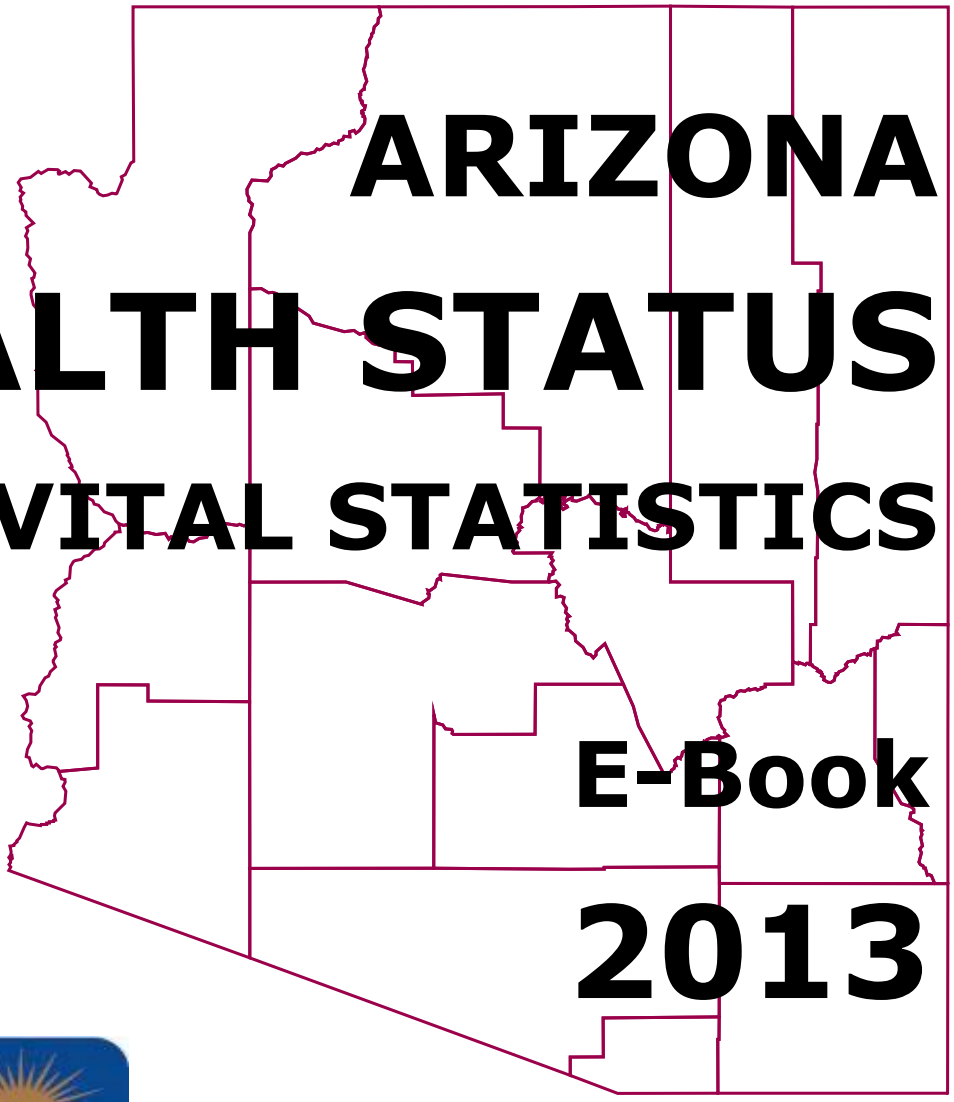


ARIZONA HEALTH STATUS AND VITAL STATISTICS

E-Book

2013

Arizona Department of Health Services

Public Health Services
Bureau of Public Health Statistics
Population Health and Vital Statistics Section

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ARIZONA

Health Status and Vital Statistics

2013

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by

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November 2014

The vital events for the year 2013 analyzed in this report include birth, death, and fetal death certificates that were received on or before May 6th, 2014. The same cutoff date is used for abortion reporting forms received from providers, as well as counts of marriages and dissolutions of marriage reported by the Clerk of the Superior Court in each county in which the marriage or divorce occurred.

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* All tabulations by county include totals for the state.

INTRODUCTION

ORGANIZATION OF THE REPORT

This publication by the Arizona Department of Health Services, ***Arizona Health Status and Vital Statistics 2013***, is the annual update of information on vital statistics and the health status of Arizona residents. It provides population-wide data on *pregnancies*, *births*, *abortions*, *stillbirths*, *reportable diseases*, *deaths*, *marriages*, *divorces, hospital inpatient discharges, emergency department visits,* and the *population* of the State.

The year 2013 report highlights both statewide trends as well as inequalities in health by subgroups including race/ethnicity, gender, and county. When possible, the data for 2013 are placed in a temporal context by comparison with the data for preceding years. The information in this volume consists of frequencies and rates of vital events for the State's residents (except as noted).

The updated *Index to Tables* in this report contains entries referring to specific health conditions, risk factors, disease categories, diagnostic groupings, procedures performed on hospital inpatients, and causes of death. The report provides information to monitor a number of the "Winnable Battles" identified in the Arizona Department of Health Services' Strategic Map including mortality data on obesity, enterocolitis due to *Clostridium difficile* (an infection associated with healthcare settings), and suicide, as well as information on births, fetal deaths, and abortions used to measure teenage pregnancy.

Since 1992, the report has been organized into three major parts, reflecting differences in geographic coverage:

Part I is concerned with ***statewide*** *statistics,*
Part II presents ***county-level*** *information,* and
Part III is focused on ***community-level*** *data.*

The first two parts are further divided into sections on reproductive and perinatal health, mortality, utilization of hospital care, and the status on year 2020 health objectives.

Not all health statistics are available or effectively reported at the community level. Hence, information about pregnancies, stillbirths, abortions, inpatient discharges, emergency room visits, reportable diseases, marriages, and marriage dissolutions is given only for the State and by county.

Part I of the report, ***THE STATE,*** has four chapters. The first chapter deals with *reproductive and perinatal health*, i.e., characteristics of women who became pregnant, factors related to the course of their pregnancies, and the status of pregnancy outcomes. Much of these data are given for each year from 2003 to 2013. The natality section of this report is concerned with fertility and birth rates, the general health of newborns as indexed by birthweight, prematurity, and selected demographic and prenatal care characteristics of the women giving birth.

The second chapter is focused on *trends and patterns in mortality*. It compares the annual age-adjusted profile of leading causes of death by gender from 2003 to 2013. Urban/rural and racial/ethnic differences in cause-specific mortality are also examined for Arizona residents. The five leading causes of death are discussed for infants (<1 year), children (1-14 years), adolescents (15-19 years), young adults (20-44 years), middle-aged adults (45-64 years), and the elderly (65 or more years). For each age group, cause-specific mortality is compared between urban (Maricopa, Pima, Pinal, and Yuma counties) and rural (Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Mohave, Navajo, Santa Cruz, and Yavapai) regions and between genders by year from 2003 to 2013. Urban and rural regions are compared in gender-specific total mortality. The chapter on mortality concludes with an examination of patterns of premature mortality by gender and race/ethnicity.

Morbidity, or the levels of disease in the population, is the topic of the third chapter. The presentation is limited to data on diseases reported for the entire population of the State by statutory mandate. Separate sections focus on non-sexually transmitted diseases, sexually transmitted diseases, and human immunodeficiency virus (HIV) and acquired immunodeficiency syndrome (AIDS).

Chapter 4 is focused on *inpatient hospital care*, as well as *emergency room care* in Arizona in 2013. An inpatient discharge occurs when a person who was admitted to a hospital leaves that hospital. A person who has been admitted to the emergency room or as a hospital inpatient more than once in a given calendar year will be counted multiple times as a discharge and included more than once in the hospital discharge data set; thus, the statistics on inpatient hospital care and emergency room care in this report are for discharges, not persons.

The available data are for State-licensed hospitals including psychiatric facilities. Federal, military, and the Department of Veteran Affairs hospitals are not included. All discharges are for the residents of Arizona. Discharges of out-of-state residents are not included in this report. Diagnostic groupings and code numbers are based on the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).

Beginning in 2008, up to twenty-five diagnoses are coded for each discharge. In sections 4A and 7A, discharges are presented by first-listed (or principal) diagnosis, which is the first listed on the discharge summary of the medical record. The number of first-listed diagnoses is the same as the number of discharges.

The data on the number of procedures in sections 4B and 7B are for inpatients only. Procedures include surgical and non-surgical operations, diagnostic procedures, and special treatments reported on the medical record. Up to six procedures were included for each discharge. These all-listed procedures include all occurrences of the procedure regardless of the order on the medical record.

Preceding the tabulated data in the first four chapters is a narrative description of the findings. This description is not meant to be exhaustive but rather is a presentation of the major highlights to be gleaned from the data.

Part II and Part III contain information with no accompanying narrative.

Part II, ***THE COUNTIES***, presents the tabulated data on 1) trends and patterns in health status and vital statistics by county of residence in Chapter 5, and 2) county profiles and statewide trends on indicators for assessing health status and monitoring Arizona's progress toward Healthy People 2020 objectives in Chapter 6. The health indicators are organized around ten subject areas: *maternal, infant, and child health*, *responsible sexual behavior*, *vaccine preventable diseases*, *injury and violence*, *cancer*, *diabetes*, *heart disease and stroke*, *respiratory diseases*, *human immunodeficiency virus (HIV) disease*, and s*ubstance abuse*; 3) hospital inpatient and emergency room statistics by disease category, diagnosis group, and all-listed procedures by patient's county of residence in Chapter 7 and; 4) selected historical vital events including births, deaths, infant deaths, marriages, and dissolutions of marriage by year and county in the State for 1960-2002 in Chapter 8.

Part III, ***THE COMMUNITIES***, provides readers with selected community-level data on live births and deaths in Arizona in 2013 (Chapter 9). In addition to the community-level data provided herein, a wealth of health and health-related information is now available at the Arizona Department of Health Services Bureau of Public Health Statistics Community Profiles Dashboard: http://www.azdhs.gov/phs/phstats/profiles/index.php.

Chapter 10 presents population denominators for Arizona by gender, age groups, county of residence, and race/ethnicity.

To use ***Arizona Health Status and Vital Statistics 2013*** effectively, the reader should become familiar with the *Technical Notes* at the end of the report. They provide definitions of terms used in the report, as well as information about the sources of data. *Technical Notes* also provide a link to detailed comparability ratios used to make comparisons between cause-of-death data classified by the Ninth and Tenth Revisions of the International Classification of Diseases.

In addition to the bound form, the ***Arizona Health Status and Vital Statistics 2013*** report, as well as previously published reports for 2000-2012, are available online at: http://www.azdhs.gov/plan/report/ahs/index.php.

FEATURES OF 2013 REPORT

CELL SUPPRESSION

The 2013 *Arizona Health Status and Vital Statistics* report is the second report in this series to include cell suppression. Using suppression rules similar to those used by the National Center for Health Statistics (NCHS), this report now attempts to maintain the anonymity of the individuals whose vital records are summarized herein.

Cell suppression is a method of removing potentially identifiable information from tables. In cell suppression, the first tasks is *primary suppression*, or removing non-zero counts in the body of a table that fall below a certain number. Primary cells that were less than six but greater than zero were suppressed and identified with an asterisk (*). Next, *secondary suppression* is used to obfuscate the totals or sums with components, or *addends*, that fall below the threshold for primary suppression. These totals are typically reported in the margins of table rows and columns. Column or row totals that contained a non-zero addend less than 6 were rounded to the nearest tens-unit and identified with a dagger (†). Rates, ratios, and percentages that were based on a non-zero numerator less than six were suppressed and identified with a double asterisk (**). In certain cases where these rules would have dictated the rounding of a row or column total, or suppression of an

overall rate/ratio/percentage, but the value of the information contained in the total was identified as important or attainable from other sources, these rules were relaxed and the original value was reported.

BRIDGING RACE/ETHNICITY

To calculate the rates used in this report, it was necessary to standardize race and ethnicity for both the vital events (in the birth, death, and fetal death data) and the population denominators. In these data sources, information on race and ethnicity is collected and categorized in a number of different ways, requiring a standard method of classifying race and ethnicity.

To create frequency counts of race and ethnicity that were adequate to compute statistically reliable rates, race was "bridged", or essentially collapsed into 5 categories; White non-Hispanic, Hispanic or Latino, Black or African American, Native American or Alaskan Native, and Asian or Pacific Islander. When an individual was identified as both Hispanic and any other race, that person was included in the racial/ethnic group with the lowest population. For example, a person identified as both White and Hispanic would be coded as Hispanic, where a person identified as American Indian and Hispanic would be coded as American Indian. Please refer to the technical appendix for further explanation of the racial bridging used in this report.

REVISED POPULATION DENOMINATORS

The 2013 Arizona Department of Health Services population denominators were estimated using the 2013 population projections obtained from the Office of Employment and Population Statistics within the Arizona Department of Administration (ADOA). Denominators calculated for census years have used the census counts, but denominators for inter-censal years have been estimated using various sources of information. For example, the 2011 population denominators were created using the 2011 CDC bridged-race population estimates in combination with county-level population estimates provided by the ADOA. Due to differences in the data sources used to calculate population denominators, variation in rates from 2011 to 2012 may in part be due to differences in denominator estimates.

For example, the estimate for Arizona's Native American population decreased by 15 percent from 2011 (n = 360,414) to 2012 (n = 305,029). For Native American young adults (age 20 – 44), the number of deaths increased by a modest 7.1 percent from 2011 (n = 364) to 2012 (n = 390). In contrast, the age-adjusted mortality rate for Native Americans increased 27.1 percent from 2011 (276.5/100,000) to 2012 (351.4/100,000). An estimated 309,035 Native Americans were living in Arizona 2013, representing a more gradual 1.3 percent increase from 2012.

As the illustration above shows, the difference in methods used to calculate population denominators can lead to variation in rates that do not accurately reflect changes in the number of events occurring in the population. We recommend analyzing the underlying counts for each event before interpreting variation in rates from 2011 to 2012.

KEY FINDINGS

STABILITY IN NUMBER OF RESIDENT BIRTHS

In 2013 there were 84,963 resident births, representing the lowest annual number of resident births since 1999. Compared to 2012, the number of births decreased for all racial/ethnic groups excluding Black or African Americans, who had a 0.2 percent increase.

SELECTED CHARACTERISTICS OF THE WOMEN GIVING BIRTH IN 2013

Among women who gave birth in Arizona in 2013:

- 45,792 births (53.9 percent) were paid for by the Arizona Health Care Cost Containment System (AHCCCS).
- 38,352 (45.2 percent) were unmarried, which may signify absence of emotional, social, and financial resources.
- 35,447 (41.7 percent) had a serious medical condition such as hypertension, anemia, or diabetes.
- 27,211 (32.0 percent) experienced complications during labor and/or delivery.
- 15,757 (18.5 percent) received late or no prenatal care.
- 7,222 (8.5 percent) were teenagers 19 years old or younger.
- 3,944 (4.6 percent) smoked and/or used alcohol during pregnancy.

TEEN PREGNANCIES

In 2013, both the number of teen pregnancies (n = 8,715) and the teen pregnancy rate (19.2) were the lowest they have been since at least 1983 (the most recent information that could be found). From 2007 to 2013 the number of teen pregnancies decreased by 42.0 percent and the pregnancy rate by 44.2 percent. From 2012 to 2013 the number of teen pregnancies decreased by 10.2 percent and the pregnancy rate by 11.1 percent.

The number of teenage pregnancies decreased more than 50 percent between 2007 and 2013

for white non-Hispanic and Asian females, more than 40 percent for Hispanic or Latino and American Indian females, and around 30 percent for Black or African American females.

Teenage females also received fewer abortions in 2013 (n = 1,441) than in 2012 (n = 1,539). More than 40 percent of abortion records for teenage females reported either multiple race/ethnicities or was missing information on race/ethnicity, making the calculation of percent change in teenage abortions by race/ethnicity ineffective.

TOTAL MORTALITY

During 2013, 49,929 Arizona residents died, 1,470 more than in 2012. The 2013 age-adjusted mortality rate slightly increased from 687.2 per 100,000 residents in 2012 to 687.8 per 100,000 residents in 2013. The median age at death in 2013 was 76.9 years.

INFANT MORTALITY

In 2013, 447 infants died before reaching their first birthday, 254 fewer than the latest peak of 701 infant deaths in 2007. The infant mortality rate (IMR) decreased from 5.8 infant deaths per 1,000 live births in 2012 to 5.3/1,000 in 2013, the lowest IMR in the State's history.

Newborn weight at birth is one of the most important predictors of an infant's survival chances. In 2013, the mortality rate among babies weighing less than 500 grams at birth was 84.8 percent. Together, births of infants weighing less than 1,500 grams accounted for 1.1 percent of births and 47.9 percent of all infant deaths.

CAUSE-SPECIFIC MORTALITY

In 2013, the number of deaths due to ***nephritis*** decreased from 440 in 2012 to 391 in 2013, a 11.1 percent decrease. In 2013, 160 Arizonans died from ***obesity*** as the underlying cause of death, a 16.2 percent decrease from 2012. The number of completed ***suicides*** in 2013 (n = 1,116) was a slight increase from the 1,070 suicides observed in 2012. In 2013, males accounted for 77.1 percent of suicides. In 2013, suicide was the 7th leading cause of death among males. It ranked as the 11th leading cause of mortality for females. The age-adjusted suicide rate increased from 16.2 suicides per 100,000 in 2012 to 17.0/100,000 in 2013. From 2012 to 2013, middle-aged adults (ages 45-64 years) experienced an unprecedented increase in mortality from accidental poisoning, increasing 26.1 percent.

From 2009 to 2013 the number of deaths from ***diabetes*** increased by 61.8 percent, from 1,078 deaths in 2009 to 1,744 deaths in 2013. In addition to 1,744 deaths that had diabetes assigned as the underlying cause, another 2,762 deaths had diabetes assigned as a contributing factor. The diabetes-related death rate of 60.7/100,000 was 2.6 times greater than the rate for diabetes as underlying cause (23.6/100,000). The diabetes-related death rate includes all mentions of diabetes on the death certificate as the underlying cause or other than underlying cause.

HOSPITAL CARE

In 2013 there were 636,535 inpatients discharged, excluding newborn infants, from non-Federal short stay hospitals in Arizona. Among those admitted as inpatients, 2,701 Arizonans were hospitalized with the diagnosis of ***enterocolitis due to Clostridium difficile*****,** a bacterial inflammation of the intestines. The disease is of growing public health concern because it is often acquired in hospitals and other health care institutions with long-term patients as residents.

In 2013, 2,568 Arizonans were admitted as inpatients with the diagnosis of ***depression*** as first-listed diagnosis. In addition there were 6,885 emergency room records with depression as the first-listed diagnosis (for a total of 10,256 hospital encounters). When considering all nine potential diagnoses associated with a hospital discharge, depression was associated with 100,979 inpatient or emergency room discharges in 2013.

EMERGENCY ROOM CARE

During 2013, nearly 2.0 million visits were made by Arizona residents to hospital emergency rooms (ER), about 30.2 visits per 100 persons. In 2013, ***abdominal pain***, ***chest pain***, ***acute upper respiratory infection***, ***mental disorders***, ***contusion with intact skin surfaces***, and ***spinal disorders*** were the leading diagnostic categories, accounting for approximately one-fourth (22.2 percent) of all visits

Around seventeen-hundred Arizonans were treated in an emergency room with the diagnosis of ***exposure to excessive natural heat*****.**

A comparison of some of the basic findings for the State for 2003, 2008, and 2013 is presented on the following page.

COMPARISON
OF SELECTED VITAL STATISTICS FOR ARIZONA RESIDENTS, 2003, 2008, and 2013

	2003	2008	2013
POPULATION Total, all ages	5,629,870	6,534,921	6,581,054
Females aged 15-44	1,190,388	1,326,554	1,286,456
Elderly 65+	732,738	849,677	981,128
MARRIAGES	35,908	38,030	35,791
Marriage rate per 1,000 population	6.4	5.8	5.4
DIVORCES	24,269	24,106	26,037
Divorce rate per 1,000 population	4.3	3.7	4.0
PREGNANCIES Total, all ages	101,476	110,155	98,762
Teen* pregnancies	13,654	14,047	8,715
Teen* pregnancy rate per 1,000 females	34.5	31.6	19.2
BIRTHS Total, all ages	90,783	99,215	84,963
Birth rate per 1,000 population	16.1	15.2	12.9
Teen* births	11,700	12,161	7,222
Teen* birth rate per 1,000 females	29.5	27.4	15.9
Births to unmarried mothers	37,394	44,728	38,352
Births to unmarried mothers per 100 births	41.2	45.1	45.1
Low-birthweight (LBW) births	6,427	7,026	5,849
LBW ratio per 100 births	7.1	7.1	6.9
Multiple births	2,581	2,868	2,547
DEATHS Total deaths, all causes & ages	42,830	45,128	49,929
Death rate per 100,000 population	760.8	690.6	758.7
Infant deaths	586	625	447
Infant mortality rate per 1,000 births	6.5	6.3	5.3
SIDS (Sudden Infant Death Syndrome) deaths	28	21	14
Maternal deaths	5	10	9
Deaths from cardiovascular diseases	13,946	13,131	13,746
Deaths from breast cancer among females	667	725	827
Deaths from lung cancer	2,682	2,632	2,763
Deaths from Alzheimer's disease	1,691	2,080	2,384
Deaths from influenza and pneumonia	1,248	1,060	724
Deaths from morbid obesity	53	78	160
Deaths from diabetes	1,124	1,147	1,744
Suicides, total	807	876	1,116
Elderly suicides	145	172	224
Teen** suicides	39	56	32
Homicides, total	480	448	383
Teen** homicides	48	62	31
Deaths from HIV disease	172	109	90
Deaths from motor vehicle-related injuries	1,005	874	767
Firearm-related deaths	834	883	931
Drug-induced deaths	646	523	1,099
Accidental drowning deaths, all ages	88	70	72
Drowning among children 0-4 years old	19	24	19
Deaths from exposure to excessive natural heat	40	33	56
Deaths from exposure to excessive natural cold	15	25	28
ABORTIONS Total, all ages	10,154	10,396	13,254
Abortions to teens*	1,867	1,813	1,441
FETAL LOSSES Total, all ages	539	544	545
Among pregnant teens*	87	73	52

Notes: * 19 years old or younger; ** 15-19 years old.

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Part I:

THE STATE

CHAPTER 1

REPRODUCTIVE AND PERINATAL HEALTH, ARIZONA, 2003-2013

1A. PREGNANCIES BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND AGE GROUP

1B. NATALITY: MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

1C. FETAL, PERINATAL, AND MATERNAL DEATHS

1D. ABORTIONS



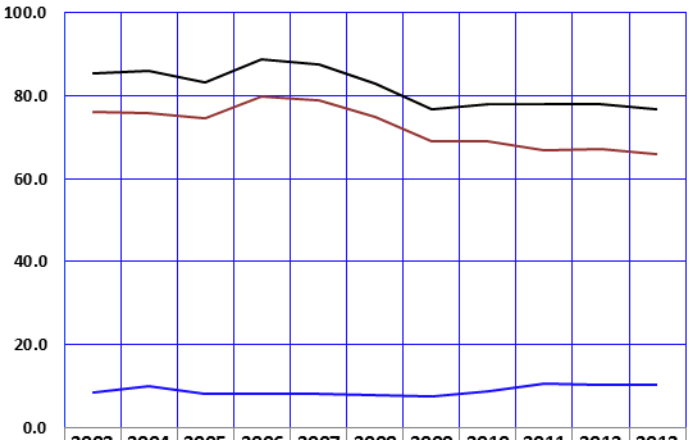
1A.

PREGNANCIES BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND AGE GROUP

The expression "reproductive and perinatal health" refers to a variety of health and sociodemographic characteristics of women who became pregnant, factors related to the course of their pregnancies, and the status of pregnancy outcomes. In this report, pregnancies are measured as the sum of three components: **live births** (see Section 1B), **spontaneous terminations of pregnancy** (fetal deaths or stillbirths; Section 1C), and **abortions** (Section 1D).

There were 98,762 pregnancies in Arizona in 2013 compared to 99,324 in 2012 and 110,155 in 2008. The number of resident live births decreased 0.9 percent from 85,725 in 2012 to 84,963 in 2013 (**Table 1A-1**). The number of reported abortions increased 1.0 percent from 13,129 in 2012 to 13,254 in 2013. The number of reportable spontaneous fetal losses increased 16.0 percent from 470 in 2012 to 545 in 2013.

Figure 1A-1
Pregnancy, Fertility, and Abortion Rates[a] by Outcome and Year among Females of Childbearing Ages (15 – 44 years), Arizona, 2003 - 2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Pregnancy	85.3	86.1	83.2	88.7	87.5	83.0	76.7	78.1	78.0	77.9	76.8
Fertility	76.3	75.7	74.7	80.0	78.9	74.8	68.9	68.9	67.0	67.2	66.0
Abortion	8.5	10.0	8.1	8.2	8.1	7.8	7.5	8.8	10.7	10.3	10.3

Note: [a] All rates per 1,000 females in specified age group.

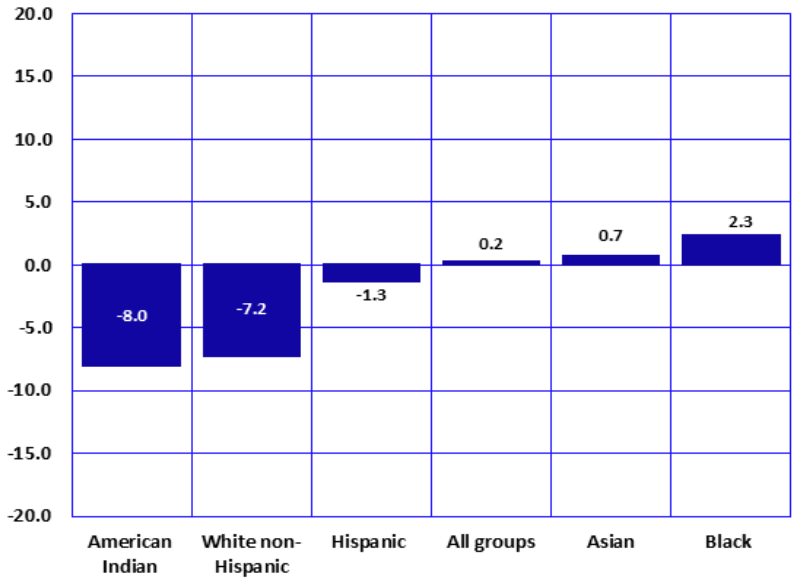
Rate is a measure of the frequency of some event (such as pregnancy, or live birth) in relation to a unit of population during a specified time period such as a year; events in the numerator of the year occur to individuals in the denominator. The pregnancy rate decreased from 77.9 pregnancies per 1,000 females of childbearing age in 2012 to 76.8/1,000 in 2013 (**Figure 1A-1**, **Table 1A-1**).

The fertility rate (the number of births per 1,000 women of childbearing age) also decreased from 67.2/1,000 in 2012 to 66.0/1,000 in 2013. The fertility rate in 2013 was 17.5 percent lower than the recent high of 2006.

The abortion rate (the number of abortions per 1,000 women of childbearing age) remained unchanged at 13.0 in 2012 and 2013. The stability in the abortion rate from 2011 through 2013 reflects consistent abortion reporting procedures maintained over the past three years.

It is important to note that the number of females aged 15-44 years estimated in 2013 (n = 1,286,456) was higher than in 2012 (n = 1,274,871).

Figure 1A-2
Percent Change from 2010 to 2013 in the Number of Pregnancies by Woman's Race/Ethnicity, Arizona



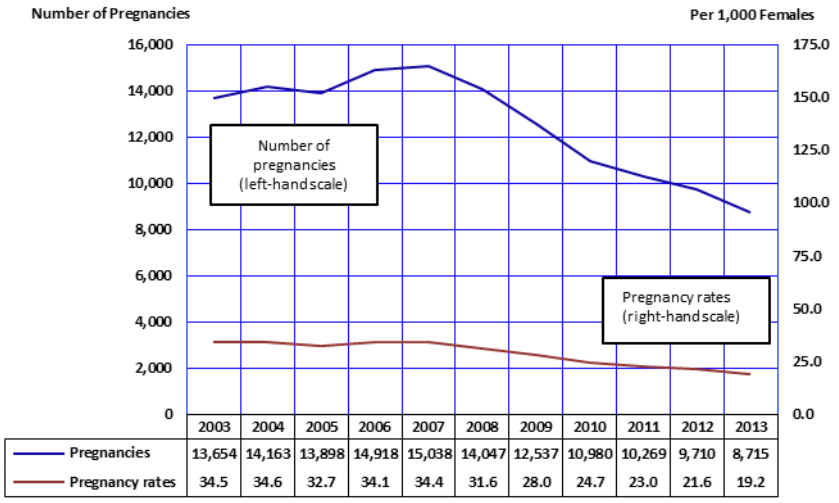
Overall, pregnancies in Arizona decreased 0.2 percent from 2010 to 2013. While the overall number of pregnancies remained stable over this period, the number of pregnancies across these years varied by race/ethnicity.

American Indian females (8.0 percent) and White non-Hispanic females (7.2 percent) experienced the greatest percent decrease in number of pregnancies from 2010 to 2013 (**Figure 1A-2**, **Table 1A-1**). Pregnancies among Hispanic females decreased 1.3 percent from 2010 to 2013, while the number of pregnancies for Asian females (0.7 percent) and Black females (2.3 percent) both increased over this period.

There is a difference between pregnancy rates and the absolute number of pregnancies. The teen pregnancy rate measures the proportion of teenagers becoming pregnant in a given year; in other words, the relative "*risk for pregnancy*" in a population "*at risk*". The number of pregnancies is also determined by the size of the population "*at risk*": or in this case, by the number of teenage females in the population.

The number of teen pregnancies decreased by 42.1 percent from 15,038 in 2007 to 8,715 in 2013 (**Figure 1A-3**). The teen pregnancy rate declined even more, by 44.2 percent, from 34.4 pregnancies per 1,000 females 10-19 years in 2007 to 19.2/1,000 in 2013. The number of teenage pregnancies and the teen pregnancy rate of 2013 were the lowest recorded since at least 1980.

Figure 1A-3
Trends in the Number of Pregnancies and Pregnancy Rates[a] among Females 19 or Younger, Arizona, 2003 - 2013



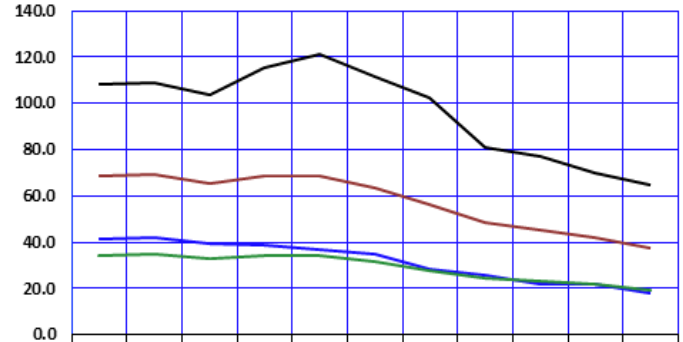
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Pregnancies	13,654	14,163	13,898	14,918	15,038	14,047	12,537	10,980	10,269	9,710	8,715
Pregnancy rates	34.5	34.6	32.7	34.1	34.4	31.6	28.0	24.7	23.0	21.6	19.2

Note: [a] Pregnancy rate is the number of pregnancies per 1,000 females in specified age group.

The pregnancy rate for Arizona teenagers 15-19 years old in 2013 was 37.7 pregnancies per 1,000 females (**Figure 1A-4**, **Table 5A-2**), 10.7 percent lower than 2012 and 44.9 percent lower than in 2007. The pregnancy rate for younger teenagers 15-17 years old declined by 51.2 percent (**Table 1A-3**) from 36.9/1,000 in 2007 to 18.0/1,000 in 2013. The pregnancy rate for older teenagers 18-19 years old declined by 46.6 percent from 121.4/1,000 in 2007 to 64.8/1,000 in 2013 (**Table 1A-4**).

County-level information about teen pregnancies and pregnancy rates is provided in **Table 5A-2**, **Table 5A-3,** and **Table 5A-5**. Pregnancy statistics for Arizona are not available on a sub-county level.

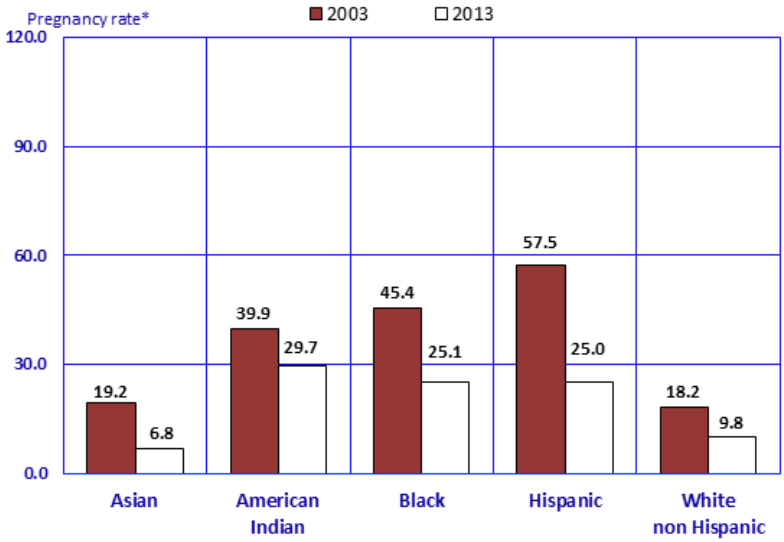
Figure 1A-4
Pregnancy Rates[a] by Age Group and Year among Females 19 or Younger, Arizona, 2003 - 2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
15-17	41.6	42.0	39.1	39.0	36.9	34.6	28.5	25.5	22.1	21.8	18.0
15-19	68.9	69.4	65.6	68.7	68.4	63.2	56.1	48.3	45.1	42.2	37.7
18-19	108.2	108.7	103.6	115.6	121.4	111.3	102.5	80.8	77.2	70.2	64.8
All 19 or younger	34.5	34.6	32.7	34.1	34.4	31.6	28.0	24.7	23.0	21.6	19.2

Note: [a] All rates per 1,000 females in specified age group.

Figure 1A-5
Comparison of Pregnancy Rates[a] by Race/Ethnicity and Year among Females 19 or Younger in Arizona, 2003, and 2013



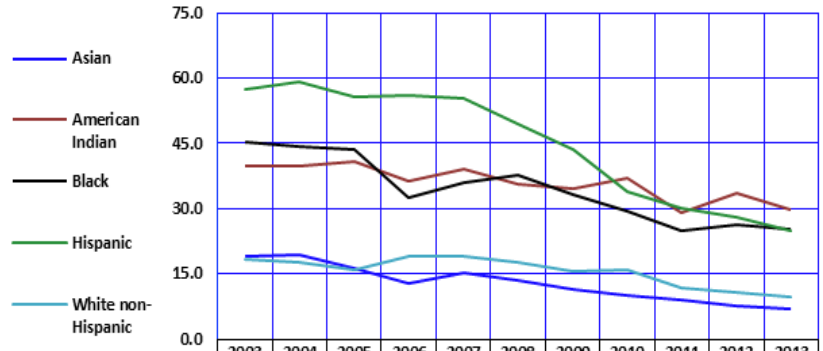
Note: [a] All rates per 1,000 females in specified age group.

Teen pregnancy rates differ by race/ethnicity.

Between 2003 and 2013, pregnancy rates among females aged 19 and younger declined for all racial/ethnic groups (**Figure 1A-5**). The steepest decline in teenage pregnancy rates was recorded for Asian females, who experienced a 64.6 percent drop from 2003 to 2013. The Hispanic teenage pregnancy rate decreased 56.5 percent from 57.5 in 2003 to 25.0 in 2013, representing a much larger decline in the absolute number of pregnant teenage Hispanics compared to Asians.

The changes in annual teen pregnancy rates from 2003 to 2013 are shown in detail below.

Figure 1A-6
Pregnancy Rates[a] by Race/Ethnicity and Year among Females 19 or Younger, Arizona, 2003 - 2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Asian	19.2	19.3	16.2	12.9	15.3	13.5	11.6	9.9	9.1	7.5	6.8
American Indian	39.9	39.7	40.8	36.2	39.1	35.5	34.7	37	29.2	33.6	29.7
Black	45.4	44.2	43.5	32.6	36.1	37.7	33.3	29.5	24.9	26.2	25.1
Hispanic	57.5	59.2	55.5	56	55.3	49.4	43.5	33.8	30.2	28.0	25.0
White non-Hispanic	18.2	17.7	15.8	18.9	19	17.5	15.6	15.9	11.8	10.7	9.8

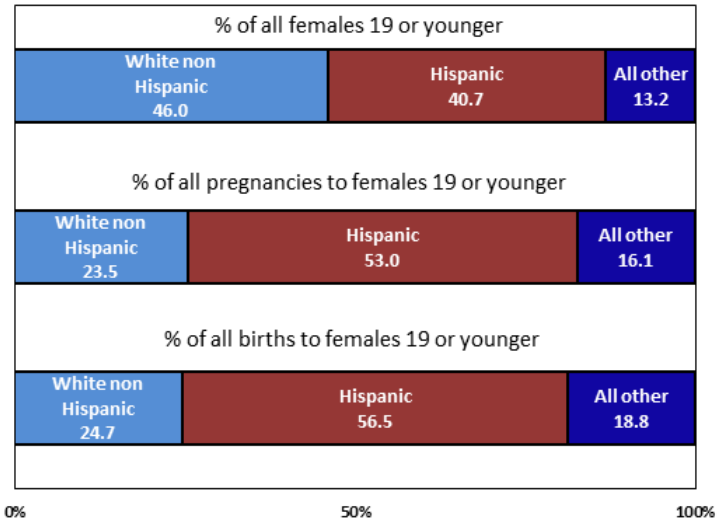
Note: [a] All rates per 1,000 females in specified age group.

The teen pregnancy rates for all racial/ethnic groups were lower in 2013 than in 2003 (**Figure 1A-6).** Compared to 2012, the teen pregnancy rate decreased for all racial/ethnic groups.

From 2012 to 2013, teenage pregnancy rates decreased 11.6 percent for American Indian females, 10.7 percent for Hispanic or Latino females, 9.3 percent for Asian or Pacific Islander females, 8.4 percent among White non-Hispanic females, and 4.2 percent for Black or African American females.

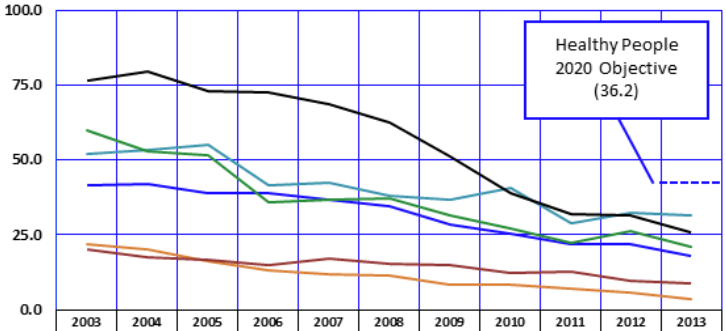
In 2013, Hispanic females accounted for approximately 40.7 percent of all females 10-19 years old in Arizona. As in the past, they accounted for a large percentage of teen pregnancies (53.0 percent) and live births (56.5 percent; **Figure 1A-7**). In contrast, White non-Hispanic females made up a larger proportion of all females 10-19 years old in Arizona, but had a lower proportional contribution to teen pregnancies (23.5 percent) and live births (24.7 percent). Note: percentages are based on the number of pregnancies and births in **Table 1A-5**.

Figure 1A-7
Proportional Contribution by Race/Ethnicity to Pregnancies and Live Births among Females 19 or Younger, Arizona, 2013



In 2013, the pregnancy rate of 18.0 pregnancies per 1,000 adolescent females 15-17 years old in Arizona was 49.7 percent lower than the ***Healthy People 2020*** objective of 36.2/1,000 (**Figure 1A-8**, **Table 1A-3**). For all racial/ethnic groups in Arizona, the pregnancy rates for females age 15-17 years were below the Healthy People 2020 objective. The 2013 pregnancy rate among Asians age 15-17 was 9.8 times lower than the objective and among White non-Hispanics 4.0 times lower than the objective. While lower than the 2020 objective, the pregnancy rates of American Indians, Hispanics, and Blacks were substantially higher than their White non-Hispanic and Asian counterparts.

Figure 1A-8
Pregnancy Rates by Race/Ethnicity and Year among Females 15-17 Years: 2003 - 2013 and the "Healthy Arizona 2020" Objective



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
All groups	41.6	42.0	39.1	39.0	36.9	34.6	28.5	25.5	22.1	21.8	18.0
American Indian	52.0	53.2	55.0	41.5	42.4	38.1	36.9	40.5	28.8	32.2	31.5
Asian	22.0	20.2	16.2	13.0	12.0	11.6	8.2	8.3	7.2	5.6	3.7
Black	59.8	53.0	51.6	36.1	36.9	37.2	31.6	27.3	22.3	26.2	20.9
Hispanic	76.5	79.7	72.9	72.7	68.5	62.7	51.3	38.9	31.8	31.6	25.9
White non-Hispanic	20.2	17.5	16.9	14.9	17.2	15.6	14.9	12.3	12.9	9.6	9.0

Note: [a] All rates per 1,000 females in specified age group.

TABLE 1A-1
NUMBER OF PREGNANCIES[a] BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR WITH RATES[b], ARIZONA, 2003-2013

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE[c] NON-HISPANIC, total:	43,928	45,236	44,296	48,329	47,633	46,860	44,737	44,174	40,868	40,769	40,982	**62.3**
Births	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670	38,220	**58.1**
Abortions	4,887	5,726	4,431	5,106	5,202	4,737	4,759	5,241	2,385	1,904	2,515	**3.8**
Fetal deaths	199	239	208	210	215	198	197	156	189	195	247	**0.4**
HISPANIC OR LATINO, total:	42,788	45,534	45,500	48,266	49,717	45,997	41,869	37,953	36,853	36,720	37,469	**82.8**
Births	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146	33,075	**73.1**
Abortions	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422	4,274	3,393	4,189	**9.3**
Fetal deaths	246	227	232	244	267	234	204	198	181	181	205	**0.5**
BLACK OR AFRICAN AMERICAN, total:	3,558	3,972	4,068	4,484	4,884	5,089	5,166	4,843	4,538	4,867	4,955	**84.9**
Births	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715	4,726	**81.0**
Abortions	495	723	585	581	675	744	736	476	145	116	189	**3.2**
Fetal deaths	41	33	33	39	44	44	52	39	27	36	40	**0.7**
AMERICAN INDIAN OR ALASKA NATIVE, total:	6,279	6,497	6,691	6,744	6,757	6,706	6,516	6,063	5,921	5,650	5,577	**80.7**
Births	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569	5,476	**79.2**
Abortions	357	341	353	342	310	297	300	218	48	38	61	**0.9**
Fetal deaths	41	36	45	38	39	47	46	30	43	43	40	**0.6**
ASIAN OR PACIFIC ISLANDER, total:	2,804	3,075	3,195	3,537	3,883	3,856	3,797	3,564	3,579	3,715	3,589	**73.9**
Births	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625	3,466	**71.4**
Abortions	272	444	379	391	454	412	390	254	47	75	110	**2.3**
Fetal deaths	8	17	11	10	17	19	11	17	27	15	13	**0.3**
ALL RACE/ETHNIC GROUPS[c], total:	101,476	106,252	106,776	113,091	113,756	110,155	103,172	98,548	99,266	99,324	98,762	**76.8**
Births	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963	**66.0**
Abortions	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	13,606	13,129	13,254	**10.3**
Fetal deaths	539	e505	532	543	583	544	511	443	470	470	545	**0.4**
Pregnancy rate, total:	**85.3**	**86.1**	**83.2**	**88.7**	**87.5**	**83.0**	**76.7**	**78.1**	**78.0**	**77.9**	**76.8**	
Fertility rate[d]	**76.3**	**75.7**	**74.7**	**80.0**	**78.9**	**74.8**	**68.9**	**68.9**	**67.0**	**67.2**	**66.0**	
Abortion rate	**8.5**	**10.0**	**8.1**	**8.2**	**8.1**	**7.8**	**7.5**	**8.8**	**10.7**	**10.3**	**10.3**	

Notes: [a] The sum of recorded live births, abortions and fetal deaths; beginning in 2003, fetal deaths are spontaneous terminations of pregnancy at 20 or more weeks of gestation (or, if the gestational period is unknown, these are the deaths of fetuses weighing 350 grams or more); [b] All rates per 1,000 females of childbearing age (15-44 years); [c] Includes other and unspecified ethnicity; [d] Number of births per 1,000 females of childbearing age; [e] The total number of fetal deaths for 2004 was revised from 555 to 505; for the revised 2004 counts of fetal deaths by race/ethnicity see Table 1C-4; [f] A coding error in the abortion reporting document incorrectly specified a portion of those who self-identified as multiple race with all possible racial choices.

TABLE 1A-2

NUMBER OF PREGNANCIES[a] BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES AGED 17 AND YOUNGER WITH RATES[b], ARIZONA, 2003-2013

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE[c] NON-HISPANIC, total:	1,131	1,129	1,028	1,204	1,165	1,074	894	770	600	564	448	**2.8**
Births	805	764	728	871	805	784	669	553	507	483	373	**2.3**
Abortions	322	360	293	324	353	287	218	214	90	71	72	**0.4**
HISPANIC OR LATINO, total:	2,993	3,198	3,043	3,281	3,286	3,057	2,496	2,106	1,731	1,728	1,443	**9.7**
Births	2,746	2,916	2,858	3,046	3,007	2,835	2,340	1,927	1,528	1,574	1,291	**8.7**
Abortions	224	267	172	217	254	207	144	167	196	150	142	**1.0**
BLACK OR AFRICAN AMERICAN, total:	256	241	247	255	268	266	221	189	170†	174	140	**8.4**
Births	207	192	207	194	207	215	187	161	162	164	128	**7.7**
Abortions	46	47	37	57	55	48	31	25	*	9	9	**0.5**
AMERICAN INDIAN OR ALASKA NATIVE, total:	501	495	530	477	504	452	436	361	310†	260†	260†	**12.2**
Births	471	473	499	449	471	430	411	345	307	258	251	**11.9**
Abortions	28	18	25	25	30	19	22	15	*	*	*	**
ASIAN OR PACIFIC ISLANDER, total:	47	46	39	43	43	41	30	30†	30†	20†	20†	**1.6**
Births	39	26	29	29	31	27	20	24	28	18	13	**1.4**
Abortions	8	20	10	14	12	14	9	*	*	*	*	**
ALL RACE/ETHNIC GROUPS[d], total:	5,027	5,188	5,029	5,347	5,300	4,970	4,101	3,513	3,089	2,976	2,476	**6.9**
Births	4,321	4,415	4,364	4,620	4,541	4,312	3,633	3,015	2,548	2,497	2,056	**5.8**
Abortions	674	747	636	693	718	634	442	479	527	463	402	**1.1**
Pregnancy rate, total:	**15.9**	**15.9**	**14.8**	**15.1**	**14.8**	**13.7**	**11.2**	**10.0**	**8.7**	**8.4**	**6.9**	
Fertility rate[e]	**13.7**	**13.5**	**12.9**	**13.0**	**12.7**	**11.9**	**9.9**	**8.6**	**7.2**	**7.1**	**5.8**	
Abortion rate	**2.1**	**2.3**	**1.9**	**2.0**	**2.0**	**1.7**	**1.2**	**1.4**	**1.5**	**1.3**	**1.1**	

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Fetal deaths are included in the total counts of pregnancies; [b] All rates per 1,000 females 10-17 years old; [c] Not of Hispanic origin; [d] Includes other and unspecified ethnicity; [e] Number of births per 1,000 females 10-17 years old.

TABLE 1A-3
NUMBER OF PREGNANCIES[a] BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 15-17 YEARS OLD WITH RATES[b], ARIZONA, 2003-2013

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE[c] NON-HISPANIC, total:	1,090	1,093	996	1,157	1,067	1,038	863	742	577	549	434	**7.1**
Births	782	747	711	852	779	769	649	541	494	475	365	**6.0**
Abortions	304	341	278	296	282	266	207	198	80	65	66	**1.1**
HISPANIC OR LATINO, total:	2,819	3,040	2,885	3,131	3,126	2,911	2,401	2,021	1,653	1,670	1,390	**25.9**
Births	2,600	2,779	2,721	2,923	2,892	2,724	2,253	1,859	1,467	1,528	1,244	**23.1**
Abortions	197	247	151	193	210	173	136	151	179	138	136	**2.5**
BLACK OR AFRICAN AMERICAN, total:	247	228	234	239	242	248	212	178	160†	166	133	**20.9**
Births	204	180	199	187	195	203	181	151	152	159	122	**19.2**
Abortions	40	46	32	48	42	43	28	24	*	6	8	**1.3**
AMERICAN INDIAN OR ALASKA NATIVE, total:	461	473	505	457	470	428	419	345	300†	250†	250†	**31.5**
Births	434	452	478	430	445	408	394	331	293	251	243	**30.8**
Abortions	25	17	21	24	22	17	22	13	*	*	*	**
ASIAN OR PACIFIC ISLANDER, total:	45	44	38	39	39	38	30†	30†	26	20†	10†	**3.7**
Births	38	25	28	28	31	26	18	23	26	17	11	**3.2**
Abortions	7	19	10	11	8	12	*	*	0	*	*	**
ALL RACE/ETHNIC GROUPS[d], total:	4,755	4,955	4,790	5,105	4,975	4,740	3,945	3,363	2,939	2,860	2,385	**18.0**
Births	4,110	4,227	4,179	4,450	4,361	4,151	3,501	2,910	2,447	2,430	1,985	**15.0**
Abortions	614	703	582	624	576	567	418	435	478	414	382	**2.9**
Pregnancy rate, total:	**41.6**	**42.0**	**39.1**	**39.0**	**36.9**	**34.6**	**28.5**	**25.5**	**22.1**	**21.8**	**18.0**	
Fertility rate[e]	**35.9**	**35.8**	**34.1**	**34.0**	**32.3**	**30.3**	**25.3**	**22.1**	**18.4**	**18.5**	**15.0**	
Abortion rate	**5.4**	**6.0**	**4.8**	**4.8**	**4.3**	**4.1**	**3.0**	**3.3**	**3.6**	**3.1**	**2.9**	

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Fetal deaths are included in the total counts of pregnancies; [b] All rates per 1,000 females 15-17 years old; [c] Not of Hispanic origin; [d] Includes other and unspecified ethnicity; [e] Number of births per 1,000 females 15-17 years old.

TABLE 1A-4
NUMBER OF PREGNANCIES[a] BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 18-19 YEARS OLD WITH RATES[b], ARIZONA, 2003-2013

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE[c] NON-HISPANIC, total:	2,772	2,795	2,603	2,944	2,936	2,778	2,560	2,316	1,792	1,675	1,602	**34.0**
Births	2,165	2,042	2,016	2,338	2,295	2,209	2,046	1,833	1,582	1,494	1,408	**29.9**
Abortions	592	735	574	593	629	554	502	480	199	167	185	**3.9**
HISPANIC OR LATINO, total:	4,483	4,767	4,705	5,115	5,259	4,707	4,400	3,812	3,566	3,357	3,175	**87.4**
Births	4,046	4,222	4,330	4,692	4,775	4,333	4,001	3,421	3,103	3,053	2,789	**76.8**
Abortions	406	517	350	392	456	354	381	365	442	291	367	**10.1**
BLACK OR AFRICAN AMERICAN, total:	408	430	441	476	498	546	501	446	413	390†	397	**82.8**
Births	342	348	362	407	414	441	416	401	399	380	379	**79.1**
Abortions	61	78	77	67	81	95	79	42	13	*	14	**2.9**
AMERICAN INDIAN OR ALASKA NATIVE, total:	714	720	759	800	849	794	793	664	690†	640†	530†	**97.8**
Births	670	669	705	767	814	755	759	643	680	632	524	**96.7**
Abortions	40	47	51	30	33	35	30	21	*	*	*	**
ASIAN OR PACIFIC ISLANDER, total:	87	102	93	89	124	108	99	88	90†	68	70†	**25.5**
Births	68	66	67	63	72	86	68	79	83	61	66	**24.8**
Abortions	19	36	25	26	51	22	31	9	*	7	*	**
ALL RACE/ETHNIC GROUPS[d], total:	8,627	8,975	8,869	9,571	9,738	9,077	8,436	7,467	7,180	6,734	6,239	**64.8**
Births	7,379	7,448	7,569	8,296	8,431	7,849	7,319	6,401	5,887	5,620	5,166	**53.6**
Abortions	1,193	1,473	1,256	1,226	1,261	1,179	1,077	1,033	1,258	1,077	1,039	**10.8**
Pregnancy rate, total:	**108.2**	**108.7**	**103.6**	**115.6**	**121.4**	**111.3**	**102.5**	**80.8**	**77.2**	**70.2**	**64.8**	
Fertility rate[e]	**92.5**	**90.2**	**88.4**	**100.2**	**105.1**	**96.3**	**89.0**	**69.2**	**63.3**	**58.6**	**53.6**	
Abortion rate	**15.0**	**17.8**	**14.7**	**14.8**	**15.7**	**14.5**	**13.1**	**11.2**	**13.5**	**11.2**	**10.8**	

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Fetal deaths are included in the total count of pregnancies; [b] All rates per 1,000 females 18-19 years old; [c] Not of Hispanic origin; [d] Includes other and unspecified ethnicity; [e] Number of births per 1,000 females 18-19 years old.

TABLE 1A-5
NUMBER OF PREGNANCIES[a] BY PREGNANCY OUTCOME, RACE/ETHNICITY, AND YEAR AMONG FEMALES 19 AND YOUNGER, WITH RATES[b], ARIZONA, 2003-2013

Race/ethnicity Pregnancy outcome	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2013 Rates
WHITE[c] NON-HISPANIC, total:	3,903	3,924	3,631	4,148	4,101	3,852	3,454	3,086	2,392	2,239	2,050	**9.8**
Births	2,970	2,806	2,744	3,209	3,100	2,993	2,715	2,386	2,089	1,977	1,781	**8.5**
Abortions	914	1,095	867	917	982	841	720	694	289	238	257	**1.2**
HISPANIC OR LATINO, total:	7,476	7,965	7,748	8,396	8,545	7,764	6,896	5,918	5,297	5,085	4,618	**25.0**
Births	6,792	7,138	7,188	7,738	7,782	7,168	6,341	5,348	4,631	4,627	4,080	**22.1**
Abortions	630	784	522	609	710	561	525	532	638	441	509	**2.8**
BLACK OR AFRICAN AMERICAN, total:	664	671	688	731	766	812	722	635	580	562	537	**25.1**
Births	549	540	569	601	621	656	603	562	561	544	507	**23.7**
Abortions	107	125	114	124	136	143	110	67	17	14	23	**1.1**
AMERICAN INDIAN OR ALASKA NATIVE, total:	1,215	1,215	1,289	1,277	1,353	1,246	1,229	1,025	1,000†	900†	787	**29.7**
Births	1,141	1,142	1,204	1,216	1,285	1,185	1,170	988	987	890	775	**29.3**
Abortions	68	65	76	55	63	54	52	36	*	*	8	**0.3**
ASIAN OR PACIFIC ISLANDER, total:	134	148	132	132	167	149	129	117	120†	88	80†	**6.8**
Births	107	92	96	92	103	113	88	103	111	79	79	**6.5**
Abortions	27	56	35	40	63	36	40	14	*	9	*	**
ALL RACE/ETHNIC GROUPS[d], total:	13,654	14,163	13,898	14,918	15,038	14,047	12,537	10,980	10,269	9,710	8,715	**19.2**
Births	11,700	11,863	11,933	12,916	12,972	12,161	10,952	9,416	8,435	8,117	7,222	**15.9**
Abortions	1,867	2,220	1,892	1,919	1,979	1,813	1,519	1,512	1,785	1,539	1,441	**3.2**
Pregnancy rate, total:	**34.5**	**34.6**	**32.7**	**34.1**	**34.4**	**31.6**	**28.0**	**24.7**	**23.0**	**21.6**	**19.2**	
Fertility rate[e]	**29.5**	**29.0**	**28.1**	**29.6**	**29.7**	**27.4**	**24.4**	**21.2**	**18.9**	**18.0**	**15.9**	
Abortion rate	**4.7**	**5.4**	**4.5**	**4.4**	**4.5**	**4.1**	**3.4**	**3.4**	**4.0**	**3.4**	**3.2**	

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Fetal deaths are included in the total counts of pregnancies; [b] All rates per 1,000 females 19 or younger; [c] Not of Hispanic origin; [d] Includes other and unspecified ethnicity; [e] Number of births per 1,000 females 19 or younger.

TABLE 1A-6
NUMBER OF PREGNANCIES[a] BY PREGNANCY OUTCOME, AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2013

PREGNANCIES BY OUTCOME:

		All ages	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All groups	**Total pregnancies**	98,762	91	2,385	6,239	25,883	28,197	22,420	10,789	2,548	210†	0†
	Births	84,963	71	1,985	5,166	21,464	24,666	19,969	9,397	2,071	172	*
	Abortions[b]	13,254	20	382	1,039	4,304	3,372	2,328	1,313	464	32	0
	Fetal deaths	550†	0	18	34	115	159	123	79	13	*	*
White non-Hispanic	**Total pregnancies**	40,982	14	430†	1,602	8,792	12,680	11,264	5,016	1,080†	100†	0†
	Births	38,220	8	365	1,408	7,936	11,972	10,739	4,710	987	94	*
	Abortions[b]	2,520†	6	66	185	809	643	457	257	88	*	0
	Fetal deaths	250†	0	*	9	47	65	68	49	*	0	*
Hispanic or Latino	**Total pregnancies**	37,469	53	1,390	3,175	11,465	10,040	6,864	3,584	837	60†	0†
	Births	33,075	47	1,244	2,789	9,947	8,922	6,160	3,193	726	46	*
	Abortions[b]	4,189	6	136	367	1,468	1,056	668	371	105	12	0
	Fetal deaths	210†	0	10	19	50	62	36	20	6	*	*
Black or African American	**Total pregnancies**	4,955	10†	130†	400†	1,543	1,359	958	450†	100†	8	0
	Births	4,726	6	122	379	1,464	1,307	918	425	97	8	0
	Abortions[b]	190†	*	8	14	72	40	30	18	6	0	0
	Fetal deaths	40†	0	*	*	7	12	10	*	*	0	0
American Indian or Alaska Native	**Total pregnancies**	5,577	8	250†	530†	1,804	1,502	940†	430†	100†	10†	0
	Births	5,476	8	243	524	1,778	1,469	924	420	99	11	0
	Abortions[b]	60†	0	*	*	17	18	9	6	*	0	0
	Fetal deaths	40†	0	*	*	9	15	*	*	*	*	0
Asian or Pacific Islander	**Total pregnancies**	3,590†	0†	10†	70†	380†	1,020†	1,260†	660†	169	13	0
	Births	3,470†	*	11	66	339	996	1,228	649	162	13	0
	Abortions[b]	110†	0	*	*	37	21	29	12	7	0	0
	Fetal deaths	10†	0	0	0	*	*	*	*	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] The sum of recorded live births, spontaneous fetal losses and abortions; [b] Abortions include unknown or multiple race.

TABLE 1A-7
PREGNANCY RATES[a] AND NUMBER OF LIVE BIRTHS, FETAL DEATHS, AND ABORTIONS TO TEENS BY INDIVIDUAL AGE, ARIZONA, 2013

Age	Population	PREGNANCIES BY OUTCOME			TOTAL PREGNANCIES	
		Live births	Abortions	Spontaneous fetal losses	Number	Rate
10	44,616	0	0	0	0	**0.0**
11	44,648	0	0	0	0	**0.0**
12	45,813	*	0	0	*	**
13	45,682	15	*	0	18	**0.4**
14	44,249	55	17	0	72	**1.6**
10-14	225,007	71	20	0	91	**0.4**
15	43,941	223	59	*	287	**6.5**
16	44,226	609	121	*	732	**16.6**
17	44,189	1,153	202	11	1,366	**30.9**
15-17	132,356	1,985	382	18	2,385	**18.0**
18	46,859	2,012	415	15	2,442	**52.1**
19	49,437	3,154	624	19	3,797	**76.8**
18-19	96,296	5,166	1,039	34	6,239	**64.8**
Total 10-19	453,659	7,220†	1,440†	50†	8,720†	**19.2**

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6;
[a] Rates per 1,000 female population in specific group.



1B.

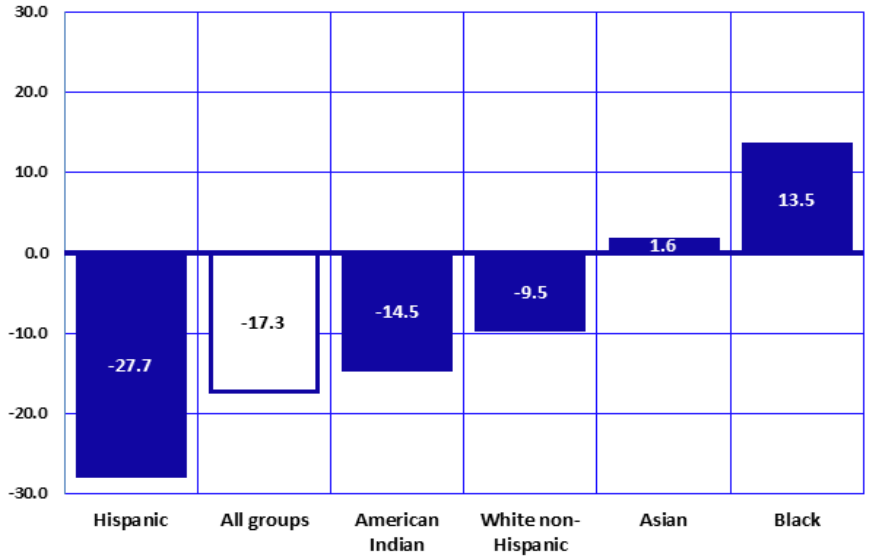
NATALITY:
MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

The number of resident births reached its recent peak in 2007 at 102,687 (**Table 1B-2**). In 2008, the number of resident births declined to 99,215; the first annual decline since 1991 (which, like 2008, also was an economic downturn year). Since 2008, the number of births declined until 2011, reaching a low of 85,190 births. In 2012, the number of resident births slightly increased to 85,725. The 84,963 resident births recorded in 2013 is the lowest number of births in Arizona since 1999 (n = 80,505).

There were striking differences in how the number of births changed from 2007 to 2013 by mother's race/ethnicity. Compared to 2007, the number of births for all combined racial/ethnic groups was 17.3 percent lower in 2013, although the number of births rose by 13.5 percent for Black or African American mothers. Hispanic or Latino women experienced a decrease of 27.7 percent during this period (**Figure 1B-1**).

Since the 2008 edition of this report, we have been pointing out that Hispanics, unlike any other racial/ethnic group in the State, faced not only the economic recession (shared by all), but also additional challenges such as the employer-sanction law (a penalty on employers hiring undocumented workers), and a widespread practice of e-verify (checking the legal-residence status of those seeking employment). Considering these factors, the decrease in births to Hispanic or Latino mothers is likely correlated with the social and economic conditions this particular group has been facing, especially considering the estimated number of Hispanic women of childbearing age (15 – 44 years) has increased from 405,306 in 2007 to 452,638 in 2013.

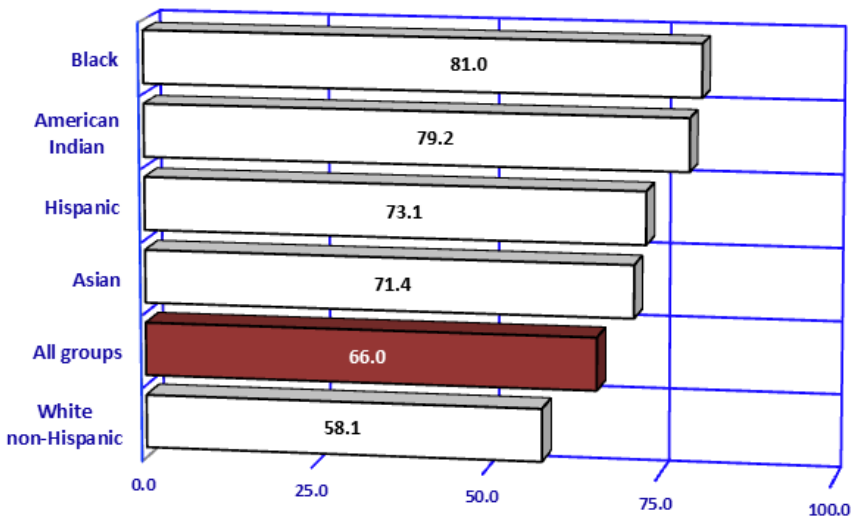
Figure 1B-1
Percent Change from 2007 to 2013 in the Number of Resident Live Births by Mother's Race/Ethnicity, Arizona



From 2007 to 2013, the number of resident live births declined by 17.3 percent (**Figure 1B-1**). The magnitude of the reduction in the number of births was the largest among Hispanics or Latinos (-27.7 percent) and American Indians (-14.5 percent).

Racial/ethnic groups that represent a relatively small proportion of Arizona's population have seen increases in the number of live births from 2007 to 2013. Both Asian (1.6 percent) and Black (13.5 percent) resident mothers had a greater number of live births in 2013 than in 2007.

Figure 1B-2
General Fertility Rates[a] by Race/Ethnicity among Females of all Ages, Arizona, 2013



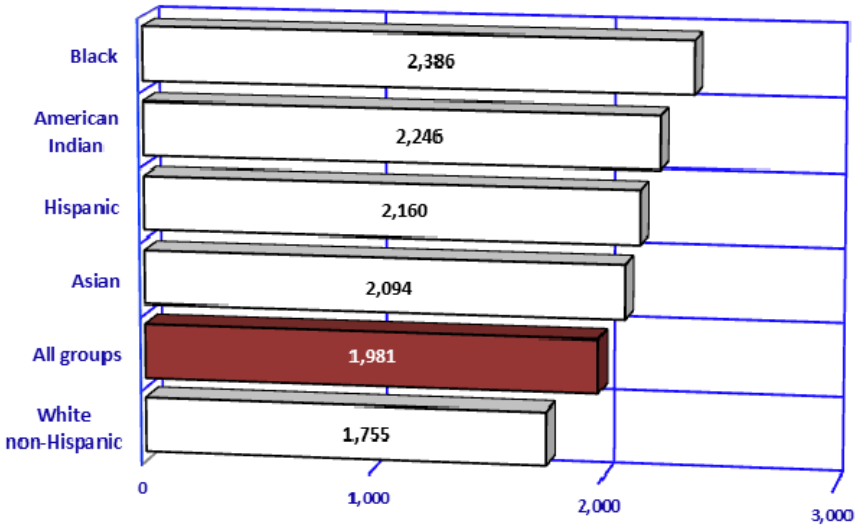
From among 1,286,456 women of childbearing age (15-44 years), 6.6 percent gave birth in 2013. The *general fertility rate* (the number of births per 1,000 women 15-44 years old; GFR) was the highest for Black or African American females, followed by American Indian, Hispanic, and Asian females. The GFR for White non-Hispanic females was the lowest of all racial/ethnic groups.

A comparison of fertility rates by county in Arizona is provided in **Table 5A-1**.

Note: [a] Number of births per 1,000 females 15-44 years old in specified group.

Figure 1B-3
Total Fertility Rates[a] by Race/Ethnicity, Arizona, 2013

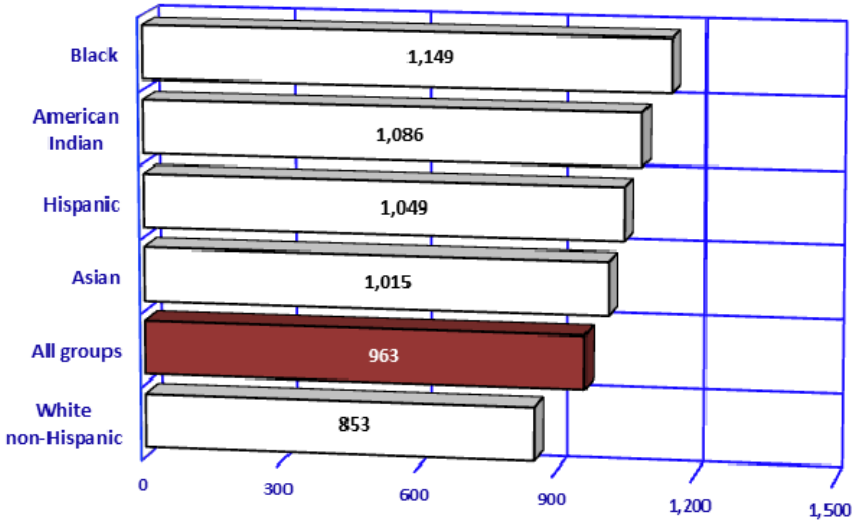
The *total fertility rate* (TFR) indicates the average number of births to a hypothetical cohort of 1,000 women, if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. From 2000 to 2008, Arizona's TFRs always exceeded the rate of "replacement" (2,110 births per 1,000 women, **Table 1B-1**). The "replacement" rate is considered the value at which a given generation can exactly replace itself. The TFR was 2,058 births per 1,000 women of childbearing age in 2009 and 2010, decreasing to 1,981 in 2013. The 2013 TFR of 2,386 for Black or African American women exceeded the generation replacement rate by 13.1 percent. The rate for White non-Hispanic women (1,755) was 16.8 percent lower than the replacement rate.



Note: [a] The sum of age group-specific birth rates multiplied by five (the number of years in the age group). The rate of 1,981 above for example, means that if a hypothetical group of 1,000 women were to have the same birth rates in each age group that were observed in the actual childbearing population in 2013, they would have a total of 1,981 children (or 2.0 children each) by the time they reached the end of the reproductive period (taken here as age 50), assuming that all of the women survived to that age.

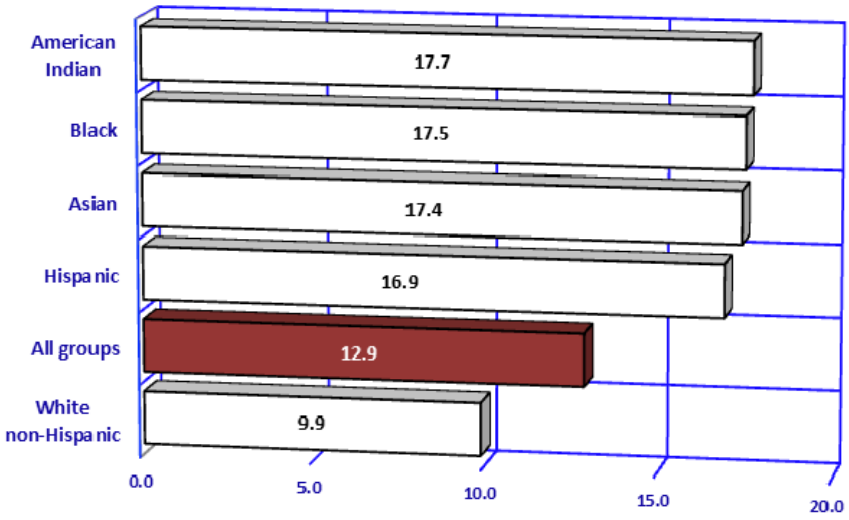
Figure 1B-4
Gross Reproduction Rates[a] by Race/Ethnicity, Arizona, 2013

Another measure used to summarize reproduction patterns is the *gross reproduction rate* (GRR). It represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years. This measure is similar to the total fertility rate except that it measures only female births, since reproduction is largely dependent on the number of females in a given population. In 2013, the gross reproduction rates in Arizona ranged from 853 for White non-Hispanic women to 1,149 for Black women (**Figure 1B-4**, **Table 1B-1**).



Notes: [a] The sum of birth rates by 5-year age groups multiplied by the proportion of births which were female. The gross reproduction rate represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years, and if none of the cohort was to die during their childbearing years.

Figure 1B-5
Birth Rates by Race/Ethnicity, Arizona, 2013



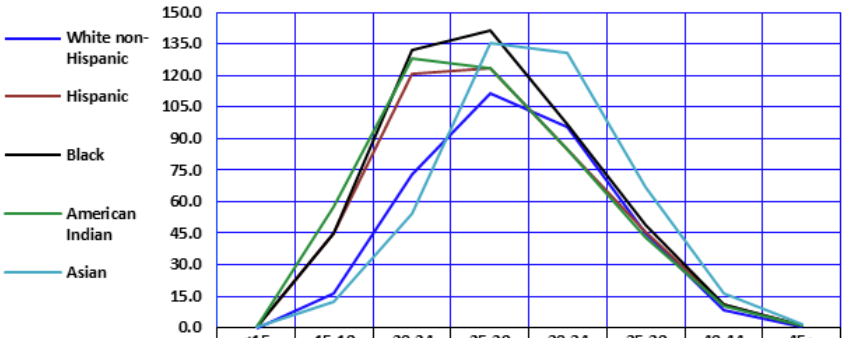
Note: [a] Number of births per 1,000 population in specified group.

The crude birth rate, often simply called the birth rate, relates the number of births to the total population in a specified group. The birth rate is expressed as the total number of births per 1,000 persons, without regard to the age or sex distribution of the population.

The birth rate for Arizona decreased from 13.2/1,000 in both 2011 and 2012 to 12.9/1,000 in 2013.

In 2013 the crude birth rates by mother's race/ethnicity ranged from 9.9 births per 1,000 White non-Hispanics to 17.7 per 1,000 American Indians (**Figure 1B-5**).

Figure 1B-6
Birth Rates[a] by Mother's Age Group and Race/Ethnicity, Arizona, 2013



	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+
White non-Hispanic	0.1	16.4	73.2	111.4	95.5	45.2	8.4	0.7
Hispanic	0.5	44.8	120.9	123.4	85.0	45.3	11.1	0.8
Black	0.6	44.9	132.3	141.4	96.8	49.2	11.0	1.0
American Indian	0.6	57.7	128.0	123.2	85.0	43.2	10.5	1.1
Asian	0.3	12.5	54.6	135.4	131.0	66.6	16.6	1.7

Note: [a] Number of births per 1,000 population in specified group.

