0	1	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	2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Pregnancy with abortive outcome	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Other complications of pregnancy, childbirth and the puerperium	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Perinatal conditions	11	2	0	3	1	0	0	2	0	1	2	0	0	0	0	0	0
Congenital malformations	12	3	0	1	0	0	0	4	0	2	1	1	0	0	0	0	0
Symptoms, signs, abnormal findings	37	6	0	3	0	1	0	5	0	13	4	4	0	0	0	1	0

5.7 (continued)
DEATHS BY COUNTY OF RESIDENCE FOR SELECTED 113 CAUSES AMONG AMERICAN INDIANS IN 2003

	Total State	Apache	Cochise	Coconino	Gila	Graham	Greenlee	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	La Paz	Unknown
Total accidents	269	56	0	30	5	3	0	36	9	66	25	30	0	2	2	5	0
Transport accidents	174	37	0	18	4	3	0	23	8	45	6	24	0	2	1	3	0
Motor vehicle accidents	166	35	0	17	4	3	0	23	8	43	5	22	0	2	1	3	0
Other land transport accidents	7	2	0	1	0	0	0	0	0	1	1	2	0	0	0	0	0
Water, air, space	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Nontransport accidents	95	19	0	12	1	0	0	13	1	21	19	6	0	0	1	2	0
Falls	19	3	0	3	0	0	0	2	0	4	3	3	0	0	0	1	0
Accidental discharge of firearms	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	7	2	0	1	0	0	0	2	0	2	0	0	0	0	0	0	0
Accidental exposure to smoke, fire and flames	4	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Accidental poisoning	24	3	0	1	1	0	0	6	0	1	10	2	0	0	0	0	0
Other and unspecified nontransport accidents	40	8	0	7	0	0	0	3	1	12	6	1	0	0	1	1	0
Intentional self-harm (suicide)	47	10	0	4	1	0	0	8	1	11	6	6	0	0	0	0	0
By discharge of firearms	17	3	0	2	1	0	0	3	1	3	2	2	0	0	0	0	0
By other means	30	7	0	2	0	0	0	5	0	8	4	4	0	0	0	0	0
Assault (homicide)	54	6	0	4	6	1	0	15	1	10	6	5	0	0	0	0	0
By discharge of firearms	20	1	0	2	0	1	0	6	1	2	4	3	0	0	0	0	0
By other means	34	5	0	2	6	0	0	9	0	8	2	2	0	0	0	0	0
Legal intervention	3	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0
Events of undetermined intent	10	2	0	0	0	1	0	2	1	1	0	1	0	1	0	1	0
Discharge of firearms	2	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
Other and unspecified events of undetermined intent	8	2	0	0	0	1	0	2	0	1	0	1	0	0	0	1	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	0	0	0	0	1	0	1	1	1	0	0	0	0	0
INJURY BY FIREARMS	43	5	0	5	2	1	0	9	4	5	6	5	0	1	0	0	0
DRUG-INDUCED DEATHS	21	0	0	0	1	0	0	7	0	1	10	2	0	0	0	0	0
ALCOHOL-INDUCED DEATHS	105	14	0	15	2	1	0	33	1	18	14	4	0	2	0	1	0



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.de.state.az.us/links/economic/webpage/popweb/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 of 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	2003 population of American Indians	2003 deaths among American Indians	Age-specific rates for American Indians in 2003	2000 standard	Age-adjusted rate for American Indians in 2003
A	B	C	D (C/B)*100000	E	F D*E
<1	5768	44	762.8	.013818	10.5
1-4	23015	14	60.8	.055317	3.4
5-14	67402	27	40.1	.145565	5.8
15-24	53685	120	223.5	.138646	31.0
25-34	42414	119	280.6	.135573	38.0
35-44	40975	190	463.7	.162613	75.4
45-54	27569	209	758.1	.134834	102.2
55-64	16044	190	1184.2	.087247	103.3
65-74	9767	239	2447.0	.066037	161.6
75-84	4527	218	4815.6	.044842	215.9
85+	1587	157	9892.9	.015508	153.4
	292753	1527		TOTAL	900.7

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 following table provides comparable cause-of-death categories in ICD-9 and ICD-10 and shows comparability ratios for 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	37	0.8108	0.0644	7.9	0.6846	0.9370
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	415-417,424-427,429.0-429.1,429.3-42	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. 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. 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	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	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	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	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	F10,G31.2,G62.1,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.

¹Included in selected categories.

Source: National vital statistics reports; vol 49 no 8.

National Center for Health Statistics. 2001.

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
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
HAVASUPAI NATION	Coconino	Supai

Tribal Communities of American Indians in Arizona (continued)

Reservation/Tribe	County	Community name
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
		Toyei
		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
		Seneca
	Graham	Bylas
		Calva
TOHONO O’ODHAM	Maricopa	Gila Bend/San Lucy Village
		Kaka
		Totopitk
		Ak Chin
		Ak Chut Vaya
		Ak Komelik
		Ali Ak Chin
		Ali Molina
		Anegam
		Artesa
		Big Field
		Cababi
		Charco 27
		Chiuli Shaik
		Chot Vaya
		Choulic
		Coldfield
		Comobabi
		Covered Wells
		Cowlic
		Coyote Field
		Fresnal Canyon
		Gu Chuapo
		Gu Oidak
		Gu Vo

Tribal Communities of American Indians in Arizona (continued)

Reservation/Tribe	County	Community name
TOHONO O'ODHAM (continued)	Pima	Gunsight
		Haivana Nakya
		Hali Murk
		Hickiwan
		Hoi Oldak
		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
		Piata 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
		Cockleburrr
		Jackrabbitt
		Kohatk
		North Komelik
		Hawley Lake
WHITE MOUNTAIN APACHE TRIBE	Apache	Maverick
	Gila	Mcnary
		Amos Wash
		Canyon Day
		Carrizo
		Cedar Creek
		Warrior Canyon
		Chino Springs
		Navajo
	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 Health Status by Ethnic Group*, *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), *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* and *Deaths from Exposure to Excessive Natural Heat Occurring in Arizona*.



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