The age-specific birth rates (the number of births to mothers in a particular age group per 1,000 women in that age group) differed substantially by race/ethnicity (**Figure 1B-6**).

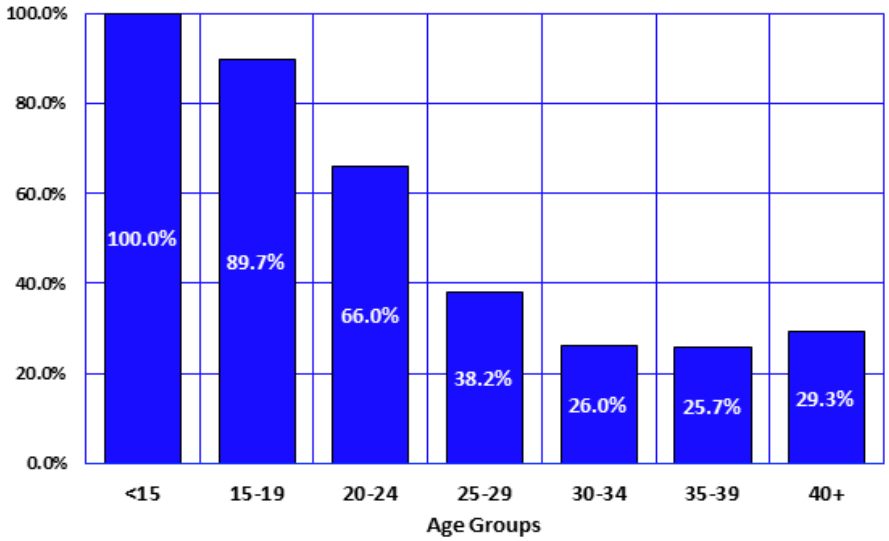
In 2013, Black, American Indian, and Hispanic women had the highest birth rates for women in age groups up to 29 years. The birth rates for women aged 30 years or older were the highest among Asian women. In general, Hispanic, Black, and American Indian women tend to give birth at younger ages than Asian and non-Hispanic White women.

Unmarried mothers have accounted for an increasing annual proportion of births throughout the 1980s and 1990s, with 45.1 percent in 2013 (**Table 1B-2**). In 2013, 38,352 infants were born to unmarried mothers compared to 37,394 in 2003 (**Table 1B-26**).

A decade ago, the proportion of births among unmarried women aged 20-24 years was 54.0 percent. This proportion has continued to rise from 2003 to 2013. In 2013, nearly 7 out of ten (66.0 percent) mothers 20-24 years old were unmarried (**Figure 1B-7**).

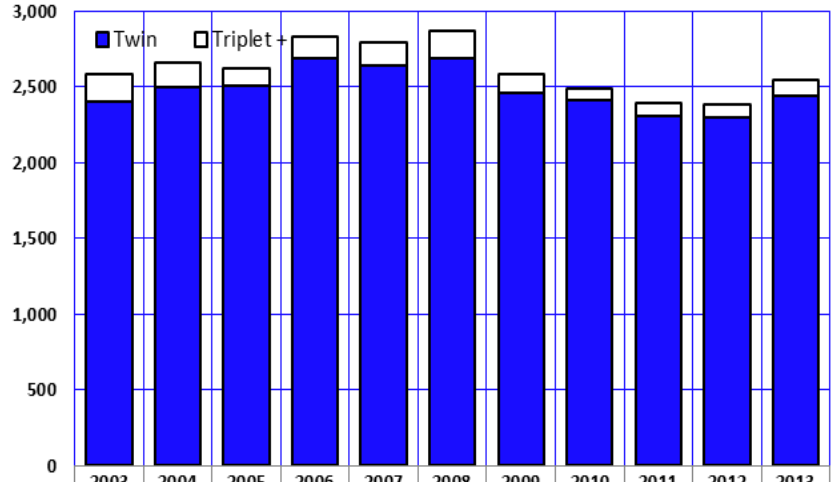
Births and birth ratios by mother's marital status, age group, and race/ethnicity are given in **Table 1B-23**. County-level information is provided in Table **5B-14** and **5B-15**.

Figure 1B-7
Percent Births to Unmarried Mothers by Age Group, Arizona, 2013



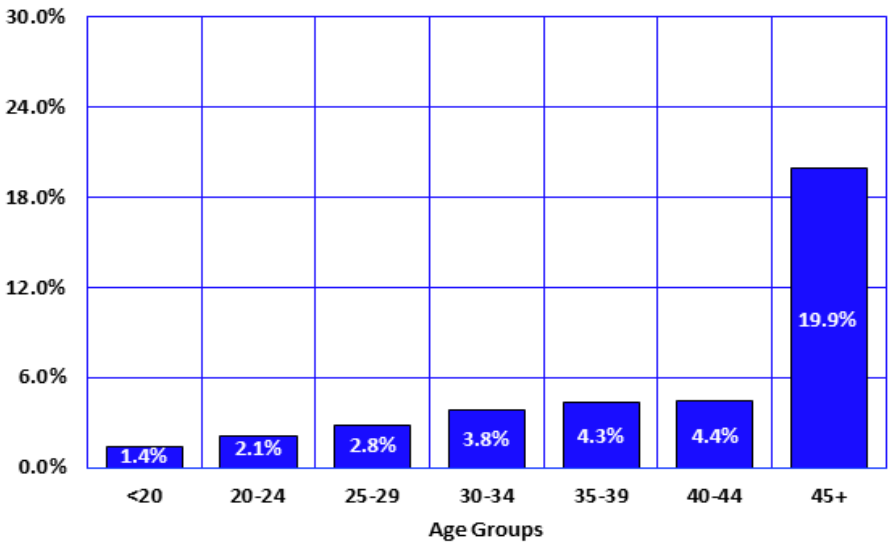
The number of multiple birth events in Arizona declined from 2,868 in 2008, (the highest number ever recorded) to 2,547 in 2013 (**Figure 1B-8**). The number of babies born in twin deliveries decreased from 2,693 in 2008 to 2,445 in 2013 (**Figure 1B-8**). The number of triplet and higher order multiple birth events decreased by 41.7 percent from 175 in 2008 to 102 in 2013.

Figure 1B-8
Number of Births in Twin and Triplet+ Deliveries by Year, Arizona, 2003-2013



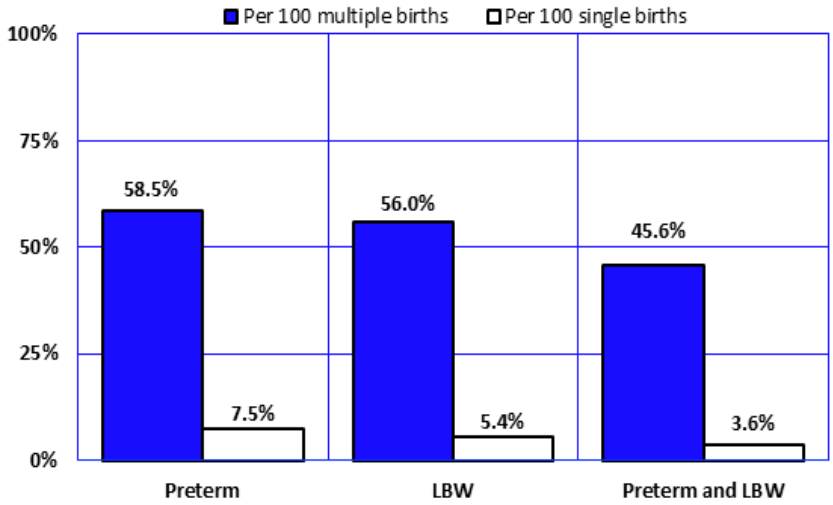
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Triplet+	181	163	116	142	152	175	122	80	85	81	102
Twin	2,400	2,500	2,509	2,688	2,646	2,693	2,460	2,409	2,312	2,301	2,445

Figure 1B-9
Risk for Multiple Births by Mother's Age Group, Arizona, 2013



In 2013, the proportion of multiple births gradually increased with maternal age among mothers below 45 years of age and sharply increased among mothers age 45 years and older. Among women aged 45 years and older, 19.9 percent of all births were twins, triplets, or quadruplets (**Figure 1B-9**). The percent of all births that were multiple births to women age 45 and over decreased from 25 percent in 2010, to 16.8 percent in 2011, and dropped to 6.2 percent in 2012. Continued monitoring of multiple births among older mothers will help better understand the recent variation that has been found in this measure.

Figure 1B-10
Infants Born too Early (Preterm)[a] and Infants Born too Small (LBW)[b] among Multiple and Single Births, Arizona, 2013



Infants born in multiple deliveries tend to be born at shorter gestations and smaller than those born in singleton deliveries (**Figure 1B-10**). In 2013, infants born in multiple deliveries were 12.7 times more likely (45.6 vs. 3.6 percent) to be born earlier than expected (at less than 37 completed weeks of gestation) and smaller (at less than 2,500 grams) than singleton births.

Preterm birth is a leading cause of infant morbidity and mortality, accounting for almost two-thirds of infant deaths (59.0 percent; **Figure 2C-4** in section 2C on Age-Specific Mortality). The weight of the newborn also is an important predictor of future morbidity and mortality. Infants born at low birth weight (< 1,500 grams) account for 47.9 percent of all infant deaths (**Figure 2C-3**).

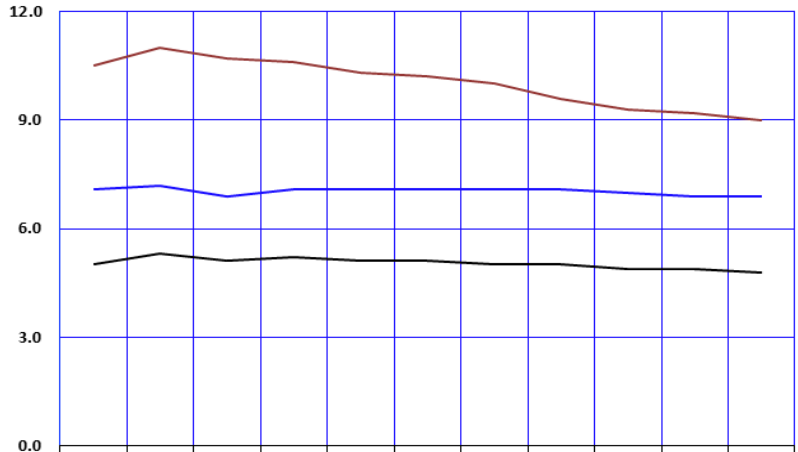
Notes: [a] Preterm is < 37 weeks of gestation; [b] Low birthweight is less than 2,500 grams or 5 pounds 8 ounces.

The proportion of preterm births decreased from 9.2 percent of all births in 2012 to 9.0 percent in 2013.

The proportion of infants born earlier than expected who were also low birth weight (LBW; at less than 2,500 grams) was 4.8/100 births in 2013 (**Figure 1B-11**).

Detailed characteristics of births by birthweight and gestational age are provided in **Table 1B-33.** Comparative data by county of residence are available in **Table 5B-16 – Table 5B-24**.

Figure 1B-11
Preterm[a] and Low Birthweight (LBW)[b] Births by Year, Arizona, 2003-2013



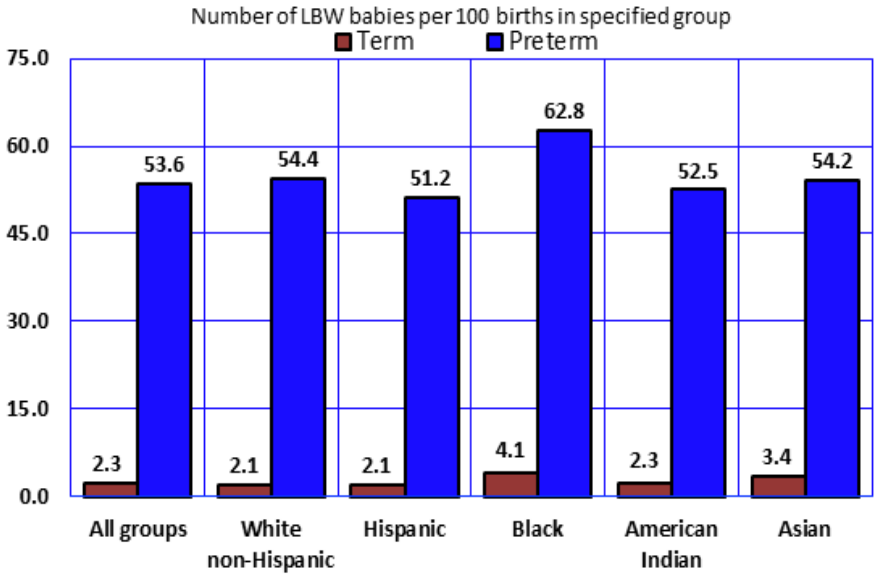
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
LBW	7.1	7.2	6.9	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.9
Preterm	10.5	11.0	10.7	10.6	10.3	10.2	10.0	9.6	9.3	9.2	9.0
Both	5.0	5.3	5.1	5.2	5.1	5.1	5.0	5.0	4.9	4.9	4.8

Notes: [a] Preterm: < 37 weeks of gestation; [b] Low birthweight (less than 2,500 grams or 5 pounds 8 ounces); In this report, the primary measure used to determine the gestational age is the clinical estimate of gestation as reported on the birth certificate.

From 2003 to 2013, between 6.8 and 7.2 percent of all babies were born at low birthweight (LBW), or at less than 2,500 grams (5 pounds 8 ounces). Preterm delivery is the strongest risk factor for LBW. Infants born at less than 37 completed weeks of gestation were 23.3 times (53.6 vs. 2.3 percent) more likely to be LBW than infants born at term (**Figure 1B-12**). Seven out of ten (70.2 percent) LBW babies born in 2013 were preterm (**Table 1B-3**).

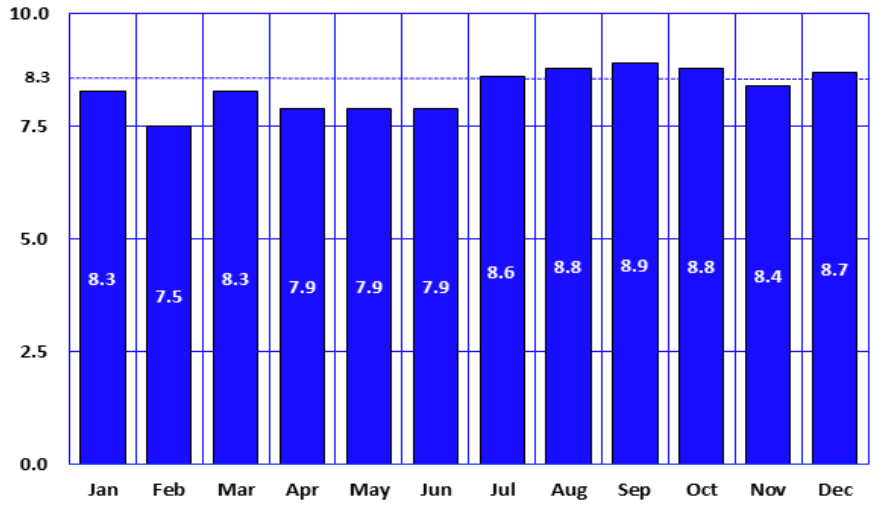
County-level data for LBW newborns are available in **Tables 5B-16 – 5B-23**. Community-level information is in **Table 9A**

Figure 1B-12
Low-Birthweight (LBW) Births by Length of Gestation and Mother's Race/Ethnicity, Arizona, 2013



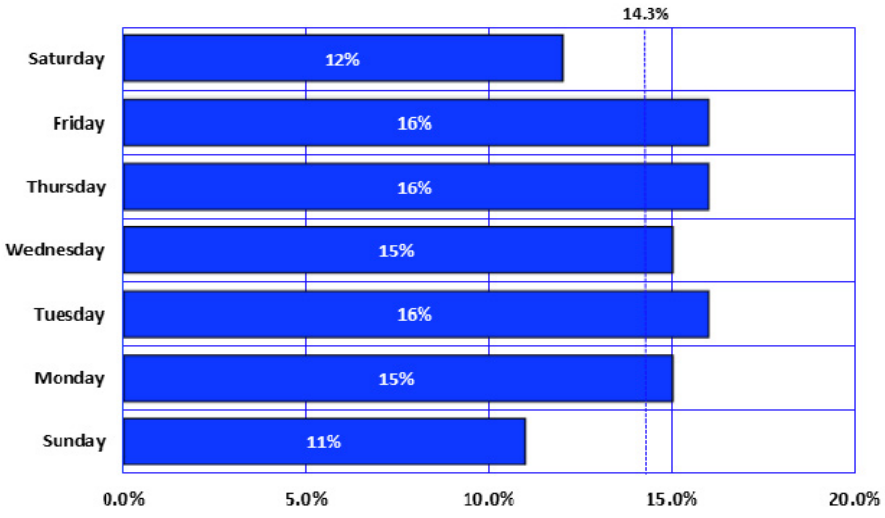
Notes: Number of LBW babies per 100 births in specified group; Preterm: < 37 weeks of gestation; Low birthweight (less than 2,500 grams or 5 pounds 8 ounces).

Figure 1B-13
Percent of Resident Births by Month, Arizona, 2013



Historically, births in Arizona have peaked during August and September, with a monthly average around 8.3 percent. (**Figure 1B-13**).

Figure 1B-14
Percent of Resident Births by Day of the Week, Arizona, 2013

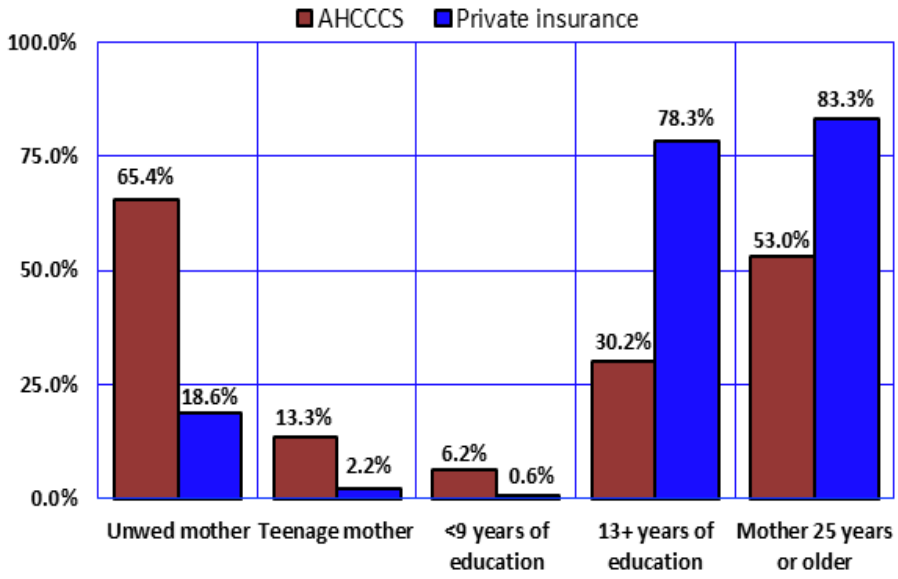


On average 233 infants were born per day in 2013 to Arizona residents. The daily average of resident live births in 2013 was substantially lower on weekends than on weekdays (**Figure 1B-14**). Many studies suggest that weekly, daily, and hourly variations observed in hospitals and clinics are not due to a biological rhythm of labor, but to increased frequency of obstetric interventions in the timing of delivery (induced labors and elective cesarean deliveries), making it more aligned with the work week schedule.

In 2013, only 7.9 percent of repeat cesarean deliveries occurred on Sundays, compared to 16.7 percent on Mondays. The average rate of induction of labor was substantially lower on weekend days (10.9 percent) than it was on week days (15.7 percent).

The number of years of maternal education was the only possible proxy of socioeconomic status (SES) on the birth certificate prior to 1989. Paying party for the delivery became another SES indicator in 1989. The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid Program) versus private health insurance (PHI) compares mothers of lower and higher SES respectively. PHI mothers were 2.6 times more likely to have some college education than were AHCCCS mothers (78.3 and 30.2 percent respectively, **Figure 1B-15**). Around 6 percent of AHCCCS mothers had 0-8 years of education, 10.3 times the proportion of PHI mothers. Only 18.6 percent of mothers with PHI were unmarried compared to 65.4 percent of AHCCCS mothers. Eight out of ten mothers with PHI were at least 25 years old compared to 5 out of 10 AHCCCS mothers.

Figure 1B-15
Comparison of Selected Sociodemographic Characteristics by the Payee for Delivery, Arizona, 2013

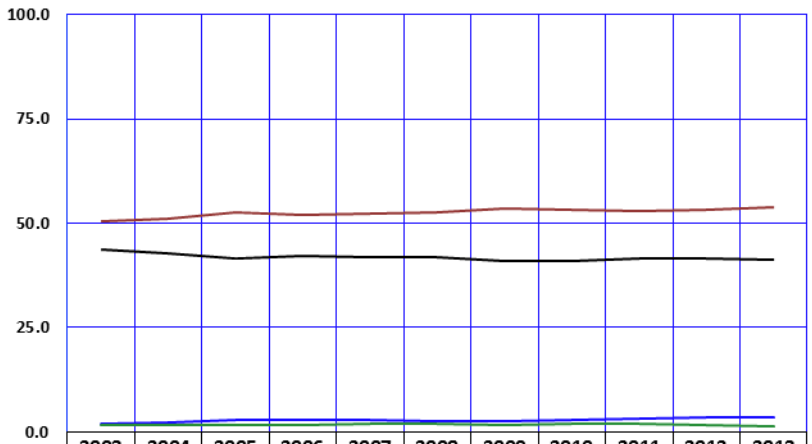


Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

Since 2002, the share of resident births paid for by AHCCCS has exceeded the share paid by private health insurance (**Figure 1B-16**). In 2003, private insurance funded 43.8 percent of births and AHCCCS paid for 50.5 percent of births. Compared to 2003, AHCCCS paid for 3.4 percent more births in 2013 and private insurance paid for 2.6 percent fewer births in 2013.

The share of AHCCCS funded births varied little from 2005 to 2013. The share of private health insurance also remained stable during this time period. In 2013, the payment source was the mothers themselves and/or their families (i.e., self-pay) in 3.5 percent of the deliveries. The Indian Health Service (IHS) paid for 1.3 percent of the births in 2013 (**Table 1B-28**; see also **Table 1B-25**).

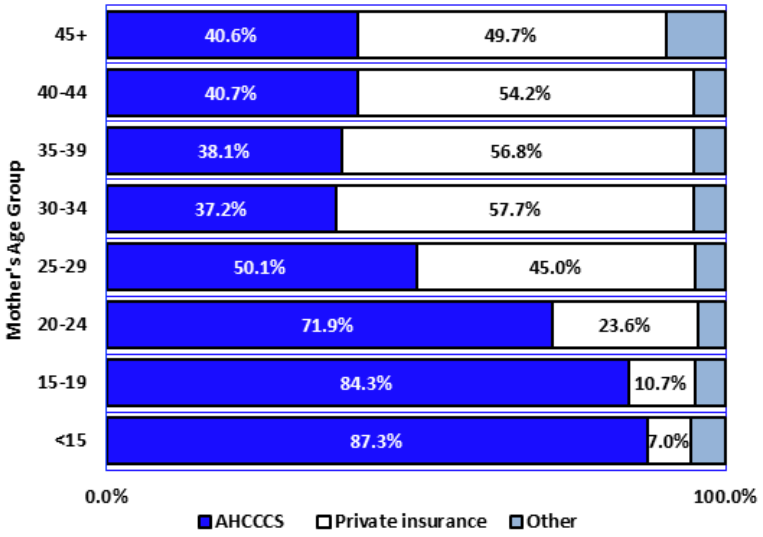
Figure 1B-16
Births by Payer and Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
AHCCCS	50.5	51.2	52.6	52.1	52.2	52.5	53.5	53.3	53.0	53.1	53.9
Private insurance	43.8	42.7	41.6	42.3	42.0	42.0	41.0	41.0	41.5	41.5	41.2
Self-pay	2.1	2.4	2.8	3.0	2.8	2.6	2.7	3.0	3.1	3.4	3.5
IHS	1.7	1.8	1.8	1.8	1.9	1.9	1.8	2.0	2.0	1.7	1.3

Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; IHS is the Indian Health Service.

Figure 1B-17
Payee for Delivery by Mother's Age Group, Arizona, 2013



Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

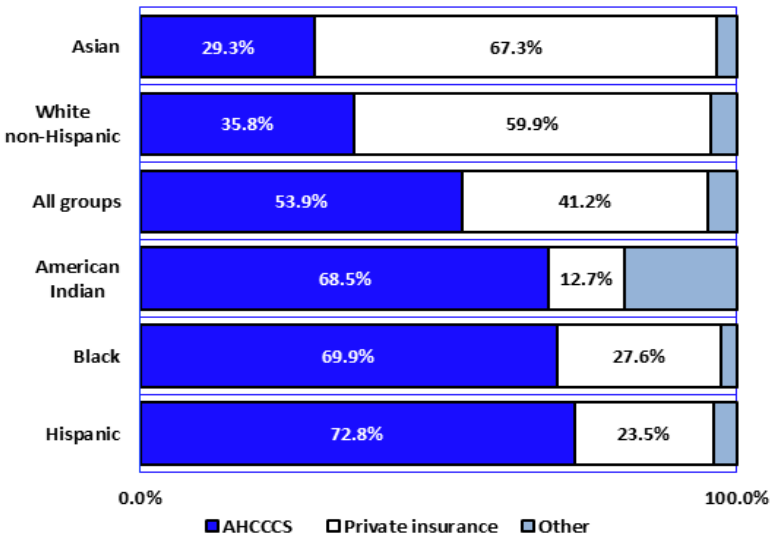
In 2013, the Arizona Health Care Cost Containment System (AHCCCS) paid for the majority of the deliveries to mothers 29 years or younger (**Figure 1B-17**). In contrast, private insurance was the largest payer for the deliveries of women giving birth who were 30 years old or older in 2013 (based on data in **Table 1B-28**).

For each of the age groups the AHCCCS share substantially increased since 1989. Below are the proportions of deliveries paid for by AHCCCS in 1989:

- <15 years: 45.3 percent
- 15-19 years: 49.0 percent
- 20-24 years: 34.3 percent
- 25-29 years: 19.4 percent
- 30-34 years: 14.5 percent
- 35-39 years: 13.9 percent
- 40+ years: 14.2 percent.

From 1989 to 2013, the share of births paid for by AHCCCS more than doubled among mothers 20 years old or older.

Figure 1B-18
Payee for Delivery by Mother's Race/Ethnicity, Arizona, 2013



Notes: The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; Other includes Indian Health Service, self, or unknown.

In 2013, private insurance was the largest payer for deliveries of Asian (at 67.3 percent) and White non-Hispanic infants (at 59.9 percent). In contrast, the Arizona Health Care Cost Containment System was the largest payer for deliveries of Hispanic or Latino (72.8 percent), Black or African American (69.9 percent) and American Indian women (68.5 percent).

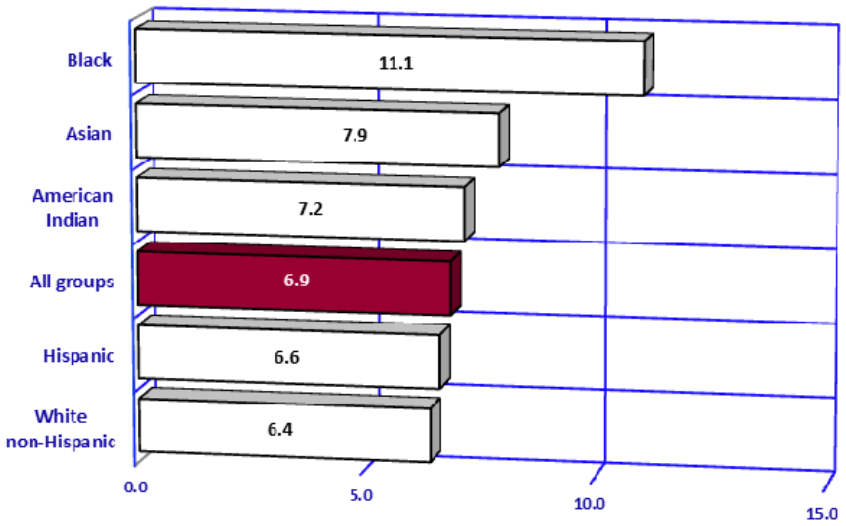
The Indian Health Service as a payer accounted for 17.7 percent of deliveries of American Indian or Alaska Native infants in the State (**Figure 1B-18,** based on data in **Table 1B-28**).

Hispanics or Latinos accounted for 52.5 percent of the 45,792 deliveries paid for by AHCCCS. Thirty percent of all AHCCCS births were to White non-Hispanic women (based on data in **Table 1B-28**).

Figure 1B-19
Percent Low Birthweight[a] by Mother's Race/Ethnicity, Arizona Residents, 2013

In 2013, 6.9 percent of all Arizona infants were born at a low birthweight (LBW), or at less than 2,500 grams (5 pounds 8 ounces).

In Arizona, LBW rates differed by mother's racial/ethnic group. LBW rates were highest for newborns of Black or African American mothers (11.1 percent), Asian or Pacific Islander mothers (7.9 percent), and American Indian mothers (7.2 percent). Newborns of Hispanic or Latino and White non-Hispanic mothers had the lowest LBW rates (6.6 and 6.4 percent respectively; based on data in **Table 1B-26**).



Notes: [a] Low birthweight is less than 2,500 grams (less than 5 pounds 8 ounces).

Figure 1B-20
First Trimester Prenatal Care by Mother's Race/Ethnicity, Arizona Residents, 2013

The percent of Arizona mothers giving birth who received early prenatal care (i.e., in the first trimester) has remained relatively stable from 2008 (79.4 percent) to 2013 (81.3 percent; **Table 1B-2**).

In Arizona, American Indian, Hispanic or Latino, and Black or African American mothers were least likely to begin prenatal care in the first trimester (**Figure 1B-20**). The highest utilization rates of early prenatal care were among White non-Hispanic and Asian or Pacific Islander mothers (based on data in **Table 1B-26**).

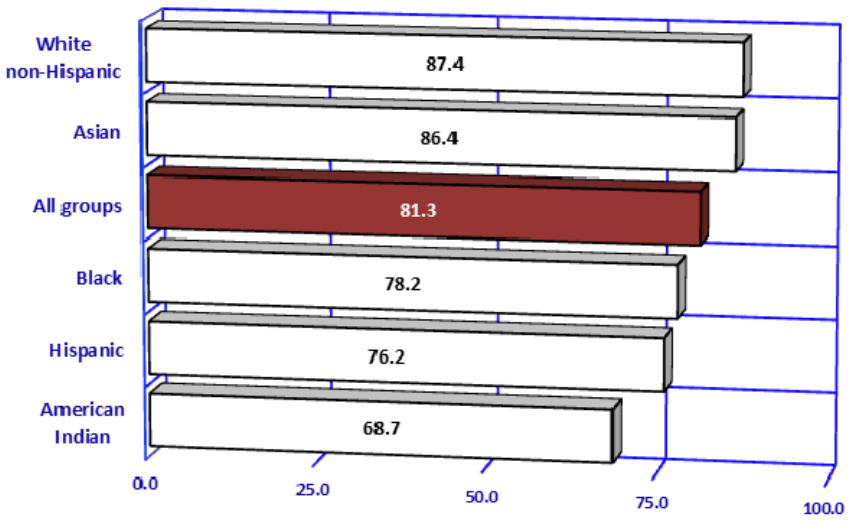
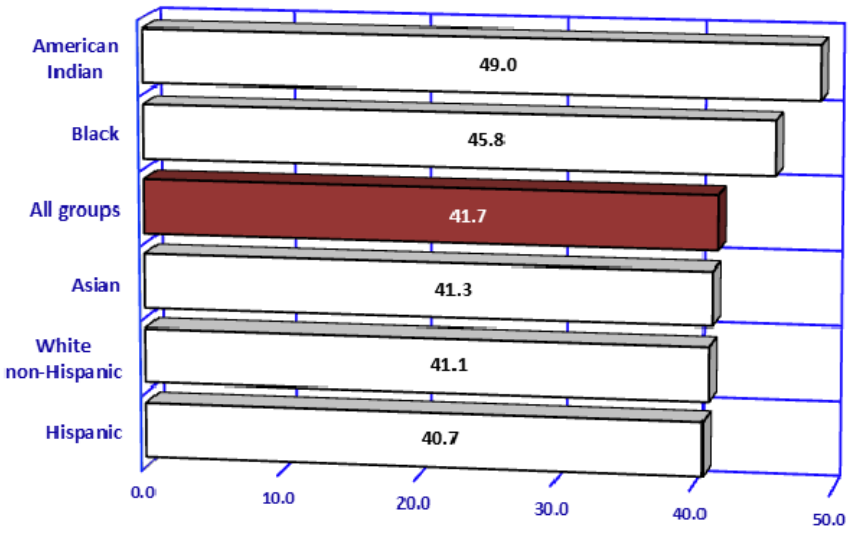


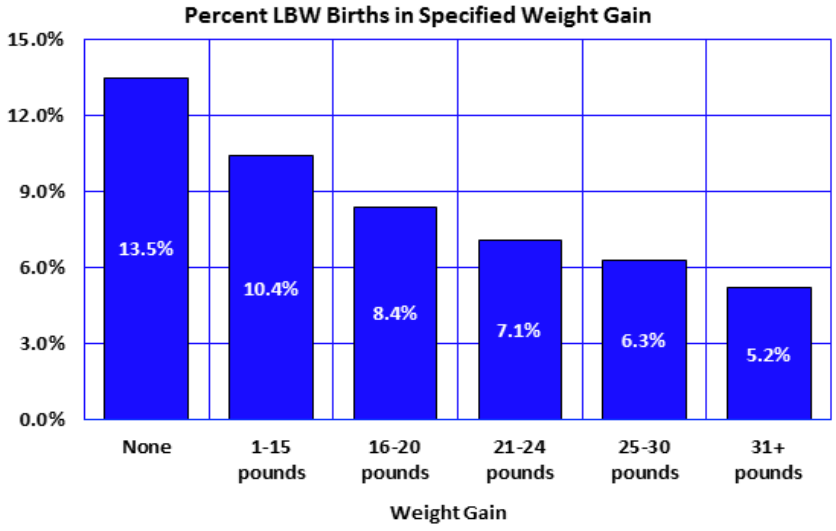
Figure 1B-21
Maternal Medical Risk Factors[a] by Mother's Race/Ethnicity, Arizona, 2013



Notes: [a] Births with medical risk factors reported per 100 births in specified group.

Maternal medical risk factors (such as anemia, diabetes, hypertension, or kidney disease) can contribute to serious pregnancy complications and infant deaths, if not treated properly. In 2013, American Indian or Alaskan Native and Black or African American women giving birth had the highest proportion of medical risk factors (49.0 and 45.8 percent respectively; **Figure 1B-21**).

Figure 1B-22
Risk for Low-Birthweight by Maternal Weight Gain during Pregnancy, Arizona, 2013

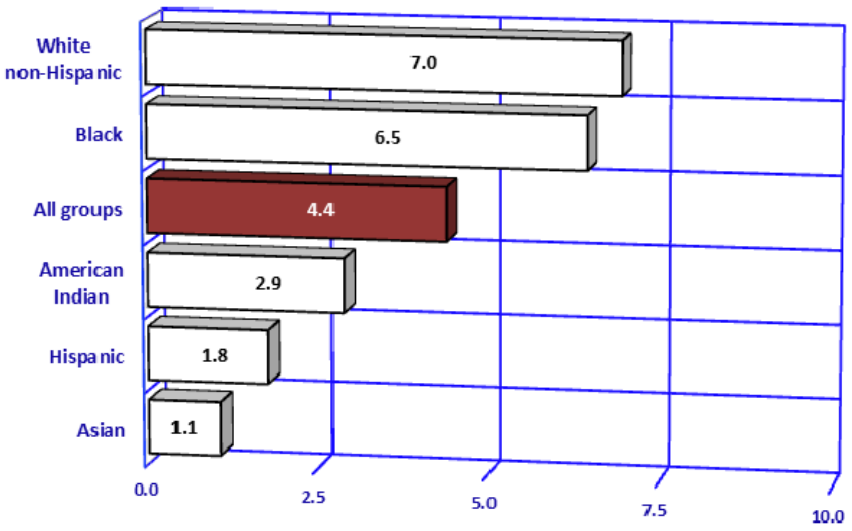


Maternal weight gain during pregnancy is a determinant of both fetal growth and birthweight. Insufficient or excessive weight gain during pregnancy can negatively influence outcomes of both mother and infant (see **Figure 2C-4.3**). Women who are of normal weight (average body mass index or BMI) should gain 21-35 pounds during pregnancy. Women who are underweight should gain more (28-40 pounds), and women who are overweight should gain less (15 to 25 pounds). Unfortunately, it is not possible to determine whether weight gain is within the recommendations for the mother's BMI because the mother's pre-pregnancy weight and height is not reported on the birth certificate.

Maternal weight gain has been shown to be correlated with infant birthweight. In 2013, as in previous years, the percent of infants with low birthweight decreased with increasing maternal weight gain (**Figure 1B-22**).

Cigarette smoking during pregnancy has been associated with reduced infant weight at birth, intrauterine growth retardation, and preterm births. Smoking during pregnancy was reported by 4.4 percent of women giving birth in 2013 (**Table 1B-26**, **Table 5B-30**), compared to 10.5 percent in 1989, when this information was first reported on Arizona birth certificates. It is unclear whether this decline means that women giving birth in Arizona are less likely to use tobacco during pregnancy or, perhaps, less likely to report it if they use. White non-Hispanic and Black mothers continued to be more likely to report smoking than American Indian, Hispanic, and Asian mothers (**Figure 1B-23**).

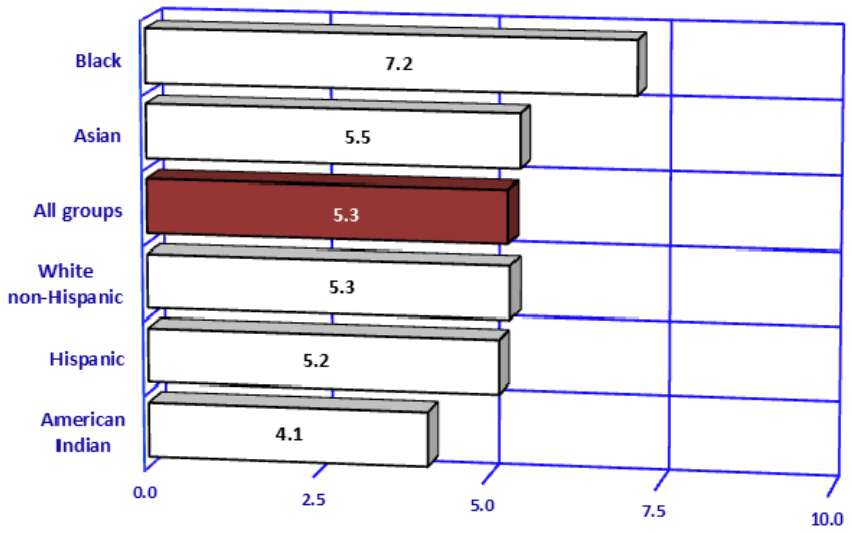
Figure 1B-23
Self-reported Tobacco Use during Pregnancy[a] by Race/Ethnicity, Arizona, 2013



Notes: [a] Mothers giving birth who reported tobacco use per 100 births in specified group.

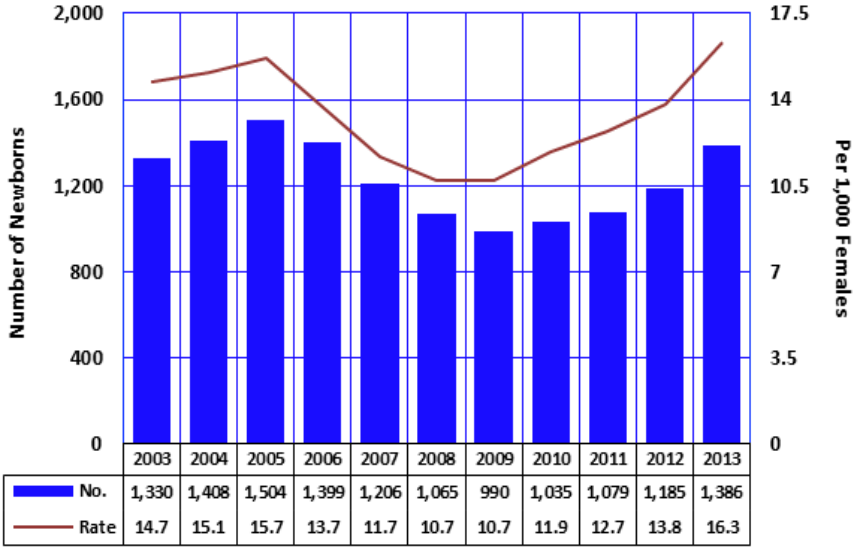
In 2013, 4,515, or 5.3 percent of newborns were admitted to newborn intensive care units (NICUs). Around 49 percent of the NICU admissions were low birthweight (LBW) babies. Prematurity, i.e., gestational age before 37 weeks captured more NICU admissions than did LBW, with 56.7 percent of NICU admissions being premature (based on data in **Table 1B-33**). The proportion of NICU admissions differed among racial/ethnic groups. In 2013, the rate of NICU admissions for Black or African American births was the highest among racial/ethnic groups (7.2 percent; **Table 1B-26**).

Figure 1B-24
Rates of Admission to Newborn Intensive Care Units[a] by Mother's Race/Ethnicity, Arizona, 2013



Notes: [a] The number of newborns admitted to Intensive Care Units per 100 births in specified group.

Figure 1B-25
Newborns Who Were Hospitalized after Birth because They Were Affected by Maternal Use of Drugs during Pregnancy, Arizona, 2003-2013

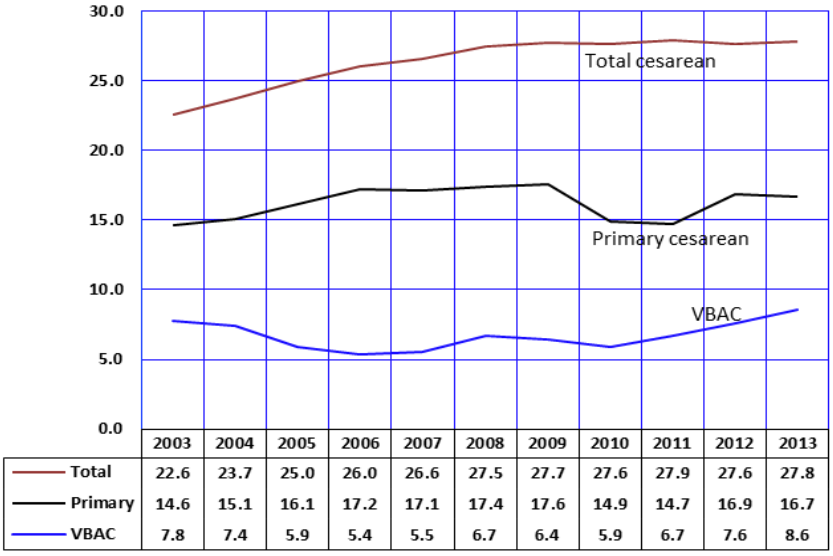


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
No.	1,330	1,408	1,504	1,399	1,206	1,065	990	1,035	1,079	1,185	1,386
Rate	14.7	15.1	15.7	13.7	11.7	10.7	10.7	11.9	12.7	13.8	16.3

Information about maternal drug use during pregnancy is not reported on Arizona birth certificates. However, it can be obtained from the hospital discharge database. There are several diagnostic codes which identify exposure of fetus or newborn to specific noxious substances (such as narcotics, hallucinogenic agents, or cocaine) transmitted via placenta or breast milk. Following the four years of decline between 2005 and 2009 in the number of newborns hospitalized after birth due to maternal drug use during pregnancy, the rate increased from 10.7/1,000 in 2009 to 16.3/1,000 in 2013, representing a 52.3 percent increase.

Notes: [a] Rate is the number of newborns admitted to Intensive Care Units per 100 births in specified group.

Figure 1B-26
Total and Primary Cesarean Deliveries[a] and Vaginal Births after Previous Cesarean (VBAC)[b], Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	22.6	23.7	25.0	26.0	26.6	27.5	27.7	27.6	27.9	27.6	27.8
Primary	14.6	15.1	16.1	17.2	17.1	17.4	17.6	14.9	14.7	16.9	16.7
VBAC	7.8	7.4	5.9	5.4	5.5	6.7	6.4	5.9	6.7	7.6	8.6

In 2013, 27.8 percent of all resident births were cesarean deliveries (**Figure 1B-26**, **Table 1B-2**).

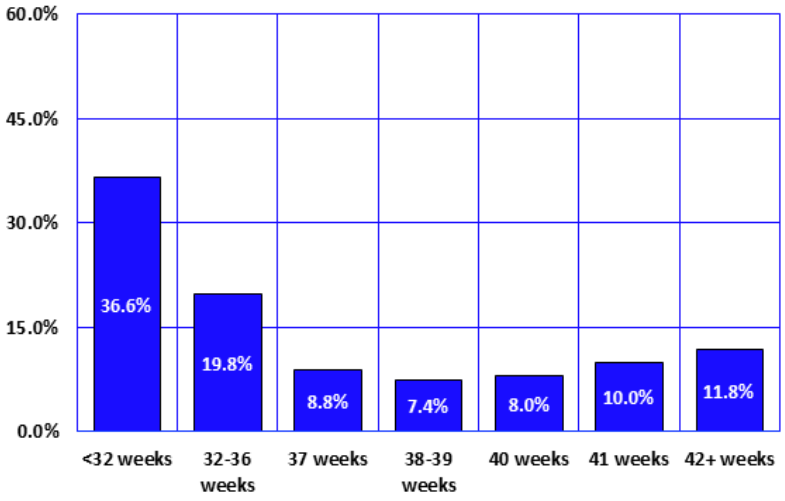
The primary cesarean rate in 2013 (16.7 per 100 live births to women who had no previous cesarean) remained relatively unchanged from 2012 to 2013.

The rate of vaginal birth after previous cesarean delivery (VBAC) in 2013 was 45.8 percent greater than the 2010 rate.

Notes: [a] Primary cesarean rate per 100 births with no previous cesarean; [b] Vaginal birth after cesarean rate per 100 births after previous cesarean.

Since the first year these data were collected, three of the eight specific abnormal conditions listed on the birth certificate have been reported most frequently: *assisted ventilation less than 30 minutes*, *assisted ventilation of 30 minutes or longer*, and *hyaline membrane disease/respiratory distress syndrome (RDS)*. *Hyaline membrane disease/RDS* is a common cause of morbidity in preterm infants. The rates of abnormal conditions are the highest among very preterm (less than 32 weeks of gestation) and moderately preterm (32-36 weeks of gestation; **Figure 1B-27**).

Figure 1B-27
Abnormal Conditions of the Newborn by Gestational Age, Arizona, 2013



Congenital anomalies (birth defects) are the leading cause of infant death in Arizona and nationally. They are also the cause of physical defects and metabolic diseases.

For various anomalies, rates vary widely with maternal age. For example, in 2013 as in prior years, the rate of Down's Syndrome, the most frequently recognized cause of mental retardation, was substantially higher for births to mothers aged 35 years and over (**Figure 1B-28, Table 1B-34**). The incidence rate of 103.2 cases of Down's Syndrome per 100,000 births to women 35 years or older was 4.9 times greater than the incidence rate of 20.9 for women aged 24 years or younger.

Figure 1B-28
The Incidence of Downs Syndrome by Mother's Age Group, Arizona, 2013

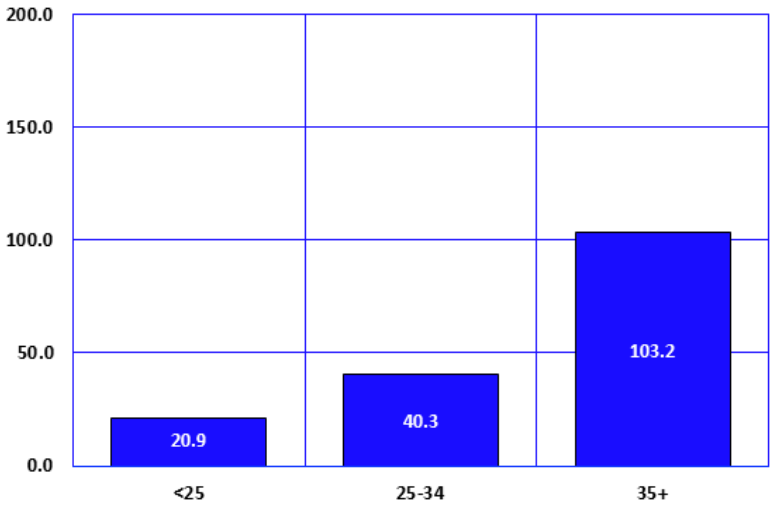


TABLE 1B-1
BIRTH RATE[a], GENERAL FERTILITY RATE[b], TOTAL FERTILITY RATE[c], GROSS REPRODUCTION RATE, AND AGE-SPECIFIC BIRTH RATES[d] BY YEAR, ARIZONA AND UNITED STATES, 2003-2013

Year	Area	Birth rate	General fertility rate	Total fertility rate[e]	Gross reproduction rate	Age specific birth rates:							
						Under 15 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45 years and over
2003	**AZ**	16.1	76.3	2,330	1,141	1.0	59.2	135.7	126.2	95.6	39.0	8.6	0.6
	U.S.	14.1	66.1	2,043	NA	0.6	41.6	102.6	115.6	95.1	43.8	8.7	0.5
2004	**AZ**	16.0	75.7	2,309	1,127	0.9	58.2	131.4	125.7	95.7	40.0	9.2	0.6
	U.S.	14.0	66.4	2,046	NA	0.7	41.1	101.7	115.5	95.3	45.4	9.0	0.6
2005	**AZ**	15.8	74.7	2,278	1,111	0.9	56.5	129.8	125.3	94.5	39.3	8.6	0.6
	U.S.	14.0	66.7	2,054	NA	0.7	40.5	102.2	115.6	95.9	46.3	9.1	0.6
2006	**AZ**	16.4	80.0	2,392	1,167	0.8	59.6	131.8	132.5	95.6	48.5	9.3	0.3
	U.S.	14.2	68.5	2,101	NA	0.6	41.9	105.9	116.8	97.7	47.3	9.4	0.6
2007	**AZ**	16.0	78.9	2,364	1,154	0.8	59.5	132.2	124.7	98.6	46.8	9.5	0.7
	U.S.	14.3	69.5	2,122	NA	0.6	42.5	106.3	117.5	99.9	47.5	9.5	0.6
2008	**AZ**	15.2	74.8	2,236	1,093	0.7	54.9	122.2	119.5	94.2	46.2	9.0	0.6
	U.S.	14.0	68.6	2,084	NA	0.6	41.5	103.0	115.1	99.3	46.9	9.8	0.7
2009	**AZ**	14.0	68.9	2,058	1,006	0.6	49.1	110.4	110.7	88.6	42.5	8.9	0.8
	U.S.	13.5	66.7	2,007	NA	0.5	39.1	96.3	110.5	97.7	46.5	10.1	0.7
2010	**AZ**	13.6	68.9	2,058	1,011	0.5	41.6	104.3	116.1	94.4	44.4	9.7	0.7
	U.S.	13.0	64.1	1,931	NA	0.4	34.2	90.0	108.3	96.5	45.9	10.2	0.7
2011	**AZ**	13.2	67.0	2,001	976	0.5	36.9	101.4	112.3	94.0	44.2	10.3	0.2
	U.S.	12.7	63.2	1,894	NA	0.4	31.3	85.3	107.2	96.5	47.2	10.3	0.7
2012	**AZ**	13.2	67.2	2,018	984	0.3	35.4	100.1	116.4	94.6	459.0	10.3	0.6
	U.S.	12.6	63.0	1,881	NA	0.4	29.4	83.1	106.5	97.3	48.3	10.4	0.7
2013	**AZ**	12.9	66.0	1,981	963	0.3	31.3	96.7	118.4	93.0	46.4	9.8	0.1
	U.S.	12.5	62.9	1,870	NA	0.3	26.6	81.2	106.2	98.7	49.6	10.5	0.8

Notes: [a] The number of births per 1,000 population.

[b] The number of births per 1,000 women of childbearing age (15-44 years old).

[c] The total fertility rate (TFR) is the sum of age group specific birth rates multiplied by the number of years in the age group (five years in this case) and can be interpreted as the average number of children a group of 50 women are expected to have between the ages of 15 and 50 if they were to survive until age 50. At the individual level, the 2013 TFR of 1,981 indicates that a women can expect to have around 2 children between the ages of 15 and 50, assuming they experience the same age-specific birth rates as were observed in 2013.

[d] The sums of birth rates by 5-year age groups multiplied by the proportion of births that were female. The gross reproduction rate represents the average number of daughters born to a hypothetical cohort of 1,000 women if they experienced the age-specific birth rates observed in a given year throughout their childbearing years, and if none of the cohort was to die during her childbearing years. See Table 1B-2 for the annual proportions of births that were female in 2003-2013.

[e] The number of births per 1,000 women in specified age group. For females under 15, the rate is calculated using the female population 10-14 years of age. For women over 44, the rate is calculated using the female population 45-49 years of age.

TABLE 1B-2
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(ALL RACE/ETHNIC GROUPS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963
Age of mother											
≤19 years	12.9	12.7	12.5	12.7	12.6	12.3	11.8	10.8	9.9	9.5	8.5
≥30 years	31.6	32.3	32.2	31.6	32.3	33.1	33.8	35.0	36.1	36.7	37.2
Marital status											
Unmarried	41.2	41.9	42.8	43.9	45.0	45.1	45.2	44.7	44.3	45.2	45.1
Mother's education											
<9 years	9.4	9.3	8.7	8.2	7.8	6.9	6.1	5.3	4.6	4.3	3.8
Mother's race/ethnicity											
White[a]	42.8	42.0	41.4	42.2	41.1	42.3	43.0	44.5	45.0	45.1	45.0
Hispanic	43.1	43.7	44.0	44.0	44.5	43.0	41.4	39.4	38.0	38.7	38.9
Black	3.3	3.4	3.6	3.8	4.1	4.3	4.7	5.0	5.1	5.5	5.6
American Indian	6.5	6.6	6.6	6.2	6.2	6.4	6.7	6.7	6.8	6.5	6.4
Asian or Pacific Islander	4.4	4.2	4.4	3.9	4.0	4.1	4.2	4.4	5.0	4.2	4.1
Prenatal care begin											
1st Trimester	75.6	76.3	77.7	77.7	77.6	79.4	80.3	81.9	81.7	82.6	81.3
3rd Trimester	4.3	4.4	3.8	3.7	3.7	3.6	3.4	3.2	3.1	3.2	3.6
No Care	2.9	2.8	2.3	2.4	2.2	1.8	1.8	1.6	1.6	1.2	1.4
Prenatal visits											
1-4	4.3	4.6	4.2	4.0	3.9	3.6	3.5	3.3	3.4	3.6	3.8
≥5	90.2	91.7	93.3	93.5	93.9	94.5	94.5	94.9	94.5	94.9	94.7
≥9	74.6	75.5	76.6	76.4	76.7	77.8	78.9	80.5	80.6	81.3	81.2
≥13	29.8	27.6	25.9	27.5	29.4	29.9	30.0	31.6	33.7	34.6	34.8
Medical risk/ Complications[b]	44.2	44.6	44.7	44.3	45.3	46.5	48.1	49.7	46.3	52.4	55.5
Gestational age[c]											
Preterm (<37 weeks)	10.5	11.0	10.7	10.6	10.3	10.2	10.0	9.6	9.3	9.2	9.0
Birth weight											
<2,500 grams	7.1	7.2	6.9	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.9
<1,500 grams	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.1
Child's sex											
Male	51.0	51.2	51.2	51.2	51.2	51.1	51.1	50.9	51.2	51.2	51.4
Female	49.0	48.8	48.8	48.8	48.8	48.9	48.9	49.1	48.8	48.8	48.6
Plurality											
Multiple births	2.8	2.9	2.7	2.8	2.7	2.9	2.8	2.9	2.8	2.8	3.0
Caesarean delivery	22.6	23.7	25.0	26.0	26.6	27.5	27.7	27.6	27.9	27.6	27.8
Place of delivery											
Hospital[d]	98.8	98.8	98.9	98.9	99.0	99.0	98.8	98.8	98.5	98.6	98.7
Attendant at birth											
Midwife[e]	6.5	6.7	6.1	5.6	5.7	6.1	6.5	6.6	6.4	7.2	7.4
Previous live births											
1 or more	62.2	62.9	63.0	62.5	63.1	63.3	63.1	63.0	62.6	62.7	63.6

Notes: [a] Non-Hispanic.
[b] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[c] Physician's estimate.
[d] Hospital, clinic, medical center or maternity home.
[e] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-3
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(ALL RACE/ETHNIC GROUPS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	6,427	6,704	6,640	7,266	7,285	7,026	6,573	6,155	5,949	5,946	5,849
Age of mother											
≤19 years	14.9	14.3	14.2	14.5	14.2	13.2	13.1	12.3	11.6	10.7	8.9
≥30 years	34.7	34.3	33.5	34.3	34.7	35.8	37.4	37.8	37.9	39.4	37.9
Marital status											
Unmarried	45.7	46.5	48.3	48.3	49.2	48.6	48.5	49.4	50.0	51.4	51.3
Mother's education											
<9 years	9.5	8.7	8.3	7.8	7.7	6.3	5.7	4.7	4.5	4.5	4.2
Mother's race/ethnicity											
White[a]	41.6	42.3	41.1	39.8	40.9	41.0	41.5	41.9	43.5	42.1	42.0
Hispanic	41.8	41.2	40.8	42.3	41.5	40.8	38.7	38.1	34.9	37.9	37.6
Black	5.5	5.6	6.6	6.7	7.3	7.2	8.5	8.0	9.2	9.3	8.9
American Indian	6.3	6.6	6.9	6.5	5.8	6.1	6.0	6.6	6.8	6.3	6.7
Asian or Pacific Islander	4.8	4.4	4.7	4.7	4.5	5.0	5.2	5.4	5.7	4.4	4.7
Prenatal care began											
1st Trimester	73.8	75.4	77.4	77.2	77.4	79.5	80.6	81.0	81.2	80.0	78.9
3rd Trimester	3.5	2.9	2.7	2.8	3.1	2.9	2.6	2.7	2.3	2.7	3.4
No Care	5.1	4.5	4.7	4.9	4.5	3.8	3.6	3.2	3.2	2.9	2.9
Prenatal visits											
1-4	8.0	9.3	9.4	8.5	8.2	7.7	7.6	7.5	7.3	8.6	8.2
≥5	82.9	84.7	85.6	86.3	87.1	88.2	88.3	88.8	88.5	87.9	88.5
≥9	58.7	59.8	60.3	60.1	61.2	63.0	64.1	65.2	65.0	65.5	66.4
≥13	26.5	23.9	22.1	21.9	25.1	25.6	25.7	27.1	28.5	26.7	27.7
Medical risks/ Complications[b]	64.0	63.8	67.2	65.1	65.9	68.7	70.5	73.3	69.2	73.2	72.5
Gestational age[c]											
Preterm (<37 weeks)	70.9	73.3	73.7	72.7	72.3	71.7	71.2	70.2	70.1	71.2	70.2
Birth weight											
<1,500 grams	15.9	16.4	16.9	16.9	16.8	16.5	16.7	15.3	16.8	16.6	15.8
<1,000 grams	7.9	7.9	8.7	7.7	8.1	7.7	8.0	7.1	8.3	8.1	7.4
Child's sex											
Male	48.6	48.0	47.1	47.5	47.9	48.1	47.8	46.5	46.8	48.7	49.3
Female	51.4	52.0	52.9	52.5	52.1	51.9	52.2	53.5	53.2	51.3	50.7
Plurality											
Multiple births	23.4	23.7	22.2	22.5	23.1	23.3	22.1	23.1	22.8	23.0	24.4
Caesarean delivery	41.2	40.8	42.5	43.2	44.2	46.7	46.4	46.5	46.8	47.7	47.6
Place of delivery											
Hospital[d]	99.6	99.6	99.6	99.7	99.6	99.7	99.8	99.6	99.4	99.7	99.7
Attendant at birth											
Midwife[e]	2.8	3.1	2.5	1.9	2.5	2.6	2.3	2.6	2.3	2.5	2.7
Previous live births											
1 or more	58.7	58.1	58.3	59.6	60.5	60.5	59.7	60.3	59.6	61.4	60.5

Notes: [a] Non-Hispanic.
[b] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[c] Physician's estimate.
[d] Hospital, clinic, medical center or maternity home.
[e] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-4
ALL LIVE BIRTHS AND LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE, DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013 (URBAN REGIONS)[a]

Characteristic		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births		77,905	79,951	82,141	87,910	88,266	85,263	79,046	74,624	73,040	74,128	73,493
Age of mother	≤19 years	12.4	12.2	12.0	12.3	12.1	11.7	11.2	10.3	9.4	9.0	8.2
	≥30 years	32.2	33.1	32.9	32.5	33.3	34.1	35.1	36.2	37.4	37.9	38.4
Marital status	Unmarried	40.4	41.1	41.9	43.0	44.3	44.1	44.2	43.6	43.2	44.1	44.1
Mother's education	<9 years	10.1	9.9	9.3	8.8	8.3	7.4	6.5	5.6	4.9	4.7	4.0
Mother's race/ethnicity	White[b]	42.3	41.4	40.8	41.5	40.2	41.5	42.1	44.1	45.0	44.6	44.3
	Hispanic	46.0	46.7	46.9	46.7	47.5	45.8	44.4	42.0	40.5	40.9	41.3
	Black	3.7	3.8	4.0	4.2	4.5	4.8	5.3	5.6	5.7	6.1	6.2
	American Indian	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7	3.7
	Asian or Pacific Islander	4.6	4.6	4.8	4.1	4.3	4.3	4.6	4.7	5.0	4.7	4.5
Prenatal care began	1st Trimester	76.5	77.1	78.4	78.4	78.2	80.4	81.5	83.1	82.5	83.4	82.1
	3rd Trimester	4.2	4.3	3.6	3.5	3.5	3.3	3.0	2.9	2.9	3.1	3.5
	No care	3.1	2.9	2.4	2.4	2.2	1.7	1.9	1.6	1.6	1.2	1.3
Prenatal visits	1-4	3.9	4.3	3.9	3.7	3.5	3.1	3.0	2.9	3.0	3.2	3.5
	≥5	90.5	92.0	93.7	93.7	94.2	95.1	94.9	95.4	94.8	95.3	95.1
	≥9	76.0	76.6	77.4	77.2	77.5	79.1	80.1	81.9	81.8	82.4	82.3
	≥13	30.5	27.7	25.5	27.5	29.6	30.1	30.6	32.1	34.1	35.1	35.3
Medical risks/complications[c]		42.2	42.6	42.4	42.8	44.4	46.3	48.6	50.1	47.2	52.5	56.1
Gestational age[d]	Preterm (<37 weeks)	10.6	11.0	10.8	10.7	10.3	10.2	10.1	9.7	9.4	9.2	9.1
Birth weight	<2,500 grams	7.0	7.1	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8
	<1,500 grams	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.1
Child's sex	Male	51.1	51.1	51.1	51.2	51.3	51.0	51.3	50.8	51.2	51.2	51.4
	Female	48.9	48.9	48.9	48.8	48.7	49.0	48.7	49.2	48.8	48.8	48.6
Plurality	Multiple births	2.9	3.0	2.8	2.8	2.8	3.0	2.8	3.0	2.9	2.9	3.1
Caesarean delivery		22.8	23.8	25.4	26.0	26.8	27.8	28.1	28.0	28.3	27.9	28.1
Place of delivery	Hospital[e]	99.1	99.1	99.2	99.2	99.3	99.3	99.1	99.0	98.8	98.7	98.7
Attendant at birth	Midwife[f]	5.5	5.7	5.0	4.5	4.6	5.1	5.5	5.4	5.2	6.3	6.3
Previous live births	1 or more	61.9	62.7	62.9	62.3	62.9	63.1	62.9	62.8	62.4	62.6	63.4
Number of LBW births		5,479	5,666	5,630	6,175	6,205	5,974	5,548	5,238	5,065	5,096	5013
Age of mother	≤19 years	14.9	13.6	13.7	14.3	13.7	12.6	12.7	12.1	10.9	10.2	8.8
	≥30 years	34.9	35.5	33.9	35.3	35.9	37.0	38.5	38.8	39.3	40.4	39.3
Marital status	Unmarried	45.0	45.5	47.2	47.2	48.6	47.4	48.1	48.4	49.0	50.1	50.8
Mother's education	<9 years	10.1	9.2	8.9	8.2	8.2	6.7	5.8	5.2	4.9	4.7	4.3
Mother's race/ethnicity	White[b]	40.9	42.0	40.5	39.1	39.6	39.8	40.5	41.1	42.8	41.1	40.9
	Hispanic	44.6	43.6	43.7	44.6	44.2	43.6	40.9	40.5	37.2	40.2	39.8
	Black	6.1	6.3	7.4	7.6	8.3	8.0	9.8	9.1	10.3	10.4	10.2
	American Indian	3.2	3.3	3.5	3.8	3.1	3.2	3.0	3.5	3.4	3.3	4.0
	Asian or Pacific Islander	5.2	4.9	4.9	4.9	4.8	5.5	5.7	5.7	6.3	4.9	5.1
Prenatal care began	1st Trimester	74.7	75.9	78.0	78.1	77.6	80.2	81.3	82.1	81.9	80.5	79.8
	3rd Trimester	3.4	2.9	2.4	2.6	2.9	2.6	2.2	2.4	2.0	2.6	3.3
	No care	5.4	4.7	4.7	4.9	4.5	3.9	3.8	3.0	3.0	2.8	2.7
Prenatal visits	1-4	7.7	9.1	9.3	8.4	8.1	7.3	7.2	7.1	7.0	7.8	7.8
	≥5	83.1	84.8	85.8	86.5	87.3	88.6	88.7	89.5	88.8	88.9	89.1
	≥9	59.3	60.5	60.9	60.6	61.7	63.7	65.0	66.6	65.8	66.5	67.7
	≥13	27.0	24.6	22.1	22.4	25.6	25.7	26.3	28.1	29.1	27.3	28.4
Medical risks/complications[c]		62.8	62.7	65.7	64.4	66.0	69.6	71.8	74.6	70.8	74.2	73.7
Gestational age[d]	Preterm (<37 weeks)	71.8	74.1	75.0	73.5	72.9	72.7	72.2	70.6	71.2	71.3	70.8
Birth weight	<1,500 grams	16.1	16.6	17.2	17.1	17.1	16.8	17.2	15.3	17.4	16.9	15.9
	<1,000 grams	8.0	8.1	9.0	8.0	8.3	8.0	8.3	7.3	8.7	8.4	7.6
Child's sex	Male	48.3	47.7	46.8	47.1	48.2	47.9	48.0	45.9	47.0	48.6	49.2
	Female	51.7	52.2	53.2	52.9	51.8	52.1	52.0	54.1	53.0	51.4	50.8
Plurality	Multiple births	24.4	25.3	22.9	23.2	24.4	23.9	22.8	24.0	23.3	23.9	25.2
Caesarean delivery		41.7	41.1	43.1	43.4	45.1	47.4	47.2	47.0	47.7	48.7	48.0
Place of delivery	Hospital[e]	99.7	99.7	99.7	99.8	99.7	99.8	99.8	99.7	99.5	99.8	99.8
Attendant at birth	Midwife[f]	2.2	2.4	1.8	1.4	1.9	2.2	1.9	2.1	1.6	2.0	2.2
Previous live births	1 or more	58.6	58.4	58.1	58.9	60.1	59.8	59.7	59.3	59.2	61.2	60.0

Notes: [a] Urban = Maricopa, Pima, Pinal, and Yuma counties. The remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information.

[b] Non-Hispanic.

[c] Reported medical risks for this pregnancy and/or complications of labor and delivery.

[d] Physician's estimate.

[e] Hospital, clinic, medical center or maternity home.

[f] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-5
ALL LIVE BIRTHS AND LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013 (RURAL REGIONS)[a]

Characteristic		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births		12,848	13,409	13,603	14,083	14,413	13,952	13,570	12,429	12,150	11,597	11,470
Age of mother	≤19 years	15.7	15.5	15.5	14.9	15.8	15.4	15.4	13.9	12.7	12.2	10.6
	≥30 years	27.9	27.3	27.9	26.6	26.2	26.8	26.7	27.9	28.2	29.3	29.4
Marital status	Unmarried	46.0	46.8	48.4	49.2	49.4	51.1	50.7	51.2	51.0	52.4	52.0
Mother's education	<9 years	5.2	5.6	5.4	4.9	4.5	4.0	4.0	3.1	2.5	2.2	2.4
Mother's race/ethnicity	White[b]	45.8	45.7	45.0	46.5	46.6	46.7	48.1	47.2	47.9	48.7	49.1
	Hispanic	25.5	26.1	26.3	26.7	26.6	25.7	24.3	24.4	23.0	24.1	24.0
	Black	1.2	1.1	1.0	1.1	1.1	1.3	1.2	1.2	1.4	1.5	1.3
	American Indian	25.0	25.2	25.4	23.5	23.2	24.4	24.4	25.0	25.7	24.2	24.0
	Asian or Pacific Islander	2.6	1.9	2.2	2.2	2.6	2.0	2.1	2.2	2.0	1.5	1.7
Prenatal care began	1st Trimester	70.0	71.4	73.9	73.5	73.7	72.7	73.3	74.8	77.1	77.7	76.3
	3rd Trimester	4.9	4.8	4.7	4.9	4.8	5.2	5.5	5.3	4.1	4.3	4.1
	No care	1.7	2.1	2.1	1.9	1.9	1.9	1.5	1.8	1.5	1.5	2.2
Prenatal visits	1-4	6.8	6.5	6.1	6.2	6.0	6.8	6.1	5.9	5.7	5.7	5.6
	≥5	88.0	90.1	91.5	91.7	91.9	91.1	92.0	91.8	92.3	92.4	92.0
	≥9	66.6	68.9	72.4	71.1	71.4	69.7	71.5	71.9	73.3	73.9	73.8
	≥13	25.5	26.7	28.0	27.6	27.9	28.8	26.5	28.7	31.2	31.0	31.7
Medical risks/complications[c]		56.3	56.6	58.3	53.5	50.7	48.2	45.1	47.9	41.1	52.0	51.8
Gestational age[d]	Preterm (<37 weeks)	10.0	10.9	10.0	10.0	10.0	9.7	9.7	9.4	8.8	9.1	8.7
Birth weight	<2,500 grams	7.3	7.7	7.4	7.7	7.5	7.5	7.6	7.4	7.3	7.3	7.3
	<1,500 grams	0.8	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Child's sex	Male	50.6	51.5	51.7	51.0	50.0	51.3	50.3	51.4	51.3	51.2	51.3
	Female	49.4	48.5	48.3	49.0	50.0	48.7	49.7	48.6	48.7	48.8	48.7
Plurality	Multiple births	2.3	2.0	2.3	2.4	2.2	2.4	2.5	2.3	2.6	2.2	2.4
Caesarean delivery		21.4	22.9	23.1	25.8	25.3	26.0	25.4	25.2	25.8	25.7	25.8
Place of delivery	Hospital[e]	97.2	96.8	96.9	97.2	97.3	97.1	96.9	97.2	97.0	98.0	98.2
Attendant at birth	Midwife[f]	12.4	12.6	12.9	12.4	12.5	12.7	12.6	13.4	14.0	13.4	14.2
Previous live births	1 or more	64.3	64.4	64.1	64.3	64.5	64.4	64.3	64.3	63.8	63.3	64.8
Number of LBW births		940	1,030	1,003	1,080	1,080	1,052	1,025	917	884	850	836
Age of mother	≤19 years	17.8	17.8	17.5	16.0	17.2	16.4	15.1	13.1	15.5	13.9	9.7
	≥30 years	33.9	27.6	31.5	28.8	28.1	29.4	31.1	31.7	30.1	32.8	29.9
Marital status	Unmarried	50.3	52.1	54.0	54.9	53.1	55.2	50.6	55.2	55.7	59.1	54.2
Mother's education	<9 years	6.4	6.2	5.4	5.4	4.8	3.9	4.9	2.3	2.3	3.1	3.0
Mother's race/ethnicity	White[b]	45.6	43.8	44.8	43.5	48.0	47.6	46.8	46.6	47.3	48.1	49.2
	Hispanic	26.0	28.2	24.7	29.5	25.8	24.9	26.9	24.1	21.6	24.2	24.4
	Black	2.0	1.7	1.8	1.8	1.8	2.6	1.3	1.4	2.6	2.2	1.4
	American Indian	23.8	24.5	26.2	21.9	21.4	22.7	22.2	24.1	26.2	24.0	22.8
	Asian or Pacific Islander	2.6	1.9	2.5	3.3	3.1	2.2	2.8	3.8	2.3	1.4	2.2
Prenatal care began	1st Trimester	68.7	72.5	74.1	72.0	76.0	75.7	76.7	74.3	77.3	76.5	74.0
	3rd Trimester	3.9	2.4	4.7	4.3	4.2	4.1	4.4	4.0	3.5	3.4	4.2
	No care	3.8	3.5	4.4	5.2	4.5	3.5	2.6	4.4	4.0	3.8	4.1
Prenatal visits	1-4	10.0	10.6	9.9	9.4	9.4	10.2	9.8	9.5	8.7	13.1	10.3
	≥5	81.6	83.7	85.0	84.9	85.9	85.8	86.4	85.1	86.2	82.0	84.7
	≥9	55.3	55.9	57.3	56.8	58.1	59.0	59.2	57.4	60.4	59.2	58.9
	≥13	23.6	20.1	22.1	19.3	22.0	24.9	22.6	21.3	25.2	22.9	23.3
Medical risks/complications[c]		71.1	69.3	75.3	69.2	65.1	63.9	63.6	66.1	60.2	67.4	65.4
Gestational age[d]	Preterm (<37 weeks)	65.0	69.5	66.1	68.0	68.9	65.9	65.7	67.8	64.0	70.5	66.6
Birth weight	<1,500 grams	14.7	15.2	14.8	15.7	15.3	14.5	14.4	15.3	13.5	14.5	15.7
	<1,000 grams	6.5	6.7	7.1	6.2	7.1	5.7	5.9	6.3	6.0	6.2	6.3
Child's sex	Male	49.8	49.2	48.5	49.8	46.1	49.1	47.0	50.2	45.9	49.2	50.0
	Female	50.1	50.8	51.5	50.2	53.9	50.8	53.0	49.8	54.1	50.8	50.0
Plurality	Multiple births	17.8	15.0	17.8	18.2	15.9	19.8	18.4	17.9	20.5	17.9	19.5
Caesarean delivery		38.2	39.0	38.6	41.6	39.2	42.7	42.0	43.2	41.4	41.8	45.5
Place of delivery	Hospital[e]	99.1	99.1	98.8	99.4	99.3	99.1	99.4	99.2	98.5	98.9	99.2
Attendant at birth	Midwife[f]	6.2	6.5	6.1	5.3	5.6	5.1	4.6	5.3	6.3	5.2	5.7
Previous live births	1 or more	59.3	56.6	59.5	63.1	62.2	64.6	59.8	65.6	62.2	62.4	63.3

Notes: [a] Rural = Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Mohave, Navajo, Santa Cruz, and Yavapai counties; the remaining counties comprise Arizona's urban areas; see ***Technical Notes*** for more information.

[b] Non-Hispanic.

[c] Reported medical risks for this pregnancy and/or complications of labor and delivery.

[d] Physician's estimate.

[e] Hospital, clinic, medical center or maternity home.

[f] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-6
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(WHITE NON-HISPANIC MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670	38,220
Age of mother											
≤19 Years	7.6	7.1	6.9	7.5	7.3	7.1	6.8	6.2	5.5	5.1	4.7
≥30 Years	39.9	40.3	39.3	37.9	38.5	38.7	39.3	40.4	41.5	42.9	43.2
Marital status											
Unmarried	25.1	24.8	26.1	27.7	28.4	29.5	29.7	29.9	29.5	30.4	30.3
Mother's education											
<9 years	1.5	1.4	1.3	1.2	1.2	1.1	1.2	1.1	1.2	1.0	0.8
Prenatal care began											
1st Trimester	86.8	87.3	87.7	86.9	86.5	87.3	87.9	88.2	88.0	88.4	87.4
3rd Trimester	1.9	1.9	1.8	2.0	2.1	1.9	1.9	2.1	1.8	1.8	2.0
No Care	0.6	0.7	0.8	0.9	0.9	0.7	0.7	0.6	0.6	0.6	0.7
Prenatal visits											
1-4	2.3	2.1	2.0	2.0	2.1	2.0	1.8	1.7	1.7	2.0	2.1
≥5	94.0	96.1	97.1	96.9	97.0	97.2	97.3	97.5	97.1	97.1	97.1
≥9	82.8	85.2	85.7	84.9	84.6	85.0	86.4	87.6	86.9	87.3	87.2
≥13	32.1	30.6	29.9	32.4	34.6	34.8	35.0	37.4	39.7	41.2	41.9
Medical risks/ Complications[a]	49.2	58.7	48.1	45.4	47.5	47.7	48.1	49.5	46.1	50.6	55.1
Gestational Age[b]											
Preterm (<37 weeks)	11.0	11.4	10.9	10.5	10.4	10.1	9.9	9.2	9.1	8.7	8.4
Birth weight											
<2,500 grams	6.9	7.2	6.9	6.7	7.1	6.9	6.9	6.7	6.7	6.5	6.4
<1,500 grams	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.1	1.0	1.0
Child's sex											
Male	51.2	51.0	51.5	51.3	50.8	51.1	51.2	51.4	51.1	51.3	51.3
Female	48.8	49.0	48.5	48.7	49.2	48.9	48.8	48.6	48.9	48.7	48.7
Plurality											
Multiple births	3.5	3.8	3.4	3.2	3.5	3.6	3.4	3.5	3.5	3.4	3.6
Caesarean delivery	24.2	25.9	27.1	27.9	28.6	29.5	29.5	29.1	29.4	28.7	28.4
Place of delivery											
Hospital[c]	97.9	97.6	97.8	97.9	97.9	97.9	97.6	97.7	97.4	97.4	97.6
Attendant at birth											
Midwife[d]	3.9	3.6	3.1	3.8	3.6	4.0	4.5	4.8	4.9	6.0	6.5
Previous live births											
1 or more	58.9	59.8	59.2	58.9	59.7	59.5	59.4	59.6	59.2	59.6	60.5

Notes: [a] Reported medical risks for this pregnancy and/or complications of la
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-7
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(WHITE NON-HISPANIC MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	2,672	2,836	2,729	2,891	2,978	2,878	2,727	2,579	2,586	2,505	2,459
Age of mother											
≤19 years	9.5	9.3	8.6	8.6	8.8	7.6	8.7	7.1	6.8	6.5	5.2
≥30 years	44.5	41.9	40.5	41.8	40.9	41.8	43.2	43.6	44.8	45.5	42.5
Marital status											
Unmarried	30.3	30.3	32.7	33.0	34.6	34.1	33.5	34.7	36.2	37.2	36.9
Mother's education											
<9 years	2.0	1.6	1.8	1.8	1.6	1.4	1.1	1.1	1.5	1.4	1.6
Prenatal care began											
1st Trimester	83.4	84.8	86.9	85.6	86.2	86.5	86.8	86.1	86.4	84.2	83.9
3rd Trimester	2.4	1.7	1.6	1.7	1.8	1.7	1.9	2.1	1.4	2.0	2.2
No Care	2.1	1.9	2.1	3.0	2.4	2.1	1.9	2.2	1.7	2.2	1.6
Prenatal visits											
1-4	5.2	5.7	5.8	5.2	5.5	4.7	5.3	4.5	4.5	6.1	5.6
≥5	87.9	90.4	92.0	91.6	92.0	92.9	92.4	92.9	92.5	91.1	92.4
≥9	66.8	69.6	69.7	68.6	70.1	69.8	70.6	74.4	71.5	71.4	70.6
≥13	31.8	29.4	28.1	27.1	31.0	29.9	30.5	34.3	34.6	31.7	33.0
Medical risks/ Complications[a]	69.6	66.2	70.9	66.5	68.6	71.5	71.5	73.2	72.2	74.2	75.2
Gestational age[b]											
Preterm (<37 weeks)	72.4	76.8	74.3	74.6	74.0	72.9	71.7	69.5	70.9	71.4	70.7
Birth weight											
<1,500 grams	16.5	14.9	15.8	16.1	15.0	15.7	15.5	13.3	16.7	16.1	15.3
<1,000 grams	7.7	7.1	8.4	7.1	6.2	6.8	6.9	5.7	7.6	7.6	6.9
Child's sex											
Male	49.5	47.2	46.2	47.4	46.9	47.0	46.3	45.4	47.1	46.7	49.3
Female	50.5	52.8	53.8	52.6	53.1	53.0	53.7	54.6	52.9	53.3	50.7
Plurality											
Multiple births	29.6	30.3	28.8	28.7	29.6	30.1	26.7	29.2	29.1	28.8	29.7
Caesarean delivery	48.1	46.8	47.9	48.4	49.6	53.2	50.5	51.1	50.9	52.5	49.5
Place of delivery											
Hospital[c]	99.5	99.5	99.6	99.5	99.5	99.4	99.7	99.5	99.2	99.4	99.6
Attendant at birth											
Midwife[d]	1.2	1.4	0.9	0.9	1.2	1.3	1.1	1.1	1.0	1.3	1.7
Previous live births											
1 or more	54.7	54.6	54.3	56.9	57.5	58.3	56.7	58.2	56.2	57.9	56.8

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-8
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(HISPANIC OR LATINO MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146	33,075
Age of mother											
≤19 years	17.4	17.5	17.1	17.2	17.0	16.8	16.5	15.6	14.3	14.0	12.3
≥30 years	23.6	24.7	25.6	25.5	26.5	27.5	28.4	29.4	29.8	30.2	30.6
Marital status											
Unmarried	52.7	53.9	54.3	55.4	56.7	56.5	56.9	56.2	56.6	57.2	57.1
Mother's education											
<9 years	19.2	18.8	17.5	16.4	15.4	13.9	12.3	10.7	9.3	8.7	7.6
Prenatal care began											
1st Trimester	65.8	67.0	69.5	70.1	70.5	73.4	74.1	76.6	76.5	78.2	76.2
3rd Trimester	6.2	6.3	5.2	5.1	4.9	4.5	4.4	4.1	4.1	4.3	5.0
No Care	4.8	4.5	3.6	3.6	3.2	2.5	2.9	2.6	2.5	1.9	2.1
Prenatal visits											
1-4	5.7	6.4	5.5	5.2	4.9	4.4	4.5	4.2	4.4	4.5	4.8
≥5	87.4	88.4	90.8	91.0	91.8	93.0	92.4	93.0	92.7	93.3	93.0
≥9	68.5	67.9	70.0	70.3	71.2	73.3	73.4	75.0	76.3	77.0	77.0
≥13	28.9	25.8	22.9	23.9	25.7	26.7	26.3	27.2	28.8	29.1	29.0
Medical risks/ Complications[a]	38.1	39.3	40.5	41.5	41.4	43.7	46.4	48.0	44.2	52.6	54.6
Gestational age[b]											
Preterm (<37 weeks)	9.8	10.3	10.1	10.1	9.8	9.9	9.7	9.5	9.1	9.4	9.3
Birth weight											
<2,500 grams	6.9	6.8	6.4	6.9	6.6	6.7	6.6	6.8	6.4	6.8	6.6
<1,500 grams	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
Child's sex											
Male	51.0	51.2	51.1	51.2	51.4	51.0	51.1	50.5	51.4	51.2	51.3
Female	49.0	48.8	48.9	48.8	48.6	49.0	48.9	49.5	48.6	48.8	48.7
Plurality											
Multiple births	2.3	2.2	2.3	2.4	2.2	2.2	2.2	2.3	2.1	2.1	2.4
Caesarean delivery	21.1	21.9	23.5	24.0	24.6	25.7	25.8	25.9	26.1	26.0	26.7
Place of delivery											
Hospital[c]	99.8	99.7	99.7	99.8	99.7	99.8	99.7	99.7	99.6	99.6	99.6
Attendant at birth											
Midwife[d]	5.6	5.9	5.2	4.6	4.9	5.6	6.0	5.7	5.3	6.1	5.9
Previous live births											
1 or more	65.5	65.9	66.7	66.0	66.4	67.4	67.2	66.9	66.6	66.2	67.0

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-9
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(HISPANIC OR LATINO MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	2,687	2,759	2,710	3,074	3,021	2,866	2,546	2,342	2,075	2,256	2,199
Age of mother											
≤19 years	21.1	18.9	19.6	20.5	19.4	18.7	18.1	17.1	16.6	15.0	12.9
≥30 years	24.4	26.7	26.6	27.0	28.5	29.0	31.7	32.6	29.3	32.3	31.7
Marital status											
Unmarried	57.0	58.0	59.2	58.6	60.2	58.6	58.7	60.6	61.7	61.9	61.5
Mother's education											
<9 years	19.1	18.2	16.8	15.0	15.7	12.2	12.2	9.5	9.3	8.5	7.2
Prenatal care began											
1st Trimester	65.8	67.2	69.5	71.1	69.7	74.8	75.9	76.7	77.2	76.5	74.8
3rd Trimester	4.0	3.9	3.4	3.6	4.0	3.2	2.7	3.2	2.7	3.2	3.8
No Care	7.5	6.5	6.7	6.4	6.0	4.7	5.2	3.9	4.3	3.7	4.2
Prenatal visits											
1-4	10.0	12.5	12.5	11.0	10.7	9.6	9.5	9.2	9.7	10.6	9.5
≥5	79.3	79.9	80.6	82.3	83.1	85.5	85.0	86.2	85.4	85.4	85.9
≥9	52.5	50.9	52.7	53.5	54.4	58.5	58.2	58.7	59.9	59.9	63.7
≥13	22.2	19.9	16.9	18.6	20.7	22.5	21.3	21.4	23.6	21.9	24.1
Medical risks											
Complications[a]	58.5	61.1	63.5	62.4	62.2	67.1	69.0	72.8	66.4	73.8	70.3
Gestational age[b]											
Preterm (<37 weeks)	69.7	71.7	74.3	71.5	71.6	72.0	71.1	70.9	71.4	72.0	71.5
Birth weight											
<1,500 grams	15.7	18.2	18.0	18.2	18.2	16.3	17.1	15.6	16.6	16.8	16.7
<1,000 grams	8.2	9.0	9.4	8.6	9.8	7.4	8.4	7.3	8.9	8.2	8.0
Child's sex											
Male	47.7	48.1	47.1	47.2	49.3	48.9	48.5	47.8	46.7	51.1	49.9
Female	52.3	51.9	52.9	52.8	50.7	51.1	51.5	52.2	53.3	48.9	50.1
Plurality											
Multiple births	18.7	19.5	18.9	19.1	19.5	18.3	18.6	18.8	18.1	18.5	21.3
Caesarean delivery	35.3	36.5	38.3	39.8	40.1	41.4	42.6	42.5	44.4	43.3	46.5
Place of delivery											
Hospital[c]	99.8	99.7	99.6	99.9	99.7	99.9	99.9	99.9	99.6	99.8	99.8
Attendant at birth											
Midwife[d]	2.7	2.8	2.5	1.5	2.4	2.9	2.6	3.0	2.4	3.0	2.5
Previous live births											
1 or more	61.4	60.7	60.8	61.2	63.8	62.2	63.0	63.0	62.8	63.9	63.4

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-10
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(BLACK OR AFRICAN AMERICAN MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715	4,726
Age of mother											
≤19 years	18.2	16.8	16.5	15.6	14.9	15.3	13.8	13.0	12.8	11.5	10.7
≥30 years	23.9	25.7	25.3	26.2	27.0	26.7	28.2	28.3	30.3	30.2	30.6
Marital status											
Unmarried	62.7	62.0	61.9	62.3	61.9	62.6	62.7	63.1	63.6	64.8	63.7
Mother's education											
<9 years	2.6	3.0	4.8	4.6	4.4	5.0	4.4	5.2	4.3	4.3	3.7
Prenatal care began											
1st Trimester	75.7	75.8	76.6	77.4	76.8	77.6	80.3	81.6	80.4	79.9	78.2
3rd Trimester	4.4	4.4	3.4	2.8	3.7	3.7	2.9	3.3	3.0	3.4	4.5
No Care	3.5	3.3	2.6	2.3	2.7	2.1	1.6	1.7	1.6	1.1	1.3
Prenatal visits											
1-4	4.1	4.6	4.5	4.1	4.4	3.7	3.6	4.1	4.0	4.5	4.7
≥5	89.3	91.0	92.7	93.3	92.8	93.9	94.5	94.0	93.4	94.1	93.8
≥9	74.7	75.2	74.4	74.6	75.0	75.4	78.6	78.4	79.1	78.5	79.1
≥13	31.7	28.5	24.6	26.9	28.2	28.5	29.5	30.4	33.6	32.7	31.0
Medical risks											
Complications[a]	46.6	44.1	44.4	44.4	46.4	50.3	53.4	56.0	52.0	56.6	57.2
Gestational age[b]											
Preterm (<37 weeks)	14.4	14.4	16.4	14.5	14.9	14.0	14.4	12.3	12.7	11.9	11.8
Birth weight											
<2,500 grams	11.7	11.6	12.6	12.7	12.8	11.7	12.8	11.4	12.5	11.7	11.1
<1,500 grams	2.2	2.5	2.5	2.3	2.6	2.6	2.8	2.6	2.5	2.3	2.0
Child's sex											
Male	51.8	51.3	50.5	50.8	51.8	52.4	52.0	50.8	50.5	50.5	51.8
Female	48.2	48.7	49.5	49.2	48.2	47.6	48.0	49.2	49.5	49.5	48.2
Plurality											
Multiple births	3.8	3.4	3.1	3.8	3.6	4.1	4.2	3.3	3.6	4.1	3.7
Caesarean delivery	25.5	25.8	27.4	29.1	30.3	30.5	30.9	30.7	31.1	31.9	31.4
Place of delivery											
Hospital[c]	99.2	99.3	99.5	99.3	99.6	99.4	99.6	99.5	99.3	99.6	99.3
Attendant at birth											
Midwife[d]	3.4	3.5	3.0	2.6	2.4	3.4	3.2	3.4	2.7	3.5	3.9
Previous live births											
1 or more	61.4	63.5	62.3	61.4	63.2	62.7	62.8	62.8	63.0	63.8	64.6

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-11
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(BLACK OR AFRICAN AMERICAN MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	354	373	435	489	532	503	559	492	546	551	523
Age of mother											
≤19 years	16.9	18.0	16.8	17.0	15.8	16.7	13.8	17.5	13.7	10.2	12.8
≥30 years	24.6	26.8	26.7	29.2	28.2	31.8	30.6	27.6	33.5	32.3	33.8
Marital status											
Unmarried	68.1	68.4	65.7	66.1	66.4	65.2	69.8	72.2	67.9	69.0	72.8
Mother's education											
<9 years	2.5	2.1	6.2	4.3	5.5	4.4	3.2	4.3	2.9	2.9	3.1
Prenatal care began											
1st Trimester	74.0	72.1	75.6	75.9	77.4	77.7	79.4	82.5	80.0	78.8	77.8
3rd Trimester	5.4	3.5	2.3	1.6	3.4	3.4	2.5	1.6	3.1	3.4	3.3
No Care	5.9	6.7	4.4	3.5	3.6	4.4	4.1	2.4	2.4	2.4	3.4
Prenatal visits											
1-4	9.3	9.4	9.0	9.4	9.0	6.8	7.3	9.3	9.5	10.3	8.6
≥5	79.7	82.3	85.5	86.7	87.4	88.5	88.0	87.8	86.3	86.0	87.2
≥9	56.8	59.5	57.7	60.9	60.0	62.0	64.0	60.4	64.1	64.4	66.7
≥13	28.8	24.1	23.4	21.3	22.9	21.3	23.8	26.6	29.3	27.6	25.2
Medical risks											
Complications[a]	59.3	61.7	64.1	63.0	67.7	68.4	72.8	74.0	68.7	68.4	70.0
Gestational age[b]											
Preterm (<37 weeks)	70.1	71.6	74.3	70.6	70.1	71.6	72.1	68.9	65.6	65.7	66.9
Birth weight											
<1,500 grams	18.4	21.7	20.0	18.2	20.3	22.1	22.2	23.0	20.0	20.0	18.0
<1,000 grams	11.6	10.5	11.0	9.8	10.2	13.1	10.9	12.6	10.8	10.3	10.3
Child's sex											
Male	49.4	47.5	47.1	45.2	47.9	49.7	49.7	42.3	46.0	45.7	47.2
Female	50.6	52.5	52.9	54.6	52.1	50.3	50.3	57.7	54.0	54.3	52.8
Plurality											
Multiple births	19.5	20.1	14.5	18.2	18.6	19.1	22.0	19.7	17.8	21.2	21.4
Caesarean delivery	34.7	36.2	39.3	37.4	43.0	44.9	45.6	43.9	43.4	45.6	42.8
Place of delivery											
Hospital[c]	99.7	98.7	100.0	99.6	100.0	99.8	99.6	99.4	99.8	100.0	99.0
Attendant at birth											
Midwife[d]	2.3	1.6	1.1	1.0	1.1	2.0	1.3	2.0	2.6	0.9	1.9
Previous live births											
1 or more	64.7	63.5	59.8	62.8	64.5	62.8	61.4	59.3	62.5	65.2	61.8

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-12
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569	5,476
Age of mother											
≤19 years	19.4	18.7	19.1	19.1	20.1	18.6	19.0	17.0	16.9	16.0	14.2
≥30 years	23.8	24.9	25.4	23.6	24.0	24.0	23.8	24.1	25.0	25.2	26.6
Marital status											
Unmarried	72.4	73.1	72.9	74.8	75.9	75.8	76.9	77.7	77.1	78.5	79.2
Mother's education											
<9 years	3.8	3.9	3.5	3.5	3.0	3.2	2.8	2.8	2.5	2.5	2.4
Prenatal care began											
1st Trimester	68.8	69.0	67.9	65.9	65.9	65.1	66.0	69.4	68.6	68.2	68.7
3rd Trimester	6.0	5.6	6.6	7.0	6.6	7.8	7.4	6.2	6.1	7.0	6.1
No Care	2.4	3.0	3.0	3.5	3.2	3.1	2.1	2.3	2.5	2.0	2.4
Prenatal visits											
1-4	9.3	9.0	9.6	9.7	8.8	9.3	8.6	8.8	9.0	9.1	9.5
≥5	85.7	87.0	87.3	86.5	87.7	87.4	88.9	88.5	87.8	88.4	87.7
≥9	60.9	62.5	63.3	60.5	61.2	59.9	61.5	64.0	62.8	64.0	63.7
≥13	20.4	20.6	19.5	18.3	19.4	18.7	17.9	18.8	19.7	20.7	21.3
Medical risks/ Complications[a]	51.4	55.7	55.1	56.5	57.2	54.8	54.3	55.3	53.8	60.4	61.7
Gestational age[b]											
Preterm (<37 weeks)	9.8	10.9	10.6	11.7	10.4	9.8	9.6	10.6	9.0	9.7	9.7
Birth weight											
<2,500 grams	6.8	7.2	7.3	7.4	6.6	6.7	6.4	7.0	6.9	6.7	7.2
<1,500 grams	0.9	0.9	1.1	1.1	1.0	1.1	0.9	1.2	1.3	1.1	1.0
Child's sex											
Male	49.5	51.2	50.9	50.0	50.2	50.1	50.4	50.4	50.7	50.5	51.6
Female	50.5	48.8	49.1	50.0	49.8	49.9	49.6	49.6	49.3	49.5	48.4
Plurality											
Multiple births	1.7	1.7	1.9	1.8	1.4	1.5	1.6	1.8	1.5	1.6	1.8
Caesarean delivery	19.2	19.4	20.6	22.4	22.9	23.1	23.2	22.9	23.1	23.8	24.0
Place of delivery											
Hospital[c]	99.5	99.6	99.5	99.6	99.7	99.7	99.7	99.6	99.6	99.7	99.7
Attendant at birth											
Midwife[d]	31.5	32.3	31.6	28.8	29.3	28.0	27.6	28.6	27.9	27.8	27.6
Previous live births											
1 or more	66.8	67.2	67.5	68.1	66.5	66.9	66.6	67.3	66.5	67.6	68.5

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-13
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(AMERICAN INDIAN OR ALASKA NATIVE MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	402	441	460	473	426	428	396	406	403	372	393
Age of mother											
≤19 years	15.2	18.6	19.6	19.2	22.8	16.8	18.2	15.3	18.9	18.0	10.2
≤30 years	31.6	28.3	29.8	28.5	28.4	26.6	28.8	29.6	26.8	33.1	29.5
Marital status											
Unmarried	72.9	74.6	73.3	76.5	75.8	80.1	79.3	75.4	81.1	80.9	82.2
Mother's education											
<9 years	6.0	4.5	3.9	4.2	2.1	4.4	2.5	3.0	2.0	3.2	5.1
Prenatal care began											
1st Trimester	65.2	67.1	67.0	63.0	67.4	66.8	65.2	69.7	70.0	69.1	66.9
3rd Trimester	5.7	3.2	4.8	7.0	5.4	6.8	5.8	4.2	4.0	4.3	8.4
No Care	7.5	5.9	8.5	9.5	8.5	7.5	4.3	6.7	6.7	5.9	4.3
Prenatal visits											
1-4	13.2	13.8	13.0	15.0	11.5	16.4	12.1	13.5	11.4	15.1	17.6
≥5	76.6	78.9	77.4	74.8	79.6	75.7	81.8	78.8	79.7	78.2	76.8
≥9	45.5	50.8	50.2	44.4	46.2	44.6	52.0	47.8	47.4	51.6	50.6
≥13	17.4	16.3	15.4	11.4	15.7	16.6	16.9	15.5	13.9	16.4	15.3
Medical risks/ Complications[a]	72.9	71.7	72.8	74.8	69.7	66.1	69.4	74.4	65.5	70.2	71.2
Gestational age[b]											
Preterm (<37 weeks)	69.7	68.5	70.2	74.2	71.8	71.7	69.7	74.9	69.0	79.0	70.7
Birth weight											
<1,500 grams	13.2	12.7	15.2	15.4	15.3	16.8	14.4	16.7	18.4	16.7	13.7
<1,000 grams	6.2	5.2	6.5	5.5	7.5	7.9	8.1	7.4	9.2	8.9	4.6
Child's sex											
Male	49.0	53.7	51.3	52.0	46.0	45.6	48.2	54.9	46.4	49.2	51.4
Female	51.0	46.3	48.7	48.0	54.0	54.4	51.8	45.1	53.6	50.8	48.6
Plurality											
Multiple births	15.2	13.2	11.7	13.5	11.3	13.3	13.1	15.5	11.7	15.6	12.7
Caesarean delivery	38.3	36.5	36.5	39.3	40.1	39.3	39.4	44.6	34.5	47.3	44.3
Place of delivery											
Hospital[c]	99.3	99.8	98.9	99.8	99.8	99.8	99.5	99.8	99.5	99.7	100.0
Attendant at birth											
Midwife[d]	15.9	16.1	13.3	11.8	14.3	10.7	11.1	11.1	10.7	8.9	11.5
Previous live births											
1 or more	64.4	62.4	66.5	68.1	59.9	66.4	64.1	67.2	64.3	69.6	68.7

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-14
LIVE BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(ASIAN OR PACIFIC ISLANDER MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of births	2,524	2,614	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625	3,466
Age of mother											
≤19 years	4.2	3.5	3.4	2.9	3.0	3.3	2.6	3.1	3.2	2.2	2.3
≥30 years	51.6	52.8	52.7	53.7	53.9	55.9	55.6	55.9	57.4	57.3	59.2
Marital status											
Unmarried	16.3	15.8	17.0	16.2	17.6	17.4	15.8	17.4	17.3	17.3	16.0
Mother's education											
<9 years	2.2	2.4	1.8	2.4	1.6	2.3	2.2	3.3	3.1	3.1	2.7
Prenatal care began											
1st Trimester	84.2	84.7	86.3	86.1	86.5	86.4	88.1	88.1	86.5	87.1	86.4
3rd Trimester	2.6	3.1	1.9	2.1	2.1	3.1	1.9	2.3	2.3	2.0	2.9
No Care	1.6	1.5	1.0	1.2	1.5	1.3	1.3	1.2	1.0	0.7	0.7
Prenatal visits											
1-4	2.9	2.9	2.5	2.0	1.8	2.4	2.1	1.9	2.3	2.4	2.6
≥5	92.5	94.9	96.4	96.5	96.6	96.2	96.4	96.7	96.2	96.8	96.6
≥9	80.5	82.3	84.1	82.7	83.9	83.2	85.6	86.7	84.2	86.2	85.6
≥13	26.2	24.6	25.8	30.3	35.3	33.5	35.6	36.0	37.9	37.2	39.2
Medical risks/ Complications[a]	44.8	47.1	45.0	43.5	45.4	46.4	48.1	51.5	47.4	52.9	57.4
Gestational age[b]											
Preterm (<37 weeks)	10.8	11.0	10.2	10.4	9.6	10.0	10.0	9.9	9.0	8.4	8.9
Birth weight											
<2,500 grams	8.5	8.0	8.0	8.5	8.0	9.1	8.8	8.5	8.3	7.2	7.9
<1,500 grams	1.5	1.1	1.2	1.1	1.0	1.5	1.5	1.4	1.1	0.8	1.1
Child's sex											
Male	50.8	52.5	50.7	52.2	53.2	51.3	51.7	50.7	52.4	52.1	51.4
Female	49.2	47.5	49.3	47.8	46.8	48.7	48.3	49.3	47.6	47.9	48.6
Plurality											
Multiple births	3.2	2.4	2.0	2.7	2.3	3.6	2.9	2.5	3.3	2.5	3.2
Caesarean delivery	25.6	26.5	28.1	30.5	30.0	32.0	32.6	32.8	33.0	32.1	33.2
Place of delivery											
Hospital[c]	99.2	99.3	99.5	99.4	99.5	99.4	99.4	99.6	99.3	99.2	99.1
Attendant at birth											
Midwife[d]	2.9	2.8	2.3	2.1	1.7	2.7	3.0	2.8	3.1	4.0	3.3
Previous live births											
1 or more	53.0	53.8	54.4	53.3	54.5	52.9	54.8	55.5	54.6	55.5	56.2

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-15
LOW-BIRTHWEIGHT (LBW) BIRTHS ACCORDING TO SELECTED MATERNAL, PRENATAL CARE AND DELIVERY CHARACTERISTICS, BIRTHWEIGHT, PLURALITY, CHILD'S SEX, BIRTH ORDER, AND BIRTH COMPLICATIONS, ARIZONA, 2003-2013
(ASIAN OR PACIFIC ISLANDER MOTHERS)

Characteristic	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Number of LBW births	215	210	223	268	272	311	299	280	292	262	275
Age of mother											
≤19 years	1.4	6.2	3.6	1.1	2.2	3.5	3.3	5.4	5.1	5.0	1.5
≤30 years	60.5	51.9	50.2	53.7	55.5	59.5	54.8	52.1	58.6	64.9	66.2
Marital status											
Unmarried	14.4	20.0	22.4	18.7	16.9	21.5	20.4	18.9	18.2	18.3	12.4
Mother's education											
<9 years	2.3	1.9	1.3	3.0	1.1	2.6	1.7	3.2	4.1	3.8	3.6
Prenatal care began											
1st Trimester	83.7	87.6	83.9	87.7	83.8	82.6	87.0	84.3	83.9	87.8	86.9
3rd Trimester	1.9	2.4	3.6	1.5	1.5	3.5	3.0	2.9	2.1	0.4	3.6
No Care	3.3	1.9	2.7	3.0	3.7	4.2	2.0	1.4	2.7	0.8	0.7
Prenatal visits											
1-4	5.6	6.7	7.2	3.7	4.0	7.7	7.4	6.8	4.8	2.3	6.2
≥5	87.0	90.0	89.7	92.9	92.3	88.1	90.0	91.4	92.5	96.9	93.1
≥9	66.5	67.1	67.3	68.7	67.6	69.8	72.6	70.7	72.9	78.6	73.5
≥13	31.2	19.0	22.4	22.8	29.4	34.1	34.4	27.1	30.8	32.8	31.6
Medical risks/ Complications[a]	55.8	59.5	67.7	67.9	66.5	61.1	70.2	74.3	68.8	72.5	73.8
Gestational age[b]											
Preterm (<37 weeks)	69.3	60.0	65.9	67.2	68.0	60.5	66.2	65.4	64.7	63.0	61.1
Birth weight											
<1,500 grams	18.1	13.8	15.7	13.4	12.9	16.1	17.4	16.4	12.7	11.5	13.5
<1,000 grams	7.4	9.0	5.8	5.2	4.8	9.3	8.7	7.9	6.2	5.3	6.2
Child's sex											
Male	46.0	45.7	47.1	49.3	47.4	51.8	50.2	45.0	46.9	52.7	46.5
Female	54.0	54.3	52.9	50.7	52.6	48.2	49.8	55.0	53.1	47.3	53.5
Plurality											
Multiple births	28.4	21.4	19.7	19.0	21.7	26.7	22.4	18.9	25.7	20.2	23.6
Caesarean delivery	47.9	38.1	46.6	44.4	40.4	49.8	51.5	45.4	51.4	44.3	53.1
Place of delivery											
Hospital[c]	100.0	100.0	100.0	100.0	100.0	99.7	100.0	100.0	99.7	100.0	100.0
Attendant at birth											
Midwife[d]	0.5	1.4	0.4	1.9	1.1	2.6	1.7	1.1	0.3	2.7	2.2
Previous live births											
1 or more	47.9	51.4	55.6	50.0	47.1	51.8	48.8	49.6	55.5	53.1	56.4

Notes: [a] Reported medical risks for this pregnancy and/or complications of labor and delivery.
[b] Physician's estimate.
[c] Hospital, clinic, medical center or maternity home.
[d] Licensed Midwife or Certified Nurse Midwife.

TABLE 1B-16
SINGLE AND PLURAL LIVE BIRTHS BY BIRTHWEIGHT, ARIZONA RESIDENTS, 2003-2013

Weight in grams	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Under 1000, total	510	531	579	559	589	538	523	439	496	480	433
Single	393	434	452	413	450	419	431	346	379	383	332
Plural	117	97	127	146	139	119	92	93	117	97	101
1,000-1,499, total	514	569	540	670	634	618	577	505	505	506	494
Single	369	426	404	469	452	431	420	386	374	387	341
Plural	144	143	136	201	182	187	157	119	131	119	153
1,500-1,999, total	1,295	1,309	1,254	1,425	1,362	1,360	1,211	1,194	1,131	1,197	1,152
Single	913	882	909	979	935	944	835	823	794	814	830
Plural	382	427	345	446	427	416	376	371	337	383	322
2,000-2,499, total	4,108	4,295	4,267	4,612	4,700	4,510	4,262	4,017	3,817	3,763	3,770
Single	3,243	3,370	3,397	3,771	3,762	3,598	3,432	3,178	3,043	2,994	2,920
Plural	863	925	870	841	938	912	830	839	774	769	850
2,500-3,999, total	76,777	79,390	81,676	86,943	87,739	84,904	79,423	74,680	72,777	73,096	72,494
Single	75,685	78,324	80,530	85,755	86,631	83,674	78,297	73,596	71,741	72,085	71,377
Plural	1,063	1,066	1,146	1,188	1,108	1,230	1,126	1,084	1,036	1,011	1,117
4,000 and over, total	7,440†	7,270†	7,460†	7,820†	7,640†	7,270†	6,601	6,200†	6,450†	6,680†	6,540†
Single	7,434	7,266	7,462	7,817	7,634	7,267	6,601	6,194	6,450	6,674	6,537
Plural	*	*	*	*	*	*	0	*	*	*	*
All weights, total[a]	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963
Single	88,167	90,732	93,173	99,216	99,889	96,347	90,034	84,535	82,793	83,342	82,415
Plural	2,580†	2,660†	2,630†	2,830†	2,800†	2,870†	2,582	2,510†	2,400†	2,380†	2,550†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes records with unknown weight and/or plurality.

TABLE 1B-17
RESIDENT BIRTHS BY MONTH OF OCCURRENCE, ARIZONA, 2003-2013

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2003	7,526	6,842	7,285	7,105	7,375	7,096	7,932	8,209	8,207	8,068	7,221	7,917	90,783
Percent	8.3	7.5	8.0	7.8	8.1	7.8	8.7	9.0	9.0	8.9	8.0	8.7	100.0
2004	7,570	7,191	7,742	7,196	7,231	7,305	8,005	8,174	8,585	8,346	8,014	8,037	93,396
Percent	8.1	7.7	8.3	7.7	7.7	7.8	8.6	8.8	9.2	8.9	8.6	8.6	100.0
2005	7,700	7,146	7,946	7,515	7,583	7,802	8,286	8,746	8,712	8,058	7,926	8,378	95,798
Percent	8.0	7.5	8.3	7.8	7.9	8.1	8.6	9.1	9.1	8.4	8.3	8.7	100.0
2006	8,089	7,614	8,371	7,724	8,088	8,311	8,897	9,265	9,166	9,140	8,618	8,759	102,042
Percent	7.9	7.5	8.2	7.6	7.9	8.1	8.7	9.1	9.0	9.0	8.4	8.6	100.0
2007	8,659	7,721	8,324	7,885	8,207	8,341	9,011	9,396	9,077	9,101	8,388	8,577	102,687
Percent	8.4	7.5	8.1	7.7	8.0	8.1	8.8	9.2	8.8	8.9	8.2	8.4	100.0
2008	8,656	8,158	8,094	7,694	8,124	7,677	8,783	8,779	8,760	8,411	7,740	8,339	99,215
Percent	8.7	8.2	8.2	7.8	8.2	7.7	8.9	8.8	8.8	8.5	7.8	8.4	100.0
2009	7,784	7,333	8,069	7,371	7,464	7,377	8,060	8,194	8,097	7,872	7,267	7,728	92,616
Percent	8.4	7.9	8.7	8.0	8.1	8.0	8.7	8.8	8.7	8.5	7.8	8.3	100.0
2010	7,342	6,812	7,521	6,886	6,989	6,982	7,153	7,637	7,977	7,331	7,038	7,378	87,053[a]
Percent	8.4	7.8	8.6	7.9	8.0	8.0	8.2	8.8	9.2	8.4	8.1	8.5	100.0
2011	7,127	6,500	7,254	6,498	6,678	7,086	7,222	7,688	7,750	7,361	6,987	7,039	85,190
Percent	8.4	7.6	8.5	7.6	7.8	8.3	8.5	9.0	9.1	8.6	8.2	8.3	100.0
2012	7,006	6,732	7,100	6,603	6,777	6,725	7,368	7,772	7,689	7,629	7,101	7,223	85,725
Percent	8.2	7.9	8.3	7.7	7.9	7.8	8.6	9.1	9.0	8.9	8.3	8.4	100.0
2013	7,090	6,414	7,083	6,694	6,681	6,685	7,337	7,436	7,538	7,515	7,130	7,360	84,963
Percent	8.3	7.5	8.3	7.9	7.9	7.9	8.6	8.8	8.9	8.8	8.4	8.7	100.0

Note: [a] Includes 7 records where month of birth is missing.

TABLE 1B-18
BIRTHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2013

		TOTAL	Month of birth											
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL		84,963	7,090	6,414	7,083	6,694	6,681	6,685	7,337	7,436	7,538	7,515	7,130	7,360
Day of birth	**1**	2,709	157	262	245	213	221	189	251	270	182	267	255	197
	2	2,708	216	211	206	251	267	142	278	262	171	260	202	242
	3	2,776	242	167	186	253	243	218	253	196	262	291	192	273
	4	2,853	283	204	249	245	190	242	211	160	264	276	259	270
	5	2,818	207	246	281	236	152	228	220	238	282	208	253	267
	6	2,631	183	233	212	181	204	226	177	252	269	179	265	250
	7	2,764	239	263	279	162	255	226	167	253	205	246	258	211
	8	2,873	258	264	253	236	235	191	223	281	176	295	272	189
	9	2,805	249	214	207	244	235	172	259	243	280	259	190	253
	10	2,756	256	160	163	259	239	231	260	197	287	279	174	251
	11	2,889	254	246	266	224	155	250	273	184	260	263	241	273
	12	2,911	181	255	223	269	179	224	262	238	301	221	294	264
	13	2,767	193	258	239	183	236	245	206	258	270	175	266	238
	14	2,882	247	280	256	170	236	241	208	272	224	248	289	211
	15	2,837	254	239	258	235	260	195	255	276	186	249	252	178
	16	2,730	230	172	179	242	224	159	252	279	284	262	189	258
	17	2,753	244	204	168	214	230	225	248	204	287	263	185	281
	18	2,901	254	226	261	232	176	245	282	172	288	261	255	249
	19	2,935	175	248	260	236	168	262	271	261	295	190	282	287
	20	2,857	191	249	246	212	220	270	207	244	278	191	260	289
	21	2,822	229	245	262	184	242	232	194	276	242	236	269	211
	22	2,882	246	260	225	261	226	195	254	240	230	259	296	190
	23	2,869	246	195	189	247	267	180	269	266	252	273	211	274
	24	2,678	254	162	191	230	226	253	256	184	279	265	185	193
	25	2,844	273	232	234	221	198	255	264	185	273	271	277	161
	26	2,825	199	242	234	255	149	260	256	248	300	199	253	230
	27	2,657	173	247	246	189	152	263	183	251	279	157	265	252
	28	2,623	212	230	268	156	204	253	175	269	196	270	177	213
	29	2,533	243		255	217	243	221	229	278	188	272	199	188
	30	2,590	278		207	237	234	192	260	288	248	208	165	273
	31	1,485	224		135		215		234	211		222		244

TABLE 1B-19
LIVE BIRTHS BY MOTHER'S AGE AND FATHER'S AGE, ARIZONA, 2013

Father's age group	Mother's age group										
	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known	TOTAL
<15	*	*	*	*	0	*	0	0	0	0	10†
15-17	16	401	185	34	0	*	*	0	0	0	640†
18-19	6	495	1,163	484	47	*	*	*	*	0	2,210†
20-24	*	284	2,001	8,739	1,491	269	67	*	0	0	12,860†
25-29	0	26	373	6,060	10,583	2,192	385	60	*	0	19,680†
30-34	0	6	81	1,667	7,402	9,136	1,640	170	*	0	20,110†
35-39	0	*	14	404	1,871	4,963	3,839	428	18	*	11,540†
40-44	0	0	10	151	594	1,464	1,988	745	33	*	4,986
45-49	0	0	7	59	188	406	541	305	39	0	1,545
50-54	0	0	*	20	57	126	170	104	30	*	510†
55+	0	*	*	10	20	28	71	44	17	0	190†
Unknown	47	765	1,328	3,833	2,413	1,378	691	209	22	*	10,691
TOTAL	70†	1,990†	5,170†	21,460†	24,666	19,970†	9,400†	2,070†	170†	10†	84,963

TABLE 1B-20
LIVE BIRTHS BY MOTHER'S RACE/ETHNICITY AND FATHER'S RACE/ETHNICITY, ARIZONA, 2013

Father's race/ethnicity	Mother's race/ethnicity					
	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	TOTAL
White non-Hispanic	28,627	4,058	485	431	856	34,457
Hispanic or Latino	4,324	22,165	268	651	231	27,639
Black or African American	1,208	1,005	2,681	153	131	5,178
American Indian or Alaska Native	374	365	45	3,101	22	3,907
Asian or Pacific Islander	616	242	32	44	2,093	3,027
Unspecified other/unknown race	3,071	5,240	1,215	1,096	133	10,755
TOTAL	38,220	33,075	4,726	5,476	3,466	84,963

TABLE 1B-21
LIVE BIRTHS BY MOTHER'S AND FATHER'S EDUCATION, ARIZONA, 2013

Father's education	Mother's education							TOTAL
	<8	8	9-11	12	13-16	17+	Unknown	
<8	771	145	529	393	176	35	*	2,051
8	95	191	257	383	165	11	*	1,104
9-11	337	252	3,646	2,957	1,331	77	9	8,609
12	245	257	3,156	12,992	7,625	695	32	25,002
13-16	119	68	873	4,684	18,913	3,604	22	28,283
17+	30	7	47	462	3,795	4,000	6	8,347
Unknown	298	420	3,183	4,355	2,679	203	429	11,567
TOTAL	1,895	1,340	11,691	26,226	34,684	8,625	502	84,963

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; (502) cases were missing mother's education, (11,567) cases were missing father's education.

TABLE 1B-22
RESIDENT BIRTHS BY MOTHER'S RACE AND HISPANIC OR LATINO ORIGIN BY YEAR, ARIZONA, 2003-2013

Mother's race/ethnicity	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total resident births, all groups	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963
White non-Hispanic or Latino	38,842	39,271	39,657	43,013	42,216	41,925	39,781	38,777	38,294	38,670	38,220
Hispanic or Latino, total	39,101	40,822	42,156	44,862	45,731	42,639	38,362	34,333	32,398	33,146	33,075
Mexican	37,322	38,823	39,946	42,870	43,587	40,004	36,680	32,374	30,954	31,360	31,037
Puerto Rican	273	297	321	254	388	327	351	316	400	342	363
Cuban	63	53	66	65	93	80	81	87	104	96	124
Other Central or South American	784	875	1,013	1,212	1,204	1,124	981	971	940	1,003	1,139
Other Hispanic	659	774	810	461	459	1,104	269	585	0	345	412
Black or African American	3,022	3,216	3,450	3,864	4,165	4,301	4,378	4,328	4,366	4,715	4,726
American Indian or Alaska Native	5,881	6,120	6,293	6,364	6,408	6,362	6,170	5,815	5,830	5,569	5,476
Asian or Pacific Islander, total	2,524	85,725	2,805	3,136	3,412	3,425	3,396	3,293	3,505	3,625	3,466
Chinese	156	165	170	198	188	192	160	165	159	214	210
Japanese	71	50	68	75	65	52	51	48	52	39	51
Hawaiian	63	61	59	53	67	68	57	56	71	64	72
Filipino	327	318	348	354	429	372	368	383	351	345	381
Other Asian or Pacific Islander	1,907	2,020	2,160	2,456	2,663	2,741	2,760	2,641	2,872	2,963	2,752
Unknown (includes unspecified other)	1,413	1,353	1,437	803	755	563	529	507	797	NA	NA

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

TABLE 1B-23
TOTAL BIRTHS AND RATIOS OF BIRTH BY MOTHER'S MARITAL STATUS, AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2013

			TOTAL	Mother's age group									
				<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	**Married**	Count	45,605	0	62	658	7,076	14,928	14,543	6,834	1,390	110	*
		Percent	53.7%	0.0%	3.1%	12.7%	33.0%	60.5%	72.8%	72.7%	67.1%	66.7%	**
	Unmarried	Count	38,352	71	1,922	4,492	14,175	9,429	5,185	2,419	618	37	*
		Percent	45.1%	100.0%	96.8%	87.0%	66.0%	38.2%	26.0%	25.7%	29.8%	22.4%	**
	Other[a]	Count	1,010†	0	*	16	213	309	241	144	63	18	*
		Percent	1.2%	0.0%	**	0.3%	1.0%	1.3%	1.2%	1.5%	3.0%	10.9%	**
	TOTAL	Count	84,963	71	1,985	5,166	21,464	24,666	19,969	9,397	2,071	165	9
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
White non-Hispanic	**Married**	Count	26,156	0	11	201	3,458	8,849	8,933	3,909	734	57	*
		Percent	68.4%	0.0%	3.0%	14.3%	43.6%	73.9%	83.2%	83.0%	74.4%	65.5%	**
	Unmarried	Count	11,564	8	353	1,203	4,362	2,966	1,703	736	216	14	*
		Percent	30.3%	100.0%	96.7%	85.4%	55.0%	24.8%	15.9%	15.6%	21.9%	16.1%	**
	Other	Count	500†	0	*	*	116	157	103	65	37	16	*
		Percent	1.3%	0.0%	**	**	1.5%	1.3%	1.0%	1.4%	3.7%	18.4%	**
	TOTAL	Count	38,220	8	365	1,408	7,936	11,972	10,739	4,710	987	87	8
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hispanic or Latino	**Married**	Count	13,802	0	45	400	2,927	4,368	3,672	1,947	409	34	0
		Percent	41.7%	0.0%	3.6%	14.3%	29.4%	49.0%	59.6%	61.0%	56.3%	73.9%	0.0%
	Unmarried	Count	18,886	47	1,199	2,379	6,940	4,437	2,388	1,186	297	12	*
		Percent	57.1%	100.0%	96.4%	85.3%	69.8%	49.7%	38.8%	37.1%	40.9%	26.1%	**
	Other	Count	387	0	0	10	80	117	100	60	20	0	0
		Percent	1.2%	0.0%	0.0%	0.4%	0.8%	1.3%	1.6%	1.9%	2.8%	0.0%	0.0%
	TOTAL	Count	33,075	47	1,244	2,789	9,947	8,922	6,160	3,193	726	46	*
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	**
Black or African American	**Married**	Count	1,680†	0	*	27	277	520	520	262	63	8	0
		Percent	35.5%	0.0%	**	7.1%	18.9%	39.8%	56.6%	61.6%	64.9%	100.0%	0.0%
	Unmarried	Count	3,010	6	120	352	1,181	776	388	156	31	0	0
		Percent	63.7%	100.0%	98.4%	92.9%	80.7%	59.4%	42.3%	36.7%	32.0%	0.0%	0.0%
	Other	Count	40†	0	0	0	6	11	10	7	*	0	0
		Percent	0.8%	0.0%	0.0%	0.0%	0.4%	0.8%	1.1%	1.6%	**	0.0%	0.0%
	TOTAL	Count	4,726	6	122	379	1,464	1,307	918	425	97	8	0
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
American Indian or Alaska Native	**Married**	Count	1,080†	0	*	15	225	348	305	143	37	*	0
		Percent	19.6%	0.0%	**	2.9%	12.7%	23.7%	33.0%	34.0%	37.4%	**	0.0%
	Unmarried	Count	4,336	8	242	508	1,544	1,102	598	268	59	7	0
		Percent	79.2%	100.0%	99.6%	96.9%	86.8%	75.0%	64.7%	63.8%	59.6%	63.6%	0.0%
	Other	Count	60†	0	0	*	9	19	21	9	*	*	0
		Percent	1.2%	0.0%	0.0%	**	0.5%	1.3%	2.3%	2.1%	**	**	0.0%
	TOTAL	Count	5,476	8	243	524	1,778	1,469	924	420	99	11	0
		Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
Asian or Pacific Islander	**Married**	Count	2,890†	0	*	15	189	843	1,113	573	147	9	0
		Percent	83.4%	0.0%	**	22.7%	55.8%	84.6%	90.6%	88.3%	90.7%	69.2%	0.0%
	Unmarried	Count	560†	*	8	50	148	148	108	73	15	*	0
		Percent	16.0%	**	72.7%	75.8%	43.7%	14.9%	8.8%	11.2%	9.3%	**	0.0%
	Other	Count	20†	0	0	*	*	*	7	*	0	0	0
		Percent	0.5%	0.0%	0.0%	**	**	**	0.6%	**	0.0%	0.0%	0.0%
	TOTAL	Count	3,470†	*	11	66	339	996	1,228	649	162	13	0
		Percent	100.0%	**	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] May include the following: "Refused", "Yes, divorced" and "Unknown".

TABLE 1B-24
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF PREVIOUS LIVE BIRTHS, ARIZONA, 2013

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	**TOTAL**	84,963	70†	1,990†	5,170†	21,464	24,666	19,969	9,397	2,071	165	10†
	None	30,902	68	1810	4034	10135	7817	4844	1779	373	38	*
	1	25,170†	*	158	951	7163	7935	5980	2442	489	46	*
	2	15,354	0	13	158	3000	5179	4419	2124	428	32	*
	3	7,627	0	0	18	874	2333	2632	1461	302	6	*
	4 or more	5,870†	0	*	*	280	1389	2087	1588	477	42	*
	Unknown	50†	0	*	*	12	13	7	*	*	*	*
White non-Hispanic	**TOTAL**	38,220	10†	365	1,410†	7,936	11,972	10,739	4,710	987	90†	10†
	None	15,079	7	351	1190	4328	4680	3132	1133	230	24	*
	1	11,950†	*	13	192	2496	3942	3554	1422	298	28	*
	2	6,353	0	0	21	866	2177	2093	989	188	18	*
	3	2,880†	0	0	*	186	823	1186	572	107	*	*
	4 or more	1,937	0	0	0	53	344	769	592	164	14	*
	Unknown	20†	0	*	0	7	6	*	*	0	*	0
Hispanic or Latino	**TOTAL**	33,075	50†	1,240†	2,790†	9,947	8,922	6,160	3,193	726	50†	1
	None	10,913	45	1121	2119	4244	1995	947	347	87	8	0
	1	9,310†	*	111	565	3516	2888	1530	583	109	9	0
	2	6,648	0	10	91	1548	2259	1736	841	154	9	0
	3	3,540†	0	0	11	493	1085	1096	706	140	*	0
	4 or more	2,650†	0	*	*	143	689	849	716	234	16	0
	Unknown	20†	0	*	*	*	6	*	0	*	0	*
Black or African American	**TOTAL**	4,726	6	120†	380†	1,464	1,307	918	425	97	10†	0
	None	1,670†	6	108	288	667	320	182	88	8	*	0
	1	1,330†	0	12	73	462	415	230	104	26	*	0
	2	840†	0	*	15	229	271	212	91	25	0	0
	3	430†	0	0	*	75	167	119	56	15	0	0
	4 or more	450†	0	0	0	30	134	175	85	23	*	0
	Unknown	10†	0	*	*	*	0	0	*	0	0	0
American Indian or Alaska Native	**TOTAL**	5,476	8	240†	520†	1,778	1,469	924	420	100†	10†	0
	None	1,720†	8	220	382	681	268	120	38	*	*	0
	1	1,360†	0	21	111	608	379	164	66	13	*	0
	2	1,070†	0	*	30	326	390	219	81	18	*	0
	3	600†	0	0	*	112	226	165	74	21	0	0
	4 or more	722	0	0	0	51	205	256	161	42	7	0
	Unknown	0†	0	0	0	0	*	0	0	0	0	0
Asian or Pacific Islander	**TOTAL**	3,470†	0†	10†	70†	340†	996	1,228	649	162	10†	0
	None	1,520†	*	10	55	215	554	463	173	43	*	0
	1	1,220†	0	*	10	81	311	502	267	43	*	0
	2	440†	0	0	*	31	82	159	122	43	*	0
	3	178	0	0	0	8	32	66	53	19	0	0
	4 or more	110†	0	0	0	*	17	38	34	14	*	0
	Unknown	0†	0	0	0	*	0	0	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; totals include records with unknown number of previous live births.

TABLE 1B-25
CHANGES FROM 2003 TO 2013 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH BY AREA AND RACE/ETHNICITY

Characteristics[a]	Urban[b]			Rural			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change
Number of births	77,905	73,493	**-5.7**	12,848	11,470	**-10.7**	38,842	38,220	**-1.6**	39,101	33,075	**-15.4**	3,022	4,726	**56.4**	5,881	5,476	**-6.9**	2,524	3,466	**37.3**
Per 100 births:																					
Teenage mother[c]	12.4	8.2	**-34.0**	15.7	10.6	**-32.7**	7.6	4.7	**-38.7**	17.4	12.3	**-29.1**	18.2	10.7	-41.1	19.4	14.2	**-27.0**	4.2	2.3	**-45.7**
Unwed mother	40.4	44.1	**9.1**	46.0	52.0	**13.0**	25.1	30.3	**20.5**	52.7	57.1	**8.4**	62.7	63.7	1.6	72.4	79.2	**9.4**	16.3	16.0	**-1.6**
Early prenatal care[d]	76.5	82.1	**7.3**	70.0	76.3	**9.0**	86.8	87.4	**0.7**	65.8	76.2	**15.8**	75.7	78.2	3.3	68.8	68.7	**-0.2**	84.2	86.4	**2.6**
0-4 prenatal visits	7.0	4.7	**-32.3**	8.5	7.7	**-9.0**	2.9	2.8	**-4.5**	10.5	6.8	**-34.8**	7.6	6.0	-20.9	12.7	11.9	**-6.5**	4.5	3.3	**-26.9**
Births with risk factors reported	19.9	42.3	**112.8**	30.9	37.8	**22.2**	33.5	41.1	**22.7**	22.3	40.7	**82.5**	31.5	45.8	45.4	36.3	49.0	**34.9**	27.7	41.3	**49.3**
Births with complications reported	26.4	32.5	**23.0**	35.9	29.3	**-18.5**	30.0	31.5	**5.0**	25.4	32.4	**27.5**	27.5	31.8	15.6	29.7	32.6	**9.8**	29.6	34.1	**15.1**
Primary and repeat C-Section	22.8	28.1	**23.4**	21.4	25.8	**20.5**	24.2	28.4	**17.3**	21.1	26.7	**26.5**	25.5	31.4	23.3	19.2	24.0	**25.0**	25.6	33.2	**29.8**
Births with abnormal conditions reported	6.8	9.4	**38.0**	11.6	7.6	**-34.2**	8.4	9.4	**11.5**	6.8	8.9	**30.9**	8.5	10.3	21.2	5.8	7.2	**23.4**	6.8	10.6	**56.1**
LBW rate	7.0	6.8	**-2.6**	7.3	7.3	**-0.1**	6.9	6.4	**-6.8**	6.9	6.6	**-3.6**	11.7	11.1	-5.4	6.8	7.2	**5.5**	8.5	7.9	**-6.7**
Newborn intensive care	5.5	5.7	**3.7**	4.4	2.8	**-35.8**	6.2	5.3	**-13.8**	4.7	5.2	**10.5**	7.0	7.2	2.5	4.2	4.1	**-1.7**	5.6	5.5	**-2.1**
Births with congenital anomalies reported	0.8	0.7	**-11.9**	2.4	1.0	**-58.2**	1.0	0.7	**-31.2**	1.0	0.8	**-19.9**	1.0	0.9	**-13.2**	1.3	0.8	**-35.4**	1.0	0.5	**-48.1**
Preterm births (< 37 weeks)	10.6	9.1	**-14.3**	10.0	8.7	**-13.2**	11.0	8.4	**-23.9**	9.8	9.3	**-5.1**	14.4	11.8	-18.2	9.8	9.7	**-1.1**	10.8	8.9	**-17.2**
Births paid for by the AHCCCS[e]	50.0	52.9	**5.8**	53.4	60.1	**12.6**	29.2	35.8	**22.4**	72.2	72.8	**0.8**	59.3	69.9	17.8	53.4	68.5	**28.2**	24.8	29.3	**18.1**

Notes: [a] Per 100 live births; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; [c] Less than 20 years old; [d] Entered care in first trimester of pregnancy; [e] The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

TABLE 1B-26
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY, ARIZONA, 2013

		TOTAL	Urban[a]	Rural	Mother's race/ethnicity				
					White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
TOTAL		84,963	73,493	11,470	38,220	33,075	4,726	5,476	3,470†
Mother's age group	**<15**	70†	58	13	8	47	6	8	*
	15-17	1,985	1,667	318	365	1,244	122	243	11
	18-19	5,166	4,286	880	1,408	2,789	379	524	66
	20-24	21,464	17,902	3,562	7,936	9,947	1,464	1,778	339
	25-29	24,666	21,342	3,324	11,972	8,922	1,307	1,469	996
	30-34	19,969	17,769	2,200	10,739	6,160	918	924	1,228
	35-39	9,397	8,440	957	4,710	3,193	425	420	649
	40-44	2,071	1,871	200	987	726	97	99	162
	45+	172	156	16	94	46	8	11	13
	Unknown	0†	*	0	*	*	0	0	0
Payee for birth	**AHCCCS**	45,792	38,901	6,891	13,664	24,063	3,302	3,749	1,014
	IHS	1,080†	423	658	56	48	*	970	*
	Private insurance	34,996	31,564	3,432	22,894	7,768	1,303	697	2,334
	Self	2,954	2,493	461	1,531	1,148	111	50	114
	Unknown	140†	112	28	75	48	*	10	*
Mother's education	**<8**	1,895	1,782	113	127	1,547	129	30	62
	8	1,340	1,177	163	196	968	45	101	30
	9-11	11,691	9,901	1,790	2,322	7,422	593	1,216	138
	12	26,226	21,723	4,503	9,283	12,405	1,633	2,291	614
	13-16	34,684	30,440	4,244	20,008	9,397	1,975	1,658	1,646
	17+	8,625	8,013	612	5,948	1,232	327	153	965
	Unknown	502	457	45	336	104	24	27	11
Marital status	**Married**	45,605	40,263	5,342	26,156	13,802	1,679	1,076	2,892
	Unmarried	38,352	32,391	5,961	11,564	18,886	3,010	4,336	556
	Other/Unknown[b]	1,006	839	167	500	387	37	64	18
Weight gain	**None**	1,344	1,176	168	477	600	122	118	27
	1-15 pounds	11,592	9,771	1,821	3,797	5,540	799	1,070	386
	16-20 pounds	10,504	9,064	1,440	3,621	5,087	579	801	416
	21-24 pounds	7,126	6,225	901	2,978	2,997	343	451	357
	25-30 pounds	18,439	16,031	2,408	8,375	7,163	953	1,127	821
	31+ pounds	35,394	30,766	4,628	18,840	11,394	1,899	1,824	1,437
	Unknown	564	460	104	132	294	31	85	22
Substance use	**Drinker, nonsmoker**	196	169	27	97	37	18	37	7
	Smoker, nondrinker	3,616	2,795	821	2,599	551	295	134	37
	Smoker and drinker	132	104	28	63	34	10	25	0
	Nonsmoker and nondrinker	81,019	70,425	10,594	35,461	32,453	4,403	5,280	3,422

TABLE 1B-26 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY, ARIZONA, 2013

		TOTAL	Urban[a]	Rural	Mother's race/ethnicity				
					White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Length of gestation	**<37 weeks**	7,672	6,677	995	3,199	3,075	557	531	310
	37-41 weeks	76,992	66,579	10,413	34,866	29,925	4,144	4,910	3,147
	42+ weeks	254	207	47	136	62	23	25	8
	Unknown	50†	30	15	19	13	*	10	*
Weight at birth	**<1,000 grams**	433	380	53	169	175	54	18	17
	1,000-1,499	494	416	78	206	192	40	36	20
	1,500-2,499	4,922	4,217	705	2,084	1,832	429	339	238
	2,500-3,999	72,494	62,617	9,877	32,426	28,498	3,956	4,592	3,022
	4000+ grams	6,538	5,800	738	3,306	2,332	246	485	169
	Unknown	80†	63	19	29	46	*	6	0
Prenatal care	**No care**	1,179	929	250	272	690	63	131	23
	1st trimester	69,076	60,324	8,752	33,416	25,209	3,695	3,761	2,995
	2nd trimester	11,511	9,532	1,979	3,716	5,472	746	1,232	345
	3rd trimester	3,067	2,601	466	758	1,660	213	336	100
	Unknown	130†	107	23	58	44	9	16	*
Prenatal visits	**No visits**	1,179	929	250	272	690	63	131	23
	1-4 visits	3,191	2,553	638	786	1,574	221	519	91
	5-8 visits	11,457	9,376	2,081	3,773	5,297	693	1,312	382
	9-12 visits	39,379	34,545	4,834	17,293	15,883	2,271	2,323	1,609
	13+ visits	29,601	25,967	3,634	16,032	9,580	1,467	1,165	1,357
	Unknown	160†	123	33	64	51	11	26	*
Newborn intensive care	**Yes**	4,515	4,191	324	2,043	1,717	339	226	190
	No	80,413	69,300	11,113	36,142	31,358	4,387	5,250	3,276
	Unknown	40†	*	33	35	0	0	0	0
Obstetric procedures	**Amniocentesis**	180	159	21	102	40	9	18	11
	Electronic fetal monitoring	77,633	67,569	10,064	34,495	30,570	4,344	5,074	3,150
	Induction of labor	17,656	15,040	2,616	9,161	6,004	890	975	626
	Stimulation of labor	13,682	11,855	1,827	5,506	6,076	776	818	506
	Tocolysis	264	217	47	102	110	17	28	7
	Ultrasound	56,490	49,486	7,004	24,827	22,893	3,122	3,333	2,315
	Other	7,129	6,295	834	3,076	2,895	361	443	354
Method of delivery	**Vaginal**	60,125	51,742	8,383	26,856	23,800	3,165	4,041	2,263
	Vaginal after C-Section	1,149	1,032	117	493	429	71	110	46
	Primary C-Section	12,167	10,737	1,430	5,857	4,260	780	631	639
	Repeat C-Section	11,462	9,935	1,527	4,992	4,568	706	683	513
	Forceps	376	313	63	182	136	19	18	21
	Vacuum	2,600	2,078	522	1,266	942	152	82	158

TABLE 1B-26 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY, ARIZONA, 2013

		TOTAL	Urban[a]	Rural	Mother's race/ethnicity				
					White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Births with medical risk factors	**Total**	35,447	31,115	4,332	15,707	13,461	2,165	2,681	1,433
	Anemia	4,021	3,769	252	1,577	1,521	381	386	156
	Cardiac disease	282	269	13	169	76	17	10	10
	Lung disease	871	791	80	503	186	82	56	44
	Diabetes	4,862	4,333	529	1,663	2,018	234	610	337
	Genital herpes	950	878	72	545	257	87	40	21
	Hydramnios	1,136	994	142	500	416	67	95	58
	Hemoglobinopathy	20†	15	0	9	*	0	0	*
	Chronic hypertension	947	847	100	407	350	86	76	28
	Pregnancy associated hypertension	4,742	4,177	565	2,254	1,608	304	406	170
	Eclampsia	601	517	84	222	251	49	60	19
	Previous infant 4000+g	293	249	44	172	67	12	34	8
	Previous SGA infant	1,151	974	177	595	356	88	79	33
	Renal disease	120†	116	*	58	44	*	6	6
	RH sensitization	110†	100	13	72	33	6	0	*
	Uterine bleeding	190	166	24	89	52	18	18	13
	Incompetent cervix	168	161	7	77	53	16	8	14
	Other	26,397	23,094	3,303	11,526	10,373	1,607	1,826	1,065
Abnormal conditions of the newborn	**Total**	7,772	6,897	875	3,581	2,944	487	392	368
	Anemia	50†	47	7	21	18	*	10	*
	Birth injury	70†	67	7	46	21	*	*	*
	Fetal alcohol syndrome	0	0	0	0	0	0	0	0
	Hyaline membrane disease/RDS	210†	192	16	98	83	15	8	*
	Meconium aspiration syndrome	60†	46	14	27	25	*	*	*
	Assisted ventilation <30 min	739	514	225	420	222	31	36	30
	Assisted ventilation >30 min	337	284	53	149	130	24	19	15
	Newborn seizures	10†	9	*	*	*	*	*	*
	Other	6,997	6,333	664	3,141	2,715	462	342	337
Births with congenital anomalies	**Total**	633	518	115	263	265	41	46	18
	Anencephalus	10†	10	*	7	*	*	0	0
	Spina bifida/meningocele	20†	11	*	8	*	0	*	0
	Hydrocephalus	20†	15	*	7	*	*	*	0
	Microcephalus	0†	*	0	*	*	0	0	0
	Other CNS anomaly	20†	12	8	12	7	0	0	*
	Heart malformations	80†	68	8	34	31	*	*	*
	Other respiratory/circulatory	130†	115	16	25	85	13	*	*
	Rectal atresia/stenosis	0†	*	0	*	*	0	0	0
	Fistula/esophageal atresia	10†	6	*	*	*	0	*	*

TABLE 1B-26 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY REGION AND RACE/ETHNICITY, ARIZONA, 2013

		TOTAL	Urban[a]	Rural	Mother's race/ethnicity				
					White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
	Omphalocele/gastroschisis	20†	19	*	12	8	0	*	0
	Other gastrointestinal	20†	15	*	9	7	0	*	0
	Malformed genitalia	10†	*	*	*	*	*	*	0
	Renal agenesis	10†	*	*	*	*	*	0	0
	Other urogenital anomalies	50†	40	6	20	22	*	*	*
	Cleft lip/palate	60†	43	16	21	21	*	12	*
	Polydactyly/Syndactyly/Adactyly	30†	19	8	15	6	*	*	0
	Club foot	50†	39	12	27	19	*	*	0
	Diaphragmatic hernia	0†	*	*	*	0	0	*	0
	Other muscosceletal	20†	16	7	7	11	*	*	*
	Down syndrome	40†	30	6	24	11	*	0	0
	Other chromosomal	30†	27	*	11	13	*	*	*
	Other	140†	110	28	65	45	14	9	*
Births with complications of labor	**Total**	27,211	23,856	3,355	12,034	10,709	1,502	1,785	1,181
	Febrile	1,582	1,522	60	626	664	84	91	117
	Meconium	4,724	4,259	465	1,904	2,035	305	297	183
	Rupture of membrane	1,841	1,594	247	833	624	108	184	92
	Abruption placenta	388	302	86	155	148	32	40	13
	Placenta previa	295	271	24	126	116	18	10	25
	Other bleeding	308	213	95	110	98	16	76	8
	Seizures	20†	15	*	7	7	*	*	*
	Precipitous labor	2,093	1,814	279	701	1,043	144	137	68
	Prolonged labor	670	533	137	344	166	33	89	38
	Dysfunctional labor	1,415	1,295	120	557	573	81	140	64
	Breech malpresentation	2,611	2,246	365	1,297	907	124	157	126
	Cephalopelvic disproportion	200†	152	51	98	72	12	17	*
	Cord prolapse	70†	64	10	34	28	*	6	*
	Anesthetic complications	30†	22	6	14	9	*	*	*
	Fetal distress	4,047	3,754	293	2,076	1,286	242	193	250
	Other	14,933	13,082	1,851	6,321	6,352	816	877	567

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; a Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see Technical Notes for more information; [b] "Refused", "yes, divorced", " unknown".

TABLE 1B-27
CHANGES FROM 2003 TO 2013 IN SELECTED CHARACTERISTICS OF NEWBORNS AND ARIZONA WOMEN GIVING BIRTH WHICH DIFFER BY PAYEE FOR THE DELIVERY

Characteristics[a]	AHCCCS[b]			Indian Health Service			Private Health Insurance			Self		
	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change	2003	2013	% Change
Number of births	45,833	45,792	**-0.1**	1,587	1,081	**-31.9**	39,736	34,996	**-11.9**	1,916	2,954	**54.2**
Per 100 births:												
Teenage mother[c]	20.3	13.3	**-34.5**	20.4	14.6	**-28.4**	4.2	2.2	**-47.6**	11.3	6.5	**-42.5**
Unwed mother	62.6	65.4	**4.5**	72.8	77.0	**5.7**	15.7	18.6	**18.8**	36.3	32.7	**-9.8**
Early prenatal care[d]	64.3	75.1	**16.8**	65.0	63.8	**-1.8**	90.2	91.4	**1.4**	60.3	64.4	**6.8**
0-4 prenatal visits	10.7	6.8	**-36.3**	11.9	16.5	**38.4**	1.9	1.3	**-32.9**	22.2	20.3	**-8.7**
Births with risk factors reported	25.3	42.6	**68.3**	41.3	45.7	**10.6**	31.0	41.1	**32.5**	28.5	35.4	**24.2**
Births with complications reported	26.3	31.9	**21.2**	38.0	34.4	**-9.4**	29.0	32.3	**11.3**	24.3	30.7	**26.2**
Primary and repeat C-Section	20.5	26.1	**27.5**	18.1	22.3	**23.2**	25.5	30.9	**21.0**	15.6	19.9	**27.8**
Births with abnormal conditions reported	7.2	9.5	**32.1**	5.9	5.8	**-1.2**	7.7	8.7	**13.4**	8.2	9.7	**18.1**
LBW rate	7.4	7.3	**-0.8**	5.3	5.3	**-0.5**	6.6	6.4	**-3.0**	7.4	5.8	**-22.2**
Newborn intensive care	5.0	5.5	**10.9**	1.7	3.0	**74.1**	5.9	5.1	**-13.7**	5.9	4.9	**-16.2**
Births with congenital anomalies reported	1.0	0.8	**-15.1**	2.3	0.7	**-67.8**	1.0	0.6	**-39.7**	1.1	0.8	**-23.1**
Preterm birth < 37 weeks	10.5	9.7	**-7.9**	7.1	7.9	**10.7**	10.5	8.3	**-20.9**	11.2	7.7	**-31.1**

Notes: [a] Per 100 live births; [b] The Arizona Health Care Cost Containment System is the State's Medicaid program; [c] Less than 20 years old; [d] Entered care in first trimester of

TABLE 1B-28
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2013

		TOTAL	Payee for birth				
			AHCCCS[a]	IHS	Private Insurance	Self	Unknown
TOTAL		84,963	45,792	1,080†	35,000†	2,950†	140†
Mother's age group	**<15**	70†	62	*	*	*	0
	15-17	1,985	1,658	60	189	73	*
	18-19	5,166	4,369	95	576	118	8
	20-24	21,464	15,437	340	5,058	595	34
	25-29	24,666	12,347	304	11,106	864	45
	30-34	19,969	7,427	184	11,521	813	24
	35-39	9,397	3,577	67	5,336	397	20
	40-44	2,071	842	23	1,122	82	*
	45+	170†	67	*	82	10	*
	Unknown	10†	6	0	*	*	*
Mother's race/ethnicity	**White non-Hispanic**	38,220	13,664	56	22,894	1,531	75
	Hispanic or Latino	33,075	24,063	48	7,768	1,148	48
	Black or African American	4,730†	3,302	*	1,303	111	*
	American Indian or Alaska Native	5,476	3,749	970	697	50	10
	Asian or Pacific Islander	3,470†	1,014	*	2,334	114	*
Mother's education	**<8**	1,895	1,705	18	113	56	*
	8	1,340	1,153	21	85	78	*
	9-11	11,691	10,258	280	782	359	12
	12	26,226	18,545	438	6,474	722	47
	13-16	34,684	12,913	290	20,095	1,344	42
	17+	8,625	918	25	7,311	362	9
	Unknown	502	300	9	136	33	24
Marital status	**Married**	45,605	15,054	242	28,292	1,952	65
	Unmarried	38,352	29,960	832	6,526	967	67
	Other/Unknown[b]	1,006	778	7	178	35	8
Weight gain	**None**	1,344	838	25	437	41	*
	1-15 pounds	11,592	7,506	227	3,468	376	15
	16-20 pounds	10,504	6,480	183	3,465	367	9
	21-24 pounds	7,126	3,765	81	3,053	214	13
	25-30 pounds	18,439	9,607	226	7,980	601	25
	31+ pounds	35,394	17,283	309	16,536	1,211	55
	Unknown	564	313	30	57	144	20
Substance use	**Drinker, nonsmoker**	200†	93	8	90	*	*
	Smoker, nondrinker	3,616	2,849	21	601	128	17
	Smoker and drinker	132	92	7	24	8	*
	Nonsmoker and nondrinker	81,019	42,758	1,045	34,281	2,815	120

TABLE 1B-28 (continued)
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2013

		TOTAL	Payee for birth				
			AHCCCS[a]	IHS	Private Insurance	Self	Unknown
Length of gestation	**<37 weeks**	7,672	4,428	85	2,906	228	25
	37-41 weeks	76,992	41,230	982	31,977	2,696	107
	42+ weeks	254	113	7	110	22	*
	Unknown	50†	21	7	*	8	6
Weight at birth	**<1,000 grams**	430†	239	*	175	15	*
	1,000-1,499	490†	283	*	186	18	*
	1,500-2,499	4,922	2,838	50	1,880	137	17
	2,500-3,999	72,494	39,185	923	29,764	2,519	103
	4000+ grams	6,538	3,199	96	2,974	258	11
	Unknown	80†	48	*	17	7	*
Prenatal care	**No care**	1,179	716	39	56	347	21
	1st trimester	69,076	34,404	690	32,003	1,903	76
	2nd trimester	11,511	8,339	253	2,459	443	17
	3rd trimester	3,067	2,264	93	457	248	*
	Unknown	130	69	6	21	13	21
Prenatal visits	**No visits**	1,179	716	39	56	347	21
	1-4 visits	3,191	2,404	139	390	252	6
	5-8 visits	11,457	7,816	293	2,920	413	15
	9-12 visits	39,379	21,434	406	16,393	1,093	53
	13+ visits	29,601	13,336	199	15,211	833	22
	Unknown	160†	86	*	26	16	23
Newborn intensive care	**Yes**	4,515	2,540	32	1,781	146	16
	No	80,413	43,237	1,048	33,206	2,799	123
	Unknown	40†	15	*	9	9	*
Obstetric procedures	**Amniocentesis**	180†	79	6	92	*	*
	Electronic fetal monitoring	77,633	42,768	997	31,692	2,101	75
	Induction of labor	17,656	8,988	176	8,084	396	12
	Stimulation of labor	13,682	8,080	155	4,946	485	16
	Tocolysis	264	138	6	104	16	0
	Ultrasound	56,490	30,584	464	23,496	1,883	63
	Other	7,129	3,559	90	3,304	165	11
Method of delivery	**Vaginal**	60,125	33,137	813	23,758	2,310	107
	Vaginal after C-Section	1,149	654	24	413	55	*
	Primary C-Section	12,167	5,752	121	5,968	309	17
	Repeat C-Section	11,462	6,216	120	4,834	280	12
	Forceps	376	196	6	155	17	*
	Vacuum	2,600	1,385	17	1,115	76	7

TABLE 1B-28 (continued)
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2013

		TOTAL	Payee for birth				
			AHCCCS[a]	IHS	Private Insurance	Self	Unknown
Births with medical risk factors	**Total**	35,447	19,498	494	14,371	1,046	38
	Anemia	4,021	2,445	62	1,408	100	6
	Cardiac disease	280†	141	*	133	6	*
	Lung disease	870†	405	*	450	13	0
	Diabetes	4,862	2,659	116	1,978	104	*
	Genital herpes	950†	434	*	494	17	0
	Hydramnios/oligohydramnios	1,136	570	14	508	44	0
	Hemoglobinopathy	20†	*	0	10	*	0
	Chronic hypertension	947	462	16	451	18	0
	Pregnancy associated hypertension	4,742	2,424	64	2,143	109	*
	Eclampsia	601	365	10	209	17	0
	Previous infant 4000+g	293	124	13	139	13	*
	Previous SGA infant	1,151	647	12	457	29	6
	Renal disease	120†	70	*	45	*	0
	RH sensitization	113	55	0	58	0	0
	Uterine bleeding	190†	94	*	92	*	0
	Incompetent cervix	170†	69	*	93	*	0
	Other	26,397	15,039	299	10,212	825	22
Abnormal conditions of the newborn	**Total**	7,772	4,354	63	3,057	286	12
	Anemia	50†	39	*	11	*	0
	Birth injury	70†	29	0	42	*	*
	Fetal alcohol syndrome	0	0	0	0	0	0
	Hyaline membrane disease/RDS	208	135	0	67	6	0
	Meconium aspiration syndrome	60†	28	*	24	*	*
	Assisted ventilation <30 min	739	358	12	322	46	*
	Assisted ventilation >30 min	340†	189	*	127	19	*
	Newborn seizures	10†	*	*	*	*	0
	Other	6,997	3,984	50	2,712	243	8
Births with congenital anomalies	**Total**	633	389	8	211	25	0
	Anencephalus	10†	*	0	8	0	0
	Spina bifida/meningocele	20†	12	0	*	0	0
	Hydrocephalus	20†	9	0	6	*	0
	Microcephalus	0†	*	0	*	0	0
	Other CNS anomaly	20†	14	0	*	*	0
	Heart malformations	80†	41	*	30	*	0
	Other respiratory/circulatory	130†	114	*	8	8	0
	Rectal atresia/stenosis	0†	0	0	*	0	0

TABLE 1B-28 (continued)
PAYEE FOR DELIVERY AND SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH, ARIZONA, 2013

		TOTAL	Payee for birth				
			AHCCCS[a]	IHS	Private Insurance	Self	Unknown
	Fistula/esophageal atresia	10†	*	0	*	0	0
	Omphalocele/gastroschisis	20†	14	0	7	*	0
	Other gastrointestinal anomalies	20†	12	*	*	*	0
	Malformed genitalia	10†	*	0	*	0	0
	Renal agenesis	10†	*	0	*	0	0
	Other urogenital	50†	24	0	19	*	0
	Cleft lip/palate	60†	39	*	16	*	0
	Polydactyly/Syndactyly/Adactyly	30†	13	*	11	*	0
	Club foot	50†	30	0	19	*	0
	Diaphragmatic hernia	0†	*	0	*	0	0
	Other muscosceletal	20†	11	0	11	*	0
	Down syndrome	40†	21	0	14	*	0
	Other chromosomal	30†	19	0	9	*	0
	Other	140†	73	*	58	*	0
Births with complications of labor and/or delivery	**Total**	27,211	14,596	372	11,295	906	42
	Febrile	1,582	806	19	718	39	0
	Meconium	4,724	2,667	55	1,816	181	*
	Rupture of membrane	1,841	1,011	29	734	63	*
	Abruption placenta	388	223	7	136	21	*
	Placenta previa	300†	141	*	148	*	0
	Other bleeding	308	175	18	105	10	0
	Seizures	20†	13	*	*	*	0
	Precipitous labor	2,093	1,335	43	551	159	*
	Prolonged labor	670	307	20	314	28	*
	Dysfunctional labor	1,415	800	33	547	34	*
	Breech malpresentation	2,611	1,230	33	1,264	74	10
	Cephalopelvic disproportion	200†	114	*	76	8	0
	Cord prolapse	70†	45	*	26	*	0
	Anesthetic complications	30†	9	*	18	0	0
	Fetal distress	4,047	1,643	34	2,255	114	*
	Other	14,933	8,575	174	5,700	463	21

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program; [b] "Refused", "yes, divorced", "unknown".

TABLE 1B-29
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND PARTY PAYING FOR THE DELIVERY, ARIZONA, 2013

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	**AHCCCS**	45,792	62	1,658	4,369	15,437	12,347	7,427	3,577	842	67	6
	IHS	1,080†	*	60	95	340	304	184	67	23	*	0
	Private insurance	35,000†	*	189	576	5,058	11,106	11,521	5,336	1,122	82	*
	Self	2,950†	*	73	118	595	864	813	397	82	10	*
	Unknown	140†	0	*	8	34	45	24	20	*	*	*
	TOTAL	84,963	70†	1,985	5,166	21,464	24,666	19,969	9,397	2,071	170†	10†
White non-Hispanic	**AHCCCS**	13,664	7	276	1,084	4,727	4,079	2,305	920	232	28	6
	IHS	60†	0	0	*	20	20	7	*	0	*	0
	Private insurance	22,890†	*	76	294	2,941	7,368	7,919	3,535	708	51	*
	Self	1,531	0	11	19	231	481	495	241	46	6	*
	Unknown	80†	0	*	7	17	24	13	10	*	*	0
	TOTAL	38,220	10†	365	1,410†	7,936	11,972	10,739	4,710†	987	90†	10†
Hispanic or Latino	**AHCCCS**	24,063	45	1,104	2,487	8,045	6,073	3,763	2,053	465	28	0
	IHS	50†	0	*	*	13	12	10	*	*	*	0
	Private insurance	7,770†	*	77	209	1,564	2,532	2,133	1,009	230	13	0
	Self	1,150†	*	56	88	312	293	244	121	29	*	0
	Unknown	50†	0	*	*	13	12	10	8	*	0	*
	TOTAL	33,075	50†	1,240†	2,790†	9,947	8,922	6,160	3,190†	730†	50†	1
Black or African American	**AHCCCS**	3,300†	*	107	337	1,151	907	528	217	48	*	0
	IHS	10†	0	0	0	*	*	0	0	0	0	0
	Private insurance	1,300†	*	15	36	281	362	362	193	47	*	0
	Self	110†	0	0	6	27	33	28	15	*	0	0
	Unknown	10†	0	0	0	*	*	0	0	0	0	0
	TOTAL	4,730†	10†	122	379	1,460†	1,310†	918	425	100†	10†	0
American Indian or Alaska Native	**AHCCCS**	3,750†	*	164	411	1,312	989	559	251	55	*	0
	IHS	970†	*	55	87	303	269	167	61	22	*	0
	Private insurance	700†	*	20	23	146	190	189	102	22	*	0
	Self	50†	0	*	*	14	16	8	*	0	0	0
	Unknown	10†	0	0	0	*	*	*	*	0	0	0
	TOTAL	5,476	10†	240†	520†	1,778	1,469	924	420†	99	10†	0
Asian or Pacific Islander	**AHCCCS**	1,010†	*	7	50	202	299	272	136	42	*	0
	IHS	0†	0	0	0	0	*	0	0	0	0	0
	Private insurance	2,330†	0	*	14	126	654	918	497	115	9	0
	Self	110†	0	*	*	11	41	38	15	*	0	0
	Unknown	0†	0	*	0	0	0	0	*	0	0	0
	TOTAL	3,470†	0†	10†	70†	339	1,000†	1,228	649	160†	10†	0

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

TABLE 1B-30
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN, ARIZONA, 2013

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	**No care**	1,180†	*	54	98	403	294	190	98	29	8	*
	1st trimester	69,076	29	1,245	3,714	16,506	20,601	17,183	7,968	1,704	123	*
	2nd trimester	11,511	20	520	1,054	3,591	2,937	2,037	1,060	262	26	*
	3rd trimester	3,067	18	163	285	933	797	539	255	70	7	0
	Unknown	130†	*	*	15	31	37	20	16	6	*	0
	TOTAL	84,963	70†	1,985	5,166	21,464	24,666	19,969	9,397	2,071	165	10†
White non-Hispanic	**No care**	270†	0	7	7	80	70	57	33	13	*	*
	1st trimester	33,416	6	256	1,114	6,597	10,617	9,706	4,206	845	66	*
	2nd trimester	3,716	0	76	234	1,013	1,059	820	391	108	11	*
	3rd trimester	760†	*	25	47	234	212	143	70	20	*	0
	Unknown	60†	0	*	6	12	14	13	10	*	*	0
	TOTAL	38,220	10†	365	1,408	7,936	11,972	10,739	4,710	987	90†	10†
Hispanic or Latino	**No care**	690†	*	37	70	252	168	92	51	15	*	*
	1st trimester	25,209	19	774	1,951	7,340	7,063	4,926	2,531	569	36	0
	2nd trimester	5,472	14	328	590	1,831	1,275	853	470	105	6	0
	3rd trimester	1,660†	11	104	172	511	404	284	138	34	*	0
	Unknown	40†	*	*	6	13	12	*	*	*	0	0
	TOTAL	33,075	50†	1,244	2,789	9,947	8,922	6,160	3,193	726	50†	0†
Black or African American	**No care**	60†	0	*	9	20	16	12	*	0	0	0
	1st trimester	3,700†	*	80	272	1,117	1,018	766	354	82	*	0
	2nd trimester	750†	*	28	71	260	213	106	53	9	*	0
	3rd trimester	210†	*	12	26	66	56	33	13	*	0	0
	Unknown	10†	0	0	*	*	*	*	*	*	0	0
	TOTAL	4,726	10†	120†	379	1,464	1,307	918	430†	100†	10†	0
American Indian or Alaska Native	**No care**	130†	*	8	11	47	32	21	8	*	*	0
	1st trimester	3,760†	*	128	326	1,200	1,039	686	306	66	8	0
	2nd trimester	1,230†	*	85	150	424	290	173	81	25	*	0
	3rd trimester	340†	*	21	35	103	101	44	23	7	0	0
	Unknown	20†	0	*	*	*	7	0	*	0	0	0
	TOTAL	5,476	10†	243	524	1,778	1,469	924	420	100†	10†	0
Asian or Pacific Islander	**No care**	20†	0	0	*	*	8	8	*	0	0	0
	1st trimester	2,995	0	7	51	252	864	1,099	571	142	9	0
	2nd trimester	350†	*	*	9	63	100	85	65	15	*	0
	3rd trimester	100†	*	*	*	19	24	35	11	*	0	0
	Unknown	0†	0	0	0	*	0	*	0	*	0	0
	TOTAL	3,470†	0†	10†	70†	340†	996	1,228	650†	160†	10†	0

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

TABLE 1B-31
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND NUMBER OF PRENATAL VISITS, ARIZONA, 2013

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
All racial/ ethnic groups	**No visits**	1,180†	*	54	98	403	294	190	98	29	8	*
	1-4 visits	3,190†	11	132	302	1,045	868	520	242	66	*	*
	5-8 visits	11,457	24	454	995	3,459	3,010	2,230	1,028	238	19	0
	9-12 visits	39,379	14	900	2,473	9,971	11,357	9,345	4,372	867	77	*
	13+ visits	29,601	18	441	1,283	6,544	9,096	7,658	3,637	865	56	*
	Unknown	160†	*	*	15	42	41	26	20	6	*	0
	TOTAL	84,963	70†	1,985	5,166	21,464	24,666	19,969	9,397	2,071	170†	10†
White non-Hispanic	**No visits**	270†	0	7	7	80	70	57	33	13	*	*
	1-4 visits	790†	0	21	50	268	209	140	66	28	*	*
	5-8 visits	3,770†	*	66	221	973	1,106	904	395	96	7	0
	9-12 visits	17,290†	*	163	673	3,529	5,334	4,985	2,154	405	46	*
	13+ visits	16,030†	*	107	451	3,074	5,239	4,637	2,049	444	26	*
	Unknown	60†	0	*	6	12	14	16	13	*	*	0
	TOTAL	38,220	10†	365	1,408	7,936	11,972	10,739	4,710	987	90†	10†
Hispanic or Latino	**No visits**	690†	*	37	70	252	168	92	51	15	*	*
	1-4 visits	1,574	6	84	175	508	412	246	123	20	0	0
	5-8 visits	5,300†	15	261	546	1,765	1,293	884	442	88	*	0
	9-12 visits	15,883	9	589	1,363	4,799	4,289	2,972	1,526	315	21	0
	13+ visits	9,580	14	271	630	2,607	2,747	1,958	1,048	285	20	0
	Unknown	50†	*	*	*	16	13	8	*	*	0	0
	TOTAL	33,075	50†	1,244	2,789	9,947	8,922	6,160	3,193	726	50†	0†
Black or African American	**No visits**	60†	0	*	9	20	16	12	*	0	0	0
	1-4 visits	220†	*	6	29	75	62	31	13	*	0	0
	5-8 visits	690†	*	33	70	237	173	113	46	15	*	0
	9-12 visits	2,270†	*	51	177	736	639	423	198	43	*	0
	13+ visits	1,470†	*	30	93	394	412	338	163	35	*	0
	Unknown	10†	0	0	*	*	*	*	*	*	0	0
	TOTAL	4,726	10†	120†	379	1,464	1,307	918	430†	100†	10†	0
American Indian or Alaska Native	**No visits**	130†	*	8	11	47	32	21	8	*	*	0
	1-4 visits	520†	*	21	44	171	162	79	27	12	*	0
	5-8 visits	1,310†	*	91	149	431	345	198	72	21	*	0
	9-12 visits	2,320†	*	93	231	767	621	383	185	39	*	0
	13+ visits	1,170†	0	29	86	352	300	243	125	26	*	0
	Unknown	30†	0	*	*	10	9	0	*	0	0	0
	TOTAL	5,476	10†	243	524	1,778	1,469	924	420	100†	10†	0
Asian or Pacific Islander	**No visits**	20†	0	0	*	*	8	8	*	0	0	0
	1-4 visits	90†	*	0	*	23	23	24	13	*	0	0
	5-8 visits	380†	0	*	9	53	93	131	73	18	*	0
	9-12 visits	1,610†	0	*	29	140	474	582	309	65	6	0
	13+ visits	1,360†	*	*	23	117	398	482	252	75	*	0
	Unknown	0†	0	0	0	*	0	*	0	*	0	0
	TOTAL	3,470†	0†	10†	70†	340†	996	1,228	650†	160†	10†	0

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

TABLE 1B-32
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2013

		TOTAL	Prenatal care					Visits		
			No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
TOTAL		84,963	1,180†	69,076	11,511	3,070†	130†	4,370	80,437	160†
Mother's age group	**<15**	70†	*	29	20	18	*	14	56	*
	15-17	1,985	54	1,245	520	163	*	186	1,795	*
	18-19	5,166	98	3,714	1,054	285	15	400	4,751	15
	20-24	21,464	403	16,506	3,591	933	31	1,448	19,974	42
	25-29	24,666	294	20,601	2,937	797	37	1,162	23,463	41
	30-34	19,969	190	17,183	2,037	539	20	710	19,233	26
	35-39	9,397	98	7,968	1,060	255	16	340	9,037	20
	40-44	2,071	29	1,704	262	70	6	95	1,970	6
	45+	165	8	123	26	7	*	12	152	*
	Unknown	10†	*	*	*	0	0	*	6	0
Payee for birth	**AHCCCS**	45,792	716	34,404	8,339	2,264	69	3,120	42,586	86
	IHS	1,081	39	690	253	93	6	178	898	*
	Private insurance	34,996	56	32,003	2,459	457	21	446	34,524	26
	Self	2,954	347	1,903	443	248	13	599	2,339	16
	Unknown	140†	21	76	17	*	21	27	90	23
Mother's education	**<8**	1,895	61	1,281	429	120	*	165	1,727	*
	8	1,340	66	855	292	123	*	212	1,120	8
	9-11	11,691	362	8,019	2,489	801	20	1,285	10,383	23
	12	26,226	419	20,511	4,205	1,055	36	1,586	24,598	42
	13-16	34,684	185	30,250	3,470	753	26	880	33,765	39
	17+	8,625	24	7,879	544	167	11	122	8,492	11
	Unknown	502	62	281	82	48	29	120	352	30
Marital status	**Married**	45,605	271	39,798	4,405	1,080	51	1,208	44,334	63
	Unmarried	38,352	867	28,589	6,904	1,920	72	3,040	35,226	86
	Other/Unknown[a]	1,006	41	689	202	67	7	122	877	7
Weight gain	**None**	1,344	49	1,022	190	79	*	158	1,181	*
	1-15 pounds	11,592	201	8,591	2,018	763	19	1,029	10,545	18
	16-20 pounds	10,504	154	8,101	1,745	490	14	664	9,821	19
	21-24 pounds	7,126	59	5,841	1,001	218	7	264	6,854	8
	25-30 pounds	18,439	188	15,260	2,399	577	15	799	17,617	23
	31+ pounds	35,394	271	30,101	4,102	888	32	1,132	34,222	40
	Unknown	564	257	160	56	52	39	324	197	43
Substance use	**Drinker, nonsmoker**	196	13	144	23	15	*	28	167	*
	Smoker, nondrinker	3,616	169	2,525	708	193	21	490	3,104	22
	Smoker and drinker	132	16	65	35	13	*	35	95	*
	Nonsmoker and nondrinker	81,019	981	66,342	10,745	2,846	105	3,817	77,071	131

TABLE 1B-32 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2013

		TOTAL	Prenatal care					Visits		
			No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
Length of gestation	**<37 weeks**	7,672	288	6,003	1,056	295	30	913	6,726	33
	37-41 weeks	76,992	858	62,871	10,420	2,755	88	3,408	73,474	110
	42+ weeks	254	15	190	33	16	0	28	226	0
	Unknown	50†	18	12	*	*	12	21	11	13
Weight at birth	**<1,000 grams**	430†	25	356	48	*	*	129	302	*
	1,000-1,499	494	26	386	63	13	6	82	406	6
	1,500-2,499	4,922	118	3,875	729	183	17	436	4,468	18
	2,500-3,999	72,494	951	58,906	9,881	2,663	93	3,483	68,893	118
	4000+ grams	6,538	52	5,499	778	201	8	224	6,306	8
	Unknown	80†	7	54	12	*	*	16	62	*
Newborn intensive care	**Yes**	4,515	175	3,485	657	178	20	500	3,993	22
	No	80,413	976	65,591	10,854	2,885	107	3,842	76,438	133
	Unknown	40†	28	0	0	*	*	28	6	*
Obstetric procedures	**Amniocentesis**	180†	*	154	19	6	0	8	172	0
	Electronic fetal monitoring	77,633	993	62,992	10,692	2,859	97	3,906	73,611	116
	Induction of labor	17,656	70	14,614	2,402	555	15	514	17,127	15
	Stimulation of labor	13,682	175	10,733	2,145	614	15	647	13,017	18
	Tocolysis	264	8	211	34	11	0	26	238	0
	Ultrasound	56,490	629	46,018	7,780	1,989	74	2,828	53,575	87
	Other	7,129	75	5,760	1,031	255	8	342	6,776	11
Method of delivery	**Vaginal**	60,125	914	48,474	8,432	2,219	86	3,187	56,829	109
	Vaginal after C-Section	1,149	17	887	180	62	*	88	1,057	*
	Primary C-Section	12,167	111	10,235	1,432	362	27	469	11,671	27
	Repeat C-Section	11,462	137	9,433	1,457	424	11	626	10,821	15
	Forceps	376	6	297	58	15	0	15	361	0
	Vacuum	2,600	37	2,043	408	111	*	119	2,480	*
Births with medical risk factors	**Total**	35,447	772	27,077	5,683	1,867	48	2,654	32,739	54
	Anemia	4,021	64	3,042	669	241	*	257	3,759	*
	Cardiac disease	280†	*	235	37	7	0	12	270	0
	Lung disease	871	6	788	71	6	0	17	854	0
	Diabetes	4,862	16	4,022	669	153	*	150	4,710	*
	Genital herpes	950†	*	821	110	16	0	31	919	0
	Hydramnios/oligohydramnios	1,136	17	892	161	64	*	68	1,066	*
	Hemoglobinopathy	20†	0	14	*	0	0	*	14	0
	Chronic hypertension	947	13	774	127	33	0	46	901	0
	Pregnancy associated hypertension	4,742	70	3,868	646	155	*	248	4,490	*

TABLE 1B-32 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2013

		TOTAL	Prenatal care					Visits		
			No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
	Eclampsia	600†	*	449	107	41	0	41	560	0
	Previous infant 4000+g	290†	*	232	45	12	*	15	277	*
	Previous SGA infant	1,151	23	892	192	43	*	84	1,064	*
	Renal disease	120†	*	99	14	*	0	9	110	0
	RH sensitization	110†	*	90	15	*	0	9	104	0
	Uterine bleeding	190†	*	165	15	7	0	18	171	*
	Incompetent cervix	170†	6	144	16	*	0	20	148	0
	Other	26,397	703	19,446	4,571	1,634	43	2,334	24,016	47
Abnormal conditions of the newborn	**Total**	7,772	195	6,096	1,114	350	17	595	7,157	20
	Anemia	50†	*	39	10	*	*	6	47	*
	Birth injury	70†	*	62	8	*	*	*	71	*
	Fetal alcohol syndrome	0	0	0	0	0	0	0	0	0
	Hyaline membrane disease/RDS	210†	6	167	30	*	*	18	188	*
	Meconium aspiration syndrome	60†	*	46	7	*	0	8	52	0
	Assisted ventilation <30 min	739	17	573	108	40	*	50	688	*
	Assisted ventilation >30 min	337	24	243	52	18	0	45	292	0
	Newborn seizures	10†	0	7	*	0	0	0	10	0
	Other	6,997	177	5,477	1,009	319	15	547	6,433	17
Births with congenital anomalies	**Total**	633	19	443	131	37	3	58	571	4
	Anencephalus	10†	0	11	0	0	0	*	10	0
	Spina bifida/meningocele	20†	*	9	*	*	0	*	13	0
	Hydrocephalus	20†	*	9	*	*	0	*	14	0
	Microcephalus	0†	0	*	0	0	0	0	*	0
	Other CNS anomaly	20†	0	16	*	*	*	*	17	*
	Heart malformations	80†	*	54	16	*	0	*	72	0
	Other respiratory/circulatory	131	6	69	40	14	*	21	108	*
	Rectal atresia/stenosis	0†	0	*	*	0	0	0	*	0
	Fistula/esophageal atresia	10†	0	6	*	0	0	*	8	0
	Omphalocele/gastroschisis	20†	0	17	*	*	0	*	21	0
	Other gastrointestinal	20†	0	16	*	*	*	*	17	*
	Malformed genitalia	10†	0	*	*	0	0	*	*	0
	Renal agenesis	6	0	6	0	0	0	0	6	0
	Other urogenital	50†	*	27	10	6	*	6	39	*
	Cleft lip/palate	60†	*	42	14	*	0	*	57	0
	Polydactyly/Syndactyly/Adactyly	27	0	20	7	0	0	0	27	0
	Club foot	50†	*	35	11	*	0	7	44	0

TABLE 1B-32 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND WOMEN GIVING BIRTH BY LEVEL OF PRENATAL CARE, ARIZONA, 2013

		TOTAL	Prenatal care					Visits		
			No care	1st trimester	2nd trimester	3rd trimester	Un-known	Less than 5	5 or more	Un-known
	Diaphragmatic hernia	0†	*	*	0	0	0	*	*	0
	Other muscosceletal	20†	*	16	*	*	*	*	19	*
	Down syndrome	40†	*	29	6	0	0	*	34	0
	Other chromosomal	30†	*	18	7	0	*	*	24	*
	Other	140†	*	102	22	8	*	10	127	*
Births with complications	**Total**	27,211	587	21,117	4,190	1,282	35	1,881	25,290	40
	Febrile	1,582	22	1,270	214	73	*	59	1,520	*
	Meconium	4,724	162	3,540	761	254	7	408	4,310	6
	Rupture of membrane	1,841	46	1,470	263	60	*	160	1,680	*
	Abruption placenta	388	20	278	72	15	*	56	330	*
	Placenta previa	300†	*	255	28	8	*	13	280	*
	Other bleeding	308	12	231	50	13	*	30	276	*
	Seizures	20†	*	11	*	*	0	*	15	0
	Precipitous labor	2,093	116	1,349	418	205	*	275	1,811	7
	Prolonged labor	670	9	555	83	21	*	29	639	*
	Dysfunctional labor	1,415	20	1,144	194	57	0	65	1,350	0
	Breech malpresentation	2,611	45	2,143	324	96	*	175	2,432	*
	Cephalopelvic disproportion	200†	*	167	28	7	0	7	196	0
	Cord prolapse	70†	*	58	13	*	0	*	72	0
	Anesthetic complications	30†	0	24	*	*	0	*	26	0
	Fetal distress	4,047	62	3,406	462	110	7	178	3,862	7
	Other	14,933	325	11,286	2,509	796	17	1,120	13,792	21

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] "Refused", "yes, divorced", "unknown".

TABLE 1B-33
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2013

		TOTAL	Weight at birth			Length of gestation			
			<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
TOTAL		84,963	5,849	79,032	80†	7,672	76,992	250†	50†
Mother's age group	**<15**	71	7	64	0	10	61	0	0
	15-17	1,985	136	1,846	*	179	1,799	7	0
	18-19	5,166	380	4,780	6	465	4,685	10	6
	20-24	21,464	1,543	19,894	27	1,868	19,524	60	12
	25-29	24,666	1,562	23,080	24	2,102	22,476	73	15
	30-34	19,969	1,271	18,688	10	1,734	18,166	62	7
	35-39	9,397	717	8,673	7	993	8,365	36	*
	40-44	2,071	199	1,869	*	273	1,792	6	0
	45+	165	31	133	*	44	119	0	*
	Unknown	10†	*	*	*	*	*	0	0
Payee for birth	**AHCCCS**	45,792	3,360	42,384	48	4,428	41,230	113	21
	IHS	1,081	57	1,019	*	85	982	7	7
	Private insurance	34,996	2,241	32,738	17	2,906	31,977	110	*
	Self	2,954	170	2,777	7	228	2,696	22	8
	Unknown	140†	21	114	*	25	107	*	6
Mother's education	**<8**	1,895	129	1,762	*	209	1,678	8	0
	8	1,340	114	1,223	*	168	1,165	6	*
	9-11	11,691	854	10,825	12	1,217	10,439	25	10
	12	26,226	1,963	24,233	30	2,449	23,696	65	16
	13-16	34,684	2,151	32,507	26	2,822	31,740	112	10
	17+	8,625	565	8,057	*	698	7,891	36	0
	Unknown	500†	73	425	*	109	383	*	8
Marital status	**Married**	45,605	2,761	42,810	34	3,720	41,720	151	14
	Unmarried	38,352	2,998	35,307	47	3,806	34,417	101	28
	Other/Unknown[a]	1,010†	90	915	*	146	855	*	*
Weight gain	**None**	1,340†	182	1,158	*	222	1,119	*	*
	1-15 pounds	11,592	1,207	10,369	16	1,450	10,108	29	*
	16-20 pounds	10,504	881	9,613	10	1,144	9,321	35	*
	21-24 pounds	7,126	503	6,620	*	651	6,454	18	*
	25-30 pounds	18,439	1,159	17,265	15	1,539	16,833	58	9
	31+ pounds	35,394	1,833	33,537	24	2,547	32,734	106	7
	Unknown	564	84	470	10	119	423	6	16

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2013

		TOTAL	Weight at birth			Length of gestation			
			<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
Substance use	**Drinker, nonsmoker**	200†	20	175	*	26	169	*	0
	Smoker, nondrinker	3,620†	413	3,203	0	444	3,161	*	6
	Smoker and drinker	130†	30	102	0	35	94	*	*
	Nonsmoker and nondrinker	81,019	5,386	75,552	81	7,167	73,568	247	37
Prenatal care	**No care**	1,179	169	1,003	7	288	858	15	18
	1st trimester	69,076	4,617	64,405	54	6,003	62,871	190	12
	2nd trimester	11,511	840	10,659	12	1,056	10,420	33	*
	3rd trimester	3,067	198	2,864	*	295	2,755	16	*
	Unknown	130	25	101	*	30	88	0	12
Prenatal visits	**No visits**	1,179	169	1,003	7	288	858	15	18
	1-4 visits	3,191	478	2,704	9	625	2,550	13	*
	5-8 visits	11,457	1,291	10,153	13	1,706	9,724	25	*
	9-12 visits	39,379	2,265	37,084	30	3,067	36,216	90	6
	13+ visits	29,601	1,620	27,962	19	1,953	27,534	111	*
	Unknown	156	26	126	*	33	110	0	13
Newborn intensive care	**Yes**	4,515	2,203	2,308	*	2,558	1,946	7	*
	No	80,413	3,646	76,692	75	5,114	75,012	247	40
	Unknown	35	0	32	*	0	34	0	*
Obstetric procedures	**Amniocentesis**	180†	22	158	0	36	143	*	0
	Electronic fetal monitoring	77,633	5,444	72,127	62	7,138	70,283	191	21
	Induction of labor	17,656	798	16,842	16	760	16,826	70	0
	Stimulation of labor	13,682	643	13,028	11	1,006	12,633	41	*
	Tocolysis	260†	60	204	0	71	191	*	*
	Ultrasound	56,490	4,064	52,381	45	5,234	51,086	164	6
	Other	7,129	494	6,629	6	669	6,434	23	*
Method of delivery	**Vaginal**	60,125	2,976	57,094	55	4,172	55,738	184	31
	Vaginal after C-Section	1,149	85	1,064	0	99	1,043	6	*
	Primary C-Section	12,167	1,969	10,186	12	2,183	9,929	52	*
	Repeat C-Section	11,462	816	10,634	12	1,216	10,226	11	9
	Forceps	380†	24	352	0	26	349	*	0
	Vacuum	2,600	75	2,523	*	123	2,468	9	0

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2013

		TOTAL	Weight at birth			Length of gestation			
			<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
Births with medical risk factors	**Total**	35,447	3,432	31,987	28	4,446	30,886	93	22
	Anemia	4,021	362	3,657	*	473	3,535	12	*
	Cardiac disease	282	27	255	0	32	250	0	0
	Lung disease	870†	73	798	0	89	778	*	0
	Diabetes	4,862	373	4,487	*	637	4,213	11	*
	Genital herpes	950†	58	891	*	77	872	*	0
	Hydramnios/oligohydramnios	1,140†	224	910	*	213	920	*	0
	Hemoglobinopathy	20†	*	13	0	*	11	0	0
	Chronic hypertension	950†	153	793	*	200	744	*	0
	Pregnancy associated hypertension	4,740†	739	4,003	0	882	3,853	*	*
	Eclampsia	600†	172	429	0	214	386	*	0
	Previous infant 4000+g	290†	9	284	0	15	275	*	0
	Previous SGA infant	1,150†	225	926	0	288	861	*	*
	Renal disease	119	15	104	0	22	97	0	0
	RH sensitization	110†	9	104	0	12	100	*	0
	Uterine bleeding	190†	40	149	*	54	134	*	0
	Incompetent cervix	168	74	94	0	83	85	0	0
	Other	26,397	2,685	23,690	22	3,443	22,863	72	19
Abnormal conditions of the newborn	**Total**	7,772	1,402	6,360	10	1,707	6,024	30	11
	Anemia	54	16	37	*	21	33	0	0
	Birth injury	70†	*	72	0	6	66	*	*
	Fetal alcohol syndrome	0	0	0	0	0	0	0	0
	Hyaline membrane disease/RDS	208	105	103	0	134	74	0	0
	Meconium aspiration syndrome	60†	*	55	0	*	54	*	0
	Assisted ventilation <30 min	740†	113	625	*	156	578	*	*
	Assisted ventilation >30 min	340†	166	170	*	194	138	*	*
	Newborn seizures	10†	*	9	0	0	10	0	0
	Other	6,997	1,267	5,722	8	1,526	5,442	22	7
Births with congenital anomalies	**Total**	630†	160	469	4	188	441	3	1
	Anencephalus	10†	*	7	0	*	7	0	0
	Spina bifida/meningocele	20†	*	14	0	6	9	0	0
	Hydrocephalus	20†	*	12	0	9	7	0	0
	Microcephalus	0†	*	*	0	*	*	0	0

TABLE 1B-33 (continued)
SELECTED CHARACTERISTICS OF BIRTHS BY BIRTHWEIGHT AND GESTATIONAL AGE, ARIZONA, 2013

		TOTAL	Weight at birth			Length of gestation			
			<2,500 grams	2,500+ grams	Unknown	<37 weeks	37-41 weeks	42+ weeks	Unknown
	Other CNS anomaly	20†	*	14	*	*	14	0	*
	Heart malformations	76	21	55	0	20	56	0	0
	Other respiratory/circulatory	130†	52	77	*	67	62	*	*
	Rectal atresia/stenosis	0†	0	*	0	*	*	0	0
	Fistula/esophageal atresia	10†	*	*	0	*	*	0	0
	Omphalocele/gastroschisis	22	8	14	0	9	13	0	0
	Other gastrointestinal	19	9	10	0	9	9	0	*
	Malformed genitalia	10†	*	*	0	*	*	*	0
	Renal agenesis	6	0	6	0	0	6	0	0
	Other urogenital	46	6	40	0	6	39	0	*
	Cleft lip/palate	59	12	47	0	10	49	0	0
	Polydactyly/Syndactyly/Adactyly	30†	*	24	0	*	23	0	0
	Club foot	51	8	43	0	12	39	0	0
	Diaphragmatic hernia	0†	*	*	*	*	*	0	0
	Other muscosceletal	20†	*	22	0	*	19	*	*
	Down syndrome	36	9	27	0	14	22	0	0
	Other chromosomal	29	13	16	0	10	18	0	*
	Other	140†	30	108	0	30	107	*	0
Births with complications	**Total**	27,211	2,894	24,287	30	3,688	23,414	95	14
	Febrile	1,582	78	1,503	*	104	1,466	12	0
	Meconium	4,724	173	4,550	*	187	4,506	28	*
	Rupture of membrane	1,840†	606	1,232	*	908	931	*	0
	Abruption placenta	388	140	248	0	160	228	0	0
	Placenta previa	295	73	222	0	116	179	0	0
	Other bleeding	310†	42	266	0	52	253	*	*
	Seizures	20	6	14	0	10	10	0	0
	Precipitous labor	2,093	193	1,888	12	269	1,815	7	*
	Prolonged labor	670	36	633	*	43	619	8	0
	Dysfunctional labor	1,420†	75	1,338	*	84	1,326	*	0
	Breech malpresentation	2,610†	682	1,927	*	786	1,822	*	*
	Cephalopelvic disproportion	203	6	197	0	9	194	0	0
	Cord prolapse	70†	15	59	0	15	58	*	0
	Anesthetic complications	30†	*	25	0	*	25	0	0
	Fetal distress	4,047	455	3,591	*	483	3,549	15	0
	Other	14,933	1,481	13,436	16	1,890	12,981	53	9

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] "Refused", "yes, divorced", "unknown".

TABLE 1B-34
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2013

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
TOTAL		84,963	71	1,985	5,166	21,464	24,666	19,969	9,397	2,071	165	9
Mother's race/ethnicity	**White non-Hispanic**	38,220	8	365	1,408	7,936	11,972	10,739	4,710	987	87	8
	Hispanic or Latino	33,075	47	1,244	2,789	9,947	8,922	6,160	3,193	726	46	*
	Black or African American	4,726	6	122	379	1,464	1,307	918	425	97	8	0
	American Indian or Alaska Native	5,476	8	243	524	1,778	1,469	924	420	99	11	0
	Asian or Pacific Islander	3,470†	*	11	66	339	996	1,228	649	162	13	0
Payee for birth	**AHCCCS**	45,792	62	1,658	4,369	15,437	12,347	7,427	3,577	842	67	6
	IHS	1,080†	*	60	95	340	304	184	67	23	*	0
	Private insurance	35,000†	*	189	576	5,058	11,106	11,521	5,336	1,122	82	*
	Self	2,950†	*	73	118	595	864	813	397	82	10	*
	Unknown	140†	0	*	8	34	45	24	20	*	*	*
Mother's education	**<8**	1,895	12	31	45	219	446	544	460	125	13	0
	8	1,340	33	109	97	308	318	284	139	46	6	0
	9-11	11,690†	25	1,494	1,617	3,604	2,488	1,500	782	178	*	0
	12	26,230†	0	320	2,781	9,639	7,213	4,070	1,765	410	28	0
	13-16	34,680†	0	17	612	7,375	11,849	9,694	4,213	869	53	*
	17+	8,630†	0	0	*	242	2,236	3,756	1,949	401	39	0
	Unknown	500†	*	14	12	77	116	121	89	42	23	7
Marital status	**Married**	45,610†	0	62	658	7,076	14,928	14,543	6,834	1,390	110	*
	Unmarried	38,352	71	1,922	4,492	14,175	9,429	5,185	2,419	618	37	*
	Other/Unknown[a]	1,010†	0	*	16	213	309	241	144	63	18	*
Weight gain	**None**	1,340†	0	15	62	347	407	287	182	42	*	*
	1-15 pounds	11,592	15	222	614	3,036	3,341	2,624	1,340	366	32	*
	16-20 pounds	10,504	10	275	631	2,731	2,981	2,378	1,211	263	22	*
	21-24 pounds	7,130†	*	145	396	1,743	2,129	1,686	841	174	8	0
	25-30 pounds	18,440†	*	400	1,110	4,503	5,369	4,451	2,093	464	44	0
	31+pounds	35,394	36	898	2,309	8,932	10,292	8,447	3,677	745	55	*
	Unknown	560†	*	30	44	172	147	96	53	17	*	*
Substance use	**Drinker, nonsmoker**	200†	0	*	*	41	58	51	33	*	0	0
	Smoker, nondrinker	3,620†	0	41	230	1,261	1,060	693	249	74	6	*
	Smoker and drinker	130†	0	*	6	37	41	33	8	*	*	0
	Nonsmoker and nondrinker	81,019	71	1,937	4,926	20,125	23,507	19,192	9,107	1,989	158	7
Length of gestation	**<37 weeks**	7,672	10	179	465	1,868	2,102	1,734	993	273	44	*
	37-41 weeks	76,992	61	1,799	4,685	19,524	22,476	18,166	8,365	1,792	119	*
	42+ weeks	250†	0	7	10	60	73	62	36	6	0	0
	Unknown	50†	0	0	6	12	15	7	*	0	*	0

TABLE 1B-34 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2013

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
Weight at birth	**<1,000 grams**	430†	*	11	26	121	119	90	47	18	0	0
	1,000-1,499	490†	0	12	35	118	134	113	59	19	*	0
	1,500-2,499	4,922	6	113	319	1,304	1,309	1,068	611	162	27	*
	2,500-3,999	72,494	61	1,771	4,527	18,574	21,035	16,903	7,794	1,704	121	*
	4000+ grams	6,540†	*	75	253	1,320	2,045	1,785	879	165	12	*
	Unknown	80†	0	*	6	27	24	10	7	*	*	*
Prenatal care	**No care**	1,180†	*	54	98	403	294	190	98	29	8	*
	1st trimester	69,076	29	1,245	3,714	16,506	20,601	17,183	7,968	1,704	123	*
	2nd trimester	11,511	20	520	1,054	3,591	2,937	2,037	1,060	262	26	*
	3rd trimester	3,067	18	163	285	933	797	539	255	70	7	0
	Unknown	130†	*	*	15	31	37	20	16	6	*	0
Prenatal visits	**No visits**	1,180†	*	54	98	403	294	190	98	29	8	*
	1-4 visits	3,190†	11	132	302	1,045	868	520	242	66	*	*
	5-8 visits	11,457	24	454	995	3,459	3,010	2,230	1,028	238	19	0
	9-12 visits	39,379	14	900	2,473	9,971	11,357	9,345	4,372	867	77	*
	13+ visits	29,601	18	441	1,283	6,544	9,096	7,658	3,637	865	56	*
	Unknown	160†	*	*	15	42	41	26	20	6	*	0
Newborn intensive care	**Yes**	4,515	9	101	260	1,157	1,240	1,006	550	169	21	*
	No	80,413	62	1,884	4,906	20,296	23,415	18,956	8,844	1,900	143	7
	Unknown	40†	0	0	0	11	11	7	*	*	*	0
Obstetric procedures	**Amniocentesis**	180†	0	*	9	38	49	45	24	11	0	0
	Electronic fetal monitoring	77,633	64	1,853	4,813	19,851	22,460	18,038	8,497	1,897	152	8
	Induction of labor	17,656	13	393	1,177	4,603	5,220	4,037	1,763	431	18	*
	Stimulation of labor	13,682	20	451	1,121	3,773	3,914	2,775	1,322	275	31	0
	Tocolysis	260†	0	8	12	76	73	57	27	11	0	0
	Ultrasound	56,490	42	1,348	3,446	14,174	16,123	13,358	6,426	1,447	121	*
	Other	7,129	7	185	475	1,792	1,957	1,755	779	166	10	*
Method of delivery	**Vaginal**	60,125	63	1,731	4,213	16,332	17,604	13,293	5,671	1,132	80	6
	Vaginal after C-Section	1,150†	0	*	20	183	358	376	174	35	*	0
	Primary C-Section	12,167	8	239	790	2,908	3,275	2,851	1,585	464	44	*
	Repeat C-Section	11,460†	0	13	138	2,027	3,408	3,433	1,965	439	39	0
	Forceps	380†	*	6	31	86	124	87	36	*	0	0
	Vacuum	2,600†	*	91	229	710	702	579	227	54	*	0
Births with medical risk factors	**Total**	35,447	49	976	2,116	8,456	9,562	8,096	4,898	1,190	99	5
	Anemia	4,020†	*	133	266	1,150	1,082	833	421	121	11	0
	Cardiac disease	280†	0	*	13	67	82	74	37	*	*	0
	Lung disease	870†	*	23	38	241	249	204	93	22	0	0
	Diabetes	4,860†	*	22	113	728	1,287	1,422	982	286	20	0

TABLE 1B-34 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2013

		TOTAL	Mother's age group								
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
	Genital herpes	950†	*	*	20	214	272	256	141	39	*	0
	Hydramnios/oligohydramnios	1,140†	0	22	55	238	305	281	179	52	*	*
	Hemoglobinopathy	20†	0	0	0	*	6	*	*	*	0	0
	Chronic hypertension	950†	0	*	21	108	235	288	211	69	8	*
	Pregnancy associated hypertension	4,742	7	102	295	1,081	1,327	1,160	604	156	9	*
	Eclampsia	600†	*	13	37	134	152	144	82	33	*	0
	Previous infant 4000+g	290†	0	0	*	40	90	98	47	11	*	0
	Previous SGA infant	1,150†	*	*	35	236	350	319	169	37	*	0
	Renal disease	120†	0	*	6	24	36	33	15	*	0	0
	RH sensitization	110†	*	*	*	23	32	35	16	*	0	0
	Uterine bleeding	190†	*	10	12	32	57	48	20	8	*	0
	Incompetent cervix	170†	0	0	8	33	48	49	24	6	0	0
	Other	26,397	46	844	1,709	6,444	6,895	5,667	3,765	945	78	*
Abnormal conditions of the newborn	**Total**	7,772	10	214	536	2,099	2,192	1,675	824	203	17	2
	Anemia	50†	0	*	6	14	13	10	8	*	0	0
	Birth injury	70†	0	0	*	11	21	29	8	*	0	0
	Fetal alcohol syndrome	0†	0	0	0	0	0	0	0	0	0	0
	Hyaline membrane disease/RDS	210†	*	*	11	70	64	36	14	*	*	0
	Meconium aspiration syndrome	60†	0	*	6	15	16	15	6	*	0	0
	Assisted ventilation <30 min	740†	*	17	47	154	220	181	89	27	*	0
	Assisted ventilation >30 min	340†	0	7	18	98	101	63	38	12	0	0
	Newborn seizures	10†	0	0	0	0	*	*	0	0	0	0
	Other	6,997	9	193	499	1,927	1,947	1,488	739	178	15	*
Births with congenital anomalies	**Total**	630†	0	21	30	155	167	149	79	29	2	1
	Anencephalus	10†	0	*	0	0	6	*	0	*	0	0
	Spina bifida/meningocele	20†	0	*	*	7	*	*	*	0	0	0
	Hydrocephalus	20†	0	*	*	*	*	*	*	0	0	0
	Microcephalus	0†	0	0	0	*	0	0	*	*	0	0
	Other CNS anomaly	20†	0	*	*	6	6	*	*	0	0	0
	Heart malformations	80†	0	*	*	21	19	17	13	*	0	0
	Other respiratory/circulatory	130†	0	*	*	33	35	29	14	10	0	*
	Rectal atresia/stenosis	0†	0	0	0	0	*	*	0	0	0	0
	Fistula/esophageal atresia	10†	0	0	*	*	0	*	0	*	0	0
	Omphalocele/gastroschisis	20†	0	*	*	11	*	*	0	0	0	0
	Other gastrointestinal	20†	0	0	*	7	*	*	*	0	0	0
	Malformed genitalia	10†	0	*	*	*	*	0	0	0	0	0
	Renal agenesis	10†	0	0	0	0	*	*	*	0	0	0
	Other urogenital	50†	0	0	*	13	16	10	*	0	*	0

TABLE 1B-34 (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY AGE GROUP, ARIZONA, 2013

		TOTAL	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
	Cleft lip/palate	60†	0	*	*	15	13	12	14	*	0	0
	Polydactyly/Syndactyly/Adactyly	30†	0	*	*	6	*	6	6	0	0	0
	Club foot	50†	0	0	*	12	14	15	7	*	0	0
	Diaphragmatic hernia	0†	0	*	*	*	0	*	0	0	0	0
	Other muscosceletal	20†	0	0	0	6	10	*	*	0	0	0
	Down syndrome	40†	0	0	0	6	9	9	8	*	0	0
	Other chromosomal	30†	0	*	*	*	9	8	*	*	0	0
	Other	140†	0	7	6	32	31	38	18	*	*	0
Births with complications of labor	**Total**	27,211	27	726	1,774	7,117	7,603	6,195	2,996	718	52	3
	Febrile	1,580†	*	74	161	503	399	292	119	30	*	0
	Meconium	4,724	6	159	350	1,277	1,344	1,051	436	94	7	0
	Rupture of membrane	1,840†	*	45	119	478	550	404	198	43	*	0
	Abruption placenta	390†	0	11	25	99	99	97	41	16	0	0
	Placenta previa	300†	0	*	*	33	72	91	65	22	*	0
	Other bleeding	310†	*	8	26	85	84	56	41	*	*	0
	Seizures	20†	*	*	*	6	*	*	*	*	*	0
	Precipitous labor	2,090†	*	62	101	487	579	511	290	54	*	*
	Prolonged labor	670†	0	19	55	182	186	152	58	18	0	0
	Dysfunctional labor	1,420†	0	46	136	424	398	252	117	38	*	0
	Breech malpresentation	2,610†	0	37	118	529	695	706	417	103	*	*
	Cephalopelvic disproportion	200†	0	7	20	54	52	47	22	*	0	0
	Cord prolapse	70†	0	*	*	19	18	18	10	*	0	0
	Anesthetic complications	30†	0	0	*	6	7	6	*	*	0	0
	Fetal distress	4,050†	*	91	247	923	1,136	981	517	144	6	0
	Other	14,933	19	412	1,063	4,202	4,171	3,205	1,471	362	26	*

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] "Refused", "yes, divorced", "unknown".

TABLE 1B-35
BIRTHS WITH CONGENITAL ANOMALIES MENTIONED ON BIRTH CERTIFICATE BY MOTHER'S RACE/ETHNICITY AND CHILD'S GENDER, ARIZONA, 2013

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	84,963	43,638	41,325	38,220	19,605	18,615	33,075	16,981	16,094	4,726	2,447	2,279	5,476	2,824	2,652	3,466	1,781	1,685
Births with congenital anomalies	633	354	279	263	150	113	265	139	126	41	27	14	46	27	19	18	11	7
Anencephalus	10†	*	7	10†	*	*	0†	*	*	0†	0	*	0	0	0	0	0	0
Spina bifida/meningocele	15	6	9	10†	*	*	0†	*	*	0	0	0	0†	0	*	0	0	0
Hydrocephalus	16	9	7	10†	*	*	10†	*	*	0†	*	0	0†	0	*	0	0	0
Microcephalus	0†	*	*	0†	*	*	0†	*	0	0	0	0	0	0	0	0	0	0
Other CNS anomaly	20	9	11	12	6	6	10†	*	*	0	0	0	0	0	0	0†	0	*
Heart malformations	76	43	33	34	16	18	31	19	12	10†	*	0	0†	*	*	0†	*	*
Other respiratory/circulatory anomalies	131	74	57	25	15	10	85	46	39	13	7	6	10†	*	0	0†	*	*
Rectal atresia/stenosis	0†	*	0	0†	*	0	0†	*	0	0	0	0	0	0	0	0	0	0
Tracheo-esophageal fistula/esophageal atresia	10†	*	*	0†	*	*	0†	*	*	0	0	0	0†	0	*	0†	*	0
Omphalocele/gastroschisis	22	9	13	10†	7	*	10†	*	6	0	0	0	0†	0	*	0	0	0
Other gastrointestinal anomalies	19	8	11	10†	*	*	10†	*	*	0	0	0	0†	*	*	0	0	0
Malformed genitalia	10†	*	*	0†	*	0	0†	*	*	0†	*	0	0†	*	*	0	0	0
Renal agenesis	10†	*	*	0†	*	*	0†	*	*	0†	*	0	0	0	0	0	0	0
Other urogenital anomalies	46	37	9	20	14	6	20†	19	*	0†	*	0	0†	*	0	0†	*	0
Cleft lip/palate	59	36	23	21	15	6	21	11	10	0†	*	0	12	6	6	0†	*	*
Polydactyly/Syndactyly/Adactyly	27	18	9	15	9	6	10†	*	*	0†	*	0	10†	*	0	0	0	0
Club foot	51	31	20	27	16	11	19	12	7	0†	*	*	0†	*	*	0	0	0
Diaphragmatic hernia	0†	*	0	0†	*	0	0	0	0	0	0	0	0†	*	0	0	0	0
Other muscosceletal/integumental anomalies	23	11	12	10†	*	*	10†	6	*	0†	*	*	0†	*	*	0†	0	*
Down syndrome	36	21	15	24	16	8	10†	*	6	0†	0	*	0	0	0	0	0	0
Other chromosomal anomalies	29	19	10	10†	7	*	10†	8	*	0†	*	0	0†	0	*	0†	*	0
Other congenital anomalies	138	68	70	65	33	32	45	19	26	10†	9	*	10†	*	*	10†	*	*
Ratio per 100 births[a]	**0.7**	**0.8**	**0.7**	**0.7**	**0.8**	**0.6**	**0.8**	**0.8**	**0.8**	**0.9**	**1.1**	**0.6**	**0.8**	**1.0**	**0.7**	**0.5**	**0.6**	**0.4**

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] For denominators see Table 5B-8.

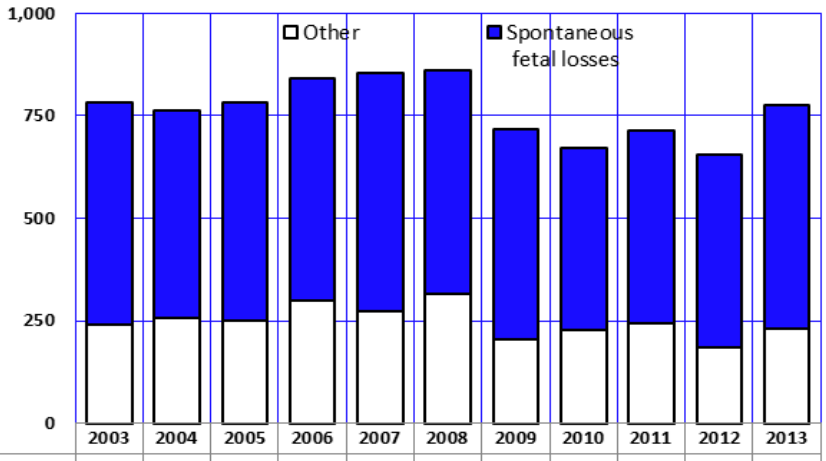


1C.

FETAL, PERINATAL, AND MATERNAL DEATHS

In Arizona, reportable fetal deaths are those after 20 completed weeks of gestation or if the fetus weighs more than 350 grams (*ARS 36-329*; *Arizona Administrative Code, R9-19-302*). In addition to spontaneous stillbirths, any induced termination of pregnancy at 20 or more weeks of gestation (or, if the gestation period is unknown, when the weight of the product of human conception is more than 350 grams) also requires the filing of a fetal death certificate.

Figure 1C-1
Trends in Fetal Deaths, Arizona, 2003-2013

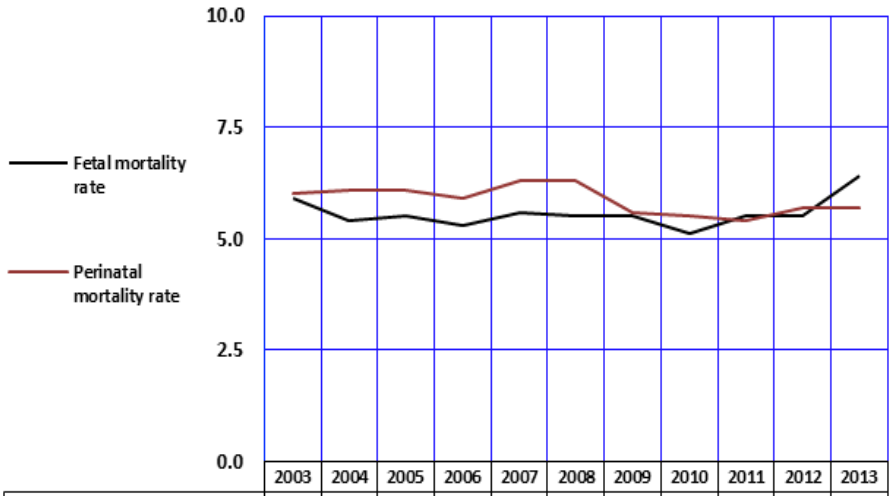


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
All reported*	781	763	781	841	855	860	717	671	714	654	775
Spontaneous fetal losses	539	505	532	543	583	544	511	443	470	470	545
Other	242	258	249	298	272	316	206	228	244	184	230

Note: All reported includes spontaneous and induced termination of pregnancy at 20 or more weeks of gestation or 350 grams or more and some stillbirths prior to 20 weeks and of any weight.

The number of all reported fetal deaths in Arizona (including late term abortions) in 2013 was 775, an 18.5 percent increase from 2012 (**Figure 1C-1**, **Table 1C-3**). In 2013, the annual number of reportable spontaneous fetal losses increased 16.0 percent from 2012, but remained lower than the recent high of 583 in 2007 (**Figure 1C-1**, **Table 1C-3**).

Figure 1C-2
Fetal[a] and Perinatal[b] Mortality Rates, Arizona, 2003 – 2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Fetal mortality rate	5.9	5.4	5.5	5.3	5.6	5.5	5.5	5.1	5.5	5.5	6.4
Perinatal mortality rate	6.0	6.1	6.1	5.9	6.3	6.3	5.6	5.5	5.4	5.7	5.7

Notes: [a] Rate is the number of events per 1,000 live births and fetal deaths. [b] Infant deaths of less than 7 days and fetal deaths with gestation of 28 weeks or more, per 1,000 live births and fetal deaths.

Perinatal mortality refers here to death of a fetus of at least 28 weeks gestational age, or of an infant less than 7 days old. The perinatal death rate per 1,000 live births and fetal deaths remained stable at 5.7/1,000 in 2012 and 2013 (**Figure 1C-2, Table 1C-3**).

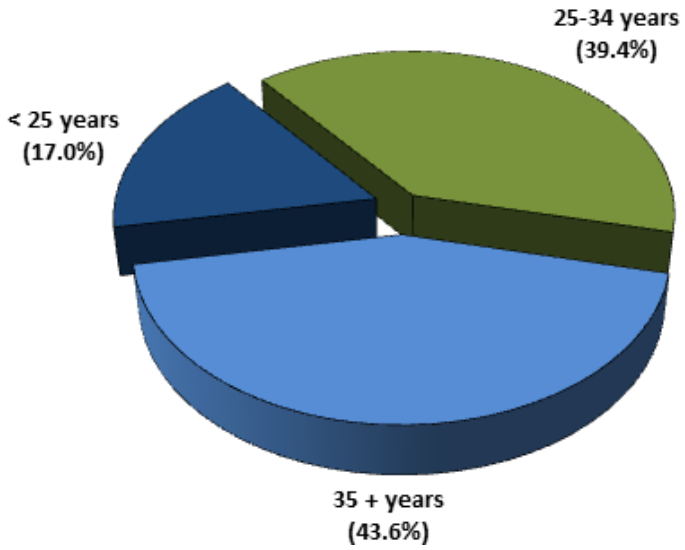
Early infant deaths accounted for 221 or 45.8 percent of the 483 perinatal deaths in 2013 (**Figure 1C-2**, **Table 1C-3**).

The fetal mortality rate of 6.4 fetal deaths at 20 or more weeks of gestation per 1,000 live births in 2013 was the highest rate in the past decade, while the actual number of reportable spontaneous fetal losses was lower than the recent high of 583 reportable spontaneous fetal loses occurring in 2007. The number of spontaneous fetal losses in 2013 (n = 545) was 16.0 percent greater than the 470 spontaneous fetal losses reported in 2011 and 2012.

In 2013, 9 women giving birth were reported to have died from maternal causes (**Table 1C-1**). The number of maternal deaths does not include all deaths occurring to pregnant women, but only those deaths assigned to causes related to or aggravated by pregnancy or pregnancy management.

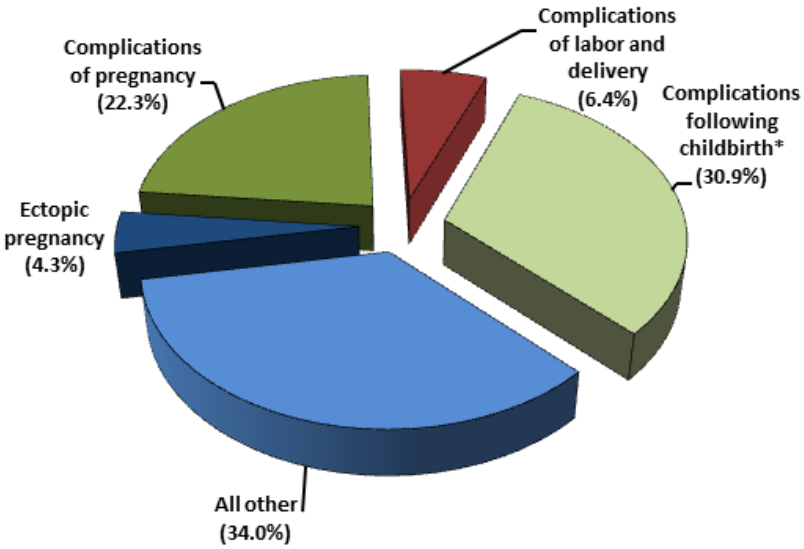
Based on the total number of 94 maternal deaths from 2003 to 2013, women age 35 and greater had the highest proportional contribution to maternal mortality (43.6 percent), followed by women age 25 - 34 (39.4 percent), and women age 24 and younger (17.0 percent; **Figure 1C-3**).

Figure 1C-3
Percent of Death from Maternal Causes by Mother's Age Group, Arizona, 2003 - 2013



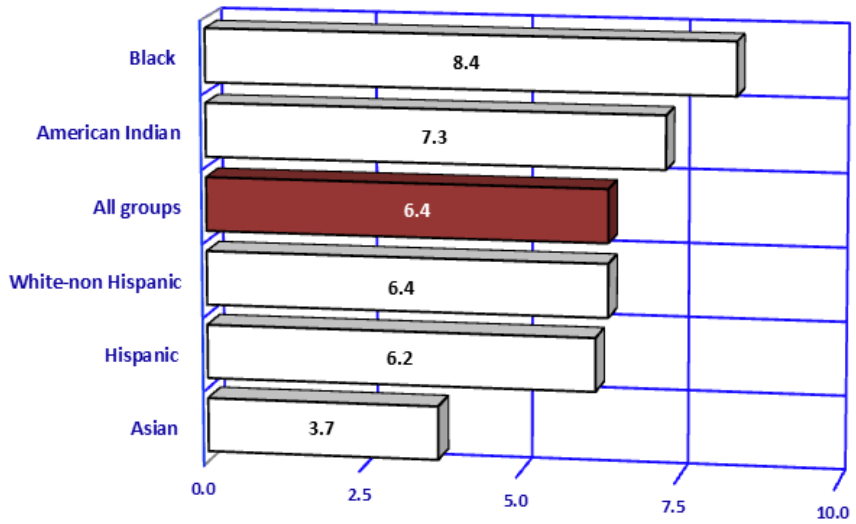
In the eleven-year period from 2003 to 2013, the major causes of maternal deaths in the State have included complications following childbirth (i.e. complications of the puerperium; 30.9 percent), complications mainly related to pregnancy (22.3 percent), complications occurring in the course of labor and delivery (6.4 percent), and ectopic pregnancy (4.3 percent). All other possible causes of maternal death accounted for 34.0 percent of the maternal deaths from 2003 to 2013 (**Figure 1C-4**, **Table 1C-2**).

Figure 1C-4
Causes of Maternal Mortality[a], Arizona, 2003 - 2013



Notes: [a] Based on the total number of maternal deaths from 2003 to 2013; * Complications of the puerperium.

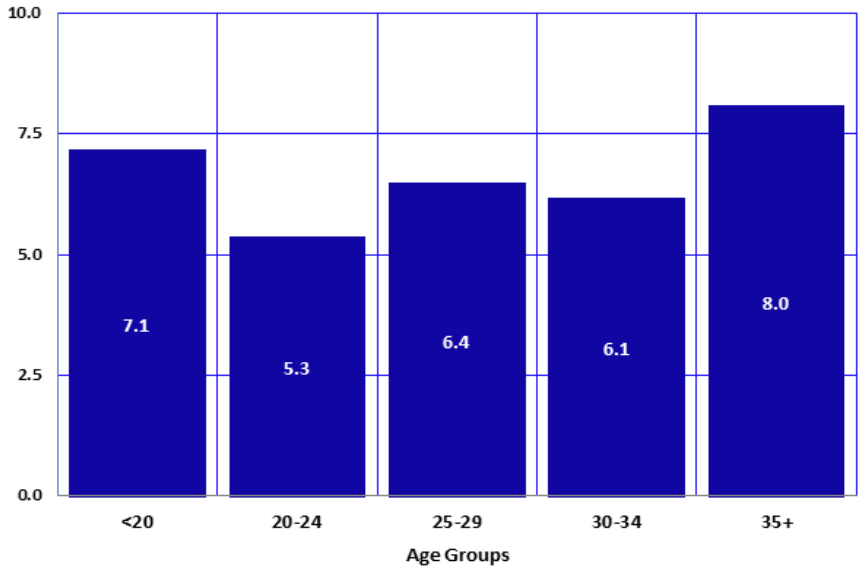
Figure 1C-5
Fetal Mortality Rates[a] by Race/Ethnicity, Arizona, 2013



Fetal mortality rates vary by the race/ethnicity of the mother (**Figure 1C-5**). The fetal mortality rate for Black or African American women was 8.4/1,000 live births and fetal deaths, the highest rate among the racial/ethnic groups. The 2013 fetal mortality rate was 7.3 for American Indian women, 6.4 for White non-Hispanic women, 6.2 for Hispanic or Latino women, and 3.7 for Asian women.

Note: [a] Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

Figure 1C-6
Fetal Mortality Rates[a] by Mother's Age Group, Arizona, 2013



Fetal mortality rates also vary by maternal age (**Figure 1C-6**). In 2013, fetal mortality rates were lowest for women aged 20-24 years and highest for those aged 35 years and older. The fetal mortality rate for mothers age 35 and older increased by 6.7 percent from 2012.

Note: [a] Rate is the number of fetal deaths per 1,000 live births and fetal deaths.

TABLE 1C-1
MATERNAL DEATHS[a] BY AGE GROUP AND YEAR, ARIZONA, 2003-2013

Year	Total maternal deaths	Under <15	15-19	20-24	25-29	30-34	35-39	40-44	45+
2003	10†	0	0	0	*	*	*	0	0
2004	0†	0	0	*	*	0	0	0	0
2005	10†	0	0	*	*	0	*	*	0
2006	10†	0	*	*	*	*	*	*	0
2007	10†	0	*	0	0	*	*	*	0
2008	10†	0	0	*	*	*	*	0	0
2009	10†	0	0	0	*	*	*	0	0
2010	10†	0	*	*	*	*	*	*	*
2011	10†	0	0	*	*	0	*	*	0
2012	20†	0	0	0	*	*	*	*	*
2013	10†	0	0	*	*	*	*	0	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Maternal deaths are those assigned to complications of pregnancy, childbirth and puerperium, category numbers 630-676 of the Ninth Revision, *International Classification of Diseases;* beginning in 2000, these are category codes O00-O99 according to the Tenth Revision of the *International Classification of Diseases.*

TABLE 1C-2
MATERNAL DEATHS BY CAUSE AND YEAR, ARIZONA, 2003-2013

Cause of death (ICD-9/ICD-10 codes)	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
PREGNANCY WITH ABORTIVE OUTCOME (630-636/O00-O07)	0	0	0	*	*	*	*	0	0	0	*
Ectopic pregnancy (633/O00)	0	0	*	*	*	*	0	0	0	0	0
COMPLICATIONS MAINLY RELATED TO PREGNANCY (640-648/O10-016)	*	0	0	0	*	*	*	*	*	*	*
COMPLICATIONS OCCURRING IN THE COURSE OF LABOR AND DELIVERY (660-669/O60-O75)	0	*	0	*	0	*	*	0	0	0	*
COMPLICATIONS OF THE PUERPERIUM[a] (670-676/O85-O92)	*	0	*	*	*	*	*	*	*	7	0
ALL OTHER	*	*	*	*	*	*	0	*	*	8	*
TOTAL	10†	0†	10†	10†	10†	10†	10†	10†	10†	20†	10†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Complications following childbirth; in parentheses are category codes from the Ninth Revision/Tenth Revision of the International Classification of Diseases.

TABLE 1C-3
FETAL AND PERINATAL DEATHS AND RATES BY YEAR, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
NUMBER OF ALL REPORTED FETAL DEATHS Include spontaneous and induced terminations of pregnancy at 20 or more weeks of gestation (or if gestational age unknown, the deaths of fetuses of at least 350 grams or more) and some stillbirths prior to 20 weeks and of any weight. Excludes fetal deaths occurring in Arizona to out-of-State residents.	781	763	781	841	855	860	717	671	714	654	775
NUMBER OF REPORTABLE FETAL DEATHS Include spontaneous and induced terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight)	628	581	597	690	729	724	621	581	619	588	554
NUMBER OF REPORTABLE SPONTANEOUS FETAL LOSSES Include spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), exclude induced terminations of pregnancy	539	505	532	543	583	544	511	443	470	470	545
RATE OF REPORTABLE SPONTANEOUS FETAL LOSSES[a]	**5.9**	**5.4**	**5.5**	**5.3**	**5.6**	**5.5**	**5.5**	**5.1**	**5.5**	**5.5**	**6.4**
NUMBER OF PERINATAL DEATHS:	550	590	588	599	649	632	524	483	465	487	483
Spontaneous fetal losses of 28 or more weeks of gestation	252	271	266	259	290	293	243	214	216	221	262
Infant deaths of less than 7 days	298	319	322	340	359	339	281	269	249	266	221
PERINATAL DEATH RATE[b]	**6.0**	**6.1**	**6.1**	**5.9**	**6.3**	**6.3**	**5.6**	**5.5**	**5.4**	**5.7**	**5.7**

Notes: [a] Per 1,000 live births + reportable spontaneous fetal losses of 20 or more weeks of gestation; [b] Per 1,000 live births + spontaneous fetal losses of 28 or more weeks of

TABLE 1C-4
SELECTED CHARACTERISTICS OF REPORTABLE SPONTANEOUS[a] FETAL LOSSES BY YEAR, ARIZONA, 2003-2013

Characteristic		Year										
		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total reportable spontaneous fetal losses		539	505	532	543	583	544	511	443	470	470	545
Gender	**Male**	296	231	262	286	300	295	262	229	218	239	260
	Female	240	270	268	252	277	246	244	208	245	222	256
	Unknown	*	*	*	*	*	*	*	6	7	9	29
Mother's race/ethnicity	**White non-Hispanic**	199	210	208	210	215	198	197	156	192	195	247
	Hispanic or Latino	246	214	232	244	267	234	204	198	181	181	205
	Black or African American	41	30	33	39	44	44	52	39	27	36	40
	Native	41	31	45	38	39	47	46	30	43	43	40
	Asian or Pacific Islander	8	17	11	10	17	19	11	17	27	15	13
	Unknown	*	*	*	*	*	*	*	*	0	0	0
Mother's age group	**<15**	*	*	0	*	*	*	0	*	0	*	0
	15-17	31	25	29	31	38	22	26	18	14	16	18
	18-19	55	50	44	49	46	49	40	33	35	37	34
	20-24	134	130	141	117	152	132	111	104	117	130	115
	25-29	140	106	125	138	144	141	126	114	111	100	159
	30-34	93	105	112	98	99	113	105	74	114	98	123
	35-39	62	67	58	73	81	63	76	75	56	58	79
	40-44	17	17	17	26	15	18	24	20	22	27	13
	45+	*	*	*	*	*	*	*	*	*	*	*
	Unknown	*	*	*	*	*	*	*	*	0	*	*
Gestational age[b]	**20-27 weeks**	285	254	263	284	292	250	264	227	255	248	282
	28+ weeks	252	249	266	259	290	293	243	214	215	221	262
	Unknown	*	*	*	0	*	*	*	*	0	*	*
Weight in grams	**<350 grams**	90	83	95	101	96	63	110	105	96	119	108
	350-499	95	83	79	106	83	54	69	66	80	68	73
	500-2,500	243	219	225	223	264	253	219	173	193	179	229
	2,501-3,999	86	84	102	88	108	103	89	74	80	87	103
	4,000+	12	21	13	13	19	9	13	20	11	14	6
	Unknown	13	15	18	12	13	62	11	*	10	*	26

Notes: * Cell suppressed due to non-zero count less than 6; [a] Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; [b] For statistical purposes, fetal deaths are classified according to gestational age; a death that occurs at 20 or more weeks of gestation constitutes a fetal death, and after 28 weeks it is considered a late fetal death.



1D.

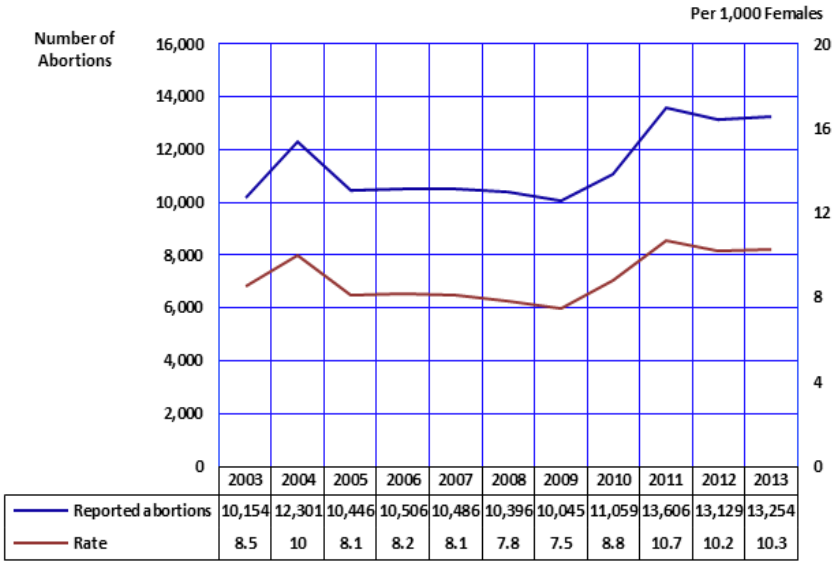
ABORTIONS

In July 1976, the Arizona Department of Health Services (ADHS) began an Abortion Surveillance Program (*Arizona Administrative Code, R9-19-302D*, as authorized by the *Arizona Revised Statute 36-344*). The program required the reporting of induced terminations of pregnancy performed in hospitals, outpatient treatment centers, and physicians' offices throughout the State.

In 2010, SB1304 was passed by the legislature that statutorily required the reporting of abortions and treatment of complications associated with abortions. In addition, the office of the Courts were required to report the number of petitions received by the court for authorization to perform abortions on unemancipated minors as prescribed in Arizona Revised Statutes §36-2152. The collection of this information was begun July 29, 2010.

Based on the information collected on race/ethnicity in the abortion reporting system, the racial/ethnic groups described in this section differ from that of other sections. In 2013, 14.6 percent (n = 1,933) of abortion records had race and ethnicity identified as unknown, and 32.1 percent (n = 4,257) of abortion records had two or more racial/ethnic group identified. Due to the large proportion of information on race/ethnicity that could not be categorized by the five racial/ethnic groups used through this report, this section reports numbers for records with unknown or multiple race information as separate groups.

Figure 1D-1
Number of Reported Abortions and Abortion Rates[a] by Year, Arizona Residents, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Reported abortions	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	13,606	13,129	13,254
Rate	8.5	10	8.1	8.2	8.1	7.8	7.5	8.8	10.7	10.2	10.3

In calendar year 2013, the Arizona Department of Health Services received 13,254 reports of abortions obtained by Arizona residents, 125 more than the 13,129 reported in 2012 (**Figure 1-D1**, **Table 1D-1**).

There were 13,023 abortions in non-hospital clinics (**Table 1D-1**). Hospitals accounted for 152 abortion procedures, with 79 procedures being performed outside of clinics and hospitals.

Ninety-one percent of all reported abortions occurred at or before 13 weeks of pregnancy. Few reported abortions occurred after 14 or more weeks of gestation: 8.9 percent at 14 weeks or more (percentages based on data in **Table 1D-3**).

Notes: [a] Number of abortions per 1,000 females 15-44 years old. The sharp increase in number of reported abortions and rates was due to enhanced surveillance as noted in the abortion report.

Figure 1D-2
Trends in the Number of Surgical and Non-Surgical Abortions by Year, Arizona Residents, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Non-surgical	2,435	3,572	3,078	3,088	3,761	3,993	5,018	4,983	5,108	4,198	3,731
Surgical	7,719	8,729	7,368	7,418	6,725	6,403	5,027	6,076	8,485	8,931	9,523
Total	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	13,606	13,129	13,254

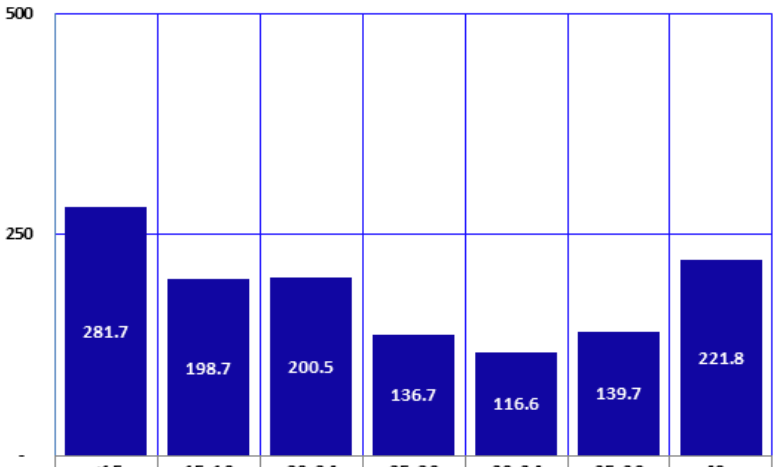
The rate of induced terminations of pregnancy per 1,000 female residents aged 15-44 increased slightly from 10.2 in 2012 to 10.3 in 2013 (**Table 1D-1**). The relative stability in the abortion ratios and rates from 2011 through 2013, when compared to the variability observed from 2010 to 2011, reflects the new reporting abortion requirements implemented mid-year in 2010.

Trends in the percent of abortions conducted through surgical and non-surgical means from 2003 to 2013 indicate shifting practices in methods used to complete abortions. In 2003, 76.0 percent of all abortion procedures were surgical procedures. By 2009, the number of abortions performed by surgical versus non-surgical means was nearly equal. Since then, the proportion of abortions conducted through surgical means has again increased, with 71.9 percent of all abortion procedures conducted in 2013 being surgical procedures.

Abortion ratios (the number of abortions per 1,000 live births in each age group) vary by age at reported termination of pregnancy. Ratios tend to be higher at the extremes of the age distribution of the childbearing period, i.e. among women under age 15 and those aged 40 years or older (**Figure-1D-3**).

A comparison of age-specific abortion ratios by race/ethnicity is provided in **Table 1D-5**.

Figure 1D-3
Abortion Ratios[a] by Age Group, Arizona Residents, 2013

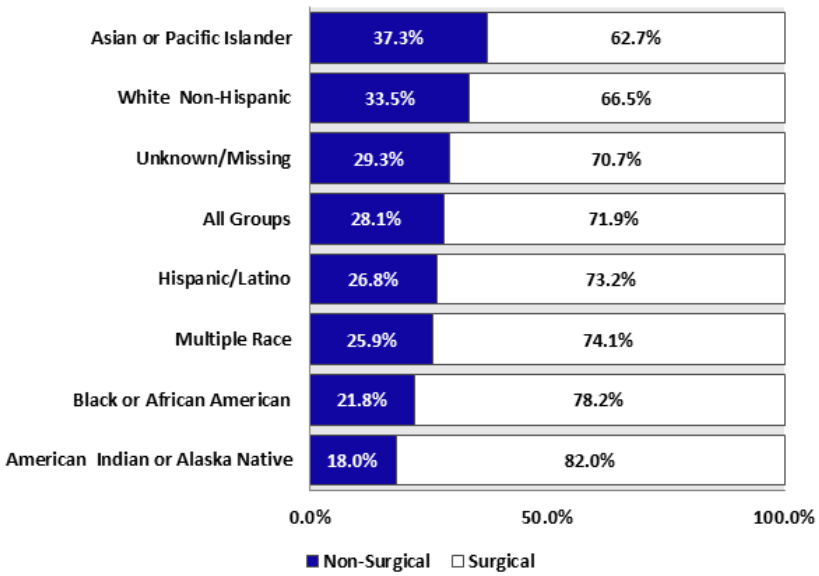


	<15	15-19	20-24	25-29	30-34	35-39	40+
Abortions	20	1,421	4,304	3,372	2,328	1,313	496
Births	71	7,151	21,464	24,666	19,969	9,397	2,236
Ratio	281.7	198.7	200.5	136.7	116.6	139.7	221.8

Notes: [a] Number of reported abortions per 1,000 live births in specified group.

In 2013, non-surgical (also called "medical") abortions made up 28.1 percent of all procedures reported in Arizona. Among Asians, White non-Hispanics, and cases with unknown or missing race/ethnicity, the proportion of non-surgical abortions exceeded the average for all groups (**Figure 1D-4**). The ratios of non-surgical abortions among American Indian women, Black or African American women, women reporting 2 or more racial/ethnic categories, and Hispanic or Latino women were the lowest among racial/ethnic groups.

Figure 1D-4
Proportional Contribution of Non-Surgical[a] and Surgical Abortions by Race/Ethnicity, Arizona Residents, 2013



Notes: [a] Non-surgical: Mifepristone, Methotrexate, RU486, etc.; Reporting changes related to race/ethnicity makes comparisons with previous years difficult.

TABLE 1D-1
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2003-2013

Characteristics	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ABORTIONS PERFORMED IN ARIZONA	10,316	12,690	10,723	10,836	10,721	10,660	10,271	11,438	14,401	13,340	13,401
RESIDENT ABORTIONS	10,154	12,301	10,446	10,506	10,486	10,396	10,045	11,059	13,606	13,129	13,254
RACE/ETHNICITY											
White non-Hispanic	4,887	5,276	4,431	5,106	5,202	4,737	4,759	5,241	2,385	1,904	2,515
Hispanic or Latino	3,441	4,485	3,112	3,160	3,719	3,124	3,303	3,422	4,274	3,393	4,189
Black or African American	495	723	585	581	675	744	736	476	145	116	189
American Indian or Alaska Native	357	341	353	342	310	297	300	218	48	38	61
Asian or Pacific Islander	272	444	379	391	454	412	390	254	47	75	110
Multiple race[a]	NA	NA	NA	NA	NA	NA	NA	NA	4,442	2,985	4,257
Unknown	702	1,032	1,586	926	126	1,082	557	1,448	2,265	4,618	1,933
AGE											
19 years and under	1,867	2,220	1,892	1,919	1,979	1,813	1,519	1,512	1,785	1,539	1,441
20-29 years	5,531	6,800	5,684	5,770	5,839	5,854	5,753	6,278	7,814	7,602	7,676
30 years and over	2,431	2,939	2,436	2,702	2,652	2,403	2,532	3,113	4,007	3,987	4,136
Not stated	325	342	434	115	16	326	241	156	NA	NA	*
YEARS OF EDUCATION											
Elementary/secondary (1-12)	2,444	3,321	1,435	6,226	9,293	6,964	5,244	4,316	4,757	3,615	2,400
College (1-4 or 5+)	1,889	2,726	1,330	1,415	1,193	2,565	3,372	3,199	2,252	2,518	2,522
Not stated or unknown	5,821	6,254	7,681	2,865	0	867	1,429	3,544	6,597	6,996	8,332
WEEKS OF GESTATION											
12 weeks or under	8,093	10,678	8,558	9,470	9,498	9,175	9,238	9,967	12,156	11,677	11,767
13 weeks or over	998	1,224	1,068	948	974	916	597	948	1,427	1,432	1,487
Not stated or unknown	1,063	399	820	88	14	305	210	144	23	20	0
FACILITY											
Clinic	9,158	12,281	10,442	10,560	10,486	10,391	9,362	9,689	14,358	13,072	13,023
Hospital	*	0	0	0	0	0	0	16	42	54	152
Other	995	20	*	0	0	*	683	[d]1354	0	*	79

TABLE 1D-1 (continued)
CHARACTERISTICS OF WOMEN RECEIVING ABORTIONS, ARIZONA, 2003-2013

Characteristics	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
PREVIOUS LIVE BIRTHS											
None	4,446	5,215	4,593	4,798	4,517	4,441	4,377	4,867	5,820	5,829	5,810
One or more	5,708	7,086	5,853	5,708	5,969	5,955	5,668	6,178	7,772	7,280	7,387
PREVIOUS ABORTIONS											
None	6,606	7,778	6,453	6,390	6,453	6,338	5,874	6,746	8,382	8,445	8,450
One or more	3,548	4,523	3,993	4,116	4,033	4,058	4,171	4,282	5,183	4,616	4,672
PREVIOUS SPONTANEOUS TERMINATIONS OF PREGNANCY											
None	8,780	10,454	8,916	8,864	8,807	8,756	8,424	9,300	11,257	10,941	10,825
One or more	1,374	1,847	1,530	1,642	1,679	1,640	1,621	1,643	2,301	2,108	2,283
NONSURGICAL ABORTIONS											
	2,435	3,572	3,078	3,088	3,761	3,993	5,018	4,983	5,108	4,198	3,720
ABORTION RATE[b]	**111.9**	**131.7**	**109.0**	**103.0**	**102.1**	**104.8**	**108.5**	**127.0**	**159.7**	**153.0**	**156.0**
ABORTION RATE[c]	**8.5**	**10.0**	**8.1**	**8.2**	**8.1**	**7.8**	**7.5**	**8.8**	**10.7**	**10.2**	**10.3**

Notes: *Cell suppressed due to count less than 6; [a] Multiple race data was not available for previous years (2001-2010); [b] Number of abortions per 1,000 women giving birth; [c] Number of abortions per 1,000 women of childbearing age (15 - 44 years old); [d] Outpatient Surgical Centers in 2010.

TABLE 1D-2
PROPORTION, RATES, AND RATIOS[a] OF ABORTIONS BY RACE/ETHNICITY PER YEAR, ARIZONA, 2003-2013

Race and Ethnicity	Year										
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013[e]
Percent of Abortions[b]											
White non-Hispanic	48.1	42.9	42.4	48.6	49.6	45.6	47.4	47.4	17.5	14.5	19.0
Hispanic or Latino	33.9	36.5	29.8	30.1	35.5	30.1	32.9	30.9	31.4	25.9	31.6
Black or African American	4.9	5.9	5.6	5.5	6.4	7.2	7.3	4.3	1.1	0.9	1.4
American Indian Alaska Native	3.5	2.8	3.4	3.3	3.0	2.9	3.0	2.0	0.4	0.3	0.5
Asian or Pacific Islander	2.7	3.6	3.6	3.7	4.3	4.0	3.9	2.3	0.4	0.6	0.8
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.7	22.7	32.1
Unknown	6.9	8.4	15.2	8.8	1.2	10.4	5.6	13.1	16.7	35.2	14.6
Abortion Rates[c]											
White non-Hispanic	6.9	7.7	5.7	7.2	7.3	6.5	6.4	8.2	3.7	2.9	3.8
Hispanic or Latino	10.2	12.9	8.6	8.1	9.2	7.6	8.0	8.1	10.0	7.6	9.2
Black or African American	11.8	17.7	13.0	10.3	12.7	13.8	13.3	8.5	2.5	2.0	3.2
American Indian Alaska Native	5.1	5.1	5.1	4.4	3.8	3.6	3.6	3.2	0.6	0.6	0.9
Asian or Pacific Islander	8.3	14.7	11.3	9.3	10.4	9.3	8.7	5.2	0.9	1.6	2.3
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA
Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA
Abortion Ratio[d]											
White non-Hispanic	126	134	112	119	123	113	115	135	62	49	66
Hispanic or Latino	88	110	74	70	81	73	86	100	129	102	126
Black or African American	164	225	170	150	162	173	168	110	33	24	40
American Indian Alaska Native	61	56	56	54	48	47	49	38	44	7	11
Asian or Pacific Islander	108	170	135	125	133	120	115	77	8	21	32
Multiple races	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA
Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA

Notes: [a] Number of resident abortions performed in Arizona per 1,000 resident live births in specified race/ethnicity group; [b] Proportion of total abortions by ethnicity and/or race represented as a percentage. Percentages are calculated using the total number of reported abortions as the denominator and the number of reported abortions for a specific ethnicity and/or race as the numerator. Percents do not add up to a 100 due to rounding errors, multiple race and unknown ethnicity/race categories; [c] Calculated using the number of abortions obtained by women, ages 15-44 in a given race and/or ethnic group per 1,000 women in the same group; [d] Calculated using the number of abortions obtained by women, ages 15-44 in a given race and/or ethnic group per 1,000 live births to women in the same group; [e] Beginning 2011, rates and ratios should be interpreted with caution due to the addition of the Multiple Race and Unknown categories. Single race selections are the best estimates for rates and ratios.

TABLE 1D-3
ABORTIONS BY WEEK OF GESTATION AND AGE GROUP, ARIZONA, 2013

Age	Gestational Age[a]					
	≤13 weeks		14 to 20 weeks		≥21 or more weeks	
	Count	Percent	Count	Percent	Count	Percent
<15 yrs	18	90.0	*	**	0	0.0
15-19 yrs	1,245	87.7	158	11.1	17	1.2
20-24 yrs	3,926	91.4	340	7.9	31	0.7
25-29 yrs	3,093	91.9	239	7.1	35	1.0
30-34 yrs	2,135	91.9	164	7.1	23	1.0
35-39 yrs	1,189	91.0	93	7.1	25	1.9
≥40 yrs	439	88.5	51	10.3	6	1.2
Totals	**12,045**	**91.0**	1,050†	**7.9**	137	**1.0**

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Totals do not add to 13,254 due to 25 unknown gestational age.

TABLE 1D-4
ABORTIONS BY WEEK OF GESTATION AND RACE/ETHNICITY, ARIZONA, 2013

Week of gestation	Total	Race/ethnicity						
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Multiple race	Unknown race
Total	13,254	2,515	4,189	190†	60†	110†	4,257	1,933
6 weeks or less	3,639	725	1,061	30	13	36	1,118	656
7	2,865	598	914	30	8	33	908	374
8	2,062	424	673	34	8	12	663	248
9	1,160†	198	371	21	9	*	402	155
10	910†	148	308	15	*	6	305	125
11	720†	109	250	13	*	*	255	89
12	380†	71	131	6	*	*	105	63
13	300†	43	118	*	*	*	103	32
14	270†	40	86	14	*	*	92	40
15	260†	29	77	7	*	*	91	50
16	150†	28	46	*	*	0	45	26
17	130†	16	37	*	*	*	52	21
18	90†	19	29	*	*	*	26	10
19	90†	18	26	0	*	0	29	15
20	50†	11	15	*	0	0	19	7
21+	140†	27	41	*	*	*	44	18
Unknown	30†	11	6	*	0	0	0	*

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

TABLE 1D-5
ABORTIONS DUE TO FETAL OR MATERNAL MEDICAL CONDITION, ARIZONA RESIDENTS, 2013

Maternal characteristics	Count (n =141)	Percent	Maternal characteristics	Count (n = 76)	Percent
Age			**Age**		
≤15-19 yrs	4	2.8	≤15-19 yrs	5	6.6
20-24 yrs	23	16.3	20-24 yrs	12	15.8
25-29 yrs	33	23.4	25-29 yrs	14	18.4
30-34 yrs	32	22.7	30-34 yrs	21	27.6
35-44 yrs	49	34.8	35-44 yrs	24	31.6
Gestational age			**Gestational age**		
≤ 13 weeks	40	28.4	≤13 weeks	40	52.6
14 to 20 weeks	72	51.1	14 to 20 weeks	15	19.7
≥ 21 weeks	26	18.4	21 weeks	5	6.6
Unknown	0	0.0	Unknown	16	21.1
Procedure Type			**Procedure Type**		
Surgical	125	88.7	Surgical	69	90.8
Non-Surgical/Medication	16	11.3	Non-Surgical	7	9.2
Facility Type			**Facility Type**		
Hospital	53	37.6	Hospital	74	97.4
Clinic	87	61.7	Clinic	2	2.6
Fetal Medical Conditions			**Maternal Medical Conditions**		
Birth Defects	48	34.0	Anatomical Abnormality	1	1.3
Fetal Demise	14	9.9	Chorioamnionitis	4	5.3
Fetal-related Spontaneous Abortion	8	5.7	Ectopic Pregnancy	19	25.0
Hydrops	3	2.1	HELLP or Preeclampsia	4	5.3
Lethal Anomalies	2	1.4	Retained Product of Conception/ Incomplete Abortion/Blighted Ovum	33	43.4
Multiple Anomalies	3	2.1	Molar/Partial Pregnancy	2	2.6
Twin Abnormality	2	1.4	Premature rupture of Membranes	4	5.3
Other/Unspecified	8	5.7	Other/Unspecified	5	6.6

Note: * Cell suppressed due to count less than 6.

CHAPTER 2

TRENDS AND PATTERNS IN MORTALITY, ARIZONA, 2003-2013

2A. TOTAL MORTALITY

2B. LEADING CAUSES OF DEATH

2C. AGE-SPECIFIC MORTALITY

- INFANT MORTALITY
- CHILDHOOD MORTALITY
- ADOLESCENT MORTALITY
- YOUNG ADULT MORTALITY
- MIDDLE-AGED ADULT MORTALITY
- ELDERLY MORTALITY

2D. PATTERNS OF PREMATURE MORTALITY



2A.

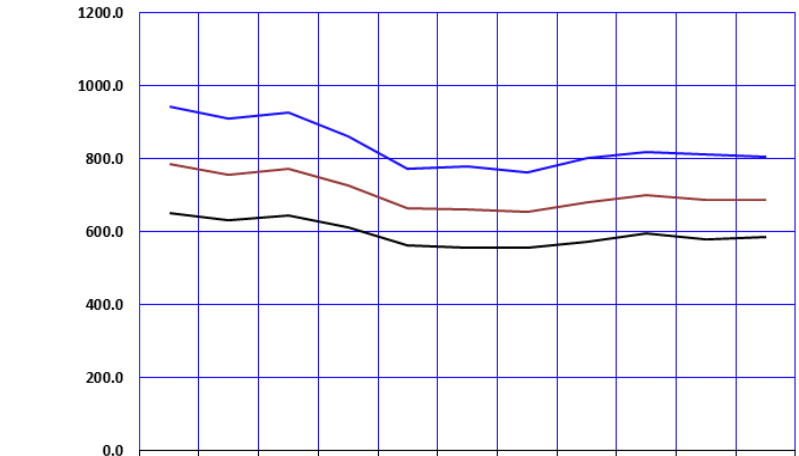
TOTAL MORTALITY

The total number of deaths from all causes among Arizona residents increased by 3.0 percent from 2012 (n = 48,459) to 2013 (n = 49,929; **Table 2A-1**). The age-adjusted mortality rate for all causes of death also increased from 687.2/100,000 in 2012 to 687.8/100,000 in 2013.

Compared to 2012, there were fewer deaths in 2013 for some of the leading causes of mortality including nephritis (11.1 percent), hypertension (3.8 percent), and cerebrovascular disease (2.3 percent). The causes with the largest increases were influenza and pneumonia (14.0 percent), accidents (11.9 percent), septicemia (11.0 percent), Alzheimer's disease (10.7 percent), and chronic liver disease and cirrhosis (7.1 percent).

When considering race/ethnicity and gender, the age-adjusted mortality rate for deaths due to major cardiovascular diseases among Black or African Americans males increased 21.8 percent from 2012 to 2013. In terms of mortality due to diabetes, the overall mortality rate for males and females remained stable over 2012 and 2013 (**Figure 2B-18**), a welcome respite from the increases observed from 2009 to 2011. Unfortunately the decrease in deaths due to diabetes did not hold true for all groups, with the age-adjusted mortality rate among Black males increasing 15.3 percent from 2012 to 2013 and increasing 37.4 percent for Black females over the same period.

Figure 2A-1
Age-adjusted Mortality Rates[a] for all Causes by Gender and Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Male	942.8	909.0	925.7	861.6	773.8	777.6	763.9	802.0	817.1	811.0	805.8
Both	784.0	757.3	772.5	727.3	663.2	659.6	653.2	679.9	699.6	687.2	687.8
Female	651.5	632.0	644.9	611.8	561.7	554.3	555.1	572.6	595.3	579.2	583.8

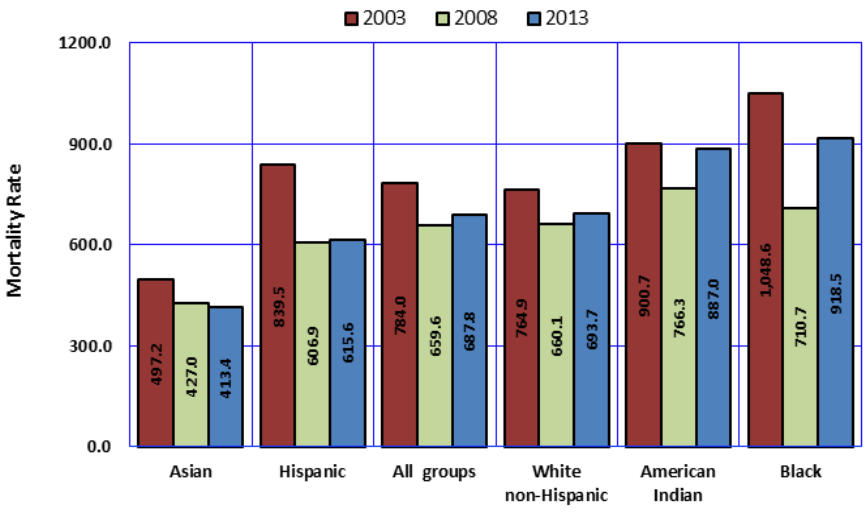
Notes: [a] Number of deaths per 100,000 persons (adjusted to the 2000 standard U.S. population).

The age-adjusted mortality rates discussed below are based on the year 2000 population standard. All mortality rates in sections 2A and 2B are age-adjusted. A detailed explanation of the age-adjustment of mortality rates is given in the ***Technical Notes***.

The total age-adjusted mortality rate remained relatively consistent from 2012 to 2013 (**Figure 2A-1, Table 2B-2**). Over this period, the age-adjusted mortality rates decreased slightly for males but increased slightly for females.

The difference between male and female mortality rates narrowed slightly between 2003 and 2013 with the male age-adjusted mortality rate being 44.7 percent greater than the female age-adjusted mortality rate in 2003, and 38.0 percent greater in 2013. However, the parallel trend lines (**Figure 2A-1**) do not suggest that the full convergence in mortality risk between males and females is likely to happen anytime soon.

Figure 2A-2
Age-adjusted Mortality Rates[a] for all Causes by Race/Ethnicity and Year, Arizona Residents, 2003, 2008, and 2013



Notes: [a] Number of deaths per 100,000 persons (adjusted to the 2000 standard U.S. population).

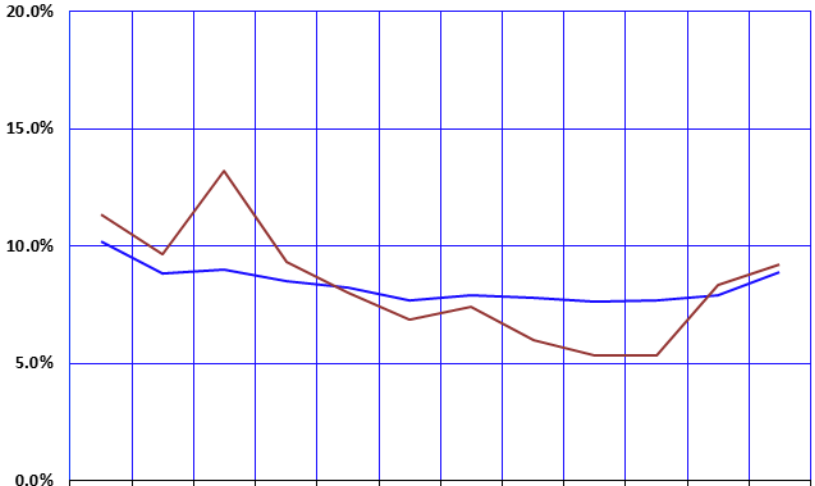
The 2013 age-adjusted death rates for the major racial/ethnic groups were as follows: for Asian or Pacific Islander, 413.4 deaths per 100,000 population; Hispanic or Latino, 615.6; White non-Hispanic, 693.7; American Indian or Alaska Native, 887.0; and Black or African American, 918.5 (**Figure 2A-2, Table 2B-4**).

In 2013, as in 2003 and 2008, Blacks and American Indians had higher total mortality rates than White non-Hispanics, Hispanics, and Asians. The total mortality rates for Asians were lower than the rates of both White non-Hispanics and Hispanics in 2003, 2008, and 2013.

If there was no monthly variation in proportional contribution to total annual deaths, 8.3 percent (100/12) of deaths should occur monthly. However, when the monthly distribution of resident deaths is examined, January (10.2 percent), March (9.0 percent), December (8.9 percent), February (8.8 percent), and April (8.5 percent) were higher in 2013 from the expected value (**Figure 2A-3**). September, June, October, August, July, and November were the months with the lowest proportional contributions to the total annual deaths among Arizona residents.

The majority of the 2,103 non-residents who died in Arizona during 2013 did so during March, January, February, and December. September was the month with the lowest proportional contribution (5.3 percent) to the annual death total among out-of-State residents who died in Arizona.

Figure 2A-3
Percent Annual Deaths by Month of Occurrence and Residence Status, Arizona, 2013

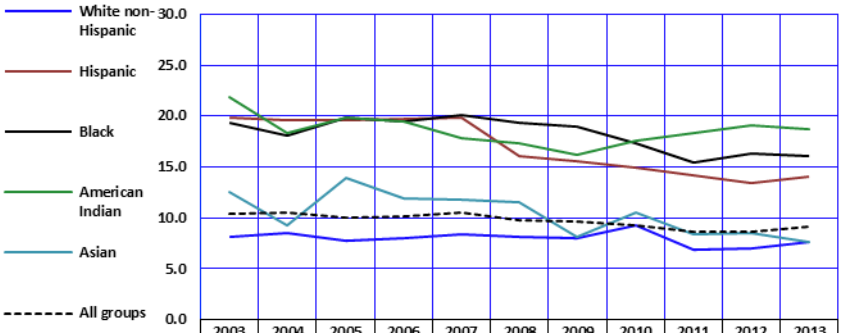


	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AZR	10.2%	8.8%	9.0%	8.5%	8.2%	7.7%	7.9%	7.8%	7.6%	7.7%	7.9%	8.9%
OSR	11.4%	9.6%	13.2%	9.3%	8.0%	6.9%	7.4%	6.0%	5.3%	5.3%	8.3%	9.2%

Autopsies were reported as performed on 4,543 decedents, or 9.1 percent of the deaths that occurred among Arizona residents in 2013. From 2003 – 2013, the percentage of deaths for which autopsies were reported varied from a high of 10.5 percent in 2004 and 2007 to a low of 8.6 percent in 2011 and 2012.

The percentage autopsied varies by the decedent's demographic characteristics. By race/ethnicity (**Figure 2A-4**) the percentage autopsied was lower for the White non-Hispanic and Asian population than for other groups. The prevalence of autopsies was substantially greater among American Indian, Black, and Hispanic or Latino sub-populations. A substantial portion of the differential in the use of autopsy by race/ethnicity reflects differences in the age and manner of death. For example, autopsies tend to be more common at younger ages and for deaths by homicide, suicide, accidents, and undetermined manner.

Figure 2A-4
Percentage of Deaths for which Autopsies were Reported by Race/Ethnicity and Year, Arizona Residents, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
White non-Hispanic	8.2	8.5	7.8	8.0	8.4	8.1	8.0	9.3	6.9	7.0	7.6
Hispanic	19.8	19.6	19.6	19.7	19.8	16.1	15.6	14.9	14.2	13.4	14.0
Black	19.3	18.1	19.8	19.5	20.1	19.4	19.0	17.3	15.5	16.4	16.1
American Indian	21.8	18.3	19.8	19.5	17.8	17.3	16.2	17.6	18.3	19.0	18.7
Asian	12.5	9.3	13.9	11.9	11.8	11.6	8.1	10.5	8.4	8.5	7.6
All groups	10.4	10.5	10.0	10.1	10.5	9.8	9.7	9.3	8.6	8.6	9.1

TABLE 2A-1
NUMBER OF DEATHS BY RACE/ETHNICITY, GENDER, AND YEAR, ARIZONA RESIDENTS, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012[a]	2013[a]
TOTAL[b]	**Total**	42,830	42,736	45,115	45,415	44,640	45,128	45,065	45,871	47,547	48,459	49,929
	Male	22,452	22,400	23,614	23,658	23,321	23,744	23,535	24,163	24,785	25,577	26,222
	Female	20,378	20,336	21,501	21,757	21,319	21,384	21,530	21,708	22,762	22,874	23,703
White non-Hispanic	**Total**	34,906	34,813	36,558	36,952	35,805	36,235	35,829	36,066	37,211	38,629	39,543
	Male	17,972	17,916	18,723	18,711	18,339	18,758	18,476	18,693	19,307	20,206	20,550
	Female	16,934	16,897	17,835	18,241	17,466	17,477	17,353	17,373	17,904	18,416	18,989
Hispanic or Latino	**Total**	4,914	5,009	5,323	5,284	5,496	5,313	5,401	5,374	5,575	5,963	6,300
	Male	2,812	2,874	3,115	3,114	3,146	2,996	2,978	2,959	2,982	3,323	3,412
	Female	2,102	2,135	2,208	2,170	2,350	2,317	2,423	2,415	2,593	2,640	2,888
Black or African American	**Total**	1,138	1,095	1,173	1,274	1,276	1,295	1,334	1,336	1,399	1,509	1,593
	Male	623	598	623	754	695	712	697	735	734	803	897
	Female	515	497	550	520	581	583	637	601	665	706	696
American Indian or Alaska Native	**Total**	1,527	1,402	1,651	1,543	1,661	1,722	1,871	1,781	1,681	1,806	1,955
	Male	864	780	929	901	950	981	1,028	1,015	876	993	1,103
	Female	663	622	722	642	711	741	843	766	805	812	852
Asian or Pacific Islander	**Total**	289	300	338	336	365	449	469	487	528	552	538
	Male	129	145	172	164	168	230	241	258	269	252	260
	Female	160	155	166	172	197	219	228	229	259	300	278
Unspecified other or unknown race	**Total**	60†	117	72	26	37	114	161	827	1,153	[b]	[b]
	Male	52	87	52	14	23	67	115	503	617	[b]	[b]
	Female	*	30	20	12	14	47	46	324	536	[b]	[b]

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Deaths with unknown gender (Total, n=4; White non-Hispanic, n=4) were included in totals; [b] Bridging of race/ethnicity in 2012 and 2013 differed from previous years. Individuals with unknown race were categorized as White non-Hispanic, while individuals with unknown race and Hispanic ethnicity were coded as Hispanic.

TABLE 2A-2
RESIDENT MORTALITY BY MONTH OF OCCURRENCE AND YEAR, ARIZONA, 2003-2013

Month of death		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
JAN	Count	3,809	4,015	3,933	4,640	4,213	4,149	3,983	3,950	4,321	4,210	5,079
	Percent	8.9%	9.4%	8.7%	10.2%	9.4%	9.2%	8.8%	8.6%	9.1%	8.7%	10.2%
FEB	Count	3,430	3,671	3,472	4,013	3,726	4,059	3,592	3,582	4,070	4,147	4,383
	Percent	8.0%	8.6%	7.7%	8.8%	8.3%	9.0%	8.0%	7.8%	8.6%	8.6%	8.8%
MAR	Count	3,817	3,834	3,992	4,124	4,062	4,426	3,954	4,084	4,358	4,414	4,484
	Percent	8.9%	9.0%	8.8%	9.1%	9.1%	9.8%	8.8%	8.9%	9.2%	9.1%	9.0%
APR	Count	3,599	3,456	3,972	3,765	3,781	3,949	3,945	3,845	3,967	4,176	4,231
	Percent	8.4%	8.1%	8.8%	8.3%	8.5%	8.8%	8.8%	8.4%	8.3%	8.6%	8.5%
MAY	Count	3,705	3,627	3,992	3,729	3,656	3,754	3,699	3,811	3,899	3,980	4,076
	Percent	8.7%	8.5%	8.8%	8.2%	8.2%	8.3%	8.2%	8.3%	8.2%	8.2%	8.2%
JUN	Count	3,337	3,333	3,514	3,489	3,427	3,542	3,500	3,651	3,823	3,868	3,831
	Percent	7.8%	7.8%	7.8%	7.7%	7.7%	7.8%	7.8%	8.0%	8.0%	8.0%	7.7%
JUL	Count	3,331	3,456	3,591	3,630	3,636	3,467	3,741	3,843	3,791	3,862	3,926
	Percent	7.8%	8.1%	8.0%	8.0%	8.1%	7.7%	8.3%	8.4%	8.0%	8.0%	7.9%
AUG	Count	3,398	3,442	3,571	3,417	3,466	3,512	3,617	3,756	3,913	3,850	3,893
	Percent	7.9%	8.1%	7.9%	7.5%	7.8%	7.8%	8.0%	8.2%	8.2%	7.9%	7.8%
SEP	Count	3,335	3,262	3,414	3,414	3,554	3,279	3,604	3,633	3,678	3,849	3,804
	Percent	7.8%	7.6%	7.6%	7.5%	8.0%	7.3%	8.0%	7.9%	7.7%	7.9%	7.6%
OCT	Count	3,425	3,461	3,524	3,767	3,651	3,636	3,739	3,678	3,888	3,956	3,868
	Percent	8.0%	8.1%	7.8%	8.3%	8.2%	8.1%	8.3%	8.0%	8.2%	8.2%	7.7%
NOV	Count	3,439	3,344	3,608	3,527	3,608	3,519	3,694	3,806	3,753	3,894	3,924
	Percent	8.0%	7.8%	8.0%	7.8%	8.1%	7.8%	8.2%	8.3%	7.9%	8.0%	7.9%
DEC	Count	4,205	3,835	4,532	3,900	3,860	3,836	3,997	4,232	4,086	4,253	4,430
	Percent	9.8%	9.0%	10.0%	8.6%	8.6%	8.5%	8.9%	9.2%	8.6%	8.8%	8.9%
TOTAL	Count	42,830	42,736	45,115	45,415	44,640	45,128	45,065	45,871	47,547	48,459	49,929
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

TABLE 2A-3
DEATHS BY DAY AND MONTH OF OCCURRENCE, ARIZONA RESIDENTS, 2013

Day of death	Month of death												Total
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	160	173	150	136	135	135	143	112	119	109	126	142	1,640
2	145	183	141	135	132	130	126	129	131	130	111	123	1,616
3	164	162	138	160	137	106	144	111	121	132	163	122	1,660
4	148	172	151	145	113	133	132	106	127	130	123	133	1,613
5	180	159	157	140	133	129	149	128	137	126	134	134	1,706
6	147	153	169	148	135	129	131	127	128	125	151	157	1,700
7	159	163	139	138	129	132	118	109	125	129	126	133	1,600
8	160	171	164	141	128	124	122	132	132	135	133	145	1,687
9	161	144	132	129	141	139	137	143	131	130	140	148	1,675
10	174	133	143	134	127	135	121	125	129	112	144	142	1,619
11	166	191	152	161	137	146	130	122	136	115	150	165	1,771
12	172	119	155	140	161	133	117	123	115	147	123	170	1,675
13	173	171	136	154	129	145	138	136	108	101	125	141	1,657
14	181	165	134	141	141	132	119	141	138	109	140	161	1,702
15	166	169	139	147	120	114	119	110	117	119	123	133	1,576
16	184	158	149	156	139	131	136	121	150	134	125	149	1,732
17	179	163	155	109	116	130	119	142	154	141	114	155	1,677
18	165	126	150	144	141	120	123	125	115	127	144	143	1,623
19	143	158	134	154	142	117	119	133	122	130	137	146	1,635
20	172	146	135	160	123	108	111	138	130	125	132	147	1,627
21	163	159	132	138	135	126	122	114	128	125	105	138	1,585
22	175	129	143	144	105	124	117	101	102	140	127	141	1,548
23	165	178	160	129	124	124	128	118	111	133	134	158	1,662
24	138	116	112	123	136	120	162	127	116	128	126	134	1,538
25	169	170	155	129	141	124	133	130	125	136	126	120	1,658
26	160	152	129	154	143	127	115	148	120	135	118	137	1,638
27	167	137	159	146	131	118	115	114	136	105	124	146	1,598
28	178	163	136	120	122	116	121	138	130	129	137	145	1,635
29	153		151	133	140	153	118	123	135	111	138	140	1,495
30	152		154	143	124	131	123	143	136	97	125	125	1,453
31	160		130		116		118	124		123		157	928
Total	5,079	4,383	4,484	4,231	4,076	3,831	3,926	3,893	3,804	3,868	3,924	4,430	49,929

TABLE 2A-4
AGE-SPECIFIC MORTALITY BY PLACE OF DEATH AND DECEDENT STATUS, ARIZONA, 2013

		Age												
		<1	**1-4**	**5-14**	**15-24**	**25-34**	**35-44**	**45-54**	**55-64**	**65-74**	**75-84**	**85+**	**Un-known**	**Total**
IN HOSPITAL	**In-patient**	330	48	40	127	234	404	882	1,712	2,365	2,512	1,831	*	10,487
	Out-patient[a]	62	41	27	144	181	203	340	494	504	452	308	0	2,756
	Died on arrival	0	0	0	*	*	0	*	*	*	*	*	0	20†
	Status unknown	32	16	24	164	320	529	1,221	2,331	3,085	3,771	4,120	*	15,616
	Subtotal	424	105	91	440†	740†	1,136	2,450†	4,540†	5,960†	6,740†	6,260†	10†	28,877
NOT IN HOSPITAL	**Nursing home[b]**	14	18	12	19	55	134	473	1,148	1,849	2,578	3,111	0	9,411
	Residence	*	0	0	*	6	29	100	306	721	1,648	3,109	*	5,920†
	Other[c]	8	7	17	203	279	282	388	469	546	1,109	2,297	14	5,619
	Unspecified	0	*	*	*	*	*	12	17	18	16	24	0	100†
	Subtotal	20†	26	30	230†	344	449	973	1,940	3,134	5,351	8,541	20†	21,052
TOTAL		447	131	121	663	1,081	1,585	3,418	6,480	9,091	12,091	14,801	20	49,929

Notes:* Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Includes Emergency Room; [b] Includes other long-term care facilities; [c] Includes hospices.



2B.

LEADING CAUSES OF DEATH

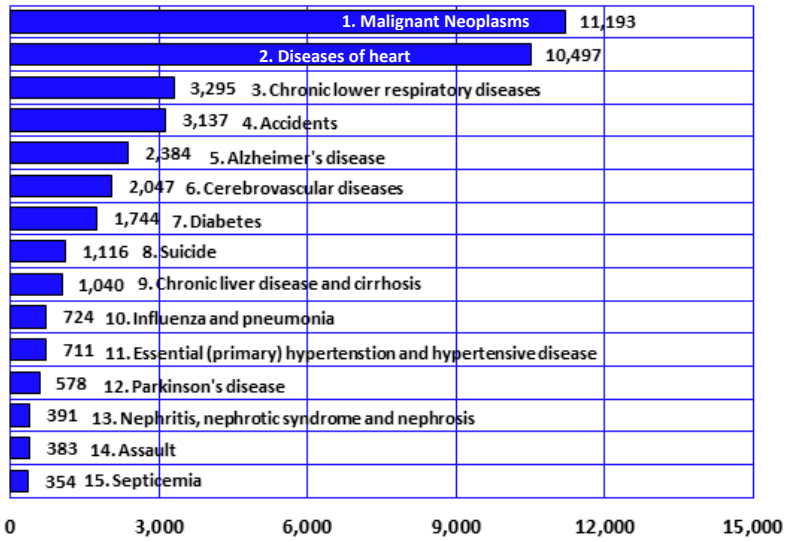
In 2010, the Office of Vital Records (OVR) of the Arizona Department of Health Services implemented the new (2003) Standard U.S. death certificate. The new certificate added several new questions: 1) whether tobacco use contributed to the death, and 2) whether, if the decedent was a female, the death was "pregnancy-associated" (defined as death from any cause during pregnancy or within one calendar year of delivery or pregnancy termination).

The death certificate now includes a new classification of the decedent's racial/ethnic status, consistent with the revised federal standards for collecting and reporting racial and ethnic status. These standards were published in the Federal Register on October 30, 1997, as "Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity". The revised standards are available on the OMB (the Office of Management and Budget) web-site at: http://www.whitehouse.gov/omb/fedreg/ombdir15.html

There are now 15 racial categories (including Guamanian or Chamorro; Samoan or Native Hawaiian) to choose from. It is also permitted to indicate more than one race for a decedent. In 2013, among the 49,929 deaths of Arizona residents, indication of "two or more races" appeared on only 398 certificates. The total number of deaths for decedents identified as Native Hawaiian was 15. To create frequency counts of race and ethnicity that were adequate to compute statistically reliable mortality rates, race was "bridged", or essentially collapsed into 5 categories; White non-Hispanic, Hispanic or Latino, Black or African American, Native American, and Asian or Pacific Islander. When an individual was identified as both Hispanic and any other race, that person was added to the racial/ethnic group with the lowest population. For example, a person identified as both White and Hispanic would be coded as Hispanic, where a person identified as American Indian and Hispanic would be coded as American Indian. Please refer to the technical appendix for further explanation of the racial bridging used in this report.

Figure 2B-1A
Leading Causes of Death among Arizona Residents in 2013

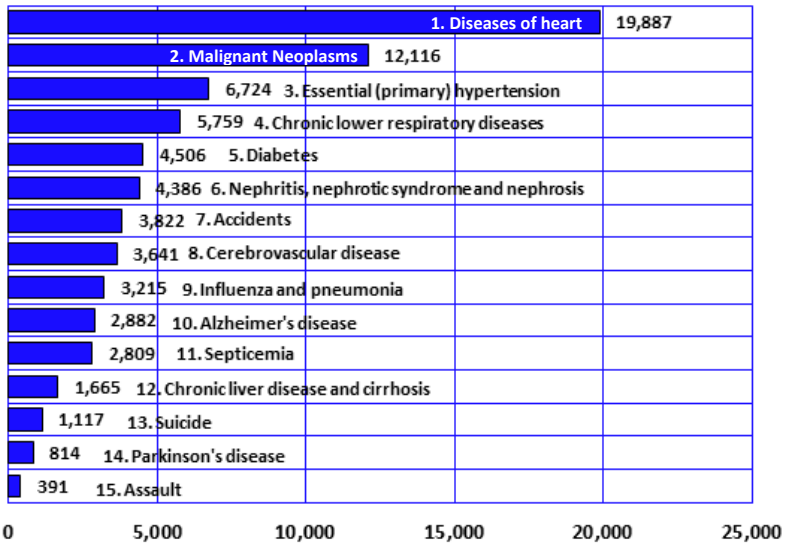
BASED ON THE NUMBER OF DEATHS DUE TO THE UNDERLYING CAUSE:



Based on the number of deaths (but not age-adjusted mortality rate), the leading underlying cause of death to Arizona residents in 2013 was cancer (11,193 or 22.4 percent of all deaths), closely followed by *heart disease*, which accounted for 10,497 or 21.0 percent of deaths (**Figure 2B-1A**, **Table 2B-1**, **Table 5E-14**). The third leading cause of death, *chronic lower respiratory diseases*, accounted for 3,295 or 6.6 percent of total deaths. Deaths due to *accidents (unintentional injuries)* ranked fourth in 2013, with 3,137 resident deaths reported. Deaths due to *Alzheimer's disease* ranked fifth in 2013, with 2,384 resident deaths reported. Together, these five causes accounted for 61.1 percent of total deaths in 2013. The fifteen leading causes accounted for 79.3 percent of all deaths among Arizona residents.

Figure 2B-1B
Leading Causes of Death among Arizona Residents in 2013

BASED ON THE NUMBER OF DEATHS DUE TO ANY MENTION OF A CAUSE:



For the purpose of mortality statistics, every death is attributed to one underlying condition or underlying cause of death. The underlying cause is defined as the disease or injury that initiated the chain of events leading directly to death. It is selected from up to 20 causes and conditions entered by the physician on the death certificate. The totality of all these conditions is known as multiple cause of death.

In addition to 10,497 deaths that had diseases of the heart assigned as the underlying cause, another 9,390 deaths had diseases of the heart assigned as a secondary cause of death. The sum of these two counts (19,887, **Figure 2B-1B**) is the total number of deaths that had any mention of diseases of the heart on the 2013 death certificates. The ranking based on any mention of the 15 diagnostic categories is different from ranking of the leading causes of death based on the underlying cause. In particular, essential (primary) hypertension ranked 10th as the underlying cause but ranked 3rd when any mention of it was counted.

It is important to note that **Figures 2B-2, 2B-3, 2B-4, and 2B-5** are based on the age-adjusted mortality rates and not on the number of deaths.

In 2013, cancer was the number one cause of death for Asians or Pacific Islanders, Hispanic or Latinos, and White non-Hispanics. Diseases of the heart were the leading cause of death for American Indians and Blacks or African Americans (**Figure 2B-2, Table 2B-4**). Unintentional injury was the third leading cause of death only for American Indians. For Asians, Hispanics, and Whites, Alzheimer's disease was the 5th leading cause of death in 2013. Diabetes was among the third leading cause of death for Blacks and Hispanics (**Table 2B-4**).

Chronic liver disease and cirrhosis was the fifth leading cause of death specific to American Indians. Chronic lower respiratory diseases were the third leading cause of death specific to White non-Hispanics.

Figure 2B-2
Age-adjusted Mortality Rates[a] for the Five Leading Causes of Death for Both Genders by Race/Ethnicity, Arizona, 2013

Rank	Asian or Pacific Islander	American Indian or Alaska Native	Black or African American	Hispanic or Latino	White non-Hispanic
1	Cancer 100.1	Diseases of heart 122.9	Diseases of heart 200.5	Cancer 129.8	Cancer 154.3
2	Diseases of heart 82.5	Cancer 118.2	Cancer 190.4	Diseases of heart 116.1	Diseases of heart 147.6
3	Stroke 30.7	Unintentional injury 104.5	Diabetes 60.2	Diabetes 40.7	Chronic lower respiratory diseases 49.3
4	Chronic lower respiratory diseases 19.4	Diabetes 65.7	Stroke 54.4	Unintentional injury 38.5	Unintentional injury 47.9
5	Alzheimer's disease 18.2	Chronic liver disease and cirrhosis 62.0	Chronic lower respiratory diseases 46.7	Alzheimer's disease 35.6	Alzheimer's disease 33.4

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Based on age-adjusted mortality rates, cancer was the leading cause of death followed by heart disease for females of all racial/ethnic groups excluding American Indians (**Figure 2B-3**, **Table 2B-4**). Diabetes was the 3rd leading cause of death for Black women, the 4th leading cause for Hispanic women, and the 5th leading cause for Asian and American Indian females. Alzheimer's disease was among the five leading causes of death for women of all racial/ethnic backgrounds excluding American Indians.

Chronic liver disease and cirrhosis was the 4th leading cause of death specific to American Indian females. Chronic lower respiratory diseases were the 3rd leading cause of death specific to White non-Hispanic females.

Figure 2B-3
Age-adjusted Mortality Rates[a] for the Five Leading Causes of Death by Race/Ethnicity among Females, Arizona, 2013

Rank	Asian or Pacific Islander	American Indian or Alaska Native	Black or African American	Hispanic or Latino	White non-Hispanic
1	Cancer 81.4	Diseases of heart 114.5	Cancer 176.5	Cancer 117.0	Cancer 133.3
2	Diseases of heart 70.9	Cancer 97.1	Diseases of heart 144.8	Diseases of heart 93.0	Diseases of heart 111.5
3	Stroke 31.2	Unintentional injury 62.9	Diabetes 55.8	Alzheimer's disease 39.6	Chronic lower respiratory diseases 47.0
4	Alzheimer's disease 18.3	Chronic liver disease and cirrhosis 55.0	Stroke 54.6	Diabetes 36.3	Alzheimer's disease 37.7
5	Diabetes 17.9	Diabetes 55.0	Alzheimer's disease 45.8	Stroke 28.5	Unintentional injury 34.7

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-4
Age-adjusted Mortality Rates[a] for the Five Leading Causes of Death by Race/Ethnicity among Males, Arizona, 2013

Rank	Asian or Pacific Islander	American Indian or Alaska Native	Black or African American	Hispanic or Latino	White non-Hispanic
1	Cancer 131.4	Diseases of heart 159.8	Cancer 269.1	Cancer 147.2	Diseases of heart 190.0
2	Diseases of heart 98.8	Unintentional injury 150.5	Diseases of heart 209.3	Diseases of heart 144.4	Cancer 180.9
3	Chronic lower respiratory diseases 32.0	Cancer 126.0	Unintentional injury 68.7	Unintentional injury 51.4	Unintentional injury 61.2
4	Stroke 30.0	Diabetes 79.7	Diabetes 68.0	Diabetes 45.8	Chronic lower respiratory diseases 52.5
5	Essential (primary) hypertension and hypertensive renal disease 21.2	Chronic liver disease and cirrhosis 70.1	Chronic lower respiratory diseases 56.4	Stroke 30.8	Intentional Self-harm Suicide 32.4

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Based on age-adjusted mortality rates, cancer followed by diseases of the heart were the two leading causes of death among Asian or Pacific Islander, Black or African American, and Hispanic or Latino males (**Figure 2B-4**; **Table 2B-4**). Age-adjusted mortality rates for diseases of the heart were the highest of all causes among American Indian and White non-Hispanic males.

Unintentional injury ranked among the top 5 leading causes of death for males in all racial/ethnic groups excluding Asians, but was the 2nd leading cause of death only for American Indian males.

In 2013, based on the age-adjusted mortality rates, diabetes was among the fourth leading causes of death for American Indian, Black or African American, and Hispanic or Latino males.

Figure 2B-5
Age-adjusted Mortality Rates[a] for the Five Leading Causes of Death by Gender in Urban[b] and Rural Areas, Arizona, 2013

Rank	Urban male	Urban female	Rural male	Rural female
1	Diseases of heart 176.8	Cancer 127.4	Diseases of heart 208.3	Cancer 140.2
2	Cancer 172.2	Diseases of heart 104.7	Cancer 182.6	Diseases of heart 128.3
3	Unintentional injury 54.6	Chronic lower respiratory diseases 40.8	Unintentional injury 86.4	Chronic lower respiratory diseases 46.5
4	Chronic lower respiratory diseases 45.5	Alzheimer's disease 40.7	Chronic lower respiratory diseases 57.6	Unintentional injury 46.3
5	Alzheimer's disease 30.4	Unintentional injury 29.8	Intentional Self-harm Suicide 38.6	Stroke 28.2

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties. The remaining counties comprise Arizona's rural areas.

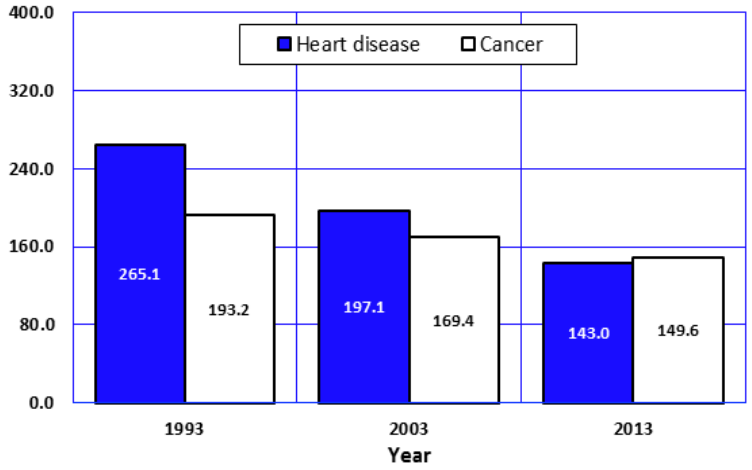
In 2013, the three leading causes of death for males and females were ordered similarly regardless of residence in urban (Maricopa, Pima, Pinal, and Yuma counties) or rural (all the remaining counties) areas of the State (Figure 2B-5, Table 2B-5). Diseases of the heart, cancer, and unintentional injuries were the leading causes of death for urban and rural males, and cancer, disease of the heart, and chronic lower respiratory diseases were leading causes for urban and rural females.

Reflecting differences in urban and rural living conditions, Alzheimer's disease was the 5th leading cause of death for urban males and the 4th leading cause for urban females, but was not in the 5 leading causes for rural males or females. Similarly, intentional self-harm was the 5th leading cause of death for rural males, but was not a leading cause for urban males.

The age-adjusted mortality rate for diseases of the heart decreased by 46.1 percent from 265.1 deaths per 100,000 population in 1993 to 143.0/100,000 in 2013 (**Figure 2B-6**). The age-adjusted mortality rate for cancer declined less, by 29.1 percent, from 1993-2013. In Arizona, the relative risk of death from heart disease versus cancer changed from 37.2 percent greater in 1993 to 4.4 percent less in 2013.

In 2003, 1,198 more Arizonans died from diseases of the heart than cancer (**Table 2B-1**). In 2013, the number of deaths from cancer exceeded the number of heart disease deaths by 696 (**Table 2B-4**).

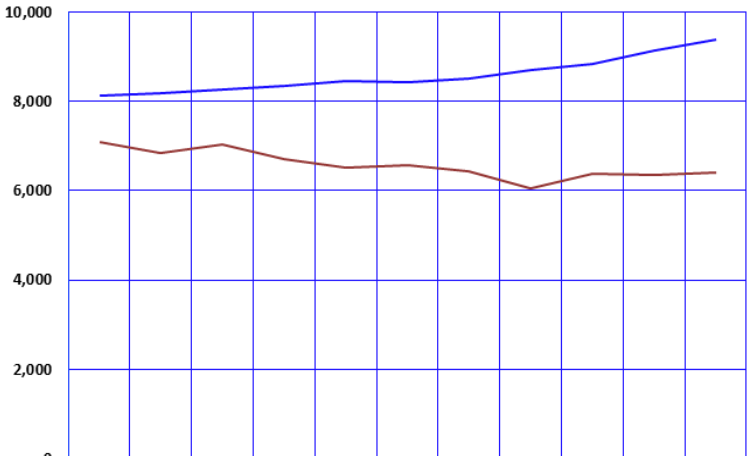
Figure 2B-6
Comparison of Age-adjusted Mortality Rates[a] for Heart Disease and Cancer (Malignant Neoplasm), Arizona, 1993, 2003, and 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

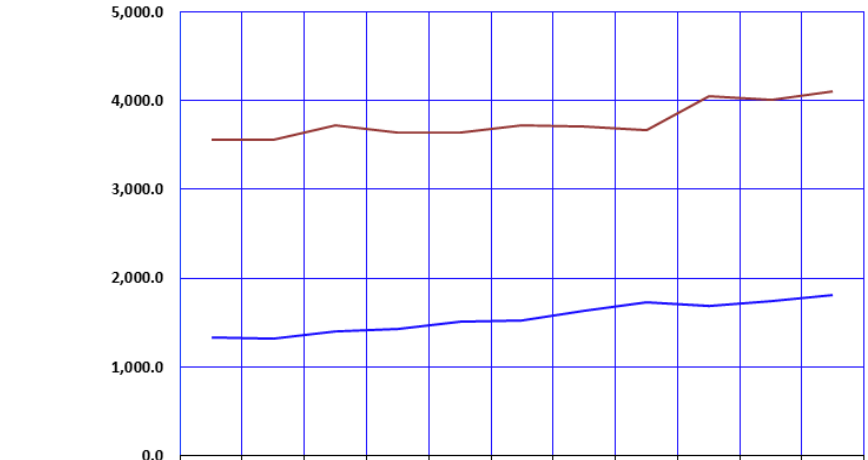
For the past several years, cancer has been the number one cause of death among Arizonans aged 0-84 years (**Figure 2B-7**). Beginning in 1996, the annual number of cancer deaths exceeded the number of deaths from heart disease. In 2013, 2,988 more Arizonans 0-84 years old died from cancer (9,384) than heart disease (6,396).

Figure 2B-7
Number of Deaths from Heart Disease and Cancer among Arizonans 0-84 Years, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Cancer	8,123	8,190	8,278	8,336	8,451	8,432	8,520	8,696	8,849	9,127	9,384
Heart disease	7,084	6,841	7,047	6,712	6,507	6,579	6,435	6,052	6,373	6,359	6,396

Figure 2B-8
Deaths from Heart Disease and Cancer among Arizonans 85+, 2003-2013

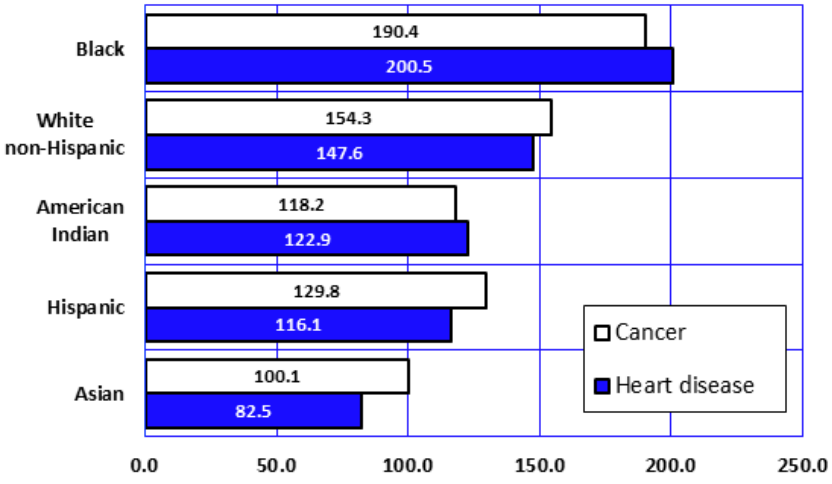


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Cancer	1,327	1,316	1,395	1,431	1,504	1,517	1,627	1,727	1,694	1,744	1,809
Heart disease	3,563	3,560	3,727	3,648	3,640	3,720	3,716	3,667	4,049	4,007	4,100

Among Arizonans age 85 and over, heart disease is the number one leading cause of death by a wide margin. In 2013, adults aged 85 and over accounted for 16.2 percent of all deaths from cancer but 39.1 percent of all deaths from heart disease. In 2013, the median age at death for heart disease was 81 years (**Table 2D-3**) and a minority of deaths (44.1 percent, **Table 2D-4**) were premature, i.e., before reaching the expected years of life at birth for all U.S. residents (78.7 years as of 2011).

However, from 2003 to 2013, the number of deaths from cancer increased by 36.3 percent among Arizonans 85 years or older, more than double the increase observed in diseases of the heart (a 15.1 percent increase).

Figure 2B-9
Age-adjusted Mortality Rates[a] for Heart Disease and Cancer by Race/Ethnicity, Arizona, 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

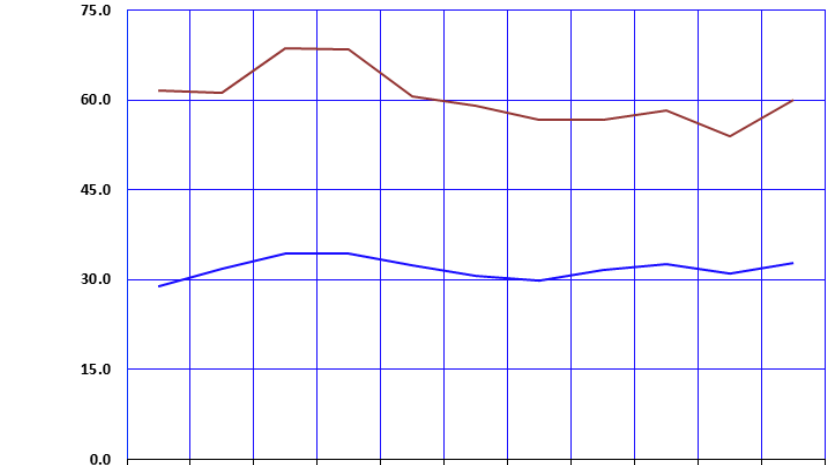
Arizona's White non-Hispanics were 78.9 percent more likely to die from diseases of the heart and 54.1 percent more likely to die from malignant neoplasms in 2013 than Asians, the groups with the lowest risk of each respective cause of death (**Figure 2B-9**, **Table 2B-4**). Compared to Asians, Black or African American Arizonans were 90.2 percent more likely to die of cancer and 2.4 times more likely to die of heart disease.

Among White non-Hispanics, Hispanics, and Asians, the relative risk of death from cancer exceeded the mortality risk of death from heart disease in 2013 (**Table 2B-3**).

The number of deaths from unintentional injuries increased by 13.2 percent from 2,804 in 2012 to 3,173 in 2013 (**Table 2B-1**). In 2013, based on age-adjusted mortality rates, accidents ranked third as a leading cause of death for males and fifth for females (**Table 2B-4**). From 2012 to 2013, the age-adjusted mortality rate for accidents increased 11.3 percent for males and 5.8 percent for females (**Figure 2B-10**).

A number of deaths due to common types of unintentional injuries increased from 2012 to 2013 (see **Table 2B-9**). Deaths due to excessive natural cold were more than two times higher in 2013 than in 2012, and deaths due to fire, flames, or smoke increased 58 percent (likely attributable to the Yarnell Hill Fire that killed 19 firefighters in June of 2013). Deaths due to poisoning by gases or vapors increased 30.2 percent over this period, as did poisonings due to drugs and/or medicaments (16.7 percent).

Figure 2B-10
Age-adjusted Mortality Rates[a] for Accidents (Unintentional Injuries) by Gender and Year, Arizona, 2003-2013



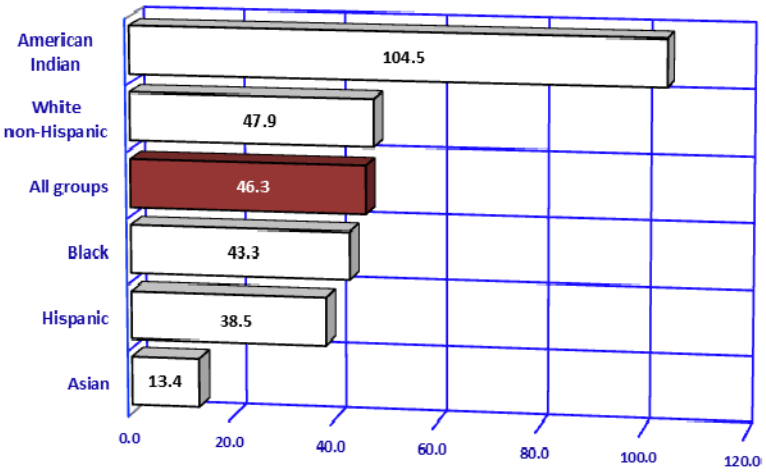
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	28.8	31.7	34.4	34.3	32.3	30.6	29.8	31.6	32.6	31.0	32.8
Male	61.6	61.1	68.7	68.5	60.6	59.0	56.6	56.6	58.3	54.0	60.1

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The American Indian death rate for unintentional injuries (104.5/100,000) was 7.8 times greater than the rate for Asians (13.4/100,000), the group at the lowest risk of unintentional injury death among racial/ethnic groups in the State (**Figure 2B-11**, **Table 2B-4**).

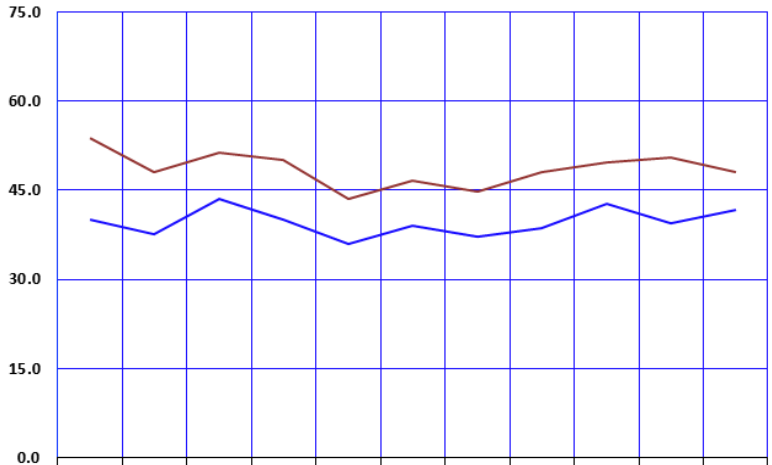
In 2013, Apache (108.7/100,000) and Navajo (106.1/100,000) counties had the two highest age-adjusted mortality rates for unintentional injuries (**Table 5E-11**).

Figure 2B-11
Age-adjusted Mortality Rates[a] for Accidents (Unintentional Injuries) by Race/Ethnicity, Arizona, 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-12
Age-adjusted Mortality Rates[a] for Chronic Lower Respiratory Diseases[b] by Gender and Year, Arizona, 2003-2013



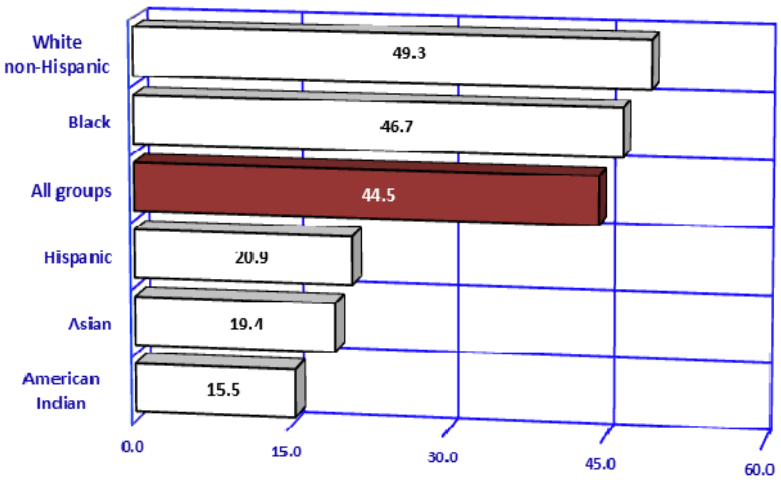
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	40.0	37.7	43.5	40.1	36.0	39.0	37.1	38.6	42.8	39.5	41.8
Male	53.8	48.1	51.3	50.2	43.5	46.6	44.7	48.1	49.7	50.5	48.1

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard; [b] This ICD-10 title corresponds to Chronic Obstructive Pulmonary Disease (ICD-9 title).

In 2013, chronic lower respiratory diseases (bronchitis, emphysema, asthma) were the 3rd leading cause of death among Arizona residents (**Table 2B-1**). From 2012 to 2013, the mortality rates for chronic lower respiratory diseases (CLRD) slightly increased for women and slightly decreased for men (**Figure 2B-12**, **Table 2B-2**).

Urban females had the lowest mortality rate for CLRD (40.8/100,000) by gender and regional group (**Table 2B-5**). Rural males were the group with the highest mortality risk for CLRD (57.6/100,000), followed by rural females (46.5/100,000) and urban males (45.5 deaths per 100,000).

Figure 2B-13
Age-adjusted Mortality Rates[a] for Chronic Lower Respiratory Diseases by Race/Ethnicity, Arizona, 2013



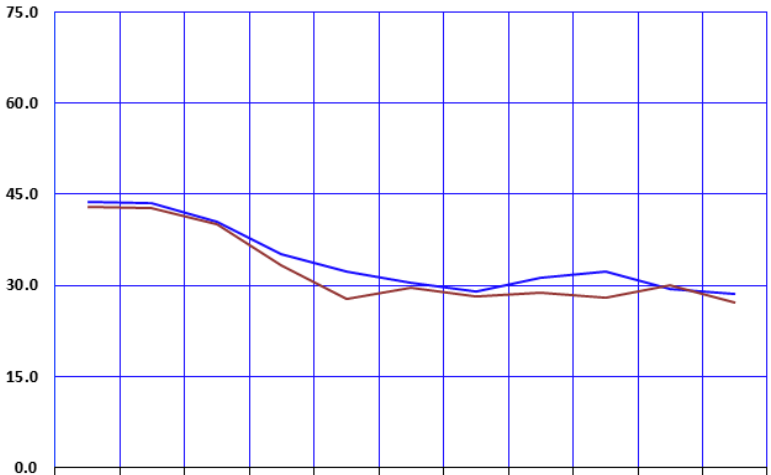
Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Mortality rates for emphysema, chronic bronchitis, asthma, and other lower respiratory disorders were substantially higher among White non-Hispanics (49.3 deaths per 100,000) and Black or African Americans (46.7/100,000) than they were among Hispanics, (20.9/100,000), Asians (19.4/100,000), and American Indians (15.5/100,000; **Figure 2B-13**, **Table 2B-4**).

Cerebrovascular disease and diseases of the heart are two of the leading causes of death that share many risk factors such as hypertension, smoking, obesity, and high levels of cholesterol. The age-adjusted mortality rate for stroke decreased by 35.8 percent from 43.9 deaths per 100,000 population in 2003 to 28.2/100,000 in 2013 (**Table 2B-3**).

Females remained at greater risk than males to die from a stroke from 2003-2011, with male risk being slightly higher than female risk in 2012 (**Figure 2B-14**). In 2013, the stroke mortality rate for females was again greater than the rate for males (**Figure 2B-14**, **Table 2B-2**).

Figure 2B-14
Age-adjusted Mortality Rates[a] for Cerebrovascular Disease by Gender and Year, Arizona, 2003-2013



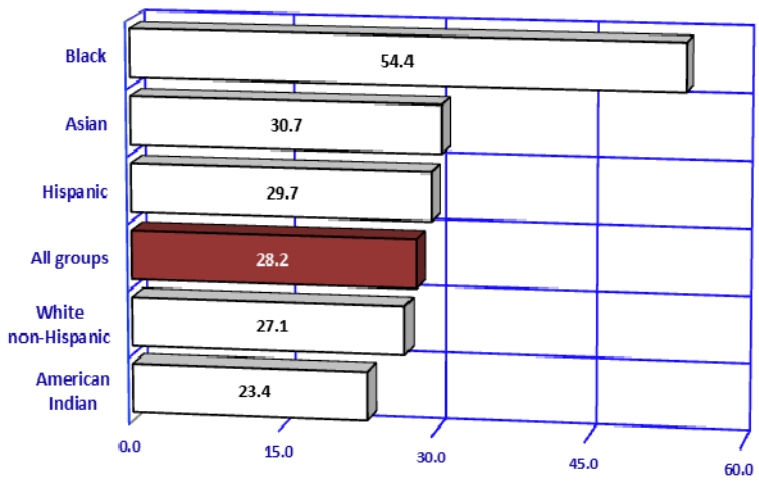
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	43.8	43.6	40.5	35.2	32.2	30.5	29.1	31.3	32.3	29.4	28.5
Male	42.9	42.7	40.0	33.4	27.7	29.6	28.2	28.9	28.0	30.0	27.2

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Compared to Arizona's overall rate, Blacks or African Americans were 92.9 percent more likely to die from cerebrovascular disease in 2013 (**Figure 2B-15**, **Table 2B-4**). The 2013 mortality rate for cerebrovascular disease among American Indians (23.4/100,000) was the lowest among racial/ethnic groups.

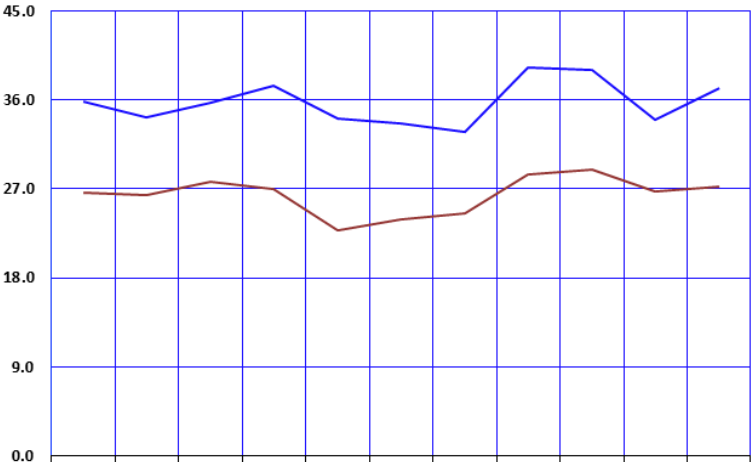
American Indian males had the lowest mortality rate for cerebrovascular disease among all gender and racial/ethnic subgroups (18.6 deaths per 100,000, **Table 2B-4**), while Black or African American females had the highest rate of 54.6 deaths per 100,000.

Figure 2B-15
Age-adjusted Mortality Rates[a] for Cerebrovascular Disease by Race/Ethnicity, Arizona, 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-16
Age-adjusted Mortality Rates[a] for Alzheimer's Disease by Gender and Year, Arizona, 2003-2013



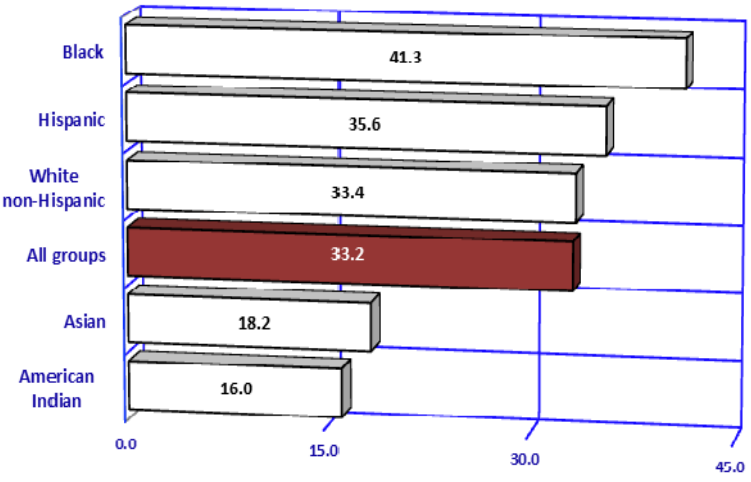
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	35.9	34.2	35.7	37.4	34.1	33.6	32.8	39.3	39.0	34.0	37.2
Male	26.6	26.4	27.7	27.0	22.8	23.9	24.5	28.5	28.9	26.7	27.2

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Based on the number of deaths in 2013, Alzheimer's disease was the 4th leading cause of death for females and 8th leading cause for males (**Table 2B-4**).

Excluding 2012, the age-adjusted mortality rate for Alzheimer's disease among females remained between 37.2 and 39.3 deaths per 100,000 females (**Figure 2B-16**). During the same period, the male age-adjusted mortality rate for Alzheimer's disease was between 27.2 and 28.9 deaths per 100,000 males.

Figure 2B-17
Age-adjusted Mortality Rates[a] for Alzheimer's Disease by Race/Ethnicity, Arizona, 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The age-adjusted mortality rates for Alzheimer's disease in 2013 were higher among Black or African Americans (41.3/100,000), Hispanics (35.6/100,000), and White non-Hispanics (33.4/100,000) than among Asian (18.2/100,000) or American Indian residents of Arizona (16.0/100,000; **Figure 2B-17**, **Table 2B-4**).

White non-Hispanic residents of Arizona disproportionately contributed to mortality from Alzheimer's disease. In 2013, White non-Hispanics accounted for 58.4 percent (**Table 10C-1**) of the State's population, but 85.7 percent of all deaths from Alzheimer's disease (2,042 out of 2,384; **Table 2B-4**).

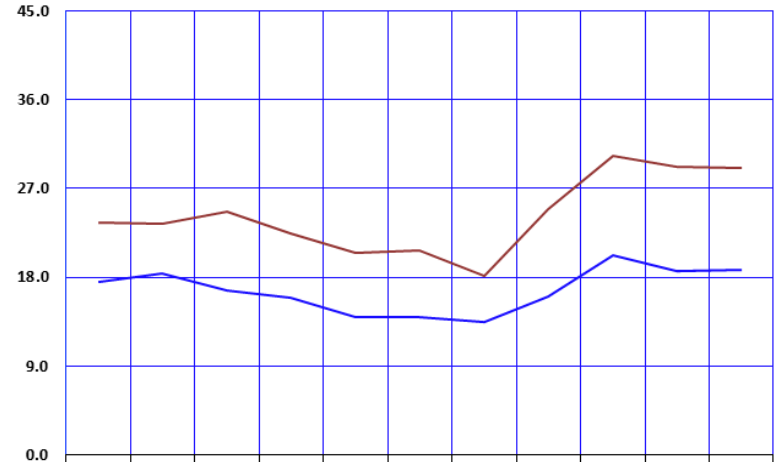
In 2013, the median age at death from Alzheimer's disease was 88 for females and 86 for males (**Table 2D-3**).

Both men and women experienced a decline in mortality rates for diabetes from 2005 to 2009 (**Figure 2B-18**), but from 2009 to 2013, the number of deaths from diabetes increased by 61.8 percent (based on the data in **Table 2B-1**).

In addition to 1,744 deaths that had diabetes assigned as the underlying cause in 2013, another 2,762 deaths had diabetes assigned as a contributing factor. The diabetes-related death rate of 60.7/100,000 (**Table 6A-6**) was 2.6 times greater than the rate for diabetes as underlying cause (23.6/100,000, **Table 2B-2**).

The diabetes-related death rate includes all mentions of diabetes on the death certificate as the underlying or other than underlying cause.

Figure 2B-18
Age-adjusted Mortality Rates[a] for Diabetes by Gender and Year, Arizona, 2003-2013



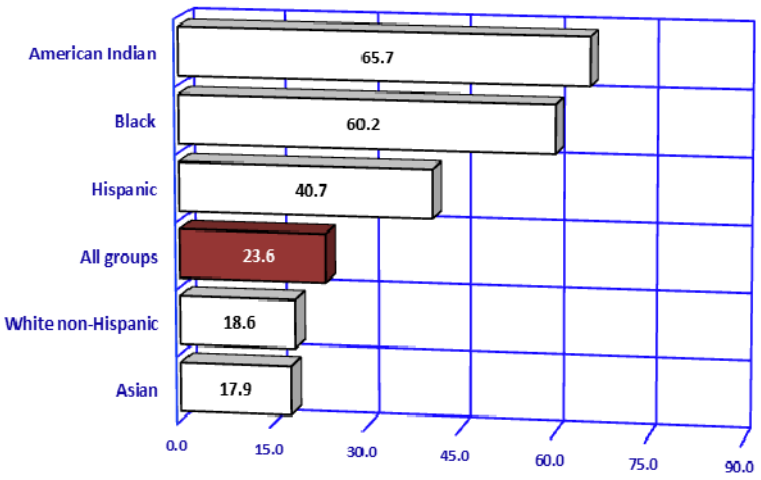
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	17.5	18.4	16.7	15.9	13.9	13.9	13.5	16.0	20.2	18.6	18.8
Male	23.6	23.4	24.7	22.5	20.5	20.7	18.2	24.9	30.3	29.2	29.1

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

In 2013, compared to Arizona's rate, American Indians were 2.8 times more likely to die from diabetes (65.7 deaths per 100,000; **Figure 2B-19**, **Table 2B-4**). The rate of 17.9 deaths per 100,000 among Asians was the lowest rate among all racial/ethnic groups in the State.

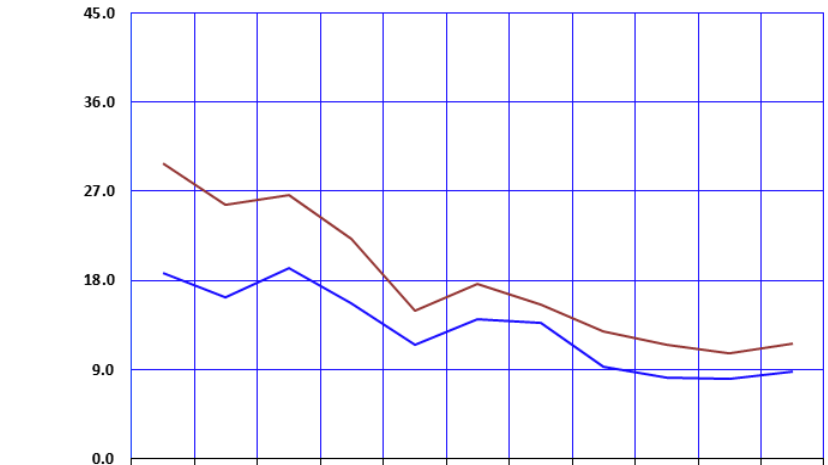
Among the 15 Arizona counties, in 2013 Apache (44.3/100,000), Graham (44.2/100,000), and Yuma (44.1/100,000) counties had the highest mortality rates for diabetes (**Table 5E-11**).

Figure 2B-19
Age-adjusted Mortality Rates[a] for Diabetes by Race/Ethnicity, Arizona, 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-20
Age-adjusted Mortality Rates[a] for Influenza and Pneumonia by Gender and Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	18.7	16.3	19.2	15.7	11.5	14.1	13.7	9.3	8.2	8.0	8.8
Male	29.8	25.7	26.6	22.2	14.9	17.7	15.6	12.8	11.5	10.6	11.6

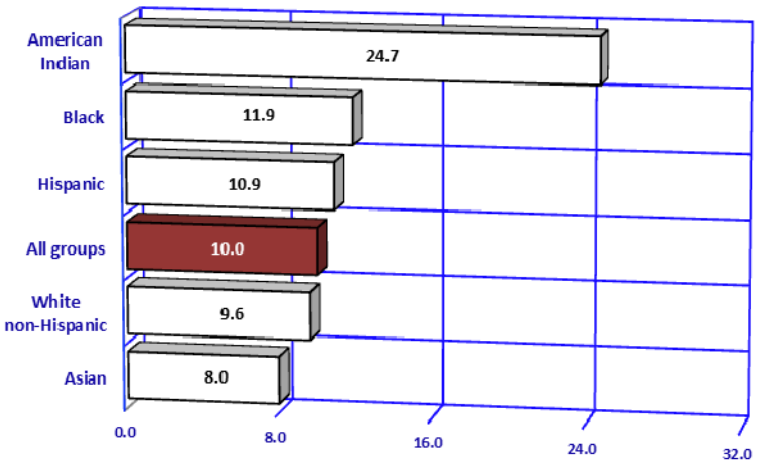
Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The number of deaths from influenza and pneumonia decreased by 43.4 percent from a recent high of 1,280 in 2005 to 724 in 2013, though the number of influenza deaths rose 14.0 percent from 2012 to 2013 (**Table 2B-1**). Among the 724 deaths, influenza was identified as the underlying cause for 42 of them, while pneumonia was listed as the underlying cause on 682 death certificates (**Table 2B-6**).

The mortality rate for influenza and pneumonia increased for females from 8.0 deaths per 100,000 in 2012 to 8.8 deaths in 2013 (**Figure 2B-20, Table 2B-2**). The mortality rate for influenza and pneumonia also increased for males from 10.6 deaths per 100,000 in 2012 to 11.6/100,000 in 2013.

In 2013, the age-adjusted mortality rate for Arizona males was 31.8 percent greater than that of Arizona females.

Figure 2B-21
Age-adjusted Mortality Rates[a] for Influenza and Pneumonia by Race/Ethnicity, Arizona, 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

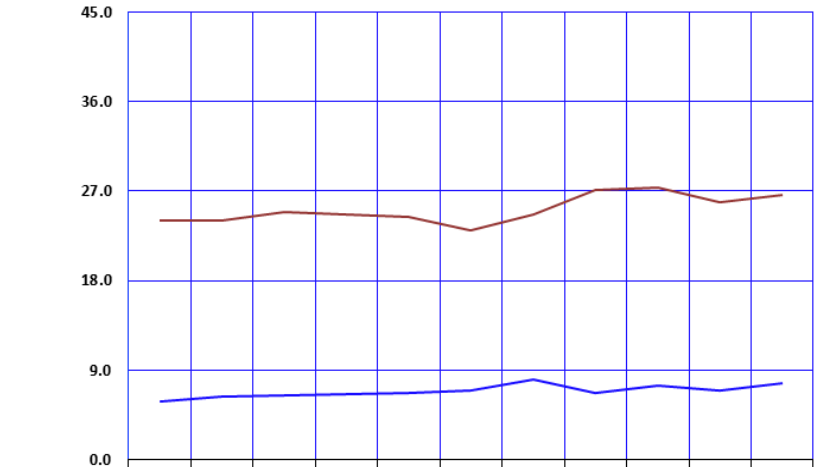
In 2013, American Indian residents of Arizona had the highest mortality rate for influenza and pneumonia (24.7 deaths per 100,000) among the racial/ethnic groups. The age-adjusted mortality of 8.0/100,000 among Asians was the lowest rate among racial/ethnic groups in the State (**Figure 2B-21**, **Table 2B-4**).

Compared to the State death rate for influenza and pneumonia, Apache County's rate was 2.6 times greater (26.4/100,000). The mortality rate was also elevated in Navajo County (20.1/100,000), Gila County (18.3/100,000), and Yuma County (17.8/100,000; **Table 5E-11**).

In 2013, suicide was the 7th leading cause of death among males. It ranked as the 11th cause of mortality for females. The age-adjusted suicide rate increased from 16.2 suicides per 100,000 in 2012 to 17.0/100,000 in 2013 (**Table 2B-3**).

From 2012 to 2013, the suicide rate increased for both males (2.7 percent) and females (10 percent; **Figure 2B-22**, **Table 2B-3**). In 2013, suicide posed a 3.5 times greater mortality risk for males (26.6/100,000) than for females (7.7/100,000).

Figure 2B-22
Age-adjusted Mortality Rates[a] for Suicide by Gender and Year, Arizona, 2003-2013



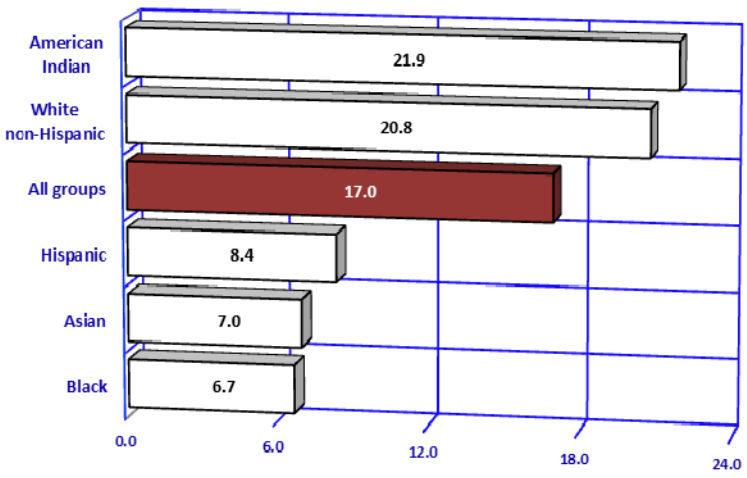
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	5.8	6.3	6.5	6.6	6.7	7.0	8.1	6.7	7.5	7.0	7.7
Male	24.0	24.1	24.9	24.7	24.4	23.0	24.6	27.1	27.4	25.9	26.6

Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

In 2013, American Indians had the highest age-adjusted suicide rate (21.9 suicides per 100,000) among racial/ethnic groups, followed by White non-Hispanics (20.8/100,000), Hispanics (8.4/100,000), Asians (7.0/100,000), and Black or African Americans (6.7/100,000; **Figure 2B-23**, **Table 2B-4**).

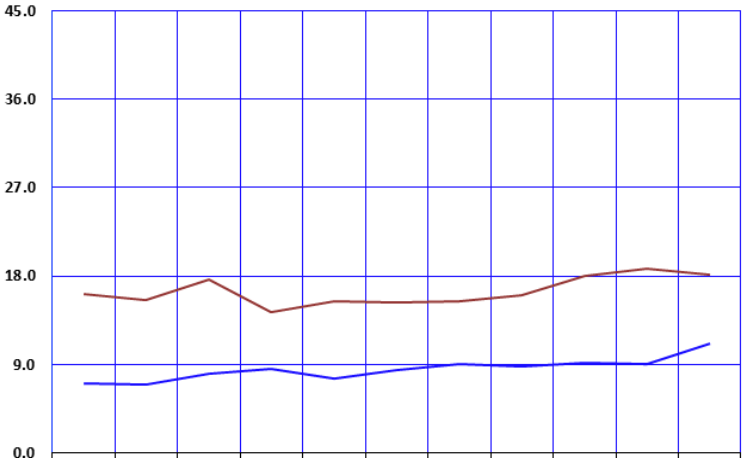
The age-adjusted mortality rates for suicide varied in Arizona in 2013 from 7.9 suicides per 100,000 residents of Yuma County to 38.1 suicides per 100,000 residents of Apache County (**Table 5E-11**).

Figure 2B-23
Age-adjusted Mortality Rates[a] for Suicide by Race/Ethnicity, Arizona, 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Figure 2B-24
Age-adjusted Mortality Rates[a] for Chronic Liver Disease and Cirrhosis by Gender and Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	7.1	6.9	8.1	8.5	7.6	8.4	9.1	8.8	9.2	9.0	11.1
Male	16.2	15.6	17.7	14.3	15.4	15.3	15.4	16.1	18.0	18.7	18.2

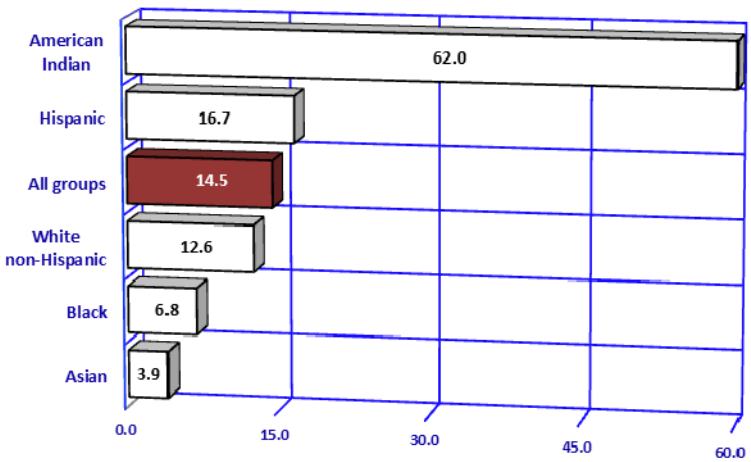
Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

Chronic liver disease and cirrhosis was the 9th leading cause of death in Arizona in 2013 (**Figure 2B-1, Table 2B-1**). Among the 1,040 deaths due to chronic liver disease and cirrhosis, 636 (61.2 percent) were males (**Table 2B-4**).

Among females, the age-adjusted mortality rate for chronic liver disease and cirrhosis slightly increased 23.3 percent from 2012 to 2013. Among males, the mortality rate decreased 2.7 percent from 18.7/100,000 in 2012 to 18.2/100,000 in 2013 (**Figure 2B-24**, **Table 2B-3**).

In 2013, Navajo, Apache, Gila, La Paz, Mohave, and Graham counties had the highest mortality rates for chronic liver disease and cirrhosis (**Table 5E-11**).

Figure 2B-25
Age-adjusted Mortality Rates[a] for Chronic Liver Disease and Cirrhosis by Race/Ethnicity, Arizona, 2013



Notes: [a] Number of deaths per 100,000 population age-adjusted to the 2000 U.S. standard.

The 2013 death rate for chronic liver disease and cirrhosis among American Indians (62.0 deaths per 100,000) was 4.3 times greater than the state average (14.5/100,000; **Figure 2B-25, Table 2B-4**). The rate for Hispanics (16.7 deaths per 100,000 population) was the second highest among racial/ethnic groups in the State.

Compared to the median age at death from all causes (76 years), those who died from chronic liver disease and cirrhosis were on average 18 years younger (58 years, **Table 2D-3**). In 2013, the median age at death of American Indians who died from chronic liver disease and cirrhosis was only 49 years (**Table 2D-3**).

TABLE 2B-1
NUMBER OF DEATHS FOR THE LEADING CAUSES OF MORTALITY BY YEAR, ARIZONA, 2003-2013

Rank in 2003	Rank in 2013	Cause of death	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
2	1	**Malignant neoplasms**	9,451	9,506	9,673	9,768	9,955	9,949	10,147	10,423	10,543	10,871	11,193
1	2	**Diseases of heart**	10,649	10,402	10,779	10,362	10,147	10,299	10,151	9,719	10,424	10,366	10,497
3	3	**Chronic lower respiratory diseases**	2,522	2,392	2,778	2,771	2,651	2,896	2,808	2,892	3,143	3,167	3,295
4	4	**Accidents (unintentional injury)**	2,466	2,641	3,006	3,156	3,014	2,951	2,887	2,834	2,959	2,804	3,137
6	5	**Alzheimer's disease**	1,691	1,672	1,816	2,057	2,041	2,086	2,086	2,314	2,336	2,154	2,384
5	6	**Cerebrovascular diseases**	2,356	2,412	2,325	2,159	2,079	2,089	2,010	2,051	2,067	2,096	2,047
8	7	**Diabetes**	1,124	1,180	1,196	1,188	1,145	1,162	1,078	1,372	1,721	1,698	1,744
9	8	**Intentional self-harm (suicide)**	807	854	915	948	986	968	1,060	1,070	1,113	1,070	1,116
10	9	**Chronic liver disease and cirrhosis**	625	629	749	706	734	778	818	843	933	971	1,040
7	10	**Influenza and pneumonia**	1,248	1,108	1,280	1,147	875	1,075	1,007	729	649	635	724
15	11	**Essential primary hypertension and hypertensive renal disease**	339	405	390	420	389	475	475	498	725	739	711
14	12	**Parkinson's disease**	402	390	492	489	455	487	446	488	545	579	578
11	13	**Nephritis, nephrotic syndrome and nephrosis**	550	625	603	549	510	488	532	516	409	440	391
12	14	**Assault (homicide)**	480	486	503	525	494	461	360	404	387	376	383
13	15	**Septicemia**	463	456	496	539	547	539	528	425	321	319	354
ALL CAUSES			42,830	42,736	45,115	45,415	44,640	45,128	45,065	45,871	47,547	48,459	49,929

Notes: The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). The causes of death for 2003-2013 are classified by ICD-10, replacing the Ninth Revision (ICD-9) used during 1979-1999. The group titles, such as cardiovascular diseases, infectious and parasitic diseases, or other cardiovascular diseases are not ranked to determine the leading causes of death. The ICD-10 code for the underlying cause of death was missing for as many as 140 in 2008.

TABLE 2B-2
AGE-ADJUSTED MORTALITY RATES[a] BY GENDER AND YEAR FOR SELECTED LEADING CAUSES OF DEATH, ARIZONA, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
TOTAL, ALL CAUSES												
	Total	784.0	757.3	772.5	727.3	663.2	659.6	653.2	679.9	699.6	687.2	687.8
	Male	942.8	909.0	925.7	861.6	773.8	777.6	763.9	802.0	817.1	811.0	805.8
	Female	651.5	632.0	644.9	611.8	561.7	554.3	555.1	572.6	595.3	579.2	583.8
CARDIOVASCULAR DISEASE												
	Total	258.4	248.5	245.7	216.4	194.4	194.1	188.8	188.6	201.0	193.3	187.7
	Male	310.3	298.4	298.2	258.3	227.5	235.8	228.1	225.1	239.2	233.6	229.0
	Female	215.8	207.8	203.8	181.0	164.3	158.1	154.9	156.7	168.0	159.1	152.4
-----DISEASES OF HEART												
	Total	197.1	186.7	186.9	166.1	149.5	149.3	145.9	143.3	152.7	145.8	143.0
	Male	246.6	234.2	237.4	207.3	184.0	189.3	183.1	179.8	192.8	184.4	183.6
	Female	157.1	148.5	147.3	131.8	119.4	115.1	114.1	112.2	119.0	113.7	109.2
-----CEREBROVASCULAR DISEASE												
	Total	43.9	43.6	40.6	34.8	30.6	30.3	28.9	30.7	30.6	29.9	28.2
	Male	42.9	42.7	40.0	33.4	27.7	29.6	28.2	28.9	28.0	30.0	27.2
	Female	43.8	43.6	40.5	35.2	32.2	30.5	29.1	31.3	32.3	29.4	28.5
MALIGNANT NEOPLASMS												
	Total	169.4	164.7	161.8	154.7	148.0	145.5	147.2	150.5	151.3	149.8	149.6
	Male	208.3	201.2	197.1	187.0	176.7	173.8	174.9	180.6	179.3	180.3	175.0
	Female	141.3	138.6	136.1	131.0	125.6	123.0	125.8	127.1	129.5	125.9	129.9
CHRONIC LOWER RESPIRATORY DISEASE												
	Total	45.4	41.9	46.8	44.3	39.2	42.2	40.5	42.6	45.9	44.2	44.5
	Male	53.8	48.1	51.3	50.2	43.5	46.6	44.7	48.1	49.7	50.5	48.1
	Female	40.0	37.7	43.5	40.1	36.0	39.0	37.1	38.6	42.8	39.5	41.8
ACCIDENTS (UNINTENTIONAL INJURIES)												
	Total	44.8	46.0	51.1	51.2	46.6	44.7	43.1	43.8	45.5	42.4	46.3
	Male	61.6	61.1	68.7	68.5	60.6	59.0	56.6	56.6	58.3	54.0	60.1
	Female	28.8	31.7	34.4	34.3	32.3	30.6	29.8	31.6	32.6	31.0	32.8
-----MOTOR VEHICLE ACCIDENTS												
	Total	18.0	18.1	18.9	19.6	16.2	13.6	11.6	11.1	12.1	11.4	11.4
	Male	24.9	23.9	27.0	26.8	22.2	19.5	16.8	15.9	17.6	16.8	16.3
	Female	11.2	12.5	11.1	12.4	10.1	7.9	6.5	6.4	6.9	6.3	6.6
INFLUENZA AND PNEUMONIA												
	Total	23.4	20.1	22.3	18.4	12.9	15.6	14.6	10.9	9.7	9.1	10.0
	Male	29.8	25.7	26.6	22.2	14.9	17.7	15.6	12.8	11.5	7.4	11.6
	Female	18.7	16.3	19.2	15.7	11.5	14.1	13.7	9.3	8.2	5.6	8.8

TABLE 2B-2 (continued)
AGE-ADJUSTED MORTALITY RATES[a] BY GENDER AND YEAR FOR SELECTED LEADING CAUSES OF DEATH, ARIZONA, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ALZHEIMER'S DISEASE												
	Total	32.5	31.3	32.7	33.4	29.6	29.8	29.5	35.1	35.2	29.9	33.2
	Male	26.6	26.4	27.7	27.0	22.8	23.9	24.5	28.5	28.9	41.5	27.2
	Female	35.9	34.2	35.7	47.4	34.1	33.6	32.8	39.3	39.0	52.8	37.2
DIABETES												
	Total	20.3	20.7	20.1	18.9	17.0	17.0	15.7	20.1	24.8	23.5	23.6
	Male	23.6	23.4	24.7	22.5	20.5	20.7	18.2	24.9	30.3	29.2	29.1
	Female	17.5	18.4	16.7	15.9	13.9	13.9	13.5	16.0	20.2	18.6	18.8
CHRONIC LIVER DISEASE AND CIRRHOSIS												
	Total	11.5	11.1	12.7	11.4	11.3	11.7	12.2	12.3	13.4	13.6	14.5
	Male	16.2	15.6	17.7	14.3	15.4	15.3	15.4	16.1	18.0	18.7	18.2
	Female	7.1	6.9	8.1	8.5	7.6	8.4	9.1	8.8	9.2	9.0	11.1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS												
	Total	10.1	11.0	10.4	8.8	7.6	7.1	7.7	7.6	6.0	6.2	5.3
	Male	12.0	13.4	12.7	10.5	8.8	8.6	9.2	9.0	7.2	8.9	6.1
	Female	8.8	9.4	8.8	7.4	6.6	5.9	6.5	6.4	5.1	6.7	4.8
INTENTIONAL SELF-HARM (SUICIDE)												
	Total	14.6	14.9	15.4	15.4	15.4	14.8	16.1	16.7	17.2	16.2	17.0
	Male	24.0	24.1	24.9	24.7	24.4	23.0	24.6	27.1	27.4	25.9	26.6
	Female	5.8	6.3	6.5	6.6	6.7	7.0	8.1	6.7	7.5	7.0	7.7
ASSAULT (HOMICIDE)												
	Total	8.3	8.2	8.2	8.5	7.7	7.1	5.5	6.5	6.1	5.9	5.9
	Male	12.8	13.3	13.5	13.5	11.8	11.2	8.0	10.5	9.6	8.6	9.2
	Female	3.6	2.9	2.6	3.1	3.2	2.7	2.9	2.4	2.6	3.1	2.5
SEPTICEMIA												
	Total	8.4	8.0	8.4	8.6	8.1	7.9	7.7	7.4	4.7	4.5	4.8
	Male	9.4	9.4	9.7	9.4	8.4	9.4	8.2	10.8	5.4	6.1	5.6
	Female	7.6	7.0	7.5	8.0	7.9	6.7	7.3	5.1	4.0	4.8	4.3

Notes: [a] The number of deaths per 100,000 population adjusted to the 2000 U.S. standard. The cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10). Beginning in 2000, the causes of death are classified by ICD-10.

TABLE 2B-3
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2013

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Total, all causes																		
1980	972.7	1241.9	755.9	962.0	1227.8	750.4	931.1	1160.5	743.7	1213.6	1502.6	952.0	1225.7	1589.1	900.6	551.7	706.6	418.8
1990	839.9	1056.7	666.4	833.8	1048.8	663.8	736.6	906.0	591.9	1092.7	1366.7	868.4	1043.2	1371.6	763.0	528.8	589.2	446.3
1991	836.9	1046.3	668.3	826.3	1031.5	661.9	797.7	1020.2	620.0	1140.9	1374.4	926.9	1003.3	1256.1	792.1	518.3	634.6	421.4
1992	840.2	1066.9	658.4	825.8	1044.8	651.7	808.7	1053.8	614.6	1140.1	1455.5	877.4	1058.7	1345.0	815.1	550.5	674.3	450.6
1993	866.4	1081.0	691.0	852.7	1060.9	682.5	852.6	1096.9	663.2	1041.6	1295.4	828.6	1078.4	1377.8	830.6	651.9	705.1	611.6
1994	846.6	1049.8	677.9	834.7	1031.8	672.1	798.6	975.8	652.6	1133.0	1486.6	841.7	1012.7	1285.8	779.8	675.6	836.4	556.9
1995	835.5	1026.0	675.3	823.1	1008.9	668.2	823.7	1021.1	659.6	1110.4	1411.2	867.0	1010.4	1192.0	846.8	595.8	804.1	438.2
1996	829.3	1020.7	672.0	817.6	1006.4	663.6	783.7	981.1	622.8	1038.4	1224.6	890.7	1047.2	1282.1	848.7	378.7	456.6	321.3
1997	809.5	975.5	668.6	798.4	954.8	666.1	789.1	1010.8	613.5	1040.2	1252.1	859.6	972.9	1177.6	795.4	426.3	530.3	351.1
1998	807.6	978.4	665.4	794.5	959.6	657.2	804.1	990.0	654.6	1017.9	1253.7	840.8	990.7	1230.3	789.4	460.3	499.5	429.0
1999	811.0	982.6	668.7	792.3	957.4	656.1	794.6	995.4	635.5	1025.4	1254.3	842.9	1017.5	1176.1	877.9	434.8	511.7	378.4
2000	785.6	941.1	654.6	776.6	930.6	647.3	769.9	926.0	642.4	1057.5	1263.1	890.3	1011.4	1240.4	818.7	504.1	544.0	451.5
2001	791.2	952.4	656.7	778.1	936.3	647.1	787.6	958.7	644.5	1050.6	1211.7	923.5	1010.5	1213.3	836.9	560.7	592.9	517.2
2002	796.4	964.8	658.0	786.7	948.7	654.4	811.1	1007.5	651.5	951.5	1170.1	759.6	975.1	1201.3	792.3	560.4	661.8	452.6
2003	784.0	942.8	651.5	764.9	921.4	636.0	839.5	1007.3	698.7	1048.6	1201.7	901.9	900.7	1057.7	761.4	497.2	522.0	478.7
2004	757.3	909.0	632.0	734.6	885.2	612.8	834.0	1006.6	691.5	1021.7	1149.2	895.8	879.2	1040.6	741.7	557.5	446.5	715.3
2005	772.5	925.7	644.9	744.6	894.4	622.3	849.2	1062.1	679.8	1053.1	986.6	1125.9	1006.6	1215.2	835.6	629.5	670.8	593.1
2006	727.3	861.6	611.8	728.5	854.4	621.1	685.6	837.3	556.0	885.1	1109.5	693.6	744.5	933.9	593.0	393.4	478.0	340.5
2007	663.2	773.8	561.7	665.1	777.7	563.2	603.7	705.7	509.3	719.2	739.1	691.2	752.5	928.8	605.2	356.3	1008.6	342.1
2008	659.6	777.6	554.3	660.1	780.7	553.9	606.9	704.0	515.8	710.7	746.4	670.5	766.3	937.9	620.0	427.0	529.7	359.0
2009	653.2	763.9	555.1	647.3	761.9	546.8	614.9	712.3	528.4	736.8	728.4	736.1	823.5	972.5	695.0	472.8	561.7	408.7
2010	679.9	802.0	572.6	674.4	791.8	569.7	612.0	716.0	525.0	835.0	1009.6	698.5	891.8	1080.0	731.1	424.1	544.7	345.7
2011	699.6	817.1	595.3	741.5	810.1	595.9	656.4	781.9	549.7	833.6	981.9	718.5	765.5	871.4	669.5	436.7	521.8	377.8
2012	687.2	811.0	579.2	693.1	817.9	583.0	616.2	743.0	512.8	886.5	985.3	793.1	843.8	1001.0	708.3	440.1	463.6	418.3
2013	687.8	805.8	583.8	693.7	811.8	588.8	615.6	708.5	534.9	918.5	1061.5	782.1	887.0	1075.3	728.5	413.4	485.9	364.6
Cardiovascular diseases																		
1980	450.3	556.9	363.4	459.1	567.6	370.6	416.4	517.3	337.1	510.4	615.4	418.0	281.3	373.6	199.5	310.5	375.0	251.9
1990	338.6	410.6	280.7	343.6	417.5	284.2	285.7	347.2	236.0	446.1	492.3	411.6	269.0	365.5	190.7	188.2	180.4	189.7
1991	328.9	397.0	271.5	331.2	401.0	272.4	306.1	370.0	252.6	467.2	495.5	432.1	248.0	308.2	200.8	217.4	259.1	181.9
1992	329.2	402.3	269.6	328.7	403.3	267.8	318.0	387.0	263.8	503.7	602.1	425.1	280.7	360.5	216.0	206.2	226.1	191.9
1993	339.9	408.5	282.4	341.1	413.4	280.0	317.3	384.2	266.5	408.2	438.8	379.2	293.3	323.2	269.4	301.2	327.6	281.1
1994	324.1	387.3	269.9	325.4	389.5	269.8	298.5	359.6	252.6	438.2	507.7	371.4	287.6	369.8	222.0	279.8	309.9	256.7
1995	318.3	380.6	266.3	318.8	384.6	264.0	319.5	356.4	286.2	407.9	477.7	352.9	269.0	298.3	243.6	236.9	349.8	152.1
1996	307.1	373.1	253.1	309.6	377.4	254.0	285.3	361.6	226.2	385.6	406.2	364.3	267.9	323.4	224.1	134.8	183.0	99.3
1997	297.3	349.6	252.6	298.4	351.2	253.0	300.4	358.3	255.3	355.5	384.4	326.1	237.6	268.9	211.5	165.0	217.1	128.5
1998	296.2	356.4	246.3	295.2	356.0	244.2	297.6	358.7	252.2	420.5	512.3	348.6	259.1	336.2	198.2	173.5	175.3	177.4
1999	289.7	349.8	240.1	289.5	350.5	238.5	283.5	352.2	234.1	384.3	432.7	342.8	241.0	290.8	201.4	164.9	172.0	159.9
2000	276.1	333.1	230.0	276.0	335.8	227.7	273.6	320.8	236.1	411.5	460.3	374.6	257.5	308.3	218.7	190.6	197.0	183.2
2001	267.3	321.6	223.0	265.8	322.0	220.1	281.4	325.8	242.8	388.1	422.3	354.6	234.1	275.6	202.5	184.3	190.8	179.9
2002	265.5	321.1	221.0	266.1	323.2	220.0	276.3	321.8	240.0	329.8	402.1	269.0	216.2	257.6	184.4	218.4	280.4	173.5
2003	258.4	310.3	215.8	257.2	309.3	214.2	278.2	339.9	230.3	390.1	426.5	348.3	188.6	239.3	150.6	145.3	137.2	150.7
2004	248.5	298.4	207.8	243.1	295.7	200.6	284.1	331.4	247.0	372.5	365.2	363.2	214.6	254.7	181.0	200.3	158.8	259.2
2005	245.7	298.2	203.8	241.3	295.8	198.2	266.1	331.8	217.5	343.3	304.3	385.9	235.6	279.7	201.6	243.0	244.9	241.3
2006	216.4	258.3	181.0	218.2	258.9	183.3	203.2	243.8	170.2	310.3	443.9	208.0	167.0	213.0	131.3	136.2	159.0	122.9
2007	194.4	227.5	164.3	196.9	234.0	163.5	179.8	201.8	159.1	225.9	210.0	239.7	155.0	181.8	132.4	108.9	265.9	108.3
2008	194.1	235.8	158.1	196.3	240.6	158.3	184.8	218.8	153.8	219.6	235.0	205.2	150.4	172.8	133.7	121.4	132.3	114.1
2009	188.8	228.1	154.9	188.3	229.4	152.9	179.8	211.3	151.9	245.7	228.8	252.2	164.2	209.1	130.0	150.8	182.3	127.9
2010	188.6	225.1	156.7	188.8	224.9	156.6	172.4	201.5	148.9	258.5	305.4	215.1	183.2	216.9	154.8	130.0	175.8	98.9
2011	201.0	239.2	168.0	212.6	239.9	167.1	193.4	223.9	168.0	266.1	329.3	219.6	149.2	160.8	136.3	122.4	148.6	103.7
2012	193.3	233.6	159.1	195.1	238.4	157.9	176.2	204.3	153.1	284.0	290.7	269.6	168.3	204.1	139.8	134.7	159.3	116.7
2013	187.7	229.0	152.4	190.9	233.3	154.0	161.9	194.2	135.3	280.2	354.0	218.5	164.2	199.8	137.4	133.6	154.8	119.2
-----Diseases of heart																		
1980	346.3	444.5	266.2	353.6	454.3	271.8	307.3	395.1	237.0	392.5	462.7	328.2	236.1	323.6	159.3	268.1	375.0	177.0
1990	263.8	330.7	210.3	268.3	336.8	213.2	222.0	285.2	172.9	343.0	381.9	311.5	207.1	289.3	140.3	135.0	143.5	130.8
1991	254.3	319.1	201.0	257.8	324.2	203.2	229.2	295.6	175.8	362.5	388.4	328.1	179.5	234.2	135.5	128.3	149.0	111.4
1992	257.2	324.0	202.9	257.3	325.7	201.7	245.2	306.5	196.7	386.5	473.1	317.6	224.7	295.5	167.2	167.3	187.6	154.4
1993	265.1	332.8	209.6	266.5	337.5	207.8	246.3	301.5	203.6	317.3	386.4	262.9	228.7	273.1	194.1	203.2	203.2	206.6
1994	248.3	307.6	198.5	250.4	310.7	199.2	225.5	273.0	189.5	325.1	403.8	255.3	215.5	290.3	155.6	184.5	241.8	141.9
1995	243.3	302.9	194.1	244.5	307.8	192.5	241.6	279.8	207.7	316.0	373.6	268.8	201.5	221.6	182.1	155.3	215.5	109.9
1996	230.7	292.8	180.8	233.4	298.0	181.3	210.7	279.0	158.1	282.6	305.7	263.7	191.9	236.9	156.6	103.1	124.4	87.1
1997	221.6	272.1	179.2	223.3	275.9	179.2	214.6	253.2	182.8	271.4	290.1	249.7	185.9	213.7	162.1	119.3	173.2	80.1
1998	219.0	275.2	172.5	218.5	275.6	170.6	223.2	281.5	180.4	317.4	375.4	271.6	192.4	273.2	129.0	81.2	52.6	106.8
1999	213.9	269.4	168.5	215.1	271.5	168.3	204.4	259.8	163.3	281.1	323.0	246.0	177.0	237.1	131.3	95.4	95.1	95.8
2000	206.1	259.3	163.6	207.2	263.2	162.5	204.7	247.2	171.4	289.5	312.8	267.0	183.8	229.5	148.5	132.3	146.1	118.8
2001	201.7	251.3	161.5	202.1	252.9	160.9	206.1	255.8	165.4	273.6	300.5	248.5	177.7	218.4	146.8	116.1	116.8	116.0
2002	201.0	253.6	158.9	203.0	257.8	159.0	201.2	239.2	170.5	237.0	311.6	178.6	164.0	201.2	134.3	145.6	177.8	122.0
2003	197.1	246.6	157.1	197.9	248.4	157.2	198.5	252.7	155.9	299.4	335.2	259.2	141.9	181.6	111.0	97.6	88.8	103.5
2004	186.7	234.2	148.5	184.9	235.0	144.8	197.6	239.1	165.0	258.5	241.3	258.5	166.9	215.3	128.2	135.3	112.8	167.4
2005	186.9	237.4	147.3	185.2	237.7	144.5	189.6	242.2	149.9	250.3	235.7	266.2	179.1	231.7	139.9	159.8	177.7	143.9
2006	166.1	207.3	131.8	168.8	210.6	133.9	149.8	181.1	124.0	231.9	328.6	153.5	129.4	169.5	98.1	94.7	118.5	80.2
2007	149.5	184.0	119.4	153.2	191.3	120.0	131.5	158.9	107.7	171.3	160.4	182.5	115.2	140.5	94.7	58.6	152.9	56.4
2008	149.3	189.3	115.1	153.1	195.7	116.8	132.0	165.2	102.4	161.7	175.2	146.9	114.6	129.0	103.8	71.8	92.0	57.8
2009	145.9	183.1	114.1	147.5	186.5	114.2	130.5	159.6	105.4	171.3	176.1	160.4	125.8	156.1	100.5	96.7	118.1	80.9
2010	143.3	179.8	112.2	145.4	181.9	113.7	121.3	149.0	99.5	177.7	233.6	133.9	135.9	169.5	108.1	86.8	128.1	60.0
2011	152.7	192.8	119.0	164.3	196.2	120.4	137.4	167.1	113.2	174.0	252.9	119.3	111.1	131.1	92.7	77.0	105.3	57.3
2012	145.8	184.4	113.7	150.0	190.9	115.3	123.4	149.8	101.8	190.5	216.9	168.5	122.7	160.6	93.9	87.9	116.9	68.3
2013	143.0	183.6	109.2	147.6	190.0	111.5	116.1	144.4	93.0	200.5	269.1	144.8	122.9	159.8	97.1	82.5	98.8	70.9

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2013

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
-----Cerebrovascular diseases																		
1980	74.9	75.9	73.8	76.4	76.0	75.8	72.5	79.8	68.2	89.3	105.8	77.0	36.2	50.0	23.5	42.4	0.0	74.9
1990	54.6	54.6	54.1	55.0	54.7	54.8	45.2	40.7	46.9	76.6	84.7	73.2	48.8	63.0	37.5	44.7	23.5	54.5
1991	53.9	54.1	52.4	53.3	53.3	51.9	47.3	42.6	49.0	71.6	74.4	68.0	59.9	66.2	56.1	66.9	83.7	53.6
1992	51.7	55.0	49.3	51.2	53.6	49.3	51.5	63.4	43.5	77.6	86.1	70.4	43.1	49.3	38.2	30.6	38.5	22.0
1993	55.0	51.9	56.0	54.8	51.8	55.6	52.4	59.3	48.1	51.8	29.9	66.0	52.8	36.6	65.1	68.0	70.9	64.0
1994	54.7	55.5	53.1	54.3	54.9	52.7	54.2	61.7	48.6	63.6	62.3	64.1	47.7	48.5	46.8	75.6	46.1	96.6
1995	53.9	52.8	54.0	53.1	51.2	53.7	57.3	58.5	56.6	64.6	73.8	58.4	54.3	64.7	47.3	54.2	79.5	35.4
1996	54.8	55.9	53.0	54.4	54.7	53.2	53.8	61.4	48.7	77.9	71.2	78.0	59.7	68.2	52.6	31.1	57.2	12.2
1997	54.9	52.5	55.8	54.1	50.2	56.0	64.6	77.6	55.3	64.3	72.7	58.7	37.2	37.3	37.8	33.9	20.2	45.5
1998	52.2	52.3	51.9	51.8	51.5	52.0	49.8	50.6	48.7	58.8	69.1	50.6	49.5	44.8	52.8	75.7	112.1	49.0
1999	48.5	50.2	46.9	47.6	49.0	46.0	52.5	60.8	47.2	63.8	70.8	56.3	39.7	32.2	44.5	36.7	35.0	37.5
2000	51.7	50.8	51.8	50.8	49.3	51.4	51.2	54.4	48.3	82.4	101.5	71.6	55.3	60.2	51.9	46.1	45.0	47.8
2001	47.7	48.3	46.8	46.2	47.1	45.0	55.4	50.8	57.7	79.6	80.0	76.2	44.3	46.6	42.9	51.1	49.2	52.1
2002	47.0	47.3	46.7	45.9	45.3	46.2	53.9	62.6	47.8	69.6	57.9	72.9	39.4	46.5	34.7	57.6	72.6	46.9
2003	43.9	42.9	43.8	41.7	40.1	42.1	61.9	65.7	59.2	69.0	60.6	73.5	36.4	45.8	29.9	35.9	42.5	31.1
2004	43.6	42.7	43.6	41.4	40.6	41.3	61.3	62.4	60.1	71.5	69.0	69.1	27.5	20.1	31.8	45.1	31.6	64.4
2005	40.6	40.0	40.5	38.8	38.1	38.8	51.0	59.8	44.3	66.0	40.3	94.1	32.3	29.9	33.7	64.6	49.0	78.3
2006	34.8	33.4	35.2	34.1	31.3	35.5	37.3	43.9	32.1	58.2	86.0	41.1	27.0	32.8	23.0	18.4	6.8	25.9
2007	30.6	27.7	32.2	29.7	26.9	31.2	34.9	30.0	37.8	34.1	30.9	36.5	22.0	23.9	20.3	37.7	85.6	40.0
2008	30.3	29.6	30.5	29.2	28.0	29.9	33.6	34.6	32.0	40.0	42.9	38.9	23.5	26.2	21.8	36.2	32.8	38.9
2009	28.9	28.2	29.1	27.5	26.6	27.9	33.8	34.3	32.7	42.8	31.4	54.5	24.7	33.5	20.0	39.2	43.6	35.9
2010	30.7	28.9	31.3	29.4	27.2	30.5	35.1	34.8	34.6	53.5	41.4	58.1	29.8	30.0	29.5	26.0	30.7	21.7
2011	30.6	28.0	32.3	30.4	26.2	30.7	34.9	33.3	35.6	56.5	43.3	64.3	29.7	24.8	33.1	29.1	34.2	26.2
2012	29.9	30.0	29.4	28.1	28.0	27.6	35.5	37.8	33.6	56.0	50.9	57.7	27.1	30.3	24.5	30.9	26.4	33.3
2013	28.2	27.2	28.5	27.1	25.7	27.7	29.7	30.8	28.5	54.4	51.4	54.6	23.4	18.6	25.3	30.7	30.0	31.2
Malignant neoplasms																		
1980	191.3	242.3	154.6	197.7	253.8	157.9	160.3	175.0	150.2	214.3	272.3	167.0	107.0	122.0	94.0	41.4	67.4	22.2
1990	190.4	238.8	156.2	195.1	245.9	160.0	162.6	185.3	143.4	244.2	360.7	155.6	122.1	123.1	121.0	109.3	132.4	86.1
1991	197.7	246.5	163.2	203.7	253.3	169.1	162.4	204.1	132.3	252.6	333.9	187.6	130.9	158.1	109.7	135.2	149.6	128.0
1992	194.0	244.5	157.7	198.8	250.0	161.9	170.7	210.8	142.6	258.2	378.8	168.9	116.1	126.7	108.4	118.6	155.9	86.1
1993	193.2	240.6	159.8	198.0	245.5	164.4	180.9	242.4	140.2	196.3	241.0	160.3	129.8	143.3	120.0	131.4	154.5	113.3
1994	190.9	238.2	157.5	196.9	246.3	161.8	156.3	184.7	137.7	224.1	310.8	164.6	108.5	121.2	98.9	170.5	254.3	109.9
1995	183.2	224.8	153.4	187.2	228.1	157.9	160.9	220.2	120.3	247.1	330.0	187.8	133.5	151.9	119.2	171.1	181.2	165.3
1996	183.6	228.5	151.2	188.8	234.7	155.7	160.6	206.7	129.1	228.5	304.6	175.2	139.8	146.3	135.6	77.0	102.1	59.2
1997	178.8	217.2	150.8	184.5	221.2	157.8	146.4	199.7	108.1	241.9	343.2	175.5	116.0	146.2	92.8	88.5	84.5	93.0
1998	174.5	211.2	147.8	179.2	216.0	152.4	150.8	184.9	124.8	222.4	293.1	183.4	117.0	134.2	104.1	114.0	110.0	115.2
1999	176.7	212.6	150.5	182.2	218.0	155.6	145.9	179.9	122.6	214.4	302.2	156.7	114.1	128.1	104.0	95.5	120.2	79.3
2000	170.4	204.0	145.8	174.8	208.1	150.0	156.9	201.5	126.0	216.1	274.7	178.0	123.0	142.7	107.2	103.4	103.6	103.1
2001	169.2	199.8	147.5	173.1	203.7	151.4	155.6	196.8	126.9	213.0	247.6	195.0	121.7	128.8	115.4	147.0	175.5	127.1
2002	168.6	209.1	139.1	172.4	213.2	142.5	156.3	211.2	118.0	222.7	290.3	176.0	117.6	125.8	112.5	116.5	126.5	108.5
2003	169.4	208.3	141.3	171.2	212.4	141.2	168.5	209.2	140.1	218.5	245.6	200.8	120.7	112.6	126.7	132.9	132.8	132.6
2004	164.7	201.2	138.6	165.4	202.9	138.1	161.6	218.1	123.6	227.7	274.2	200.5	139.3	150.9	131.8	111.0	72.9	165.2
2005	161.8	197.1	136.1	162.4	197.6	136.8	165.9	217.1	130.8	217.9	216.7	219.3	122.2	159.7	97.5	112.7	122.5	104.0
2006	154.7	187.0	131.0	162.8	195.5	138.4	124.7	160.9	98.7	163.5	216.0	127.7	83.1	93.9	79.5	82.0	113.2	64.1
2007	148.0	176.7	125.6	154.6	184.4	131.1	118.6	144.3	99.0	153.4	178.3	135.2	113.9	135.0	100.1	84.2	248.1	81.6
2008	145.5	173.8	123.0	150.4	179.7	127.0	123.8	151.9	101.5	149.2	150.1	146.3	106.7	126.4	93.2	104.4	149.4	74.0
2009	147.2	174.9	125.8	151.1	179.8	128.7	128.4	157.1	105.9	153.1	160.3	154.2	113.3	127.5	103.5	108.1	122.0	98.7
2010	150.5	180.6	127.1	155.6	185.8	131.6	126.2	148.8	110.6	182.6	231.0	144.8	106.4	137.8	86.6	96.2	130.7	74.2
2011	151.3	179.3	129.5	170.3	182.2	132.4	136.3	176.0	107.3	167.1	170.6	169.0	100.8	116.3	90.9	116.6	126.2	110.2
2012	149.8	180.3	125.9	155.6	185.9	131.5	127.2	161.8	102.4	180.1	220.1	147.1	100.8	114.5	90.4	100.5	113.1	94.6
2013	149.6	175.0	129.9	154.3	180.9	133.3	129.8	147.2	117.0	190.4	209.3	176.5	118.2	126.0	114.5	100.1	131.4	81.4
-----Lung cancer																		
1980	49.3	78.1	26.8	52.6	83.6	28.8	30.0	43.3	18.9	55.5	84.3	28.7	9.3	11.7	6.8	0.0	0.0	0.0
1990	51.7	71.9	36.5	55.1	75.9	39.6	31.5	41.9	22.7	66.2	123.1	19.9	8.7	12.7	5.4	30.5	53.6	8.8
1991	54.5	76.4	37.7	58.7	80.4	42.0	30.2	53.2	14.2	71.3	129.4	25.5	11.3	23.0	1.8	28.5	45.2	16.9
1992	54.5	76.4	37.8	58.5	81.1	41.3	33.6	52.4	19.7	67.0	102.0	36.8	7.1	10.2	4.7	26.3	18.5	32.2
1993	53.4	75.4	36.5	58.0	80.6	40.6	31.5	50.1	17.6	49.4	91.4	14.6	12.6	13.7	11.7	16.9	22.5	13.9
1994	52.2	71.5	37.2	56.3	76.3	40.8	28.9	40.1	20.3	64.9	107.1	34.0	8.8	15.3	3.6	28.5	65.4	0.0
1995	50.8	68.3	37.3	54.1	71.3	40.7	29.3	48.7	15.3	78.3	127.9	41.4	14.0	23.8	6.2	35.9	39.3	34.1
1996	51.4	69.3	37.2	55.3	73.4	40.8	29.1	50.9	14.1	62.7	92.7	39.2	11.2	16.4	6.7	14.5	16.3	13.6
1997	50.2	66.4	37.9	54.0	69.3	42.2	26.3	48.3	10.8	75.1	127.4	37.4	12.4	19.8	6.7	17.1	29.7	8.0
1998	48.4	62.4	37.6	52.0	65.8	41.2	29.2	45.4	17.5	58.3	81.2	43.6	11.3	12.2	10.4	33.2	48.9	20.0
1999	51.0	65.8	39.6	55.4	70.2	43.8	28.0	43.1	17.5	45.0	76.2	23.5	11.6	12.6	10.9	24.1	46.0	8.8
2000	46.1	59.2	35.8	49.1	61.9	39.1	31.6	49.6	18.1	65.8	79.8	52.1	8.9	13.1	5.5	29.6	29.0	29.8
2001	44.5	54.8	36.4	47.6	57.0	40.2	29.2	49.4	14.4	55.7	78.9	39.5	9.8	11.9	8.1	41.7	62.8	27.1
2002	46.6	58.6	37.1	50.1	62.4	40.4	27.7	40.0	18.3	61.2	74.7	49.5	13.1	13.4	13.0	24.7	24.5	24.6
2003	47.4	61.0	37.1	50.6	64.0	40.3	33.5	49.6	21.5	59.4	80.8	45.6	13.2	17.2	10.3	21.9	26.3	18.5
2004	45.4	57.3	36.3	48.2	59.6	39.3	29.4	49.4	14.7	61.4	74.4	53.0	17.3	21.5	14.2	21.5	15.7	30.3
2005	43.0	54.1	34.4	45.9	56.8	37.4	29.0	45.0	17.3	53.0	58.6	46.8	6.5	9.0	4.7	19.7	18.8	20.4
2006	42.7	53.5	34.2	47.4	58.6	38.5	21.4	31.6	13.8	45.9	65.9	33.9	4.7	4.3	4.9	18.4	32.5	9.2
2007	38.2	47.2	30.9	42.4	51.7	34.8	20.5	30.4	12.4	39.6	46.3	35.7	9.9	14.2	6.8	21.5	48.0	23.1
2008	38.5	47.7	31.2	42.3	51.7	34.8	20.0	27.7	13.7	37.1	45.4	27.8	11.2	10.1	11.7	32.7	49.1	21.8
2009	39.0	47.4	32.2	42.7	51.5	35.5	23.7	33.9	15.8	38.7	38.3	39.8	10.0	7.1	12.6	26.6	37.0	19.1
2010	38.1	46.1	31.5	41.7	49.5	35.3	20.6	28.5	14.6	36.6	41.7	31.4	7.5	12.5	3.6	22.1	36.9	12.8
2011	37.8	46.1	31.1	46.7	49.2	34.9	22.9	35.9	13.3	36.6	40.4	33.3	7.9	13.8	3.9	20.8	33.9	13.4
2012	37.7	45.2	31.6	41.5	49.0	35.3	22.0	30.6	15.6	43.0	50.7	36.7	9.3	7.9	9.8	20.9	33.6	13.5
2013	36.4	42.9	31.0	40.2	46.7	34.8	22.1	27.6	17.3	40.5	57.3	29.4	10.0	11.6	9.5	22.9	31.6	17.6

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2013

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
-----Colorectal cancer																		
1980	22.9	26.7	19.9	24.4	28.6	21.0	15.3	18.0	13.0	14.1	12.4	14.7	3.6	2.4	4.5	13.4	33.3	0.0
1990	19.4	22.1	17.1	19.9	23.3	17.1	17.4	14.7	18.3	24.8	20.1	29.9	1.1	2.4	0.0	6.8	9.3	4.9
1991	19.1	23.0	16.2	19.4	23.5	16.4	20.2	21.2	19.1	18.1	12.7	22.0	9.2	16.4	3.4	13.3	15.6	13.0
1992	17.1	21.6	13.7	17.5	21.8	14.1	16.0	38.7	10.6	27.9	38.7	22.9	6.4	5.5	7.0	7.5	14.9	2.0
1993	18.3	22.4	15.1	18.7	23.0	15.4	16.9	20.7	13.7	23.5	33.9	16.2	5.8	1.5	9.1	14.0	4.0	21.5
1994	18.7	21.7	16.3	19.4	22.4	17.0	16.4	17.3	15.8	18.1	30.9	7.7	8.2	6.7	9.3	14.1	20.0	10.4
1995	18.8	20.7	17.1	19.3	21.4	17.5	13.7	15.5	11.7	26.4	25.1	27.5	13.2	7.8	17.4	15.2	32.4	2.7
1996	19.6	24.6	15.9	19.8	25.0	15.8	19.7	23.7	16.8	36.2	36.9	37.9	11.3	18.5	6.0	0.0	0.0	0.0
1997	18.3	22.0	15.4	18.8	22.4	16.0	14.5	19.8	10.3	27.2	27.1	26.4	6.9	9.1	5.1	20.3	7.5	30.7
1998	20.3	25.7	16.0	20.2	25.6	16.1	20.4	27.0	14.9	41.8	39.8	20.7	10.5	9.8	10.3	16.4	6.4	23.2
1999	19.1	23.5	15.6	19.2	23.7	15.8	17.3	20.3	14.4	31.2	38.1	24.3	6.8	4.3	8.5	3.6	5.0	2.6
2000	17.0	20.5	14.1	17.4	20.7	14.6	16.4	20.5	13.5	16.3	26.3	9.7	8.2	15.1	2.7	6.6	12.9	2.2
2001	16.7	19.0	14.8	16.9	19.0	15.2	16.6	22.1	12.9	27.4	26.2	25.2	7.2	7.8	6.3	10.6	15.3	7.2
2002	16.5	20.6	13.4	16.9	21.0	13.6	16.2	23.4	11.7	26.4	36.4	19.8	9.1	7.9	9.3	9.7	13.9	7.0
2003	17.9	21.8	14.7	17.9	22.0	14.4	21.2	25.5	17.9	26.3	22.3	28.2	6.3	10.2	3.7	3.0	4.8	1.8
2004	15.3	18.9	12.6	15.5	19.2	12.8	13.1	15.8	11.5	27.3	41.2	16.9	9.3	14.1	5.6	11.0	7.7	15.9
2005	15.4	18.9	12.8	15.2	18.8	12.5	17.6	21.5	14.8	27.0	23.7	30.6	7.5	10.0	6.0	12.5	18.7	7.1
2006	14.6	18.1	12.0	15.1	18.9	12.0	14.2	15.8	13.1	14.9	21.1	10.1	4.7	3.5	5.5	6.5	11.4	3.9
2007	14.4	17.7	11.5	15.0	18.1	12.3	12.0	16.5	8.6	15.7	19.3	11.8	8.0	10.6	5.3	9.4	28.7	9.8
2008	13.1	15.1	11.3	13.2	15.0	11.4	13.2	15.5	11.2	16.4	20.3	13.0	11.1	11.9	10.9	8.6	14.9	4.2
2009	12.9	14.9	11.2	12.9	15.1	11.0	13.8	16.7	11.5	14.1	14.0	14.9	8.5	7.4	9.1	13.8	16.4	12.5
2010	13.8	16.6	11.4	13.9	16.0	12.1	13.5	19.0	9.2	21.9	28.9	16.0	12.4	19.9	8.0	10.3	22.2	2.6
2011	13.4	15.4	11.6	14.4	15.3	11.4	13.6	16.5	11.2	20.2	12.6	25.6	9.9	12.0	7.4	14.3	16.2	12.7
2012	13.1	15.8	10.7	13.4	16.0	11.2	12.2	17.0	8.3	20.5	23.9	17.4	7.1	7.8	6.3	9.8	8.0	11.4
2013	13.6	15.3	12.3	13.7	15.5	12.2	12.5	14.3	10.9	21.7	19.6	23.0	11.3	7.3	14.0	12.1	13.0	11.7
-----Female breast cancer																		
1980	NA	NA	31.1	NA	NA	33.7	NA	NA	18.2	NA	NA	34.0	NA	NA	4.7	NA	NA	0.0
1990	NA	NA	29.5	NA	NA	31.3	NA	NA	27.5	NA	NA	16.3	NA	NA	3.2	NA	NA	0.0
1991	NA	NA	28.3	NA	NA	30.3	NA	NA	14.5	NA	NA	25.7	NA	NA	15.5	NA	NA	24.6
1992	NA	NA	28.0	NA	NA	30.3	NA	NA	16.6	NA	NA	22.9	NA	NA	8.8	NA	NA	3.9
1993	NA	NA	29.2	NA	NA	30.6	NA	NA	19.3	NA	NA	42.7	NA	NA	16.6	NA	NA	8.7
1994	NA	NA	28.6	NA	NA	29.2	NA	NA	23.1	NA	NA	41.3	NA	NA	9.2	NA	NA	25.5
1995	NA	NA	23.7	NA	NA	24.5	NA	NA	16.7	NA	NA	31.2	NA	NA	9.9	NA	NA	49.0
1996	NA	NA	24.1	NA	NA	24.8	NA	NA	19.9	NA	NA	39.0	NA	NA	18.2	NA	NA	4.8
1997	NA	NA	26.5	NA	NA	27.8	NA	NA	22.3	NA	NA	38.4	NA	NA	9.6	NA	NA	2.1
1998	NA	NA	24.8	NA	NA	26.3	NA	NA	20.1	NA	NA	28.9	NA	NA	7.7	NA	NA	7.0
1999	NA	NA	24.4	NA	NA	25.9	NA	NA	15.7	NA	NA	32.8	NA	NA	9.9	NA	NA	13.5
2000	NA	NA	25.4	NA	NA	26.2	NA	NA	20.7	NA	NA	29.5	NA	NA	12.1	NA	NA	12.8
2001	NA	NA	23.6	NA	NA	24.7	NA	NA	17.5	NA	NA	55.8	NA	NA	11.7	NA	NA	12.7
2002	NA	NA	22.2	NA	NA	22.5	NA	NA	18.7	NA	NA	42.3	NA	NA	9.6	NA	NA	17.7
2003	NA	NA	22.1	NA	NA	22.3	NA	NA	18.9	NA	NA	41.2	NA	NA	16.4	NA	NA	19.6
2004	NA	NA	21.4	NA	NA	21.4	NA	NA	18.0	NA	NA	32.2	NA	NA	18.4	NA	NA	35.2
2005	NA	NA	20.7	NA	NA	20.5	NA	NA	19.8	NA	NA	35.7	NA	NA	14.9	NA	NA	17.3
2006	NA	NA	21.6	NA	NA	23.2	NA	NA	14.0	NA	NA	25.7	NA	NA	6.9	NA	NA	7.5
2007	NA	NA	20.1	NA	NA	20.5	NA	NA	16.9	NA	NA	23.9	NA	NA	16.2	NA	NA	11.3
2008	NA	NA	19.8	NA	NA	20.6	NA	NA	15.1	NA	NA	38.0	NA	NA	11.6	NA	NA	7.1
2009	NA	NA	19.2	NA	NA	19.8	NA	NA	16.4	NA	NA	30.7	NA	NA	11.6	NA	NA	5.9
2010	NA	NA	19.2	NA	NA	19.9	NA	NA	18.5	NA	NA	25.8	NA	NA	8.2	NA	NA	12.9
2011	NA	NA	19.7	NA	NA	20.8	NA	NA	12.2	NA	NA	24.1	NA	NA	7.5	NA	NA	15.6
2012	NA	NA	19.2	NA	NA	20.0	NA	NA	14.8	NA	NA	30.3	NA	NA	8.6	NA	NA	15.3
2013	NA	NA	20.7	NA	NA	21.3	NA	NA	19.7	NA	NA	23.3	NA	NA	13.1	NA	NA	11.4
-----Prostate cancer																		
1980	NA	29.4	NA	NA	29.3	NA	NA	32.2	NA	NA	45.9	NA	NA	28.0	NA	NA	0.0	NA
1990	NA	34.0	NA	NA	34.1	NA	NA	28.3	NA	NA	94.9	NA	NA	20.4	NA	NA	13.9	NA
1991	NA	36.1	NA	NA	36.9	NA	NA	24.8	NA	NA	77.0	NA	NA	21.3	NA	NA	27.7	NA
1992	NA	33.0	NA	NA	32.7	NA	NA	32.5	NA	NA	89.0	NA	NA	20.2	NA	NA	12.7	NA
1993	NA	34.2	NA	NA	34.0	NA	NA	40.9	NA	NA	29.1	NA	NA	27.6	NA	NA	29.0	NA
1994	NA	32.4	NA	NA	32.9	NA	NA	29.3	NA	NA	45.0	NA	NA	14.9	NA	NA	17.2	NA
1995	NA	34.8	NA	NA	34.4	NA	NA	39.9	NA	NA	58.6	NA	NA	26.8	NA	NA	25.2	NA
1996	NA	31.0	NA	NA	31.4	NA	NA	30.7	NA	NA	57.8	NA	NA	10.3	NA	NA	22.9	NA
1997	NA	29.7	NA	NA	30.0	NA	NA	24.8	NA	NA	76.9	NA	NA	11.0	NA	NA	19.2	NA
1998	NA	26.5	NA	NA	25.4	NA	NA	28.9	NA	NA	82.6	NA	NA	20.4	NA	NA	20.2	NA
1999	NA	23.7	NA	NA	23.8	NA	NA	23.0	NA	NA	46.9	NA	NA	11.3	NA	NA	16.6	NA
2000	NA	28.4	NA	NA	28.0	NA	NA	30.0	NA	NA	74.8	NA	NA	27.1	NA	NA	8.9	NA
2001	NA	24.3	NA	NA	24.1	NA	NA	26.3	NA	NA	45.0	NA	NA	14.0	NA	NA	24.2	NA
2002	NA	24.8	NA	NA	24.1	NA	NA	35.3	NA	NA	48.6	NA	NA	12.5	NA	NA	8.4	NA
2003	NA	25.1	NA	NA	25.2	NA	NA	22.4	NA	NA	41.2	NA	NA	21.0	NA	NA	7.6	NA
2004	NA	24.0	NA	NA	22.6	NA	NA	35.0	NA	NA	54.6	NA	NA	31.2	NA	NA	6.1	NA
2005	NA	23.8	NA	NA	23.5	NA	NA	30.6	NA	NA	20.4	NA	NA	23.5	NA	NA	5.1	NA
2006	NA	20.1	NA	NA	19.2	NA	NA	25.9	NA	NA	34.9	NA	NA	16.9	NA	NA	24.0	NA
2007	NA	18.9	NA	NA	19.5	NA	NA	15.8	NA	NA	23.6	NA	NA	16.6	NA	NA	19.4	NA
2008	NA	19.1	NA	NA	18.9	NA	NA	20.3	NA	NA	20.5	NA	NA	14.7	NA	NA	25.5	NA
2009	NA	18.4	NA	NA	18.2	NA	NA	20.0	NA	NA	28.9	NA	NA	16.4	NA	NA	2.1	NA
2010	NA	19.1	NA	NA	18.4	NA	NA	23.9	NA	NA	35.2	NA	NA	21.6	NA	NA	12.6	NA
2011	NA	19.8	NA	NA	19.5	NA	NA	20.6	NA	NA	24.1	NA	NA	17.1	NA	NA	5.0	NA
2012	NA	18.9	NA	NA	18.8	NA	NA	22.0	NA	NA	26.7	NA	NA	12.4	NA	NA	9.8	NA
2013	NA	18.2	NA	NA	18.0	NA	NA	17.0	NA	NA	26.7	NA	NA	19.9	NA	NA	18.5	NA

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2013

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Chronic lower respiratory diseases[b]																		
1980	47.4	76.6	25.3	50.9	81.2	27.7	26.0	52.7	6.9	34.2	56.3	16.8	15.4	25.8	6.8	9.2	17.5	0.0
1990	44.4	58.2	35.0	47.7	62.5	37.9	19.9	26.7	15.3	29.7	48.6	15.6	16.4	18.9	14.6	32.6	27.9	32.6
1991	46.4	63.6	35.0	49.4	67.2	37.8	25.6	38.8	16.4	55.1	89.9	27.9	18.3	16.9	19.2	9.1	19.9	0.0
1992	43.9	57.6	34.6	47.3	61.8	37.4	19.0	29.0	12.9	34.6	61.5	15.3	13.6	8.2	17.7	19.6	25.2	15.5
1993	48.5	63.4	38.0	51.3	66.4	40.8	28.4	43.3	17.7	44.9	75.3	21.9	21.4	25.2	18.8	30.3	29.4	31.4
1994	44.6	58.6	35.7	47.5	61.6	38.6	24.0	36.6	16.2	44.1	76.1	24.1	18.4	22.9	14.9	12.7	28.6	0.0
1995	46.9	57.2	39.7	49.4	59.6	42.2	29.6	42.4	20.4	39.6	72.4	20.4	22.9	21.1	24.5	25.7	55.4	2.7
1996	47.1	56.4	40.9	50.9	60.0	44.9	23.2	31.7	17.5	26.3	38.9	15.3	17.3	24.7	11.7	11.6	22.3	3.1
1997	50.1	61.5	42.2	53.9	65.4	46.1	23.2	40.4	12.2	41.8	40.3	42.2	16.7	24.3	10.6	25.7	27.6	24.0
1998	49.2	60.5	41.8	52.6	63.7	45.4	28.1	36.4	22.3	39.7	60.3	26.0	15.2	27.0	6.0	23.0	24.7	21.6
1999	50.1	59.8	43.8	53.6	63.0	47.6	23.1	33.5	16.4	44.9	76.8	26.4	19.2	15.2	22.1	15.5	23.4	9.7
2000	47.4	56.2	41.3	51.1	59.8	44.8	24.4	38.2	15.9	30.4	38.4	26.3	21.9	28.9	17.9	12.7	7.8	16.5
2001	46.9	53.9	42.2	51.0	58.1	46.2	17.7	25.4	12.5	37.9	48.9	32.2	26.8	30.0	24.3	21.4	19.2	23.0
2002	47.0	57.1	40.3	50.4	59.4	44.5	25.2	46.6	11.2	38.3	59.0	21.9	22.3	30.1	17.0	24.5	45.8	9.0
2003	45.4	53.8	40.0	48.3	56.5	42.9	28.7	39.9	22.1	30.3	39.7	23.1	19.4	20.8	18.4	15.5	34.4	2.1
2004	41.9	48.1	37.7	45.1	51.3	41.0	22.7	29.5	17.8	24.9	38.8	14.8	10.8	4.7	15.1	21.6	27.1	14.2
2005	46.8	51.3	43.5	49.6	53.6	46.7	31.6	42.7	24.0	43.9	49.4	37.9	12.0	12.9	11.4	17.9	22.6	13.8
2006	44.3	50.2	40.1	49.2	55.5	44.7	18.3	20.9	16.2	27.3	28.8	25.6	8.4	6.2	10.4	9.9	26.2	0.0
2007	39.2	43.5	36.0	43.7	47.9	40.7	18.8	26.4	13.4	18.7	10.1	26.7	13.0	20.1	8.4	7.5	19.9	6.1
2008	42.2	46.6	39.0	46.9	51.0	43.8	20.5	24.3	18.0	26.0	33.9	19.1	15.8	23.9	9.5	13.7	22.4	8.5
2009	40.5	44.7	37.1	45.0	48.7	42.1	16.4	20.2	13.4	26.8	34.1	20.8	19.2	29.5	12.3	18.0	33.4	8.1
2010	42.6	48.1	38.6	47.1	52.2	43.4	18.6	25.4	14.3	27.4	32.2	23.8	21.7	24.1	20.0	12.0	29.5	1.7
2011	45.9	49.7	42.8	55.3	53.3	48.5	19.5	26.5	14.7	34.8	48.5	24.7	14.4	14.7	14.4	17.2	26.4	11.9
2012	44.2	50.5	39.5	49.4	55.5	44.8	20.3	27.1	16.1	35.0	43.4	30.9	18.0	27.4	12.1	14.7	14.3	14.2
2013	44.5	48.1	41.8	49.3	52.5	47.0	20.9	24.6	18.2	46.7	56.4	37.5	15.5	11.7	18.4	19.4	32.0	12.4
Chronic liver disease and cirrhosis																		
1980	17.0	21.7	13.0	12.8	16.4	9.7	23.5	31.1	16.6	16.8	13.2	20.7	90.3	113.8	69.3	0.0	0.0	0.0
1990	12.4	17.3	8.3	10.3	14.1	7.1	15.4	23.2	8.4	17.4	25.3	9.0	48.6	60.2	38.1	10.8	16.4	7.1
1991	13.6	18.3	9.4	10.6	14.3	7.3	18.4	27.1	10.1	10.0	15.5	3.7	64.0	74.5	55.3	0.0	0.0	0.0
1992	12.2	16.5	8.5	9.8	13.2	7.1	15.2	22.7	7.9	13.0	17.3	7.7	52.5	61.2	44.7	12.7	23.4	3.6
1993	13.5	18.5	9.0	10.8	14.6	7.4	22.1	34.4	10.7	11.0	13.7	6.2	48.0	54.6	41.4	0.0	0.0	0.0
1994	13.9	19.1	9.0	11.1	15.0	7.6	21.3	33.4	10.2	5.8	10.4	1.1	50.3	60.5	40.8	5.8	6.8	5.1
1995	13.5	18.1	9.3	10.5	14.2	7.1	21.0	29.9	12.8	17.1	23.2	10.5	54.9	63.0	47.4	10.4	2.4	16.4
1996	12.4	16.3	8.9	10.3	14.5	6.4	18.0	20.2	15.3	9.7	13.2	6.9	46.7	44.4	47.7	1.9	4.7	0.0
1997	13.4	18.6	8.7	11.2	16.0	6.8	20.4	29.8	12.2	9.8	9.6	10.3	46.3	54.9	39.1	2.8	0.0	4.7
1998	12.4	17.7	7.6	10.2	14.4	6.5	16.5	25.9	8.0	7.9	7.7	7.4	53.5	75.4	34.5	2.6	6.3	0.0
1999	12.0	16.8	7.5	9.7	13.9	6.0	21.7	31.3	13.0	7.5	12.7	1.8	38.5	46.2	31.7	3.8	5.6	2.5
2000	12.8	17.7	8.3	10.4	14.9	6.4	15.8	20.5	11.0	6.6	7.1	5.9	61.7	80.2	45.3	4.1	6.9	2.2
2001	12.3	17.7	7.5	10.6	15.0	6.6	17.4	27.0	8.7	11.7	24.1	2.0	39.1	51.1	28.4	4.0	3.8	4.2
2002	12.1	15.6	8.9	9.9	11.9	8.0	21.6	31.9	12.3	9.8	14.6	5.5	40.5	55.6	27.5	5.3	2.9	7.0
2003	11.5	16.2	7.1	9.7	13.8	5.8	17.6	25.1	10.6	3.5	6.3	1.0	38.8	49.6	29.8	3.3	0.0	5.8
2004	11.1	15.6	6.9	8.4	11.7	5.4	18.6	26.6	10.6	6.7	7.3	6.5	51.0	68.9	36.1	3.8	7.0	2.4
2005	12.7	17.7	8.1	10.7	15.1	6.6	19.4	28.6	11.4	12.8	14.7	10.7	51.2	60.3	42.8	4.9	10.4	0.0
2006	11.4	14.3	8.5	9.6	11.8	7.6	15.5	19.9	11.1	7.2	11.6	4.2	43.6	54.3	32.7	3.1	3.8	2.5
2007	11.3	15.4	7.6	9.6	13.0	6.6	16.3	23.5	9.4	5.9	9.9	2.3	36.8	46.9	28.3	3.2	5.5	4.2
2008	11.7	15.3	8.4	10.0	13.2	7.1	15.4	19.9	11.2	7.5	9.2	5.6	40.7	52.8	30.5	1.8	2.6	1.1
2009	12.2	15.4	9.1	9.5	12.8	6.4	18.7	21.4	15.7	3.1	3.4	2.7	54.0	57.9	49.9	3.1	6.4	1.1
2010	12.3	16.1	8.8	9.7	13.6	6.1	15.5	20.9	10.3	8.0	9.5	7.0	64.6	63.9	64.9	0.5	1.2	0.0
2011	13.4	18.0	9.2	12.0	14.7	8.1	18.9	29.2	9.8	6.6	5.5	7.6	43.6	46.7	40.4	4.2	9.0	0.9
2012	13.6	18.7	9.0	11.4	15.9	7.2	16.9	25.7	9.2	10.9	14.8	8.5	59.2	63.3	55.5	2.6	6.1	0.0
2013	14.5	18.2	11.1	12.6	15.5	10.0	16.7	23.0	10.8	6.8	9.9	3.9	62.0	70.1	55.0	3.9	4.3	3.4
Diabetes																		
1980	16.0	14.4	16.9	12.8	13.0	12.6	28.3	16.3	37.4	44.5	6.3	73.7	74.6	58.4	89.1	22.4	16.7	27.9
1990	15.6	16.9	14.2	12.0	13.2	10.8	31.5	32.2	30.0	26.0	20.2	29.0	77.4	86.1	70.2	5.5	7.2	4.4
1991	16.4	18.8	14.7	13.5	16.4	11.3	31.3	32.1	30.5	37.0	27.3	44.4	60.4	55.3	64.5	20.8	48.1	13.9
1992	17.6	18.9	16.4	13.4	14.7	12.3	41.5	46.4	37.6	34.5	26.4	41.3	74.1	77.2	71.6	2.2	5.8	0.0
1993	16.6	16.5	16.5	13.3	13.5	12.9	33.3	28.7	36.5	40.5	55.1	30.0	61.4	60.7	61.5	21.4	6.3	34.4
1994	18.7	19.5	17.7	14.9	16.5	13.5	35.2	31.6	38.1	36.1	32.3	35.3	79.3	73.7	82.6	9.3	4.2	13.5
1995	18.8	19.4	18.4	15.0	16.0	14.2	38.8	39.4	38.3	50.0	38.3	56.6	65.2	52.2	74.8	11.0	21.8	2.7
1996	20.1	21.6	19.1	15.8	18.4	13.9	38.6	39.8	38.6	60.6	48.6	72.2	68.3	58.7	75.8	9.4	3.7	13.6
1997	20.4	21.5	19.4	15.3	17.0	13.9	46.7	48.4	45.5	45.3	31.5	53.1	80.2	69.0	88.9	30.4	39.7	24.5
1998	20.8	24.2	18.1	16.4	20.5	13.2	45.3	45.4	45.0	34.1	20.3	41.4	78.4	79.4	76.6	13.5	13.3	12.9
1999	21.1	25.0	18.3	15.9	20.7	12.4	48.2	48.7	46.9	44.4	43.4	47.0	88.3	70.5	101.9	12.3	15.3	10.1
2000	19.0	21.0	17.2	14.9	17.4	12.6	41.1	41.9	40.6	46.0	40.9	47.4	74.6	74.1	74.2	19.5	10.9	26.1
2001	19.9	22.9	17.5	15.4	19.2	12.2	42.9	43.5	42.3	55.7	42.2	64.1	72.8	71.2	73.9	14.8	3.0	23.3
2002	22.3	25.6	19.7	18.0	21.8	15.1	45.6	49.1	42.6	41.0	46.4	37.2	80.8	69.2	88.6	21.9	15.7	26.3
2003	20.3	23.6	17.5	16.5	20.6	13.1	39.1	35.9	40.9	53.6	55.0	49.8	55.8	48.2	60.3	15.7	22.2	11.6
2004	20.7	23.4	18.4	16.8	19.7	14.4	43.5	44.2	42.0	44.8	47.7	42.6	59.0	58.4	58.8	30.0	29.1	31.6
2005	20.1	24.7	16.7	15.5	20.2	12.1	46.0	49.9	42.4	55.2	56.2	54.0	69.9	73.5	68.2	17.8	17.7	18.0
2006	18.9	22.5	15.9	15.2	18.4	12.5	40.4	46.1	35.3	43.9	49.7	42.3	43.9	49.3	39.5	10.9	9.7	11.4
2007	17.0	20.5	13.9	13.7	17.4	10.4	30.8	32.6	28.9	30.3	32.0	30.0	51.1	61.1	42.1	5.1	12.8	4.4
2008	17.0	20.7	13.9	13.8	17.9	10.5	29.1	29.7	27.7	30.8	35.4	29.2	50.8	47.9	52.5	16.1	22.9	12.3
2009	15.7	18.2	13.5	12.2	15.5	9.4	28.1	29.2	27.2	31.1	28.6	34.9	54.2	46.6	59.9	16.2	18.5	14.4
2010	20.1	24.9	16.0	15.2	20.1	11.0	37.3	45.0	31.4	50.0	56.8	45.5	79.3	80.6	76.9	11.7	9.3	13.1
2011	24.8	30.3	20.2	21.6	25.1	15.7	41.7	48.4	35.9	57.8	71.9	44.4	61.3	50.7	68.8	23.3	32.4	17.4
2012	23.5	29.2	18.6	18.3	23.9	13.5	40.8	47.4	35.4	49.4	59.0	40.6	80.2	94.1	69.7	27.6	27.8	26.6
2013	23.6	29.1	18.8	18.6	24.0	14.0	40.7	45.8	36.3	60.2	68.0	55.8	65.7	79.7	55.0	17.9	18.5	17.9

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2013

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Accidents (unintentional injuries)																		
1980	57.9	86.0	31.8	52.2	75.8	30.1	58.8	91.3	28.6	51.5	72.2	29.6	186.1	313.2	71.2	45.5	72.0	20.9
1990	42.6	61.4	24.5	37.7	53.4	22.4	39.4	60.8	19.2	48.1	65.4	34.4	139.4	225.5	62.4	29.6	43.0	16.6
1991	38.5	53.5	24.3	32.5	44.2	21.3	48.4	69.6	29.3	36.1	53.4	20.2	123.3	204.1	52.9	19.1	22.1	16.4
1992	40.6	59.7	23.1	34.6	49.7	20.9	40.9	63.9	19.3	37.6	59.9	14.0	146.3	229.5	71.8	37.9	32.2	42.8
1993	42.6	61.8	24.4	36.5	52.0	21.9	46.8	75.7	20.5	41.3	52.9	29.3	143.4	234.9	64.9	26.4	7.7	40.3
1994	44.9	64.6	26.2	39.8	55.4	25.1	46.7	70.5	23.0	46.4	73.5	19.8	131.5	200.2	69.5	30.6	33.4	29.1
1995	45.1	64.4	26.2	41.3	56.8	26.2	44.1	66.0	22.7	52.9	80.9	28.4	113.2	181.8	50.2	20.6	32.3	10.5
1996	46.1	66.4	26.8	39.4	56.8	23.1	45.8	69.4	22.9	44.0	61.6	27.2	150.5	219.6	88.9	24.5	16.1	31.6
1997	44.9	63.8	26.5	39.9	56.5	24.0	43.7	64.8	23.7	50.3	63.5	36.9	146.4	219.1	80.1	14.9	14.8	13.6
1998	45.2	62.8	27.7	40.6	56.2	25.3	42.5	62.0	22.8	48.1	74.1	25.8	126.8	171.5	85.5	23.3	35.8	13.0
1999	44.4	62.5	27.0	38.0	52.8	23.9	46.8	68.6	24.9	39.7	52.6	24.5	127.0	181.0	77.7	27.2	42.2	15.3
2000	41.1	58.0	24.9	36.9	51.5	23.3	41.6	60.8	22.5	49.7	75.8	22.7	113.1	165.2	67.4	24.1	24.4	21.4
2001	46.6	66.5	27.7	42.5	59.5	26.8	45.6	63.9	25.9	52.6	83.2	22.4	112.7	177.5	53.9	29.9	41.3	46.6
2002	45.2	62.8	28.8	41.5	56.8	27.8	45.5	64.6	26.2	44.0	58.5	28.5	111.0	168.4	60.4	15.5	13.8	15.6
2003	44.8	61.6	28.8	40.9	55.2	27.6	44.7	63.3	26.3	52.4	69.8	35.0	108.6	153.5	66.3	25.3	35.2	17.8
2004	46.0	61.1	31.7	43.3	56.8	30.7	48.9	66.1	31.8	45.9	66.9	26.0	103.9	137.5	73.7	21.2	21.7	30.0
2005	51.1	68.7	34.4	46.2	62.4	31.4	54.8	71.5	37.2	64.3	80.3	46.9	117.8	174.1	67.4	34.2	41.2	28.1
2006	51.2	68.5	34.3	48.7	64.5	33.5	52.4	72.9	32.2	54.8	73.0	34.5	97.2	139.8	58.6	19.8	17.0	20.8
2007	46.6	60.6	32.3	44.9	57.7	32.2	40.6	53.5	27.5	48.1	62.8	29.6	95.0	143.9	50.3	20.3	72.6	20.3
2008	44.7	59.0	30.6	45.4	59.8	31.4	34.2	46.9	22.0	43.1	50.6	33.8	92.6	142.6	47.9	23.7	31.1	17.9
2009	43.1	56.6	29.8	43.3	56.6	30.4	35.3	48.2	23.3	36.5	42.1	30.0	92.6	144.4	46.4	24.5	27.6	21.1
2010	43.8	56.6	31.6	45.5	58.0	33.3	33.7	45.3	22.8	36.0	42.3	30.7	99.2	148.9	55.4	24.6	24.9	23.9
2011	45.5	58.3	32.6	46.9	57.3	33.9	38.9	51.9	26.4	41.6	50.3	34.4	100.6	146.7	58.0	19.7	28.4	14.0
2012	42.4	54.0	31.0	43.3	54.0	32.7	33.9	45.4	22.8	38.2	50.3	25.2	94.8	136.9	56.5	21.0	20.0	20.3
2013	46.3	60.1	32.8	47.9	61.2	34.7	38.5	51.4	26.3	43.3	68.7	23.5	104.5	150.5	62.9	13.4	12.7	13.2
-----Motor vehicle accidents																		
1980	31.9	47.1	17.4	28.2	41.2	15.7	34.6	49.8	19.8	23.3	31.7	13.7	103.6	162.5	50.4	27.6	32.4	20.9
1990	23.6	33.1	14.3	20.1	27.9	12.6	21.1	31.7	10.9	27.4	34.7	20.9	82.2	130.6	38.8	18.2	26.3	11.7
1991	20.6	27.8	13.4	16.2	22.3	10.1	27.9	36.2	20.2	9.4	13.9	4.0	73.8	112.7	38.5	6.1	0.0	10.8
1992	20.3	29.1	12.2	16.8	24.4	10.0	21.9	31.4	12.9	16.0	26.0	5.5	74.9	104.8	47.3	21.3	9.3	31.2
1993	20.1	27.8	12.6	15.8	21.7	10.1	22.3	35.2	10.0	15.0	19.2	9.2	80.4	115.8	49.3	15.8	5.8	22.7
1994	21.1	30.0	12.5	18.1	25.0	11.7	21.4	31.3	11.1	15.4	25.7	5.2	69.4	102.8	39.0	10.1	17.7	4.4
1995	23.1	32.0	14.4	19.9	25.8	14.2	21.8	30.5	12.4	28.1	41.1	16.5	69.0	114.1	27.7	15.4	23.1	8.2
1996	22.9	32.1	13.9	17.8	25.3	10.7	23.3	34.1	12.7	13.2	14.5	10.2	94.1	129.3	61.6	16.3	14.8	17.9
1997	20.5	28.2	12.7	16.9	23.6	10.3	20.9	29.0	12.9	23.9	36.7	13.7	79.4	109.8	50.6	7.9	8.3	6.7
1998	20.4	27.3	13.6	16.9	23.1	10.9	19.0	25.8	12.1	23.0	30.6	16.4	75.9	93.3	58.8	14.6	26.3	5.6
1999	19.6	27.5	11.8	14.6	20.4	9.2	24.4	34.9	13.8	16.3	23.8	8.2	68.4	100.4	39.1	15.3	20.7	11.1
2000	17.5	24.4	10.6	13.8	18.5	9.2	18.2	28.5	7.5	19.3	33.1	6.8	74.2	106.4	46.3	15.3	11.6	12.8
2001	17.2	24.2	10.1	13.5	18.5	8.5	18.2	26.3	9.4	19.1	28.8	7.2	63.2	88.8	38.3	8.6	7.7	9.9
2002	18.5	25.5	11.6	14.7	20.3	9.3	21.1	27.4	14.0	11.9	15.9	7.5	65.9	100.2	35.3	10.1	8.2	11.1
2003	18.0	24.9	11.2	14.6	20.3	9.0	21.3	29.1	13.6	15.2	23.3	8.1	59.0	78.0	40.4	11.8	14.1	9.9
2004	18.1	23.9	12.5	15.3	20.3	10.6	23.2	30.0	16.0	14.8	18.2	10.8	54.1	63.9	44.1	11.3	13.7	13.9
2005	18.9	27.0	11.1	15.0	21.9	8.4	22.7	33.1	12.6	24.9	31.4	17.8	62.6	91.3	36.4	10.2	14.5	6.3
2006	19.6	26.8	12.4	16.6	22.8	10.7	21.9	29.9	13.3	15.3	22.9	7.7	56.9	76.5	38.5	5.9	5.3	6.1
2007	16.2	22.2	10.1	13.1	18.3	8.0	17.6	22.6	12.2	13.6	18.2	7.6	49.0	72.8	27.2	9.9	37.6	10.6
2008	13.6	19.5	7.9	12.0	17.7	6.5	13.1	18.5	7.7	11.5	16.8	5.6	41.9	55.0	29.3	4.4	6.9	2.0
2009	11.6	16.8	6.5	10.1	15.2	5.1	10.6	14.4	6.7	12.4	14.2	10.3	36.9	51.0	23.3	6.5	11.2	3.0
2010	11.1	15.9	6.4	9.2	13.6	4.8	11.1	15.6	6.9	10.8	14.2	7.2	41.7	60.2	24.0	5.5	4.3	6.3
2011	12.1	17.6	6.9	10.4	14.5	5.6	11.7	17.6	6.2	11.7	16.6	7.5	44.2	66.8	23.7	6.8	6.3	7.3
2012	11.4	16.8	6.3	10.0	14.8	5.3	10.6	16.3	5.4	10.1	15.2	5.1	37.8	53.1	22.8	4.9	5.4	4.5
2013	11.4	16.3	6.6	10.2	15.1	5.3	11.4	15.5	7.3	12.0	18.1	4.8	31.7	40.3	23.5	5.8	8.6	3.8
Assault (homicide)																		
1980	10.4	15.0	5.8	7.3	9.4	5.3	15.9	25.2	6.2	48.3	71.3	21.4	25.3	40.6	11.6	2.8	6.7	0.0
1990	8.1	12.2	4.0	5.7	7.8	3.6	10.4	18.6	2.2	31.3	48.1	12.1	17.7	27.8	8.7	4.8	4.1	6.0
1991	8.6	12.7	4.5	5.4	7.5	3.2	13.0	20.0	5.8	22.3	38.3	4.3	24.2	34.7	14.3	24.8	32.9	19.1
1992	8.8	13.2	4.2	5.7	7.2	4.1	13.9	23.7	3.5	22.5	33.7	9.4	15.6	26.8	4.5	5.9	10.7	2.5
1993	9.2	13.5	4.9	5.9	7.7	4.1	15.1	24.8	5.3	30.8	50.4	10.6	16.5	25.8	7.4	3.7	2.0	4.7
1994	10.9	17.2	4.5	6.3	9.1	3.4	16.4	27.9	4.6	55.2	83.6	23.0	19.2	32.3	7.0	1.8	3.5	0.0
1995	11.6	18.0	5.0	7.3	10.2	4.3	17.5	28.6	5.3	36.0	54.8	13.6	19.6	33.3	6.7	1.7	3.3	0.0
1996	9.9	15.6	3.9	5.1	7.0	3.1	17.7	30.1	4.2	30.5	49.4	12.0	25.4	41.5	10.2	0.0	0.0	0.0
1997	9.2	14.3	3.8	5.0	6.9	3.2	16.2	29.1	3.1	23.4	39.7	4.2	17.4	23.8	11.3	5.4	5.1	5.9
1998	9.0	13.7	4.0	5.5	7.5	3.5	13.2	21.1	4.6	25.1	40.0	7.7	18.9	32.4	6.3	3.3	4.7	1.7
1999	8.5	12.1	4.7	4.4	5.4	3.5	14.0	22.9	4.3	23.2	31.9	14.2	19.9	26.9	13.6	4.2	3.3	5.1
2000	7.6	11.1	3.8	3.9	5.4	2.3	13.0	19.2	6.1	22.7	32.3	11.0	14.9	22.1	7.5	7.6	5.1	9.7
2001	8.7	13.7	3.6	4.3	6.1	2.6	15.5	24.8	5.0	22.2	35.7	6.8	17.2	24.8	10.0	4.9	9.7	1.2
2002	8.6	13.9	3.0	4.4	6.8	2.0	15.1	25.8	3.4	21.3	32.5	7.1	20.3	29.0	11.8	3.3	0.0	5.8
2003	8.3	12.8	3.6	3.7	5.1	2.2	14.7	23.7	4.8	24.9	38.7	9.0	18.8	31.5	6.9	5.4	2.5	5.8
2004	8.2	13.3	2.9	4.8	7.0	2.6	13.6	23.2	3.0	22.3	35.5	7.4	14.7	25.9	4.5	1.4	2.3	0.0
2005	8.2	13.5	2.6	3.5	5.6	1.3	14.6	24.2	3.9	27.4	45.7	7.5	14.0	22.4	5.8	5.1	8.0	2.5
2006	8.5	13.5	3.1	4.6	6.8	2.4	13.0	21.6	3.3	19.6	30.5	7.5	13.2	23.7	3.2	2.4	1.5	3.5
2007	7.7	11.8	3.2	3.9	5.5	2.2	12.0	19.5	3.7	23.4	32.3	12.7	13.1	21.7	4.8	2.6	16.0	1.6
2008	7.1	11.2	2.7	3.7	5.6	1.7	10.6	16.9	3.7	20.7	32.7	6.4	12.8	20.6	5.2	3.2	4.3	2.1
2009	5.5	8.0	2.9	3.2	4.9	1.5	8.1	12.1	4.0	14.2	18.5	9.1	13.2	18.0	8.5	0.9	0.0	1.5
2010	6.5	10.5	2.4	3.8	5.5	2.2	8.0	13.5	2.3	15.4	25.6	3.4	18.0	31.4	5.0	4.1	4.2	4.0
2011	6.1	9.6	2.6	3.5	5.1	1.8	7.9	14.0	2.0	16.5	23.8	7.9	11.9	18.9	4.8	3.9	5.5	2.7
2012	5.9	8.6	3.1	4.3	6.0	2.4	6.1	9.7	2.5	14.5	20.2	8.2	17.3	26.3	8.8	2.0	3.0	0.9
2013	5.9	9.2	2.5	4.0	6.2	1.7	5.8	9.0	2.4	15.4	25.4	3.6	17.7	29.6	6.2	1.9	2.1	1.7

TABLE 2B-3 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 1980, 1990-2013

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Intentional self-harm (suicide)																		
1980	17.5	27.9	8.1	18.5	28.7	9.3	11.3	21.1	2.0	10.9	16.8	4.5	18.6	33.1	5.6	8.7	19.6	0.0
1990	19.0	32.6	6.5	20.9	36.1	7.2	9.4	16.6	2.8	12.5	17.2	7.7	20.1	39.1	2.6	7.9	4.6	10.1
1991	18.0	30.8	6.4	19.1	32.8	6.7	12.1	20.3	4.6	17.8	23.6	12.3	18.9	35.1	4.0	2.5	5.5	0.0
1992	17.3	29.0	6.5	18.8	31.1	7.5	10.4	19.2	2.6	10.3	17.8	2.4	19.6	34.7	5.6	4.8	10.5	0.0
1993	18.9	32.2	6.9	21.2	35.7	8.2	8.8	14.9	2.4	8.0	12.4	3.0	21.7	39.1	5.5	5.2	7.7	3.2
1994	19.4	32.2	7.4	21.2	34.9	8.3	11.1	19.6	2.2	8.7	13.9	2.9	20.8	33.0	8.8	16.7	18.9	15.4
1995	19.5	31.1	8.6	22.2	35.1	10.2	9.7	15.8	3.4	14.4	24.6	5.8	16.3	30.0	3.5	4.1	5.0	4.0
1996	16.9	28.4	6.2	19.1	31.8	7.5	9.0	16.2	1.8	7.3	11.7	2.2	15.9	25.6	6.8	4.7	9.9	0.0
1997	17.2	28.7	6.3	19.4	31.8	7.7	8.8	16.3	1.3	12.3	21.5	3.5	18.7	30.5	7.4	11.0	18.2	5.7
1998	17.5	28.7	7.1	20.1	32.2	8.9	9.5	18.4	0.8	6.5	8.7	3.9	16.1	28.1	5.0	6.8	9.1	3.9
1999	15.7	25.5	6.5	16.7	27.1	7.0	10.5	17.8	3.7	12.8	26.1	0.0	16.6	27.6	6.4	6.4	10.3	3.4
2000	14.6	24.7	5.2	16.7	27.6	6.8	7.2	12.7	1.4	6.5	12.2	0.0	16.2	29.7	3.7	5.7	12.3	0.0
2001	14.9	24.6	5.6	12.8	21.0	5.1	5.9	9.9	1.6	9.2	15.2	2.4	15.4	26.4	5.2	9.4	15.4	4.7
2002	15.9	26.4	6.0	18.3	30.0	7.4	8.3	14.2	2.5	6.2	11.4	0.0	17.9	31.7	4.9	4.1	9.1	0.0
2003	14.6	24.0	5.8	16.4	27.1	6.4	8.2	11.8	4.2	11.3	16.6	4.8	15.2	27.4	3.6	6.0	7.0	5.9
2004	14.9	24.1	6.3	16.6	26.4	7.5	9.8	17.5	2.2	12.1	17.3	5.1	17.0	28.5	6.5	4.0	7.0	2.7
2005	15.4	24.9	6.5	16.6	26.7	7.3	10.5	17.8	3.0	3.3	4.7	1.8	17.5	28.7	6.8	11.7	8.9	14.1
2006	15.4	24.7	6.6	17.8	27.9	8.5	8.2	14.2	2.0	8.3	13.9	2.3	13.7	23.4	4.5	8.4	13.2	4.3
2007	15.4	24.4	6.7	18.7	29.4	8.3	9.2	14.7	3.6	6.2	10.1	1.7	9.8	16.3	3.6	6.1	49.2	2.4
2008	14.8	23.0	7.0	17.6	27.3	8.5	6.5	10.8	1.9	7.5	10.3	4.2	13.5	21.2	5.9	9.9	10.7	8.8
2009	16.1	24.6	8.1	18.4	28.0	9.5	9.0	14.0	3.9	10.5	12.7	7.7	15.9	22.9	9.3	9.9	19.9	2.3
2010	16.7	27.1	6.7	20.6	32.8	8.7	7.4	12.5	2.6	6.4	9.9	2.2	18.7	32.3	5.7	6.8	11.0	3.2
2011	17.2	27.4	7.5	22.0	33.1	10.1	8.1	14.8	1.8	9.1	13.7	4.3	14.9	24.0	5.8	5.3	6.9	3.5
2012	16.2	25.9	7.0	20.2	32.2	8.7	6.8	11.1	2.9	10.0	15.5	4.0	17.9	27.9	8.1	5.7	10.2	1.8
2013	17.0	26.6	7.7	20.8	32.4	9.6	8.4	12.8	4.2	6.7	9.7	3.1	21.9	36.1	8.1	7.0	14.5	1.1

Notes: [a] Adjusted to the 2000 standard U.S. population; [b] Chronic obstructive pulmonary diseases in 1980 and 1990; beginning in 2000, when the new standard for the age-adjustment of mortality rates was implemented, all previously published rates for 1979-1999 became obsolete. With the 2008 edition of this report we have added the recomputed age-adjusted mortality rates for 1991-1999. In order to compute these rates, we have used the population denominators consistent with both the 1990 and 2000 census. The mortality rates for 1989-1999 in Table 2B-2 also were revised for consistency; The denominators are available at:

http://www.azdhs.gov/plan/

TABLE 2B-4
NUMBER OF DEATHS AND AGE-ADJUSTED MORTALITY RATES[a] FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 2013

	NUMBER OF DEATHS																	
	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Total, all causes	49,929	26,222	23,703	39,543	20,550	18,989	6,300	3,412	2,888	1,593	897	696	1,955	1,103	852	538	260	278
Major cardiovascular diseases	13,746	7,360	6,386	11,376	6,050	5,326	1,438	788	650	457	274	183	309	168	141	166	80	86
Diseases of heart	10,497	5,910	4,587	8,797	4,932	3,865	1,039	590	449	329	206	123	231	131	100	101	51	50
Coronary heart disease	8,102	4,721	3,381	6,773	3,922	2,851	814	488	326	264	168	96	173	102	71	78	41	37
Malignant neoplasms	11,193	5,950	5,243	9,123	4,921	4,202	1,349	677	672	336	169	167	243	111	132	142	72	70
Malignant neoplasm of trachea, bronchus and lung	2,763	1,485	1,278	2,442	1,304	1,138	201	113	88	71	43	28	18	8	10	31	17	14
Malignant neoplasm of colon, rectum, and anus	997	510	487	787	407	380	132	71	61	39	17	22	23	8	15	16	7	9
Malignant neoplasm of breast	836	9	827	661	9	652	123	0	123	23	0	23	17	0	17	12	0	12
Malignant neoplasm of prostate	570	570	0	473	473	0	58	58	0	18	18	0	13	13	0	8	8	0
Malignant melanoma of skin	220†	140†	90†	214	134	80	10†	*	*	0†	*	0	0	0	0	0	0	0
Malignant neoplasm of cervix uteri	90†	0	90†	50	0	50	31	0	31	0†	0	*	0†	0	*	0†	0	*
Chronic lower respiratory diseases	3,295	1,564	1,731	2,989	1,407	1,582	182	93	89	75	43	32	27	9	18	22	12	10
Accident (unintentional injury)	3,137	1,931	1,206	2,189	1,288	901	549	368	181	94	68	26	284	197	87	21	10	11
Accidental poisoning	970†	610†	354	674	404	270	155	102	53	29	19	10	106	85	21	0†	*	0
Falls	870†	400†	470†	735	335	400	97	53	44	10†	6	*	20	9	11	10†	*	6
Motor vehicle accidents	770†	541	230†	425	309	116	204	140	64	33	27	6	95	59	36	10†	6	*
Accidental drowning and submersion	70†	50†	20†	41	26	15	20†	18	*	0†	*	*	0†	*	0	0†	*	*
Alzheimer's disease	2,384	792	1,592	2,042	677	1,365	252	82	170	47	15	32	25	11	14	18	7	11
Cerebrovascular diseases	2,047	863	1,184	1,621	665	956	256	120	136	87	43	44	43	18	25	40	17	23
Diabetes	1,744	985	759	1,074	637	437	397	207	190	107	56	51	142	76	66	24	9	15
Intentional self-harm (suicide)	1,120†	860	260†	863	667	196	151	110	41	20†	15	*	69	55	14	10†	13	*
Chronic liver disease and cirrhosis	1,040†	640†	400†	644	390	254	208	143	65	20†	11	*	166	89	77	10†	*	*
Influenza and pneumonia	720†	360†	370†	561	280	281	94	44	50	15	6	9	46	24	22	10†	*	*
Essential (primary) hypertension and hypertensive renal disease	711	331	380	533	235	298	98	52	46	34	20	14	25	14	11	21	10	11
Parkinson's disease	580†	370†	210†	490	314	176	62	37	25	10†	6	*	10†	8	*	0†	*	*
Nephritis, nephrotic syndrome and nephrosis	390†	190†	200†	294	147	147	43	19	24	17	10	7	31	15	16	10†	*	*
Assault (homicide)	380†	300†	80†	156	119	37	124	98	26	40†	39	*	55	45	10	0†	*	*
Septicemia	350†	180†	170†	258	127	131	57	33	24	10†	*	*	24	15	9	10†	*	*
Human immunodeficiency virus (HIV) disease	90†	80†	10†	50†	44	*	20†	19	*	20†	12	*	10†	*	*	0	0	0
Injury by firearms	930†	783	150†	660	554	106	172	141	31	49	43	6	40†	37	*	10†	8	*
Drug-induced deaths	1,100†	660†	444	835	484	351	173	112	61	36	22	14	54	36	18	0†	*	0
Alcohol-induced deaths	1,100†	750†	340†	674	446	228	175	134	41	20†	12	*	229	160	69	0†	*	*

TABLE 2B-4 (continued)
NUMBER OF DEATHS AND AGE-ADJUSTED MORTALITY RATES[a] FOR SELECTED CAUSES OF DEATH BY RACE/ETHNICITY AND GENDER, ARIZONA, 2013

	AGE-ADJUSTED MORTALITY RATES[a]																	
	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
Total, all causes	687.8	805.8	583.8	693.7	811.8	588.8	615.6	708.5	534.9	918.5	1061.5	782.1	887.0	1075.3	728.5	413.4	485.9	364.6
Major cardiovascular diseases	187.7	229.0	152.4	190.9	233.3	154.0	161.9	194.2	135.3	280.2	354.0	218.5	164.2	199.8	137.4	133.6	154.8	119.2
Diseases of heart	143.0	183.6	109.2	147.6	190.0	111.5	116.1	144.4	93.0	200.5	269.1	144.8	122.9	159.8	97.1	82.5	98.8	70.9
Coronary heart disease	110.0	145.6	80.2	113.3	150.0	81.9	91.6	119.6	68.8	164.0	222.8	116.3	92.7	125.0	69.7	63.4	78.1	53.1
Malignant neoplasms	149.6	175.0	129.9	154.3	180.9	133.3	129.8	147.2	117.0	190.4	209.3	176.5	118.2	126.0	114.5	100.1	131.4	81.4
Malignant neoplasm of trachea, bronchus and lung	36.4	42.9	31.0	40.2	46.7	34.8	22.1	27.6	17.3	40.5	57.3	29.4	10.0	11.6	9.5	22.9	31.6	17.6
Malignant neoplasm of colon, rectum, and anus	13.6	15.3	12.3	13.7	15.5	12.2	12.5	14.3	10.9	21.7	19.6	23.0	11.3	7.3	14.0	12.1	13.0	11.7
Malignant neoplasm of breast	11.3	0.2	20.7	11.5	0.3	21.3	10.7	0.0	19.7	12.6	0.0	23.3	7.2	0.0	13.1	6.7	0.0	11.4
Malignant neoplasm of prostate	7.7	18.2	0.0	7.8	18.0	0.0	7.0	17.0	0.0	11.4	26.7	0.0	7.9	19.9	0.0	6.9	18.5	0.0
Malignant melanoma of skin	3.0	4.1	2.2	3.8	5.1	2.9	1.0	**	**	**	**	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Malignant neoplasm of cervix uteri	1.2	0.0	2.4	1.1	0.0	2.1	2.3	0.0	4.4	**	0.0	**	**	0.0	**	**	0.0	**
Chronic lower respiratory diseases	44.5	48.1	41.8	49.3	52.5	47.0	20.9	24.6	**	**	**	**	**	**	0.0	**	**	**
Accident (unintentional injury)	46.3	60.1	32.8	47.9	61.2	34.7	38.5	51.4	26.3	43.3	68.7	23.5	104.5	150.5	62.9	13.4	12.7	13.2
Accidental poisoning	15.0	19.1	10.8	17.7	21.7	13.5	8.8	11.2	6.3	11.1	13.9	8.3	37.7	63.0	14.3	0.4	0.8	0.0
Falls	12.1	13.2	11.0	12.4	13.4	11.4	12.0	14.3	9.9	8.8	14.3	5.9	10.3	9.3	11.0	**	**	0.0
Motor vehicle accidents	11.4	16.3	6.6	10.2	15.1	5.3	11.4	15.5	7.3	12.0	18.1	**	31.7	40.3	23.5	5.8	**	3.8
Accidental drowning and submersion	1.1	1.6	0.6	1.1	1.4	0.8	1.0	1.8	0.3	0.7	0.7	0.8	1.3	2.7	0.0	1.5	1.8	**
Alzheimer's disease	33.2	27.2	37.2	33.4	27.3	37.7	35.6	28.9	39.6	41.3	30.0	45.8	16.0	16.4	15.4	18.2	17.4	18.3
Cerebrovascular diseases	28.2	27.2	28.5	27.1	25.7	27.7	29.7	30.8	28.5	54.4	51.4	54.6	23.4	18.6	25.3	30.7	30.0	31.2
Diabetes	23.6	29.1	18.8	18.6	24.0	14.0	40.7	45.8	36.3	60.2	68.0	55.8	65.7	79.7	55.0	17.9	18.5	17.9
Intentional self-harm (suicide)	17.0	26.6	7.7	20.8	32.4	9.6	8.4	12.8	4.2	6.7	9.7	**	21.9	36.1	8.1	7.0	14.5	**
Chronic liver disease and cirrhosis	14.5	18.2	11.1	12.6	15.5	10.0	16.7	23.0	10.8	6.8	9.9	**	62.0	70.1	55.0	3.9	**	**
Influenza and pneumonia	10.0	11.6	8.8	9.6	11.4	8.1	10.9	11.4	10.5	11.9	12.7	11.5	24.7	27.4	21.9	8.0	**	**
Essential (primary) hypertension and hypertensive renal disease	9.7	10.4	9.1	8.9	9.2	8.7	11.4	13.2	9.8	21.3	26.9	16.9	12.7	14.8	10.8	17.0	21.2	14.5
Parkinson's disease	8.0	12.0	5.1	8.1	12.1	5.1	7.9	12.4	5.2	6.7	8.5	**	7.5	12.1	**	**	**	**
Assault (homicide)	5.9	9.2	2.5	4.0	6.2	1.7	5.8	9.0	2.4	15.4	25.4	3.6	17.7	29.6	6.2	1.9	**	**
Nephritis, nephrotic syndrome and nephrosis	5.3	6.1	4.8	4.9	5.7	4.4	4.5	4.3	4.7	12.2	20.6	**	15.8	16.1	15.1	**	**	**
Septicemia	4.8	5.6	4.3	4.5	4.9	4.2	6.1	8.8	4.4	7.4	**	**	11.4	15.3	8.3	3.8	**	**
Human immunodeficiency virus (HIV) disease	1.4	2.5	0.3	1.2	2.2	**	1.2	2.2	**	5.9	8.2	**	**	**	**	0.0	0.0	0.0
Injury by firearms	14.1	24.1	4.4	15.8	26.8	5.0	8.6	14.1	3.1	17.0	27.7	4.2	13.0	25.1	**	5.1	8.1	**
Drug-induced deaths	16.9	20.3	13.5	21.2	25.0	17.3	9.9	12.7	7.1	13.5	15.7	11.2	18.7	25.7	12.1	**	**	0.0
Alcohol-induced deaths	15.7	21.9	9.9	13.7	18.1	9.7	12.5	20.1	5.7	7.1	11.5	**	84.7	124.3	49.1	**	**	**

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] The number of deaths per 100,000 resident population age-adjusted to the 2000 U.S. standard; The rates for breast cancer and cervical cancer are per 100,000 females; The rate for prostate cancer is per 100,000 males.

TABLE 2B-5
AGE-ADJUSTED MORTALITY RATES[a] FOR SELECTED CAUSES OF DEATH BY URBAN/RURAL AREA AND GENDER, ARIZONA, 2013

	Arizona			Urban			Rural		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total, all causes	687.8	805.8	583.8	665.6	779.2	567.6	782.7	915.6	656.3
Major cardiovascular diseases	187.7	229.0	152.4	182.5	223.0	148.7	207.3	250.4	167.3
Diseases of heart	143.0	183.6	109.2	137.1	176.8	104.7	166.4	208.3	128.3
Coronary heart disease	110.0	145.6	80.2	107.4	142.1	78.8	118.9	157.3	84.5
Malignant neoplasms	149.6	175.0	129.9	146.8	172.2	127.4	159.5	182.6	140.2
Malignant neoplasm of trachea, bronchus and lung	36.4	42.9	31.0	35.5	42.1	30.0	39.4	45.2	34.6
Malignant neoplasm of colon, rectum, and anus	13.6	15.3	12.3	13.1	15.0	11.7	15.6	16.1	14.8
Malignant neoplasm of breast	11.3	0.2	20.7	11.5	0.3	21.0	10.1	0.0	19.3
Malignant neoplasm of prostate	7.7	18.2	0.0	7.0	16.6	0.0	10.7	23.9	0.0
Malignant melanoma of skin	3.0	4.1	2.2	2.8	3.9	2.1	3.8	4.8	2.9
Malignant neoplasm of cervix uteri	1.2	0.0	2.4	1.1	0.0	2.2	1.8	0.0	3.6
Chronic lower respiratory diseases	44.5	48.1	41.8	42.7	45.5	40.8	51.4	57.6	46.5
Accident (unintentional injury)	46.3	60.1	32.8	41.9	54.6	29.8	66.6	86.4	46.3
Accidental poisoning	15.0	19.1	10.8	13.6	17.3	9.9	22.0	28.5	15.2
Falls	12.1	13.2	11.0	12.2	13.6	10.9	11.3	11.3	11.1
Motor vehicle accidents	11.4	16.3	6.6	9.8	14.3	5.5	18.9	25.6	12.0
Accidental drowning and submersion	1.1	1.6	0.6	1.1	1.6	0.7	1.2	1.9	0.4
Alzheimer's disease	33.2	27.2	37.2	36.6	30.4	40.7	18.1	14.1	21.0
Cerebrovascular diseases	28.2	27.2	28.5	28.1	27.0	28.5	28.3	27.4	28.2
Diabetes	23.6	29.1	18.8	23.5	28.9	19.1	24.2	30.4	18.3
Intentional self-harm (suicide)	17.0	26.6	7.7	15.3	24.2	6.8	25.7	38.6	13.1
Chronic liver disease and cirrhosis	14.5	18.2	11.1	13.0	16.4	10.0	22.4	27.4	17.6
Influenza and pneumonia	10.0	11.6	8.8	9.0	10.6	7.8	14.7	16.4	13.2
Essential (primary) hypertension and hypertensive renal disease	9.7	10.4	9.1	10.4	11.1	9.8	6.9	7.4	6.4
Parkinson's disease	8.0	12.0	5.1	8.0	11.9	5.3	7.9	12.1	4.5
Assault (homicide)	5.9	9.2	2.5	5.7	8.8	2.4	7.4	11.4	3.2
Nephritis, nephrotic syndrome and nephrosis	5.3	6.1	4.8	4.1	4.4	3.9	10.8	13.3	8.9
Septicemia	4.8	5.6	4.3	4.5	5.2	4.0	6.5	7.3	5.8
(HIV) disease	1.4	2.5	0.3	1.3	2.4	0.3	1.5	2.7	0.4
Injury by firearms	14.1	24.1	4.4	13.5	23.2	4.2	16.6	27.8	5.5
Drug-induced deaths	16.9	20.3	13.5	16.2	20.0	12.5	19.5	20.7	18.3
Alcohol-induced deaths	15.7	21.9	9.9	13.7	19.1	8.9	27.0	38.1	16.2

Notes: [a] The number of deaths per 100,000 population in specified group age-adjusted to the 2000 standard U.S.; The causes of death for 2007 are classified by the Tenth Revision of the International Classification of Diseases (ICD-10); The rates for breast cancer and cervical cancer are per 100,000 females, the rates for prostate cancer is per

TABLE 2B-6
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES, ARIZONA RESIDENTS, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Number of deaths			Crude death rate per 100,000 persons		
	Total	Male	Female	Total	Male	Female
Total, all causes[a]	49,929	26,222	23,703	758.7	800.7	717.0
Salmonella infections	0	0	0	0.0	0.0	0.0
Shigellosis and amebiasis	0†	0	*	**	0.0	**
Certain other intestinal infections	246	97	149	3.7	3.0	4.5
Enterocolitis due to Clostridium difficile	189	71	118	2.9	2.2	3.6
Tuberculosis	15	9	6	0.2	0.3	0.2
Respiratory tuberculosis	10†	6	*	0.2	0.2	**
Other tuberculosis	0†	*	*	**	**	**
Whooping cough	0	0	0	0.0	0.0	0.0
Scarlet fever and erysipelas	0	0	0	0.0	0.0	0.0
Meningococcal infection	0†	*	*	**	**	**
Septicemia	354	181	173	5.4	5.5	5.2
Syphilis	0†	*	*	**	**	**
Acute poliomyelitis	0†	0	*	**	0.0	**
Arthropod-borne encephalitis	0	0	0	0.0	0.0	0.0
Measles	0	0	0	0.0	0.0	0.0
Viral hepatitis	277	185	92	4.2	5.6	2.8
Human immunodeficiency virus (HIV) disease	90	79	11	1.4	2.4	0.3
Malaria	0†	*	0	**	**	0.0
Other and unspecified infectious and parasitic diseases	166	93	73	2.5	2.8	2.2
Malignant neoplasms	11,193	5,950	5,243	170.1	181.7	158.6
Malignant neoplasm of lip, oral cavity and pharynx	150	101	49	2.3	3.1	1.5
Malignant neoplasm of esophagus	320	257	63	4.9	7.8	1.9
Malignant neoplasm of stomach	202	122	80	3.1	3.7	2.4
Malignant neoplasm of colon, rectum, and anus	997	510	487	15.1	15.6	14.7
Malignant neoplasm of liver and intrahepatic bile ducts	528	352	176	8.0	10.7	5.3
Malignant neoplasm of pancreas	755	392	363	11.5	12.0	11.0
Malignant neoplasm of larynx	52	38	14	0.8	1.2	0.4
Malignant neoplasm of trachea, bronchus and lung	2,763	1,485	1,278	42.0	45.3	38.7
Malignant melanoma of skin	222	137	85	3.4	4.2	2.6
Malignant neoplasm of breast	836	9	827	12.7	0.3	25.0
Malignant neoplasm of cervix uteri	86	0	86	1.3	0.0	2.6
Malignant neoplasm of corpus uteri and uterus, part unspecified	140	0	140	2.1	0.0	4.2
Malignant neoplasm of ovary	285	0	285	4.3	0.0	8.6
Malignant neoplasm of prostate	570	570	0	8.7	17.4	0.0
Malignant neoplasm of kidney and renal pelvis	274	179	95	4.2	5.5	2.9
Malignant neoplasm of bladder	293	221	72	4.5	6.7	2.2
Malignant neoplasm of meninges, brain and other parts of CNS	325	172	153	4.9	5.3	4.6
Malignant neoplasm of lymphoid, hematopoietic and related tissue	1,190	684	506	18.1	20.9	15.3
Hodgkin's disease	26	16	10	0.4	0.5	0.3
Non-Hodgkin's lymphoma	416	251	165	6.3	7.7	5.0
Leukemia	500	287	213	7.6	8.8	6.4
Multiple myeloma and immunoproliferative neoplasms	247	129	118	3.8	3.9	3.6
Other and unspecified malignant neoplasms of lymphoid tissue	0†	*	0	**	**	0.0
All other and unspecified malignant neoplasm	1,205	722	483	18.3	22.0	14.6
In situ neoplasms	300	182	118	4.6	5.6	3.6
Anemias	49	22	27	0.7	0.7	0.8
Diabetes	1,744	985	759	26.5	30.1	23.0

TABLE 2B-6 (continued)
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES, ARIZONA RESIDENTS, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Number of deaths			Crude death rate per 100,000 persons		
	Total	Male	Female	Total	Male	Female
Nutritional deficiencies	46	18	28	0.7	0.5	0.8
Malnutrition	42	16	26	0.6	0.5	0.8
Other nutritional deficiencies	0†	*	*	**	**	**
Obesity	160	95	65	2.4	2.9	2.0
Meningitis	12	6	6	0.2	0.2	0.2
Parkinson's disease	578	366	212	8.8	11.2	6.4
Alzheimer's disease	2,384	792	1,592	36.2	24.2	48.2
Major cardiovascular diseases	13,746	7,360	6,386	208.9	224.7	193.2
Diseases of heart	10,497	5,910	4,587	159.5	180.5	138.7
Acute rheumatic fever and chronic rheumatic heart disease	64	17	47	1.0	0.5	1.4
Hypertensive heart disease	943	462	481	14.3	14.1	14.5
Hypertensive heart and renal disease	49	27	22	0.7	0.8	0.7
Ischemic heart disease	7,159	4,259	2,900	108.8	130.0	87.7
Acute myocardial infarction	1,592	933	659	24.2	28.5	19.9
Other acute ischemic heart disease	32	20	12	0.5	0.6	0.4
Other forms of chronic ischemic heart disease	5,535	3,306	2,229	84.1	100.9	67.4
Atherosclerotic cardiovascular disease	1,683	1,068	615	25.6	32.6	18.6
All other forms of chronic ischemic heart disease	3,852	2,238	1,614	58.5	68.3	48.8
Other heart diseases	2,282	1,145	1,137	34.7	35.0	34.4
Acute and subacute endocarditis	26	17	9	0.4	0.5	0.3
Diseases of pericardium and acute myocarditis	10†	*	7	0.2	**	0.2
Heart failure	467	225	242	7.1	6.9	7.3
All other forms of heart disease	1,777	898	879	27.0	27.4	26.6
Essential (primary) hypertension and hypertensive renal disease	711	331	380	10.8	10.1	11.5
Cerebrovascular diseases	2,047	863	1,184	31.1	26.4	35.8
Atherosclerosis	150	68	82	2.3	2.1	2.5
Other diseases of circulatory system	340	187	153	5.2	5.7	4.6
Aortic aneurysm and dissection	181	111	70	2.8	3.4	2.1
Other disease of arteries, arterioles and capillaries	159	76	83	2.4	2.3	2.5
Other disorders of circulatory system	97	57	40	1.5	1.7	1.2
Influenza and pneumonia	724	357	367	11.0	10.9	11.1
Influenza	42	22	20	0.6	0.7	0.6
Pneumonia	682	335	347	10.4	10.2	10.5
Other acute lower respiratory infections	10†	*	*	0.1	**	**
Acute bronchiolitis	10†	*	*	0.1	**	**
Unspecified acute lower respiratory infection	0†	0	*	**	0.0	**
Chronic lower respiratory diseases	3,295	1,564	1,731	50.1	47.8	52.4
Bronchitis, chronic and unspecified	10†	*	*	0.1	**	**
Emphysema	160	89	71	2.4	2.7	2.1
Asthma	93	37	56	1.4	1.1	1.7
Other chronic lower respiratory diseases	3,035	1,435	1,600	46.1	43.8	48.4
Pneumoconioses and chemical effects	10†	12	*	0.2	0.4	**
Pneumonitis due to solids and liquids	270	158	112	4.1	4.8	3.4
Other disease of respiratory system	530	295	235	8.1	9.0	7.1
Peptic ulcer	80	52	28	1.2	1.6	0.8
Diseases of appendix	10†	*	*	**	**	**
Hernia	36	15	21	0.5	0.5	0.6

TABLE 2B-6 (continued)
DEATHS AND DEATH RATES BY GENDER FOR SELECTED CAUSES, ARIZONA RESIDENTS, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	Number of deaths			Crude death rate per 100,000 persons		
	Total	Male	Female	Total	Male	Female
Chronic liver disease and cirrhosis	1,040	636	404	15.8	19.4	12.2
Alcoholic liver disease	742	482	260	11.3	14.7	7.9
Other chronic liver disease and cirrhosis	298	154	144	4.5	4.7	4.4
Cholelithiasis and other disorders of gallbladder	61	29	32	0.9	0.9	1.0
Nephritis, nephrotic syndrome and nephrosis	391	194	197	5.9	5.9	6.0
Acute and rapidly progressive nephritic and nephrotic syndrome	0†	0	*	**	0.0	**
Chronic glomerulonephritis	92	48	44	1.4	1.5	1.3
Renal failure	298	146	152	4.5	4.5	4.6
Others disorders of kidney	0	0	0	0.0	0.0	0.0
Infections of kidney	10†	*	6	0.1	**	0.2
Hyperplasia of prostate	9	9	0	0.1	0.3	0.0
Inflammatory diseases of female pelvic organs	0†	0	*	**	0.0	**
Pregnancy, childbirth and the puerperium	9	0	9	0.1	0.0	0.3
Pregnancy with abortive outcome	0†	0	*	**	0.0	**
Other complications of pregnancy, childbirth and the puerperium	8	0	8	0.1	0.0	0.2
Perinatal conditions	220	111	109	3.3	3.4	3.3
Congenital malformations	210	108	102	3.2	3.3	3.1
Symptoms, signs, abnormal findings	1,705	817	885	25.9	24.9	26.8
Total accidents	3,137	1,931	1,206	47.7	59.0	36.5
Transport accidents	834	593	241	12.7	18.1	7.3
Motor vehicle accidents	767	541	226	11.7	16.5	6.8
Other land transport accidents	33	24	9	0.5	0.7	0.3
Water, air, space	34	28	6	0.5	0.9	0.2
Nontransport accidents	2,303	1,338	965	35.0	40.9	29.2
Falls	870	404	466	13.2	12.3	14.1
Accidental discharge of firearms	9	9	0	0.1	0.3	0.0
Accidental drowning and submersion	72	51	21	1.1	1.6	0.6
Accidental exposure to smoke, fire and flames	68	47	21	1.0	1.4	0.6
Accidental poisoning	965	611	354	14.7	18.7	10.7
Other and unspecified nontransport accidents	319	216	103	4.8	6.6	3.1
Intentional self-harm (suicide)	1,116	860	256	17.0	26.3	7.7
By discharge of firearms	643	547	96	9.8	16.7	2.9
By other means	473	313	160	7.2	9.6	4.8
Assault (homicide)	383	303	80	5.8	9.3	2.4
By discharge of firearms	249	203	46	3.8	6.2	1.4
By other means	134	100	34	2.0	3.1	1.0
Legal intervention	20†	16	*	0.3	0.5	**
Events of undetermined intent	183	104	78	2.8	3.2	2.4
Discharge of firearms	20†	10	*	0.2	0.3	**
Other and unspecified events of undetermined intent	168	94	73	2.6	2.9	2.2
Operations of war	0	0	0	0.0	0.0	0.0
Complications of medical and surgical care	56	30	26	0.9	0.9	0.8
INJURY BY FIREARMS	931	783	148	14.1	23.9	4.5
DRUG-INDUCED DEATHS	1,099	655	444	16.7	20.0	13.4
ALCOHOL-INDUCED DEATHS	1,098	754	344	16.7	23.0	10.4

Note: * Cell suppressed due to count less than 6; ** Cell supressed due to rate based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Includes records with unknown gender; The list of Causes of Death was developed for the general analysis of ICD-10 mortality statistics and for ranking of leading causes of death. It is similar in structure and content and replaces the list of 72 Selected Causes of Death used for ICD-9 mortality statistics.

TABLE 2B-7
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY CATEGORY, GENDER, AND YEAR, ARIZONA, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ALL FORMS OF HEART DISEASE	**TOTAL**	10,649	10,402	10,779	10,362	10,147	10,052	10,151	9,719	10,424	10,366	10,497
	Male	5,649	5,543	5,789	5,538	5,455	5,535	5,558	5,351	5,748	5,731	5,910
	Female	5,000	4,859	4,990	4,834	4,692	4,517	4,593	4,368	4,675	4,635	4,587
Acute rheumatic fever and chronic rheumatic heart disease	**TOTAL**	63	46	55	57	38	57	51	42	69	51	64
	Male	25	18	16	15	15	24	16	15	22	19	17
	Female	38	28	39	42	23	33	35	27	47	32	47
Hypertensive heart and renal disease	**TOTAL**	33	32	39	24	29	48	35	36	49	51	49
	Male	20	9	18	13	15	22	18	16	22	28	27
	Female	13	23	21	11	14	26	17	20	27	23	22
Ischemic heart disease	**TOTAL**	8,037	7,836	8,060	7,628	7,163	7,326	7,372	7,043	7,498	7,294	7,159
	Male	4,402	4,344	4,509	4,202	4,005	4,225	4,233	4,076	4,409	4,279	4,259
	Female	3,635	3,492	3,551	3,426	3,158	3,101	3,139	2,967	3,089	3,015	2,900
Hypertensive heart disease	**TOTAL**	440	463	487	506	646	636	698	644	739	761	943
	Male	215	223	226	256	332	322	340	302	348	375	462
	Female	225	240	261	250	314	314	358	342	391	386	481
Other heart diseases	**TOTAL**	2,076	2,025	2,138	2,147	2,271	1,985	1,995	1,954	2,069	2,209	2,282
	Male	987	949	1,020	1,052	1,088	942	951	942	947	1,030	1,145
	Female	1,089	1,076	1,118	1,095	1,183	1,043	1,044	1,012	1,121	1,179	1,137

TABLE 2B-8
NUMBER OF DEATHS FOR SELECTED SUBCATEGORIES OF MALIGNANT NEOPLASMS BY GENDER AND YEAR, ARIZONA, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ALL CANCERS	**TOTAL[a]**	9,451	9,506	9,873	9,768	9,955	9,941	10,147	10,423	10,543	10,871	11,193
	Male	5,088	5,107	5,184	5,233	5,364	5,363	5,432	5,639	5,639	5,932	5,950
	Female	4,363	4,399	4,489	4,535	4,591	4,578	4,715	4,784	4,903	4,939	5,243
ICD-9 140-149/ICD-10 C00-C14 - Malignant neoplasm of lip, oral cavity and pharynx (oropharyngeal cancer)	**TOTAL**	114	127	140	115	133	151	125	134	132	144	150
	Male	85	87	95	80	91	101	89	98	105	106	101
	Female	29	40	45	35	42	50	36	36	27	38	49
ICD-9 150/ICD-10 C15 - Malignant neoplasm of esophagus	**TOTAL**	239	240	222	261	252	262	266	273	288	325	320
	Male	196	190	188	209	206	212	214	220	232	260	257
	Female	43	50	34	52	46	50	52	53	56	65	63
ICD-9 151/ICD-10 C16 - Malignant neoplasm of stomach	**TOTAL**	177	189	200	190	186	200	179	199	211	204	202
	Male	106	110	113	111	106	121	105	123	131	118	122
	Female	71	79	87	79	80	79	74	76	80	86	80
ICD-9 153, 154/ICD-10 C18-C21 - Malignant neoplasm of colon, rectum, rectosigmoid junction and anus	**TOTAL**	995	870	915	917	966	896	887	952	927	946	997
	Male	535	466	490	495	535	466	463	520	482	523	510
	Female	460	404	425	422	431	430	424	432	445	423	487
ICD-9 157/ICD-10 C25 - Malignant neoplasm of pancreas	**TOTAL**	474	551	579	575	629	636	622	707	708	813	755
	Male	240	306	305	301	362	340	304	373	355	450	392
	Female	234	245	274	274	267	296	318	334	353	363	363
ICD-9 162/ICD-10 C33-C34 - Malignant neoplasm of trachea, bronchus and lung	**TOTAL**	2,682	2,656	2,607	2,718	2,573	2,632	2,691	2,655	2,654	2,772	2,763
	Male	1,530	1,490	1,461	1,528	1,443	1,477	1,480	1,465	1,474	1,512	1,485
	Female	1,152	1,166	1,146	1,190	1,130	1,155	1,211	1,190	1,180	1,260	1,278
ICD-9 172/ICD-10 C43 - Malignant melanoma of skin	**TOTAL**	150	152	169	179	188	168	226	191	187	216	222
	Male	105	104	133	124	124	115	160	133	125	147	137
	Female	45	48	36	55	64	53	66	58	62	69	85
ICD-9 174,175/ICD-10 C50 - Malignant neoplasm of breast	**TOTAL**	670†	660†	677	745	724	734	716	732	747	740†	836
	Male	*	*	7	6	6	9	8	12	6	*	9
	Female	667	663	670	739	718	725	708	720	741	740	827

TABLE 2B-8 (continued)
NUMBER OF DEATHS FOR SELECTED SUBCATEGORIES OF MALIGNANT NEOPLASMS BY GENDER AND YEAR, ARIZONA, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ICD-9 180/ICD-10 C53 - Malignant neoplasm of cervix uteri	**TOTAL**	63	64	65	54	62	60	64	68	72	73	86
	Female	63	64	65	54	62	60	64	68	72	73	86
ICD-9 179, 182/ ICD-10 C54-C55 - Malignant neoplasm of body of uterus and of uterus, part unspecified	**TOTAL**	81	98	107	97	97	115	108	138	159	131	140
	Female	81	98	107	97	97	115	108	138	159	131	140
ICD-9 185/ICD-10 C61 - Malignant neoplasm of prostate	**TOTAL**	544	544	564	522	548	568	551	549	574	581	570
	Male	544	544	564	522	548	568	551	549	574	581	570
ICD-9 188/ICD-10 C67 - Malignant neoplasm of bladder	**TOTAL[a]**	229	238	244	238	270	258	264	247	355	316	293
	Male	164	157	180	175	206	192	206	183	245	244	221
	Female	65	81	64	63	64	66	58	64	109	72	72
ICD-9 189/ICD-10 C64-C65 - Malignant neoplasm of kidney and other and unspecified urinary organs	**TOTAL**	215	227	248	238	231	247	240	286	267	252	274
	Male	137	149	150	156	147	154	161	189	178	171	179
	Female	78	78	98	82	84	93	79	97	89	81	95
ICD-9 191, 192/ICD-10 C70-C72 - Malignant neoplasm of brain	**TOTAL**	214	224	276	248	248	268	275	268	275	337	325
	Male	126	115	153	133	141	152	151	153	145	196	172
	Female	88	109	123	115	107	116	124	115	130	141	153
ICD-9 201/ICD-10 81 - Hodgkin's disease	**TOTAL**	16	20†	17	20†	30	17	16	22	19	17	26
	Male	10	12	9	14	19	10	9	12	9	8	16
	Female	6	*	8	*	11	7	7	10	10	9	10
ICD-9 200, 202/ICD-10 C82-C85 - Malignant lymphoma other than Hodgkin's disease	**TOTAL**	386	370	381	373	362	434	388	379	392	372	416
	Male	204	208	218	213	200	230	212	219	212	214	251
	Female	182	162	163	160	162	204	176	160	180	158	165
ICD-9 203/ICD-10 C88, C90 - Multiple myeloma and immunoproliferative neoplasms	**TOTAL**	169	202	201	199	213	203	189	206	219	221	247
	Male	89	119	107	110	118	123	107	117	133	128	129
	Female	80	83	94	89	95	80	82	89	86	93	118
Other malignant neoplasms	**TOTAL**	2,031	2,073	2,061	2,080	2,243	2,092	2,340	2,417	1,120	1,133	1,205
	Male	1,012	1,049	1,011	1,056	1,112	1,093	1,212	1,273	623	640	722
	Female	1,019	1,024	1,050	1,024	1,131	999	1,128	1,144	497	493	483

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Includes records with unknown gender.

TABLE 2B-9
NUMBER OF DEATHS FROM UNINTENTIONAL INJURIES IN ACCIDENTS BY CATEGORY AND YEAR AMONG ARIZONA RESIDENTS, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total unintentional injury deaths	2,466	2,641	3,006	3,156	3,014	2,951	2,887	2,834	2,959	2,804	3,137
Railway accident	10	11	10	17	12	9	8	12	6	7	7
Motor vehicle accident	1,005	1,060	1,137	1,220	1,035	891	771	711	787	747	767
Water transport accident	*	*	*	*	*	*	*	*	*	*	*
Accident involving aircraft	23	21	9	32	17	32	15	16	21	13	9
Poisoning by drugs/medicaments	447	517	549	624	669	689	802	798	781	731	853
Poisoning by gases and vapors	18	16	14	22	52	77	85	81	102	86	112
Falls	469	526	685	702	720	748	731	762	776	782	870
Fire, flames, smoke	42	30	56	43	31	50	31	25	33	43	68
Excessive natural heat	40	34	74	62	28	33	39	51	57	51	56
Excessive natural cold	15	17	28	17	20	25	24	17	22	9	28
Contact with venomous snakes and lizards	0	*	0	0	0	*	0	*	0	*	0
Contact with venomous spiders	0	*	*	0	*	0	0	0	0	0	*
Contact with scorpions	0	0	0	0	0	0	0	0	0	0	*
Contact with hornets, wasps, bees	0	0	0	0	0	0	0	0	0	0	*
Bitten or struck by dog	*	*	*	*	*	*	*	*	*	*	*
Lightning	*	0	*	*	*	0	*	*	*	*	*
Storms and floods	*	0	0	*	*	0	0	*	0	0	0
Accidental drowning and submersion	83	97	83	87	85	78	99	86	93	83	72
Choked on food	41	36	27	30	22	35	43	39	34	38	29
Choked on other objects	59	48	62	48	61	53	49	57	44	44	57
Mechanical suffocation	25	21	27	26	43	29	25	28	25	23	21
Accidental discharge of firearms	13	13	15	9	13	10	7	11	8	*	9
Exposure to electric current	*	9	15	*	11	6	7	*	6	0	6
Overexertion	*	0	0	0	0	0	0	*	0	0	0
Adverse effects of drugs in therapeutic use	6	*	*	*	*	7	8	10	*	6	10
Misadventures to patients during medical/surgical care	49	46	39	51	44	40	42	41	45	42	46

Notes: * Cell suppressed due to count less than 6; Beginning in 2000, the data are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

TABLE 2B-10
NUMBER OF DEATHS FROM MOTOR VEHICLE-RELATED INJURIES BY PERSON INJURED, GENDER, AND YEAR, ARIZONA RESIDENTS, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
TOTAL	**Total**	1,005	1,060	1,137	1,220	1,035	891	771	711	787	747	767
	Male	689	693	801	831	710	632	554	501	562	541	541
	Female	316	367	336	389	325	259	217	210	225	206	226
Motorcyclist	**Total**	76	89	113	115	103	113	100†	69	113	130	111
	Male	68	72	101	99	92	106	94	61	96	113	98
	Female	8	17	12	16	11	7	*	8	17	17	13
Pedestrian	**Total**	124	143	182	169	155	136	122	152	153	128	152
	Male	88	99	141	123	103	101	90	115	111	88	105
	Female	36	44	41	46	52	35	32	37	42	40	47
Pedal cyclist	**Total**	10†	20†	40†	30†	20†	10†	20†	20†	20†	11	20†
	Male	12	18	36	29	17	11	19	20	16	11	19
	Female	*	*	*	*	*	*	*	*	*	0	*
Other person	**Total**	791	807	803	906	759	630	528	469	502	478	481
	Male	521	504	523	580	498	414	351	305	339	329	319
	Female	270	33	280	326	261	216	177	164	163	149	162

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; Beginning in 2000, the data are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

TABLE 2B-11
LEADING CAUSES OF DEATH BY PLACE OF DEATH AND DECEDENT STATUS, ARIZONA, 2013

CAUSES OF DEATH	TOTAL	IN HOSPITAL				NOT IN HOSPITAL				
		In-patient	Out-patient[a]	Died on arrival	Subtotal	Nursing home[b]	Residence	Other[c]	Unspecified	Subtotal
TOTAL, ALL CAUSES	49,929	10,487	2,756	18	28,877	9,411	5,923	5,619	99	21,052
Diseases of heart	10,500†	2,211	910	*	6,770†	1,450	1,243	1,013	18	3,724
Coronary heart disease	8,100†	1,525	763	*	5,260†	1,072	974	785	13	2,844
Malignant neoplasms	11,193	1,633	131	0	6,361	3,361	802	662	7	4,832
Malignant neoplasm of trachea, bronchus and lung	2,763	393	39	0	1,586	825	185	167	0	1,177
Malignant neoplasm of colon, rectum, and anus	997	141	15	0	559	301	77	60	0	438
Malignant neoplasm of breast	836	96	6	0	477	231	59	69	0	359
Malignant neoplasm of prostate	570†	56	*	0	320†	145	70	40	0	255
Malignant neoplasm of cervix uteri	90†	12	*	0	50†	29	*	*	0	40†
Chronic lower respiratory diseases	3,300†	683	118	*	1,890†	757	405	243	*	1,406
Accident (unintentional injury)	3,140†	586	511	*	1,800†	371	165	790	9	1,335
Accidental poisoning	970†	78	156	*	740†	10	*	206	*	220†
Motor vehicle accidents	870†	235	52	0	370	313	121	62	*	500
Falls	770†	156	217	0	383	20	14	348	*	384
Accidental drowning and submersion	70†	*	22	0	40†	*	0	31	0	40†
Alzheimer's disease	2,380†	53	10	0	586	378	778	641	*	1,798
Cerebrovascular diseases	2,047	474	57	0	903	622	345	177	0	1,144
Diabetes	1,740†	409	162	*	1,210†	241	184	109	*	536
Intentional self-harm (suicide)	1,120†	69	83	0	780	7	*	325	*	340†
Chronic liver disease and cirrhosis	1,040†	370	28	*	640†	276	80	42	*	400
Influenza and pneumonia	724	390	29	0	500	106	74	44	0	224
Essential (primary) hypertension & hypertensive renal disease	711	141	43	0	400	113	125	73	0	311
Parkinson's disease	580†	28	*	0	210†	113	152	106	0	371
Nephritis, nephrotic syndrome and nephrosis	390†	130	21	0	247	55	66	22	*	144
Assault (homicide)	380†	60	100	0	237	*	*	140	0	150†
Septicemia	350†	259	14	0	292	43	15	*	*	62
Human immunodeficiency virus (HIV) disease	90†	39	*	0	60†	17	7	*	0	26
Injury by firearms	930†	72	121	0	619	7	*	302	*	310†
Drug-induced deaths	1,100†	127	158	0	867	16	10	205	*	232
Alcohol-induced deaths	1,100†	338	53	*	740†	223	47	90	*	361

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Includes Emergency Room; [b] Includes other long-term care facilities; [c] Includes hospices.



2C.

AGE-SPECIFIC MORTALITY

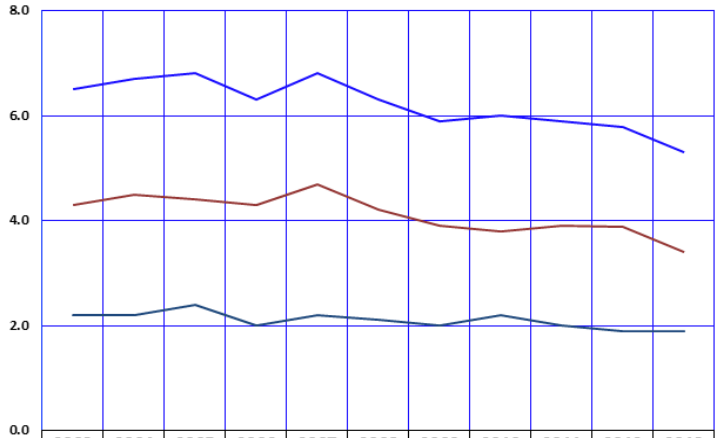
Six age-specific profiles of mortality are given on the following pages. The six developmental periods in the life span are:

- **Infants** less than one year of age
- **Children** 1 to 14 years old
- **Adolescents** or persons 15 to 19 years old
- **Young adults** or persons 20 to 44 years old
- **Middle-aged adults** or persons 45 to 64 years old
- **Elderly** or persons 65 years or older.

For each age group, cause-specific mortality is compared between urban (i.e., Maricopa, Pima, Pinal, and Yuma counties) and rural (all other counties) regions and between genders. Urban and rural regions also are compared in gender-specific total mortality.

A comparison of age-specific mortality for causes of death is provided in **Table 2C-27**. A comparison of age-specific mortality rates is in **Table 2C-28**.

Figure 2C-1
Infant Mortality Rates by Neonatal/Postneonatal Age and Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total infant	6.5	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3
Neonatal	4.3	4.5	4.4	4.3	4.7	4.2	3.9	3.8	3.9	3.9	3.4
Post-neonatal	2.2	2.2	2.4	2.0	2.2	2.1	2.0	2.2	2.0	1.9	1.9

Notes: Neonatal deaths are those to infants age 0-27 days; Post-neonatal are deaths to infants age 28 days-1 year.

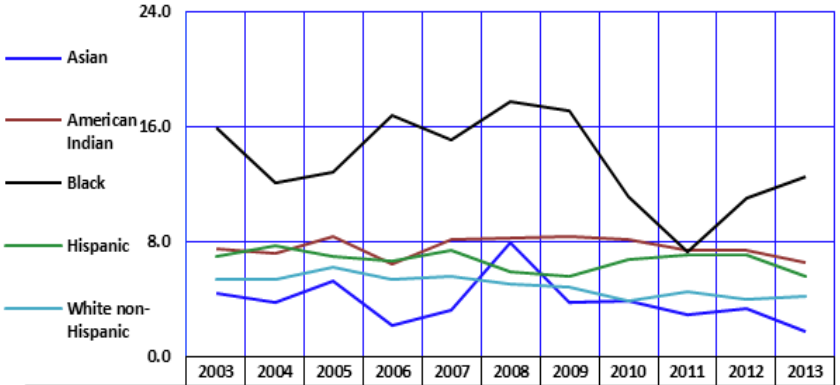
Infant mortality is defined as the number of deaths within the first year of life. The infant mortality rate (IMR) is computed as the number of infant deaths in a calendar year per 1,000 live births recorded for the same period.

In 2013, 447 Arizona infants died before reaching their first birthday, 254 fewer than the latest peak of 701 infant deaths in 2007 (**Table 2C-2**).

Even if the risk of infant mortality remained the same as it was in 2007, 121 fewer infant deaths can be attributed to the absolute reduction in the number births by 17,724 from 2007 to 2013 ((17,724 x 6.8)/1,000) = 121).

Based on the actual number of infant deaths and live births in 2013, the infant mortality rate of 5.3/1,000 was the lowest IMR recorded in the past decade (**Figure 2C-1**).

Figure 2C-2
Infant Mortality Rates[a] by Race/Ethnicity and Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Asian	4.4	3.8	5.3	2.2	3.2	7.9	3.8	3.9	2.9	3.3	1.7
American Indian	7.5	7.2	8.3	6.4	8.1	8.2	8.4	8.1	7.4	7.4	6.6
Black	15.9	12.1	12.8	16.8	15.1	17.7	17.1	11.1	7.3	11.0	12.5
Hispanic	7.0	7.7	7.0	6.6	7.4	5.9	5.6	6.8	7.1	7.1	5.6
White non-Hispanic	5.4	5.4	6.2	5.4	5.6	5.1	4.8	3.9	4.5	4.0	4.2

Notes: [a] Number of infant deaths per 1,000 live births in specified group.

In 2013, 93.1 percent (416/447)* of all infant death records were successfully matched to their corresponding birth records.

The mortality risk for infants varies by race/ethnicity. Infants of Asian or Pacific Islander mothers, followed by infants of White non-Hispanic mothers had the lowest infant mortality rates among the racial/ethnic groups in 2012 (**Figure 2C-2, Table 2C-2**).

In 2013, Black or African American infants had the worst survival chances among the ethnic groups (**Figure 2C-2**). American Indian and Hispanic or Latino infants also had elevated IMRs.

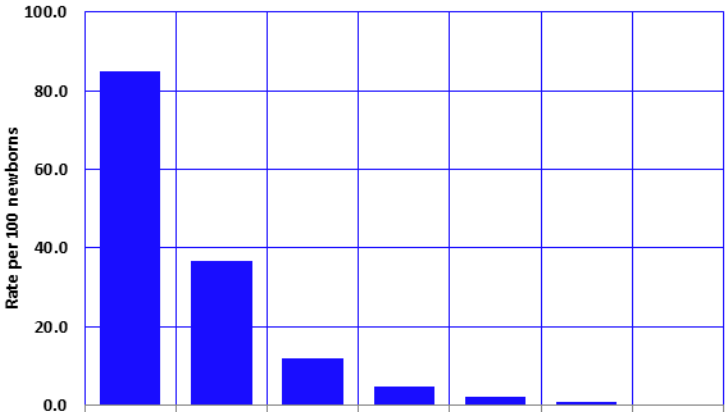
*Infant death records that were not linked to their corresponding birth certificates include unrecorded home births (i.e., no birth certificates was issued) and out-of-State births (i.e., the State issuing the certificate of birth did not send a copy to Arizona).

Newborn weight at birth is one of the most important predictors of an infant's survival chances. In 2013, the mortality rate among babies weighing less than 500 grams at birth was 84.8 percent (**Figure 2C-3**).

The absolute number of low birthweight births actually declined for the sixth consecutive year from 7,285 in 2007 to 5,849 in 2013. In 2013 the proportion of babies whose weight at birth was less than 1,000 grams decreased from 8.1 percent of all low birthweight births in 2012 to 7.4 percent in 2013 (**Table 1B-3**).

Together, births of infants weighing less than 1,500 grams accounted for 1.1 percent of births, and 47.4 percent of all infant deaths with a matching birth record.

Figure 2C-3
Proportion of Infant Deaths by Birthweight, Arizona, 2013

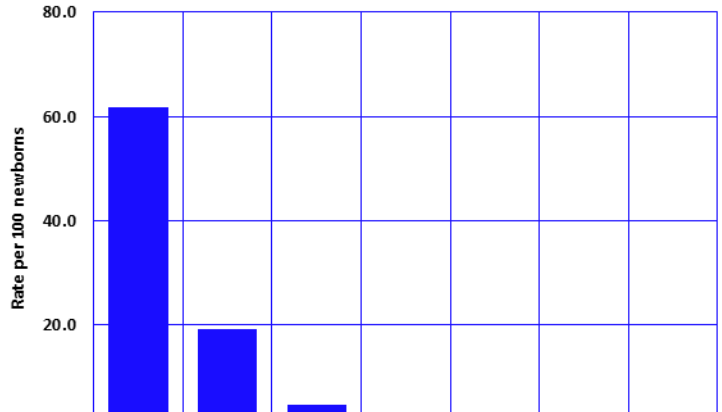


	< 500 grams	500-749 grams	750-999 grams	1000-1499 grams	1500-1999 grams	2000-2499 grams	2500+ grams
No. of newborns	112	161	160	494	1,152	3,770	79,032
No. of infant deaths	95	59	19	24	26	38	150
Infant deaths per 100 newborns	84.8	36.6	11.9	4.9	2.3	1.0	0.2

Notes: 82 cases in the complete 2013 birth file had missing birthweight estimates.

As with low birthweight, preterm and very preterm infants have a large impact on the total infant mortality rate because of their much higher risk of infant mortality. For example, births at 27 weeks or less of gestation accounted for only 0.5 percent of all births but 35.3 percent of infant deaths with a matching death record. Births at less than 24 weeks of gestation have a very high infant mortality rate of 61.7 percent (**Figure 2C-4**). Overall, preterm infants (those born at less than 37 weeks of gestation) accounted for 9.0 percent of all births (**Table 1B-26**) and 54.6 percent of all infant deaths (only those with matching death records).

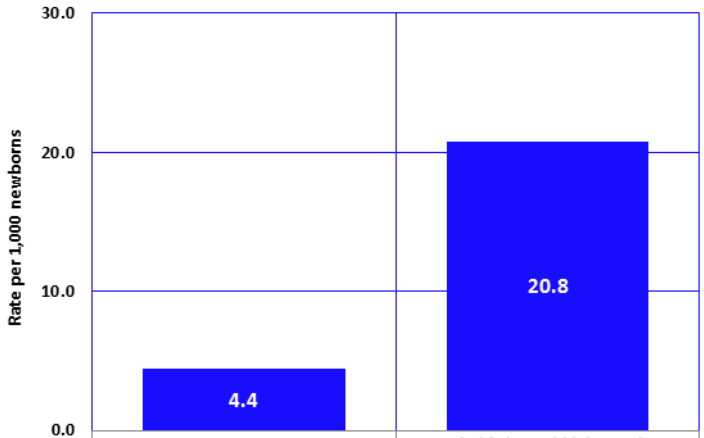
Figure 2C-4
Proportion of Infant Deaths by Gestational Age, Arizona, 2013



	20-23 weeks	24-27 weeks	28-31 weeks	32-35 weeks	36 weeks	37-41 weeks	42 weeks or more
No. of newborns	149	286	633	3,372	3,181	76,992	254
No. of infant deaths	92	55	30	33	17	157	1
Infant deaths per 100 newborns	61.7	19.2	4.7	1.0	0.5	0.2	0.4

Notes: 45 cases in the complete 2013 birth file had missing gestational age estimates, 31 of which were missing in the linked infant death file.

Figure 2C-4.2
Infant Mortality Rates for Single and Multiple Births, Arizona, 2013



	Singleton births	Twin births and higher order multiples
No. of newborns	82,415	2,547
No. of infant deaths	363	53
Infant deaths per 1,000 newborns	4.4	20.8

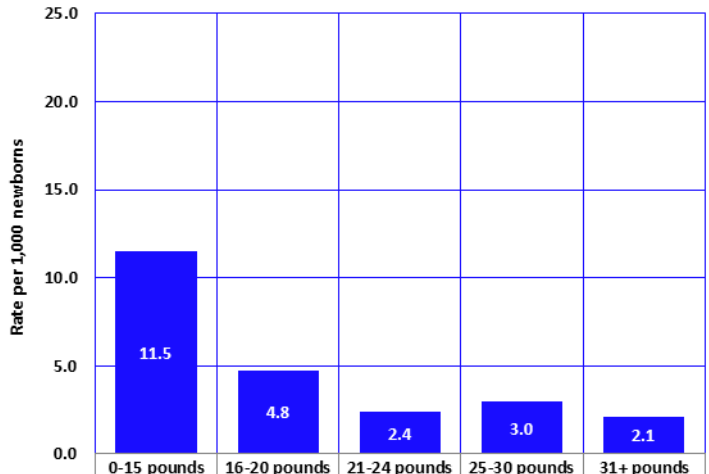
Notes: 1 case in the complete 2013 birth file was missing plurality.

As already noted in Section 1B, infants born in multiple deliveries tend to be born at shorter gestations and smaller than those in singleton deliveries. In 2013, infants born in multiple deliveries were 12.7 times more likely (45.6 vs. 3.6 percent) to be born earlier than expected (at less than 37 completed weeks of gestation) and smaller (at less than 2,500 grams) than singleton births (**Figure 1B-10**).

The infant mortality rate for single births was 4.4 in 2013 (**Figure 2C-4.2**). The infant mortality rate for twin births or higher order multiples was 20.8.

Babies born in multiple deliveries accounted for 3.0 percent of births (**Table 1B-16**), but 12.7 percent of all infant deaths in Arizona in 2013 (only those with matching birth and death records).

Figure 2C-4.3
Infant Mortality Rates by Maternal Weight Gain during Pregnancy, Arizona, 2013



	0-15 pounds	16-20 pounds	21-24 pounds	25-30 pounds	31+ pounds
No. of newborns	12,936	10,504	7,126	18,439	35,394
No. of infant deaths	149	50	17	55	75
Infant deaths per 1,000 newborns	11.5	4.8	2.4	3.0	2.1

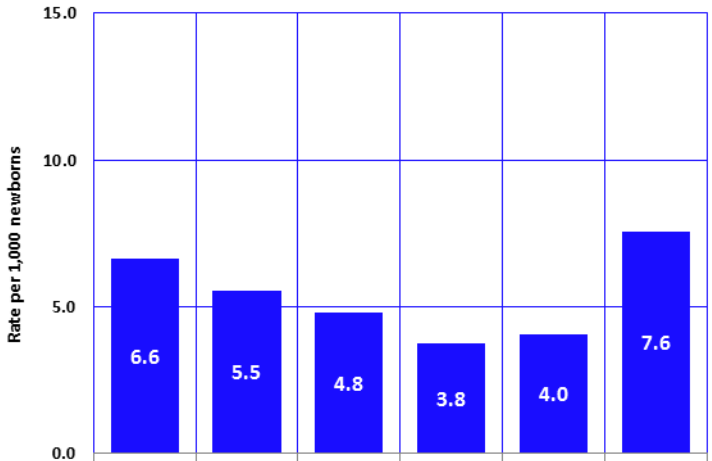
Notes: 564 cases in the complete 2013 birth file were missing maternal weight gain.

Infant mortality rates vary with maternal weight gain during pregnancy. Insufficient or excessive weight gain during pregnancy can negatively impact both maternal and pregnancy outcome. In 2013, as in previous years, the risk of infant death decreased with increasing maternal weight gain, including maternal weight gain of 31 or more pounds (**Figure 2C-4.3**). Among the 35,394 women giving birth in 2013 who gained 31 or more pounds, the risk of infant mortality was 2.1/1,000.

There is no coincidence that mother's weight gain has been shown to have a positive correlation with infant birthweight (**Figure 1B-22**).

Infant mortality rates vary with maternal age. In 2013, infant mortality decreased with increasing maternal age through 34 years of age, but increased somewhat among mothers age 35-39. Infants born to mothers aged 40 and above had the highest infant mortality rate (**Figure 2C-4.4**).

Figure 2C-4.4
Infant Mortality Rates by Mother's Age Group, Arizona, 2013

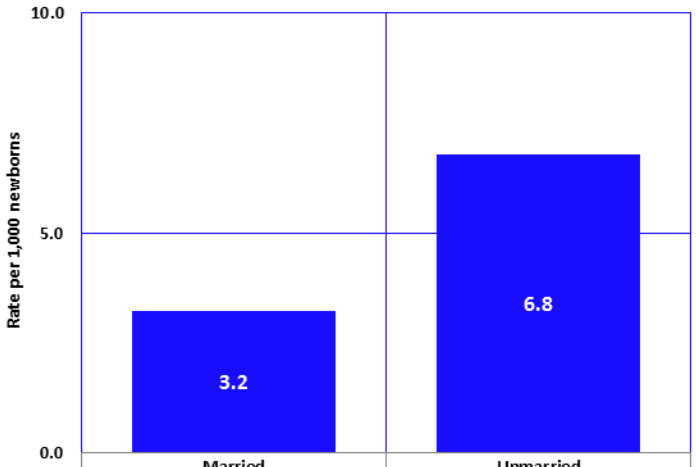


	<20	20-24	25-29	30-34	35-39	40+
No. of newborns	7,222	21,464	24,666	19,969	9,397	2,243
No. of infantdeaths	48	119	118	75	38	17
Infant deaths per 1,000 newborns	6.6	5.5	4.8	3.8	4.0	7.6

Note: 2 cases in the complete 2013 birth file were missing mother's age.

Infants born to unmarried mothers accounted for the absolute majority of infant deaths in 2013 (260 vs. 148). The number of births to married mothers exceeded by 18.9 percent the number of births to unmarried mothers (45,605 vs. 38,352; **Table 1B-26**). In 2013, infants of unmarried mothers had an infant mortality rate of 6.8 deaths per 1,000 live births, 112.5 percent higher than the rate for infants of married mothers (3.2 infant deaths per 1,000 live births; **Figure 2C-4.5**). The effect of marital status on infant mortality suggests that marital status is a proxy measure of factors traditionally related to infant mortality such as poverty conditions, access to health care, and social support. Mother's marital status may signify the presence or absence of emotional, social, and financial resources.

Figure 2C-4.5
Infant Mortality Rates by Mother's Marital Status, Arizona, 2013



	Married	Unmarried
No. of newborns	45,605	38,352
No. of infant deaths	148	260
Infant deaths per 1,000 newborns	3.2	6.8

Note: 1,006 cases in the complete 2013 birth file were missing mother's marital status.

TABLE 2C-1
INFANT, NEONATAL, AND POSTNEONATAL MORTALITY RATES AND PERCENT POSTNEONATAL DEATHS, UNITED STATES, ARIZONA AND URBAN/RURAL COUNTIES OF ARIZONA, 2003-2013

UNITED STATES	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Infant mortality[a]	6.9	6.7	6.9	6.7	6.7	6.7	6.6	6.1	6.0	NA	NA
Neonatal mortality[a]	4.6	4.5	4.6	4.5	4.4	4.4	4.1	4.0	4.0	NA	NA
Postneonatal mortality[a]	2.3	2.2	2.3	2.2	2.3	2.3	2.2	2.1	2.0	NA	NA
Percent postneonatal mortality[b]	33.3	32.8	33.3	32.8	34.3	34.3	33.3	34.4	NA	NA	NA
ARIZONA, STATEWIDE TOTAL											
Infant mortality[a]	6.5	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3
Neonatal mortality[a]	4.3	4.5	4.4	4.3	4.7	4.2	3.9	3.8	3.9	3.9	3.4
Postneonatal mortality[a]	2.2	2.2	2.4	2.0	2.2	2.1	2.0	2.2	2.0	1.9	1.9
Percent postneonatal mortality[b]	33.8	32.8	35.3	31.5	32.4	33.3	34.0	36.7	34.3	32.9	35.3
URBAN COUNTIES											
Infant mortality[a]	6.4	6.7	6.5	6.3	6.6	6.3	5.9	5.7	5.8	5.7	5.2
Neonatal mortality[a]	4.4	4.7	4.3	4.3	4.6	4.3	4.0	3.7	3.9	3.9	3.3
Postneonatal mortality[a]	2.0	2.0	2.2	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8
Percent postneonatal mortality[b]	31.5	29.9	33.8	31.3	30.3	31.8	33.0	35.1	32.6	32.9	35.1
RURAL COUNTIES											
Infant mortality[a]	7.1	6.9	8.6	6.3	8.0	6.2	5.5	7.4	6.6	5.9	5.8
Neonatal mortality[a]	3.8	3.8	5.0	4.3	4.8	3.5	3.9	4.5	3.7	3.9	3.7
Postneonatal mortality[a]	3.3	3.1	3.6	2.0	3.3	2.7	2.0	2.9	2.9	2.0	2.2
Percent postneonatal mortality[b]	46.2	44.9	41.9	32.6	41.3	43.6	38.7	37.7	43.8	33.8	37.3

Notes: [a] Rates per 1,000 live births; the U.S. rates are from the National Center for Health Statistics; the 2011 U.S. rates are provisional; [b] Total infant mortality = 100 percent; Urban = Maricopa, Pima, Pinal, and Yuma Counties; the remaining counties comprise Arizona's rural areas; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

TABLE 2C-2
NUMBER AND RATE[a] OF INFANT DEATHS BY RACE/ETHNICITY AND GENDER, ARIZONA, 2003-2013
NUMBER OF INFANT DEATHS

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
White non-Hispanic	**Total**	208	211	245	232	237	215	192	151	171	154	161
	Male	124	129	140	119	135	114	109	88	98	81	93
	Female	84	82	105	113	102	101	83	63	73	73	68
Hispanic or Latino	**Total**	274	314	296	297	338	251	215	235	229	236	185
	Male	148	168	161	173	186	142	115	144	122	138	97
	Female	126	146	135	124	152	109	100	91	107	98	88
Black or African American	**Total**	48	39	44	65	63	76	75	48	32	52	59
	Male	26	26	30	36	42	42	41	20	16	22	30
	Female	22	13	14	29	21	34	34	28	16	30	29
American Indian or Alaska Native	**Total**	44	44	52	41	52	52	52	47	43	41	36
	Male	22	24	25	28	29	27	28	28	15	22	19
	Female	22	20	27	13	23	25	24	19	28	19	17
Asian or Pacific Islander	**Total**	10†	10†	15	10†	10†	27	13	10†	10†	10†	10†
	Male	6	*	7	*	7	15	6	9	8	8	*
	Female	*	6	8	*	*	12	7	*	*	*	*
All groups[b]	**Total**	586	622	653	642	701	625	547	519	504	495	447
	Male	326	353	364	361	399	343	299	302	267	271	242
	Female	260	269	289	281	302	282	248	217	237	224	205

INFANT MORTALITY RATES

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
White non-Hispanic	**Total**	5.4	5.4	6.2	5.4	5.6	5.1	4.8	3.9	4.5	4.0	4.2
	Male	6.2	6.4	6.9	5.4	6.3	5.3	5.4	4.4	5.0	4.1	4.7
	Female	4.4	4.3	5.5	5.4	4.9	4.9	4.3	3.3	3.9	3.9	3.7
Hispanic or Latino	**Total**	7.0	7.7	7.0	6.6	7.4	5.9	5.6	6.8	7.1	7.1	5.6
	Male	7.4	8.0	7.5	7.5	7.9	6.5	5.8	8.3	7.3	8.1	5.7
	Female	6.6	7.3	6.6	5.7	6.8	5.2	5.3	5.4	6.8	6.1	5.5
Black or African American	**Total**	15.9	12.1	12.8	16.8	15.1	17.7	17.1	11.1	7.3	11.0	12.5
	Male	16.6	15.7	17.2	18.3	19.5	18.7	18.0	9.1	7.3	9.2	12.3
	Female	15.1	8.3	8.2	15.3	10.5	16.6	16.2	13.1	7.4	12.8	12.7
American Indian or Alaska Native	**Total**	7.5	7.2	8.3	6.4	8.1	8.2	8.4	8.1	7.4	7.4	6.6
	Male	7.6	7.7	7.8	8.8	9.0	8.5	9.0	9.5	5.1	7.8	6.7
	Female	7.4	6.7	8.7	4.1	7.2	7.9	7.8	6.6	9.7	6.9	6.4
Asian or Pacific Islander	**Total**	4.4	3.8	5.3	2.2	3.2	7.9	3.8	3.9	2.9	3.3	1.7
	Male	4.7	**	4.9	**	3.9	8.5	3.4	5.4	4.4	4.2	**
	Female	**	4.8	5.8	**	**	7.2	4.3	**	**	**	**
All groups[b]	**Total**	6.5	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3
	Male	7.0	7.4	7.4	6.9	7.6	6.8	6.3	6.8	6.1	6.2	5.5
	Female	5.9	5.9	6.2	5.6	6.0	5.8	5.5	5.1	5.7	5.4	5.0

Notes: * Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Number of infant deaths per 1,000 live births in specified ethnic/gender group; infant deaths are by the race/ethnicity of the decedent; For consistency with the national data, the denominators used to calculate infant mortality rates were changed from race/ethnicity of parents to race/ethnicity of mother as stated on the birth certificate; The change in the basis for calculating infant mortality rates results in lower rates for white infants and higher rates for most minority infants than when they are computed by the previous method; [b] Includes records with other and unknown ethnic group.

TABLE 2C-3
NUMBER AND RATE[a] OF INFANT DEATHS BY RACE/ETHNICITY AND AGE GROUP, 2003-2013
NUMBER OF INFANT DEATHS

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
White non-Hispanic	**Total**	208	211	245	232	237	215	192	151	171	154	161
	Neonatal	143	155	163	161	161	138	129	96	120	100	97
	Postneonatal	65	56	82	71	76	77	63	55	51	54	64
Hispanic or Latino	**Total**	274	314	296	297	338	251	215	235	229	236	185
	Neonatal	190	209	205	213	239	175	150	156	152	170	131
	Postneonatal	84	105	91	84	99	76	65	79	77	66	54
Black or African American	**Total**	48	39	44	65	63	76	75	48	32	52	59
	Neonatal	31	25	19	37	43	51	46	32	20	34	38
	Postneonatal	17	14	25	28	20	25	29	16	12	18	21
American Indian or Alaska Native	**Total**	44	44	52	41	52	52	52	47	43	41	36
	Neonatal	18	21	27	26	27	29	26	22	19	21	20
	Postneonatal	26	23	25	15	25	23	26	25	24	20	16
Asian or Pacific Islander	**Total**	10†	10†	15	10†	10†	30†	10†	10†	10	10†	10†
	Neonatal	*	7	9	*	9	22	10	11	10	7	*
	Postneonatal	6	*	6	*	*	*	*	*	0	*	*
All groups[b]	**Total**	586	622	653	642	701	625	547	519	504	495	447
	Neonatal	388	421	424	440	479	419	361	330	331	332	289
	Postneonatal	198	201	229	202	222	206	186	189	173	163	158

INFANT MORTALITY RATES

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
White non-Hispanic	**Total**	5.4	5.4	6.2	5.4	5.6	5.1	4.8	3.9	4.5	4.0	4.2
	Neonatal	3.7	3.9	4.1	3.7	3.8	3.3	3.2	2.5	3.1	2.6	2.5
	Postneonatal	1.7	1.4	2.1	1.7	1.8	1.8	1.6	1.4	1.3	1.4	1.7
Hispanic or Latino	**Total**	7.0	7.7	7.0	6.6	7.4	5.9	5.6	6.8	7.1	7.1	5.6
	Neonatal	4.9	5.1	4.9	4.7	5.2	4.1	3.9	4.5	4.7	5.1	4.0
	Postneonatal	2.1	2.6	2.1	1.9	2.2	1.8	1.7	2.3	2.4	2.0	1.6
Black or African American	**Total**	15.9	12.1	12.8	16.8	15.1	17.7	17.1	11.1	7.3	11.0	12.5
	Neonatal	10.3	7.8	5.5	9.6	10.3	11.9	10.5	7.4	4.6	7.2	8.0
	Postneonatal	5.6	4.4	7.3	7.2	4.8	5.8	6.6	3.7	2.7	3.8	4.4
American Indian or Alaska Native	**Total**	7.5	7.2	8.3	6.4	8.1	8.2	8.4	8.1	7.4	7.4	6.6
	Neonatal	3.1	3.4	4.3	4.0	4.2	4.6	4.2	3.8	3.3	3.8	3.7
	Postneonatal	4.4	3.8	4.0	2.4	3.9	3.6	4.2	4.3	4.1	3.6	2.9
Asian or Pacific Islander	**Total**	4.4	3.8	5.3	2.2	3.2	7.9	3.8	3.9	2.9	3.3	1.7
	Neonatal	**	2.7	3.2	**	2.6	6.4	2.9	3.3	2.9	1.9	**
	Postneonatal	2.4	**	2.1	**	**	**	**	**	0.0	**	**
All groups[b]	**Total**	6.5	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3
	Neonatal	4.3	4.5	4.4	4.3	4.7	4.2	3.9	3.8	3.9	3.9	3.4
	Postneonatal	2.2	2.2	2.4	2.0	2.2	2.1	2.0	2.2	2.0	1.9	1.9

Notes:* Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Number of infant deaths per 1,000 live births in specified ethnic/gender group; infant deaths are by the race/ethnicity of the decedent; for consistency with the national data, the denominators used to calculate infant mortality rates were changed from race/ethnicity of parents to race/ethnicity of mother as stated on the birth certificate; the change in the basis for calculating infant mortality rates results in lower rates for white infants and higher rates for most minority infants than when they are computed by the previous method; [b] Includes records with other and unknown ethnic group.

TABLE 2C-4
NEONATAL, POSTNEONATAL, AND TOTAL INFANT MORTALITY BY CHILD'S GENDER AND MOTHER'S RACE/ETHNICITY, ARIZONA, 2013

	NUMBER OF DEATHS BY AGE			MORTALITY RATES[a]		
	Total	Neonatal	Postneonatal	Total	Neonatal	Postneonatal
TOTAL, ALL GROUPS	447	289	158	5.3	3.4	1.9
Male	242	151	91	5.5	3.5	2.1
Female	205	138	67	5.0	3.3	1.6
White non-Hispanic	161	97	64	4.2	2.5	1.7
Male	93	54	39	4.7	2.8	2.0
Female	68	43	25	3.7	2.3	1.3
Hispanic or Latino	185	131	54	5.6	4.0	1.6
Male	97	67	30	5.7	3.9	1.8
Female	88	64	24	5.5	4.0	1.5
Black or African American	59	38	21	12.5	8.0	4.4
Male	30	18	12	12.3	7.4	4.9
Female	29	20	9	12.7	8.8	3.9
American Indian or Alaska Native	36	20	16	6.6	3.7	2.9
Male	19	11	8	6.7	3.9	2.8
Female	17	9	8	6.4	3.4	3.0
Asian or Pacific Islander	10†	*	*	1.7	**	**
Male	0†	*	*	**	**	**
Female	0†	*	*	**	**	**

Notes:* Cell suppressed due to count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Number of deaths per 1,000 live births in specified gender group by mother's race/ethnicity; denominators are from Table 5B-8.

TABLE 2C-5
NUMBER OF DEATHS FOR SELECTED LEADING CAUSES OF INFANT MORTALITY[a] BY YEAR, ARIZONA, 2003-2013

Causes of death	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Congenital malformations, deformations and chromosomal abnormalities	126	152	149	142	159	145	122	114	107	118	101
of respiratory system	10	14	15	9	9	*	*	9	*	6	*
of brain, spinal cord or nervous system	23	20	19	28	20	24	15	21	13	19	13
Short gestation and low birth weight	85	84	79	93	95	91	101	64	60	62	56
Maternal complications	31	36	47	42	30	53	31	27	33	46	28
Sudden infant death syndrome	28	25	32	37	43	21	42	34	25	13	14
Accidents (unintentional injuries)	23	19	24	17	30	19	18	18	23	16	14
Intrauterine hypoxia or birth asphyxia	10	14	12	7	11	11	*	*	11	*	6
Assault (homicide)	11	*	8	11	12	*	*	6	6	*	*
Respiratory distress syndrome	8	8	12	12	8	11	8	7	*	*	*
Influenza and pneumonia	21	17	19	13	*	*	10	*	*	*	*
Total, all causes	586	622	653	642	701	625	547	519	504	495	447

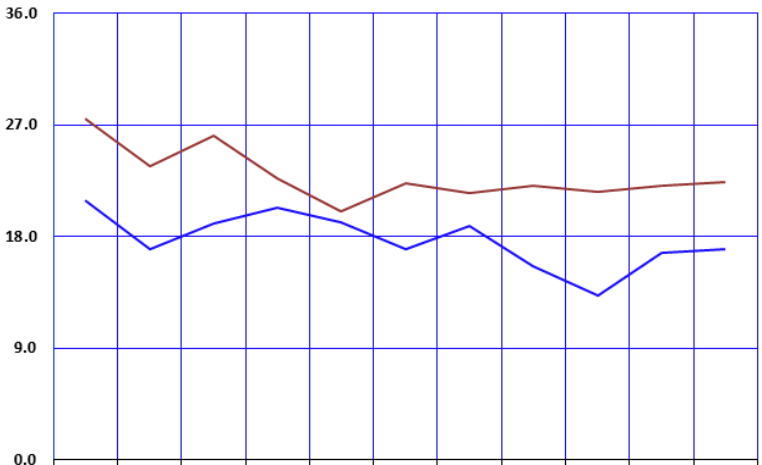
Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Leading causes of infant mortality are based on the list of 130 causes of infant death according to the Tenth Revision, International Classification of Diseases (ICD-10).

TABLE 2C-6
INFANT MORTALITY RATES[a] FOR SELECTED LEADING CAUSES OF DEATH BY YEAR, ARIZONA, 2003-2013

Causes of death	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Congenital malformations, deformations and chromosomal abnormalities	1.4	1.6	1.6	1.4	1.5	1.5	1.3	1.3	1.3	1.4	1.2
of respiratory system	0.1	0.1	0.2	0.1	0.1	**	**	0.1	**	0.1	**
of brain, spinal cord or nervous system	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Short gestation and low birth weight	0.9	0.9	0.8	0.9	0.9	0.9	1.1	0.7	0.7	0.7	0.7
Maternal complications	0.3	0.4	0.5	0.4	0.3	0.5	0.3	0.3	0.4	0.5	0.3
Sudden infant death syndrome	0.3	0.3	0.3	0.4	0.4	0.2	0.4	0.4	0.3	0.2	0.2
Accidents (unintentional injuries)	0.3	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2
Intrauterine hypoxia or birth asphyxia	0.1	0.1	0.1	0.1	0.1	0.1	**	**	0.1	**	0.1
Assault (homicide)	0.1	**	0.1	0.1	0.1	**	**	0.1	0.1	**	**
Respiratory distress syndrome	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**	**	**
Influenza and pneumonia	0.2	0.2	0.2	0.1	**	**	0.1	**	**	**	**
Total, all causes	6.5	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] Number of infant deaths per 1,000 live births; leading causes of infant mortality are based on the list of 130 causes of infant death according to the Tenth Revision, International Classification of Diseases (ICD-10).

Figure 2C-5
Mortality Rates[a] by Gender and Year among Children 1-14 Years, Arizona, 2003-2013



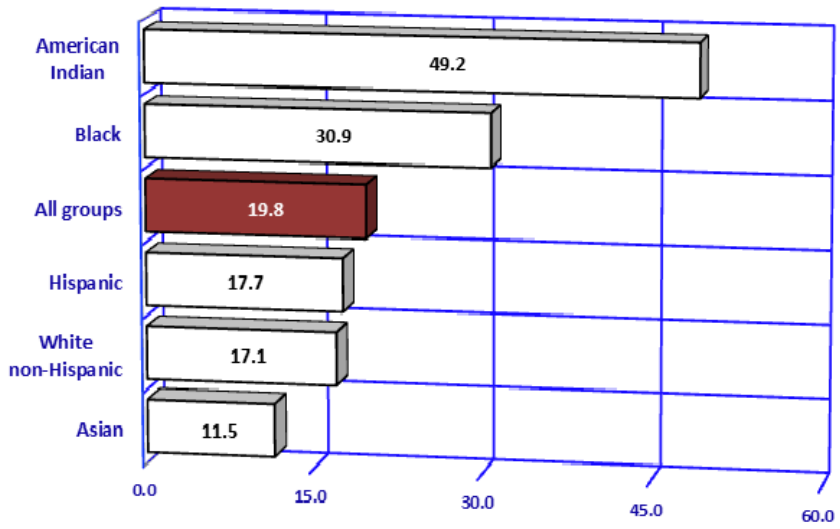
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	20.9	17.0	19.0	20.3	19.1	17.0	18.8	15.6	13.2	16.7	17.0
Male	27.5	23.7	26.1	22.7	20.0	22.3	21.5	22.1	21.6	22.0	22.4

Notes: [a] Number of deaths per 100,000 persons, 1-14 years old in specified group.

Death claimed the lives of 252 of the 1,275,227 children (1 to 14 years old) residing in Arizona in 2013. Their 2013 mortality rate of 19.8 per 100,000 was 2.1 percent greater than the rate of 19.4 in 2012 (**Table 2C-7**). Both males and females experienced slight increases in their total mortality rates from 2012 to 2013 (**Figure 2C-5**, **Table 2C-7**).

The five causes with the greatest mortality rates in childhood from 2003-2013 were *accidents* (unintentional injuries), *malignant neoplasms*, *congenital malformations*, *homicide,* and *suicide* (**Table 2C-7**).

Figure 2C-6
Mortality Rates[a] by Race/Ethnicity among Children 1-14 Years, Arizona, 2013



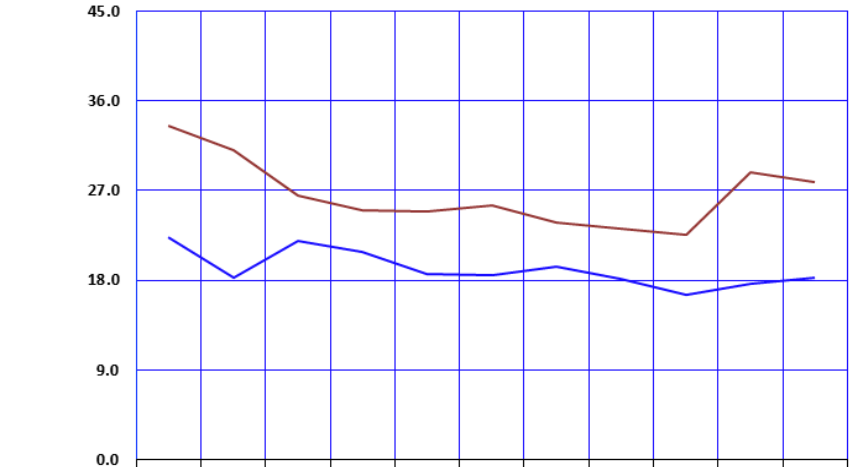
Notes: [a] Number of deaths per 100,000 persons, 1-14 years old in specified group.

American Indian children had the highest 2013 total mortality rate (49.2 deaths per 100,000) followed by Black or African American children (30.9/100,000; **Figure 2C-6**). The mortality rates of Hispanic or Latino, White non-Hispanic, and Asian children were lower than the average rate for all groups.

In 2013, there were 20 children who died of accidental drowning and submersion, 19 children who died of assault, and 8 completed *suicides* of children aged 1-14 years (**Table 2C-10**). The mortality rate for Native American children due to automobile accidents ((10/77,196)*100,000 = 13.0) was 4.8 times greater than the automobile accident mortality rate for White non-Hispanic children ((15/561,898)*100,000 =2.7).

From 2012 to 2013, overall mortality rates increased for urban children but decreased for rural children (**Figure 2C-7, Table 2C-8**). From 2003 to 2013 the total mortality rates decreased by 17.9 percent for urban children and by 16.7 percent for rural children.

Figure 2C-7
Mortality Rates[a] by Urban/Rural Area[b] and Year among Children 1-14 Years, Arizona, 2003-2013



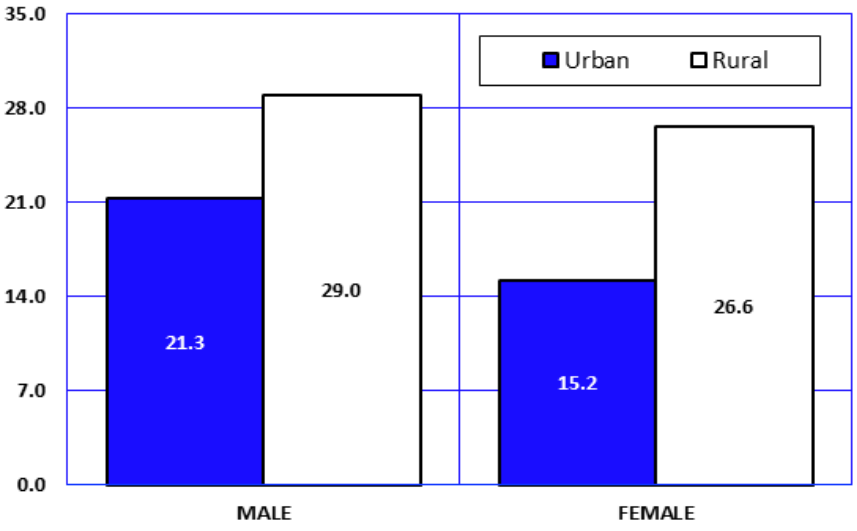
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Urban	22.3	18.3	21.9	20.9	18.6	18.5	19.4	18.1	16.6	17.7	18.3
Rural	33.5	31.1	26.5	25.0	24.9	25.5	23.8	23.2	22.6	28.9	27.9

Notes: [a] Number of deaths per 100,000 persons, 1-14 years old in specified group; [b] Urban counties are Maricopa, Pima, Pinal, and Yuma Counties, Rural Counties are those remaining.

From 2012 to 2013, the mortality rate for accidents slightly increased for both urban and rural children (**Table 2C-8**). The mortality rate for unintentional injuries among rural children (12.6/100,000) was 2.3 times greater than the rate among urban children (5.5/100,000, **Table 2C-8**). In 2013, 20 children in urban areas died of accidental drowning while no rural children died of this cause (**Table 2C-10**).

Urban females 1-14 years old had the lowest mortality risk among gender by area groups in 2013, followed by urban males, rural females, and rural males.

Figure 2C-8
Mortality Rates[a] by Gender in Urban/Rural[b] Areas among Children 1-14 Years, Arizona, 2013



Notes: [a] Number of deaths per 100,000 persons, 1-14 years old in specified group; [b] Urban counties include Maricopa, Pima, Pinal, and Yuma Counties, Rural Counties are those remaining.

TABLE 2C-7
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG CHILDREN (1-14 YEARS) BY GENDER, ARIZONA, 2003-2013

Gender/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
MALE												
Accidents (unintentional injuries)	11.3	9.5	10.0	8.0	8.3	7.8	8.0	8.2	9.6	7.4	8.6	-23.9
Motor vehicle accidents	6.5	5.2	4.5	4.2	4.6	2.5	4.2	3.1	4.0	3.5	4.5	-31.5
Other	2.0	1.6	3.2	2.9	2.2	2.4	1.2	2.6	3.1	1.7	2.3	15.2
Drowning	2.8	2.7	2.3	0.9	1.5	2.9	2.6	2.5	2.6	2.2	1.8	-34.2
Malignant neoplasms	2.7	1.6	1.7	1.7	2.2	2.5	3.1	1.9	1.7	2.8	2.5	-9.0
Assault (homicide)	0.7	2.3	2.0	1.5	1.3	1.2	0.9	2.0	0.9	0.9	1.4	97.4
Congenital malformations	1.7	1.6	1.9	2.3	0.7	1.8	1.5	1.5	1.7	1.8	0.9	-45.8
Intentional self-harm (suicide)	1.2	0.3	1.1	0.5	0.4	0.9	0.4	1.2	1.1	1.1	0.6	-48.8
ALL CAUSES	27.5	23.7	26.1	22.7	20.0	22.3	21.5	22.1	21.6	22.0	22.4	-18.5
(Number of all deaths)	(166)	(147)	(168)	(150)	(134)	(152)	(148)	(143)	(141)	(143)	(146)	(-12.0)
FEMALE												
Accidents (unintentional injuries)	6.8	6.6	7.8	7.8	6.3	4.6	5.5	5.1	3.2	3.7	4.5	-34.0
Motor vehicle accidents	4.2	4.1	4.6	4.1	3.6	2.8	2.9	2.4	1.1	1.8	2.6	-38.9
Drowning	1.2	1.2	1.6	2.1	0.8	0.9	0.6	1.3	1.3	0.8	1.3	6.8
Other	1.4	1.0	1.6	1.6	1.9	0.9	2.0	1.4	0.8	1.1	0.6	-54.2
Congenital malformations	1.9	1.4	1.8	2.1	1.3	1.5	1.4	1.6	1.0	2.3	2.4	26.5
Malignant neoplasms	2.6	2.0	2.1	0.9	4.2	2.0	1.8	2.2	2.4	2.4	2.1	-19.9
Assault (homicide)	1.0	0.7	0.8	0.8	1.4	0.9	1.8	0.3	1.3	1.1	1.6	60.3
Influenza and pneumonia	0.5	0.7	0.5	0.9	0.2	0.6	0.5	0.3	0.3	0.2	0.2	-60.0
ALL CAUSES	20.9	17.0	19.0	20.3	19.1	17.0	18.8	15.6	13.2	16.7	17.0	-18.7
(Number of all deaths)	(120)	(101)	(117)	(128)	(122)	(110)	(123)	(97)	(83)	(104)	(106)	(-11.7)
TOTAL												
Accidents (unintentional injuries)	9.1	8.1	8.9	7.9	7.3	6.2	6.8	6.7	6.5	5.6	6.6	-27.6
Motor vehicle accidents	5.4	4.6	4.5	4.2	4.1	2.6	3.6	2.8	2.6	2.7	3.5	-34.7
Drowning	2.0	2.0	2.0	1.5	1.1	2.0	1.6	1.9	2.0	1.5	1.6	-21.6
Other	1.7	1.5	2.4	2.2	2.1	1.6	1.6	2.0	2.0	1.4	1.5	-11.8
Malignant neoplasms	2.6	1.8	1.9	1.3	3.2	2.3	2.5	2.0	2.0	2.6	2.3	-12.5
Congenital malformations	1.8	1.5	1.8	2.2	1.0	1.7	1.4	1.6	1.3	2.0	1.6	-8.5
Assault (homicide)	0.8	1.5	1.4	1.2	1.4	1.1	1.3	1.2	1.1	1.0	1.5	86.2
Intentional self-harm (suicide)	0.7	0.2	0.9	0.9	0.4	0.6	0.3	0.7	0.9	0.6	0.6	-10.4
ALL CAUSES	24.3	20.4	22.7	21.5	19.5	19.7	20.2	18.9	17.5	19.4	19.8	-18.7
(Number of all deaths)	(286)	(248)	(285)	(278)	(256)	(262)	(271)	(240)	(224)	(247)	(252)	(-11.9)

Notes: [a] Number of deaths per 100,000 children 1-14 years old; [b] The five causes with the greatest number of deaths over the 2003-2013 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" – for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-8
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG CHILDREN (1-14 YEARS) IN URBAN AND RURAL AREAS[c], ARIZONA, 2003-2013

Area/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Accidents (unintentional injuries)	7.3	6.8	9.2	7.1	6.5	5.4	6.4	6.0	5.7	4.7	5.5	-24.7
Motor vehicle accidents	4.2	3.7	4.2	3.9	3.2	2.0	3.2	2.5	1.7	1.9	2.6	-39.0
Drowning	2.2	2.1	2.3	1.4	1.3	1.8	1.8	1.8	2.2	1.5	1.8	-16.8
Other	0.9	1.0	2.7	1.8	2.0	1.7	1.5	1.7	1.7	1.3	1.1	22.1
Malignant neoplasms	2.8	1.6	2.2	1.5	3.4	2.6	2.6	2.3	2.1	2.6	2.4	-15.0
Congenital malformations	1.6	1.5	1.7	2.4	0.8	1.7	1.3	1.8	1.3	2.1	1.8	14.5
Assault (homicide)	0.9	1.4	1.3	1.1	1.4	1.1	1.3	1.3	1.2	0.9	1.5	62.8
Diseases of heart	0.5	0.8	0.4	1.0	0.4	0.4	0.3	0.3	0.4	0.6	0.3	-45.1
ALL CAUSES	22.4	18.3	21.9	20.9	18.6	18.5	19.4	18.1	16.6	17.7	18.3	-18.2
(Number of all deaths)	(219)	(184)	(229)	(228)	(206)	(210)	(221)	(197)	(182)	(192)	(200)	(-8.7)
RURAL												
Accidents (unintentional injuries)	18.0	14.6	7.6	12.0	12.0	10.3	8.8	10.8	11.3	10.9	12.6	-30.2
Motor vehicle accidents	11.0	9.2	6.2	5.5	9.0	6.4	5.8	4.3	7.5	7.1	8.7	-20.6
Other	5.5	3.9	0.9	4.5	2.5	1.5	1.9	4.3	3.2	2.2	3.8	-30.5
Drowning	1.5	1.5	0.5	2.0	0.5	2.5	1.0	2.2	0.5	1.6	0.0	-100.0
Malignant neoplasms	2.0	2.9	0.5	0.5	2.0	0.5	1.9	0.5	1.6	2.2	1.6	-18.1
Assault (homicide)	0.5	1.9	1.9	1.5	1.0	1.0	1.5	0.5	0.5	1.6	1.6	227.7
Intentional self-harm (suicide)	1.0	0.5	2.8	2.0	0.5	1.5	0.5	1.1	0.5	1.1	1.6	63.9
Congenital malformations	2.5	1.5	2.4	1.0	2.0	1.5	1.9	0.5	1.6	1.6	0.5	-78.2
ALL CAUSES	33.5	31.1	26.5	25.0	24.9	25.5	23.8	23.2	22.6	28.9	27.9	-16.9
(Number of all deaths)	(67)	(64)	(56)	(50)	(50)	(52)	(49)	(43)	(42)	(53)	(51)	(-23.9)
STATEWIDE												
Accidents (unintentional injuries)	9.1	8.1	8.9	7.9	7.3	6.2	6.8	6.7	6.5	5.6	6.6	-27.6
Motor vehicle accidents	5.4	4.6	4.5	4.2	4.1	2.6	3.6	2.8	2.6	2.7	3.5	-34.7
Drowning	2.0	2.0	2.0	1.5	1.1	2.0	1.6	1.9	2.0	1.5	1.6	-21.6
Other	1.7	1.5	2.4	2.2	2.1	1.6	1.6	2.0	2.0	1.4	1.5	-11.8
Malignant neoplasms	2.6	1.8	1.9	1.3	3.2	2.3	2.5	2.0	2.0	2.6	2.3	-12.5
Congenital malformations	1.8	1.5	1.8	2.2	1.0	1.7	1.4	1.6	1.3	2.0	1.6	-8.5
Assault (homicide)	0.8	1.5	1.4	1.2	1.4	1.1	1.3	1.2	1.1	1.0	1.5	86.2
Intentional self-harm (suicide)	0.7	0.2	0.9	0.9	0.4	0.6	0.3	0.7	0.9	0.6	0.6	-10.4
ALL CAUSES	24.3	20.4	22.7	21.5	19.5	19.7	20.2	18.9	17.5	19.4	19.8	-18.7
(Number of all deaths)	(286)	(248)	(285)	(278)	(256)	(262)	(271)	(240)	(224)	(247)	(252)	(-11.9)

Notes: [a] Number of deaths per 100,000 children 1-14 years old; [b] The five causes with the greatest number of deaths over the 2003-2013 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10; measures of comparison between ICD-9 and ICD-10 - the "comparability ratios" - for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-9
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2003-2013

Area/Gender	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% Change from 2003
URBAN												
Male	24.4	21.9	25.9	22.2	19.2	21.1	20.6	20.0	20.8	20.0	21.3	-12.6
Female	20.2	14.4	17.6	19.5	18.0	15.9	18.2	16.2	12.3	15.2	15.2	-24.9
TOTAL	22.4	18.3	21.9	20.9	18.6	18.5	19.4	18.1	16.6	17.7	18.3	-18.2
RURAL												
Male	42.1	31.8	27.0	25.5	24.4	27.9	25.7	33.9	26.4	32.1	29.0	-31.0
Female	24.5	30.3	26.1	24.4	25.4	23.0	21.8	12.1	18.7	25.5	26.6	8.7
TOTAL	33.5	31.1	26.5	25.0	24.9	25.5	23.8	23.2	22.6	28.9	27.9	-16.9
STATEWIDE												
Male	27.5	23.7	26.1	22.7	20.0	22.3	21.5	22.1	21.6	22.0	22.4	-18.5
Female	20.9	17.0	19.0	20.3	19.1	17.0	18.8	15.6	13.2	16.7	17.0	-18.7
TOTAL	24.3	20.4	22.7	21.5	19.5	19.7	20.2	18.9	17.5	19.4	19.8	-18.7

Notes: [a] Rates are presented per 100,000 children 1-14 years old; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

TABLE 2C-10
LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2013

Cause of death	Total[a]	Gender		Area[b]			Race/ethnicity				
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or other Pacific Islander
Accidents (unintentional injury)	80†	56	28	60	23	*	29	32	7	15	*
Motor vehicle accidents	45	29	16	28	16	*	15	14	6	10	0
Accidental drowning and submersion	20†	12	8	20	0	0	8	10	*	0	*
Malignant neoplasms	30†	16	13	26	*	0	10	18	0	*	0
Leukemia	10†	7	*	7	*	0	*	6	0	*	0
Congenital malformations	20†	6	15	20	*	0	9	10	0	*	0
Assault (homicide)	20†	9	10	16	*	0	7	8	*	*	0
By discharge of firearms	0†	*	*	*	0	0	*	*	0	0	0
By other means	20†	8	8	13	*	0	*	7	*	*	0
Intentional self-harm (suicide)	10†	*	*	*	*	0	*	*	0	*	0
Chronic lower respiratory diseases	10†	6	*	*	*	0	*	0	*	*	0
Asthma	10†	6	*	*	*	0	*	0	*	*	0
Influenza and pneumonia	0†	*	*	*	*	0	*	*	0	*	0
Total, all causes[c]	252	146	106	200	51	1	96	96	18	38	4

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] May include death records where the county of residence could not be classified as urban or rural; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; [c] May include other causes of death not shown above.

Figure 2C-9
Mortality Rates[a] by Gender and Year among Adolescents 15-19 Years, Arizona, 2003-2013



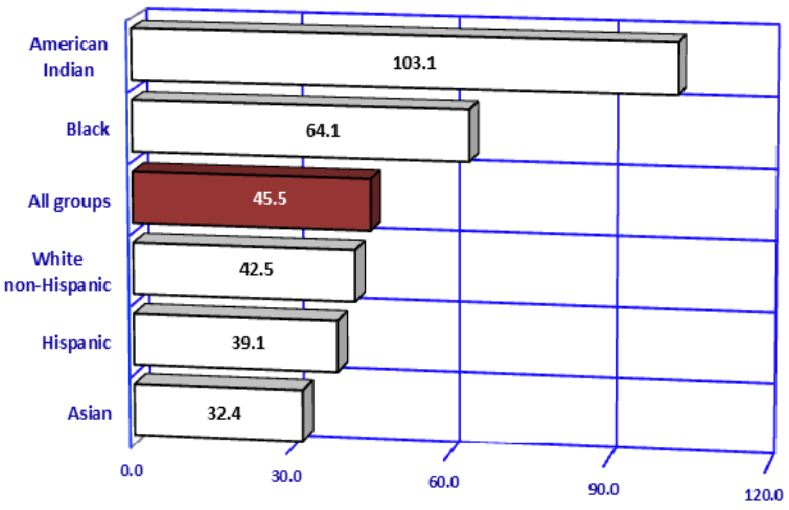
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	41.7	49.8	39.4	56.6	49.3	40.7	29.0	24.5	31.0	30.3	23.2
Male	106.7	109.5	118.5	129.1	102.7	89.1	81.1	69.5	67.4	62.5	66.5

Notes: [a] Number of deaths per 100,000 persons, 15 - 19 years old in specified group.

Adolescence refers to individuals between the ages of 15 and 19, an important developmental period marking the transition from childhood to adulthood. In 2013, an estimated 470,793 adolescents resided in Arizona, comprising 7.2 percent of the State's population (**Table 10A-1**). The lives of 214 resident adolescents prematurely ended in 2013, resulting in a total mortality rate of 45.5 deaths per 100,000 adolescents. This mortality rate was 39.7 percent lower than the 2003 rate (**Table 2C-11**).

The likelihood of dying was 2.9 times greater for adolescent boys than for adolescent girls in 2013 (**Figure 2C-9**, **Table 2C-11**).

Figure 2C-10
Mortality Rates[a] by Race/Ethnicity among Adolescents 15-19 Years, Arizona, 2013



Notes: [a] Number of deaths per 100,000 persons, 15 - 19 years old in specified group.

The five causes with the greatest number of deaths over the 2003-2013 period were *unintentional injuries in accidents*, *suicide*, *homicide malignant neoplasms*, and *symptoms, signs, and abnormal findings* (**Table 2C-14**).

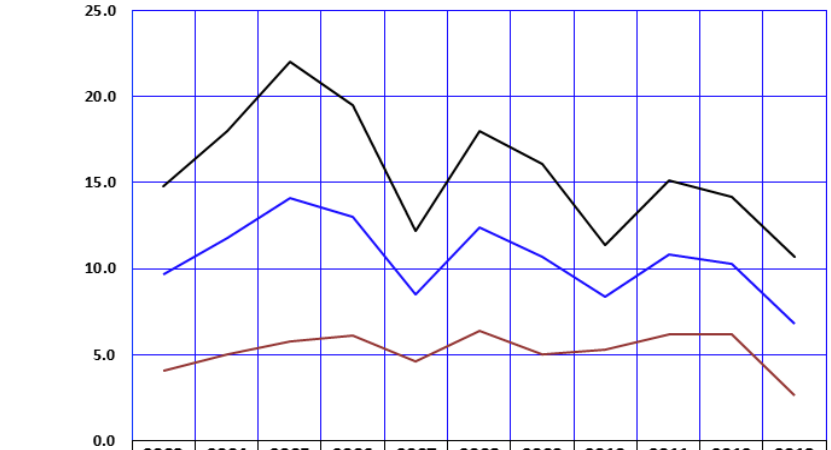
In 2013, adolescents who were Asian, Hispanic, or White non-Hispanic had greater survival chances than the state average for all adolescents, while American Indian and Black adolescents had lower survival chances than average (**Figure 2C-10**). If the 2013 mortality risk of Asian adolescents (i.e., their mortality rate) applied to all adolescents, only 153 would have died: 61 less than the 214 who actually did.

The number of deaths from accidental drug poisoning declined from 39 in 2009 and 25 in 2011 to 18 in 2012, but rose to 25 in 2013.

The number of suicides among Arizonans age 15-19 years decreased 33.3 percent from 2012 (n = 48) to 2013 (n = 32; **Table 2C-14**). In 2013, as in prior years, male adolescents accounted for the absolute majority (81.3 percent) of completed suicides.

The adolescent suicide rate for males in 2013 was the lowest recorded since at least 1990 (**Figure 2C-11**, **Table 2C-11**). In 2013, the adolescent male suicide rate was 27.7 percent lower, and the adolescent female suicide rate was 36.6 percent lower, than in 2003, respectively. The male to female ratio in suicide mortality rates increased from 3.6:1 in 2003 to 4.1:1 in 2013. In other words, male adolescents were 4.1 times more likely to kill themselves in 2013 than female adolescents, compared to 3.6 times more likely in 2003.

Figure 2C-11
Suicide Rates[a] by Gender and Year among Adolescents 15-19 Years, Arizona, 2003-2013

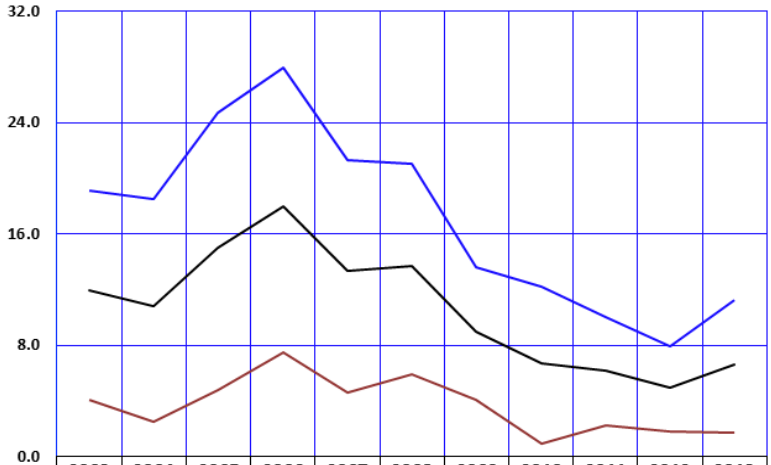


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	4.1	5.0	5.8	6.1	4.6	6.4	5.0	5.3	6.2	6.2	2.6
Male	14.8	18.0	22.0	19.5	12.2	18.0	16.1	11.4	15.1	14.2	10.7
Both	9.7	11.8	14.1	13.0	8.5	12.4	10.7	8.4	10.8	10.3	6.8

Notes: [a] Number of suicide deaths per 100,000 persons, 15 - 19 years old in specified group.

From 2004 to 2006, homicide rates increased for both adolescent males and females (**Figure 2C-12**, **Table 2C-11**). From 2008 to 2012, the homicide rate decreased by 62.4 percent for adolescent males, and by 69.5 percent for adolescent females. The adolescent homicide mortality rate increased 41.8 percent for males from 2012 to 2013. The male mortality risk due to homicide was 6.6 times greater than the female mortality risk in 2013.

Figure 2C-12
Homicide Rates[a] by Gender and Year among Adolescents 15-19 Years, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	4.1	2.5	4.8	7.5	4.6	5.9	4.1	0.9	2.2	1.8	1.7
Male	19.1	18.5	24.7	27.9	21.3	21.0	13.6	12.2	10.0	7.9	11.2
Both	11.9	10.8	15.0	18.0	13.3	13.7	9.0	6.7	6.2	4.9	6.6

Notes: [a] Number of homicide deaths per 100,000 persons, 15 - 19 years old in specified group.

TABLE 2C-11
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY GENDER, ARIZONA, 2003-2013

Gender/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
MALE												
Accidents (unintentional injuries)	49.3	51.3	49.4	57.7	48.3	33.0	34.4	27.0	29.3	28.8	28.1	-43.0
Motor vehicle accidents	35.9	36.1	33.2	41.7	35.3	21.9	15.3	15.2	18.8	18.3	15.3	-57.4
Other	13.4	15.3	16.2	16.0	13.0	11.1	19.1	11.8	0.8	10.4	12.8	-4.5
Assault (homicide)	19.1	18.5	24.7	27.9	21.3	21.0	13.6	12.2	10.0	7.9	11.2	-41.6
Intentional self-harm (suicide)	14.8	18.0	22.0	19.5	12.2	18.0	16.1	11.4	15.1	14.2	10.7	-27.4
Malignant neoplasms	2.4	6.5	4.0	3.1	3.5	5.1	3.4	2.5	2.1	2.9	2.5	3.2
Diseases of heart	1.9	1.8	1.8	1.8	2.2	0.4	1.3	2.1	1.3	0.0	0.4	-78.7
ALL CAUSES	106.7	109.5	118.5	129.1	102.7	89.1	81.1	69.5	67.4	62.5	66.5	-37.7
(Number of all deaths)	(223)	(237)	(264)	(291)	(236)	(208)	(191)	(165)	(161)	(150)	(161)	(-27.8)
FEMALE												
Accidents (unintentional injuries)	19.1	28.9	18.3	28.1	23.7	18.3	9.1	9.4	9.7	15.8	7.9	-58.8
Motor vehicle accidents	15.5	24.9	16.3	26.2	17.7	12.4	6.3	4.5	5.8	13.2	6.1	-60.5
Other	3.6	4.0	2.0	1.9	6.0	5.9	2.7	4.9	0.9	2.6	1.7	-51.4
Malignant neoplasms	2.6	2.5	1.4	3.7	4.2	4.1	3.2	2.7	4.4	1.8	3.5	34.6
Intentional self-harm (suicide)	4.1	5.0	5.8	6.1	4.6	6.4	5.0	5.3	6.2	6.2	2.6	-36.0
Assault (homicide)	4.1	2.5	4.8	7.5	4.6	5.9	4.1	0.9	2.2	1.8	1.7	-57.3
Diseases of heart	0.5	0.5	1.0	1.4	1.4	0.9	1.4	0.9	0.9	0.0	0.9	74.9
ALL CAUSES	41.7	49.8	39.4	56.6	49.3	40.7	29.0	24.5	31.0	30.3	23.2	-44.4
(Number of all deaths)	(81)	(100)	(82)	(121)	(106)	(89)	(64)	(55)	(70)	(69)	(53)	(-34.6)
TOTAL												
Accidents (unintentional injuries)	34.7	40.5	34.3	43.3	36.4	25.9	22.1	18.4	19.8	22.5	18.3	-47.4
Motor vehicle accidents	26.0	30.7	25.0	34.2	26.8	17.3	11.0	10.0	12.5	15.8	10.8	-58.3
Other	8.7	9.8	9.3	9.1	9.6	8.6	11.2	8.4	0.9	6.6	7.4	-14.5
Intentional self-harm (suicide)	9.7	11.8	14.1	13.0	8.5	12.4	10.7	8.4	10.8	10.3	6.8	-29.9
Assault (homicide)	11.9	10.8	15.0	18.0	13.3	13.7	9.0	6.7	6.2	4.9	6.6	-44.7
Malignant neoplasms	2.5	4.6	2.8	3.4	3.8	4.6	3.3	2.6	3.2	2.4	3.0	18.9
Diseases of heart	1.2	1.2	1.4	1.6	1.8	0.9	1.3	1.5	1.1	0.0	0.6	-46.9
ALL CAUSES	75.4	80.8	80.1	93.8	76.9	65.7	55.9	47.7	49.7	47.1	45.5	-39.7
(Number of all deaths)	(304)	(337)	(346)	(412)	(342)	(297)	(255)	(220)	(231)	(220)	(214)	(-29.6)

Notes: [a] Number of deaths per 100,000 adolescents 15-19 years old; [b] The five causes with the greatest number of deaths over the 2003-2013 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" – for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-12
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG ADOLESCENTS (15-19 YEARS) IN URBAN AND RURAL AREAS[c], ARIZONA, 2003-2013

Area/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Accidents (unintentional injuries)	29.9	37.3	28.9	40.3	30.9	23.7	18.7	17.0	18.4	17.0	15.8	-47.1
Motor vehicle accidents	22.0	27.1	20.5	32.2	21.9	14.8	9.6	9.3	10.8	11.9	9.3	-57.8
Other	7.9	10.2	8.4	8.1	9.0	8.9	9.1	7.7	1.0	5.1	6.5	-17.4
Assault (homicide)	13.6	9.9	16.8	20.0	14.8	15.3	9.6	6.7	6.4	4.8	6.8	-50.2
Intentional self-harm (suicide)	9.1	11.4	13.2	10.6	8.2	9.4	9.6	7.2	8.5	8.1	5.0	-44.8
Malignant neoplasms	2.4	4.1	2.8	2.8	3.8	4.6	3.2	2.3	2.8	2.8	3.5	46.4
Diseases of heart	1.2	1.5	1.4	1.4	1.6	1.1	1.3	1.5	1.3	0.0	0.5	-58.2
ALL CAUSES	69.8	75.8	75.8	88.9	72.5	61.4	51.5	43.6	45.3	38.8	42.4	-39.2
(Number of all deaths)	(231)	(260)	(270)	(320)	(265)	(230)	(194)	(169)	(177)	(153)	(169)	(-26.8)
RURAL												
Accidents (unintentional injuries)	57.0	54.1	59.4	56.8	61.9	36.0	36.9	25.5	26.9	52.1	31.8	-44.3
Motor vehicle accidents	44.5	46.0	46.2	42.9	49.2	28.6	17.2	13.4	21.5	37.0	19.3	-56.6
Other	12.5	8.1	13.2	13.9	12.7	7.4	19.7	12.1	0.0	15.1	12.4	-0.6
Intentional self-harm (suicide)	12.5	13.5	18.5	24.0	10.1	26.1	16.0	14.8	22.9	21.9	16.6	32.6
Assault (homicide)	4.2	14.9	6.6	8.8	6.3	7.5	6.1	6.7	5.4	5.5	5.5	31.5
Malignant neoplasms	2.8	6.8	2.6	6.3	3.8	6.2	3.7	4.0	5.4	0.0	0.0	-100.0
Diseases of heart	1.4	0.0	1.3	2.5	2.5	0.0	1.2	1.3	0.0	0.0	0.0	-100.0
ALL CAUSES	101.5	102.7	100.3	116.2	97.2	83.3	75.0	68.6	72.7	90.5	62.1	-38.8
(Number of all deaths)	(73)	(76)	(76)	(92)	(77)	(67)	(61)	(51)	(54)	(66)	(45)	(-38.4)
STATEWIDE												
Accidents (unintentional injuries)	34.7	40.5	34.3	43.3	36.4	25.9	22.1	18.4	19.8	22.5	18.3	-47.4
Motor vehicle accidents	26.0	30.7	25.0	34.2	26.8	17.3	11.0	10.0	12.5	15.8	10.8	-58.3
Other	8.7	9.8	9.3	9.1	9.6	8.6	11.2	8.4	0.9	6.6	7.4	-14.5
Intentional self-harm (suicide)	9.7	11.8	14.1	13.0	8.5	12.4	10.7	8.4	10.8	10.3	6.8	-29.9
Assault (homicide)	11.9	10.8	15.0	18.0	13.3	13.7	9.0	6.7	6.2	4.9	6.6	-44.7
Malignant neoplasms	2.5	4.6	2.8	3.4	3.8	4.6	3.3	2.6	3.2	2.4	3.0	18.9
Diseases of heart	1.2	1.2	1.4	1.6	1.8	0.9	1.3	1.5	1.1	0.0	0.6	-46.9
ALL CAUSES	75.4	80.8	80.1	93.8	76.9	65.7	55.9	47.7	49.7	47.1	45.5	-39.7
(Number of all deaths)	(304)	(337)	(346)	(412)	(342)	(297)	(255)	(220)	(231)	(220)	(214)	(-29.6)

Notes: [a] Number of deaths per 100,000 adolescents 15-19 years old; [b] The five causes with the greatest number of deaths over the 2003-2013 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10; measures of comparison between ICD-9 and ICD-10 - the "comparability ratios" - for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-13
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2003-2013

Area/Gender	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Male	98.4	105.1	112.7	121.7	97.9	84.3	73.8	62.8	62.2	50.8	62.0	-37.0
Female	38.9	44.2	36.1	54.2	45.3	36.8	27.6	23.4	27.4	26.1	21.7	-44.2
TOTAL	69.8	75.8	75.8	88.9	72.5	61.4	51.5	43.6	45.3	38.8	42.4	-39.2
RURAL												
Male	144.8	127.9	142.5	162.3	125.2	109.0	112.6	104.9	94.6	123.3	91.4	-36.9
Female	54.9	74.5	54.8	67.5	57.6	56.2	35.4	30.3	49.6	53.3	31.2	-43.1
TOTAL	101.5	102.7	100.3	116.2	97.2	83.3	75.0	68.6	72.7	90.5	62.1	-38.8
STATEWIDE												
Male	106.7	109.5	118.5	129.1	102.7	89.1	81.1	69.5	67.4	62.5	66.5	-37.7
Female	41.7	49.8	39.4	56.6	49.3	40.7	29.0	24.5	31.0	30.3	23.2	-44.4
TOTAL	75.4	80.8	80.1	93.8	76.9	65.7	55.9	47.7	49.7	47.1	45.5	-39.7

Notes: [a] Rates are presented per 100,000 children 15-19 years old; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

TABLE 2C-14
LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2013

Cause of death	Total	Gender		Area[a]		Race/ethnicity				
		Male	Female	Urban	Rural	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Accidents (unintentional injury)	90†	68	18	63	23	43	23	*	15	*
Motor vehicle accidents	50†	37	14	37	14	24	16	*	8	*
Accidental poisoning	30†	23	*	20	*	17	*	0	*	0
Accidental drowning and submersion	0†	*	*	*	0	0	*	0	0	*
Intentional self-harm (suicide)	30†	26	6	20	12	16	7	*	7	*
By other means	20†	15	*	8	11	9	*	0	7	0
By discharge of firearms	10†	11	*	12	*	7	*	*	0	*
Assault (homicide)	30†	27	*	27	*	7	16	*	*	0
By discharge of firearms	30†	25	*	25	*	7	14	*	*	0
By other means	0†	*	*	*	*	0	*	0	*	0
Malignant neoplasms	10†	6	8	14	0	7	*	*	0	*
Symptoms, signs, abnormal findings	10†	*	*	6	*	*	*	0	*	0
Diseases of the heart	0†	*	*	*	0	*	*	*	0	0
Total, all causes[b]	214	161	53	169	45	94	73	15	28	4

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; [b] May include other causes of death not shown above.

Figure 2C-13
Mortality Rates[a] by Gender and Year among Young Adults 20-44 Years, Arizona, 2003-2013



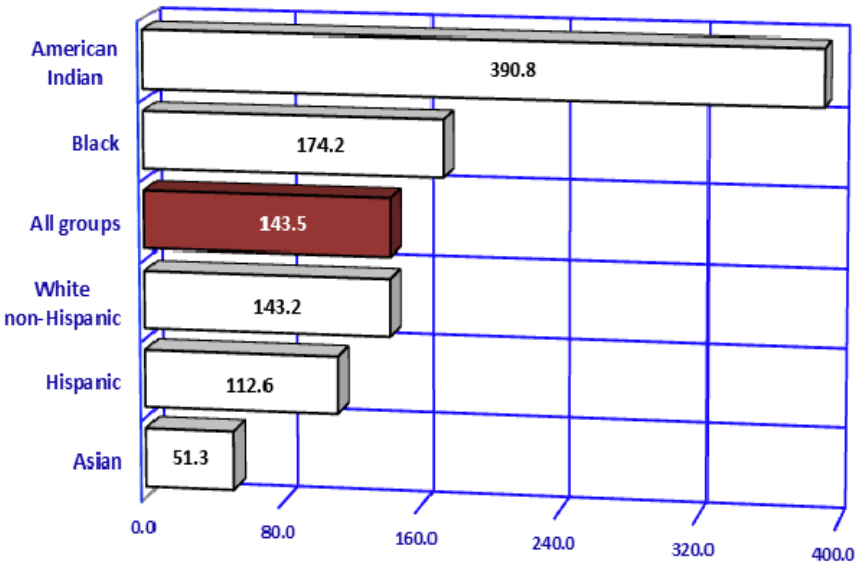
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	94.5	89.2	87.1	91.2	87.9	69.5	86.5	84.4	89.2	94.5	97.7
Male	204.3	189.4	191.8	199.6	184.7	167.9	161.3	177.2	176.1	173.6	187.2

Notes: [a] Number of deaths per 100,000 persons, 20-44 years old in specified group.

In 2013, 33.0 percent of Arizona residents were between 20 and 44 years of age. Among the six developmental periods examined in the life span, young adulthood, with an estimated 2.2 million individuals, easily represented the largest segment of the population. However, only one in sixteen deaths in Arizona (or 6.2 percent) occurred during young adulthood.

The number of deaths among young adults in 2003 and 2013 were nearly identical. Since 2008 (n = 2,829), deaths among young adults have increased 10.1 percent to 3,115 in 2013. Compared to 2012, the mortality rate for both male and female young adults increased, with mortality among young adult males increasing 7.8 percent between 2012 and 2013 (**Figure 2C-13**, **Table 2C-15**).

Figure 2C-14
Mortality Rates[a] by Race/Ethnicity among Young Adults 20-44 Years, Arizona, 2013

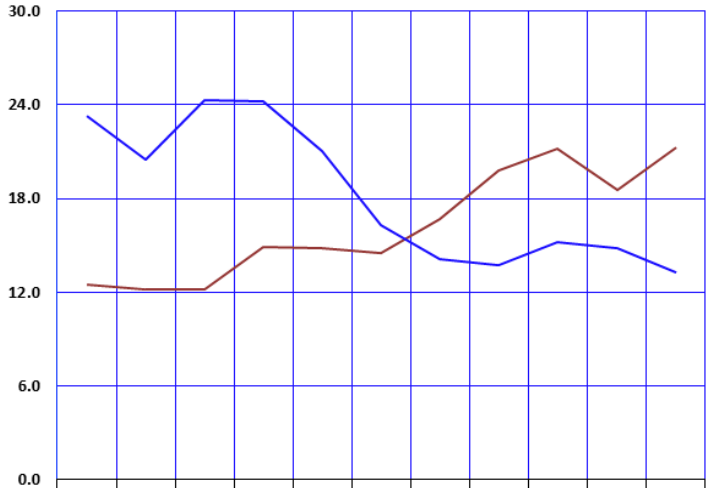


Notes: [a] Number of deaths per 100,000 persons, 20-44 years old in specified group.

The rank order of survival chances of young adults from best to worse by race/ethnicity in 2013 was Asian, Hispanic or Latino, White non-Hispanic, Black or African American, and American Indian. American Indian young adults had a mortality rate 2.2 times greater than Black young adults, the racial/ethnic group with the second highest young adult mortality rate. The American Indian young adult mortality rate was 2.7 times greater than the state average for young adults and 7.6 times greater than Asian young adults.

In 2013, 462 deaths of young adults were attributed to accidental poisoning (**Table 2C-18**), compared to 398 deaths in 2012. The mortality rate for accidental poisoning among young adults (21.3/100,000) for the fifth year exceeded the mortality rate for motor vehicle-related injuries (13.3/100,000; **Figure 2C-15**). In the 20-44 year age group, 407 of the 462 accidental poisoning were due to drug overdose (ICD10 X40-44) and 46 were due to alcohol poisoning (ICD10 X45).

Figure 2C-15
Mortality Rates[a] for Motor Vehicle-Related Injuries and Accidental Poisoning by Year among Young Adults 20-44 Years, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Accidental Poisoning	12.5	12.2	12.2	14.9	14.8	14.5	16.7	19.8	21.2	18.5	21.3
MV accident	23.3	20.5	24.3	24.2	21.0	16.3	14.1	13.7	15.2	14.9	13.3

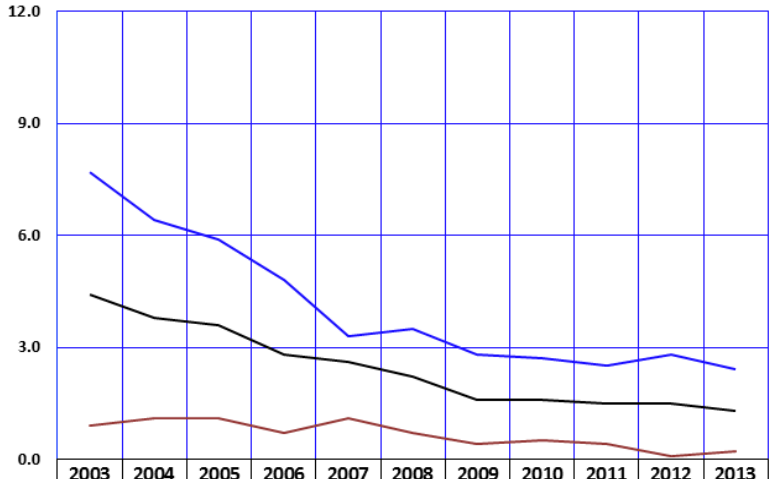
Notes: [a] Number of motor vehicle and accidental poisoning deaths per 100,000 persons, 20-44 years old in specified group.

In 2013, fewer Arizonans 20-44 years old died from the *human immunodeficiency virus (HIV) disease* (29) than from *morbid obesity* (36 deaths; **Table 2C-18**).

Of the 90 deaths from *HIV disease* in 2013, 32.2 percent occurred among Arizonans 20-44 years old (**Table 2C-27**). Males accounted for 93.1 percent of young adult deaths from *HIV disease* in 2013 (**Table 2C-18**).

The mortality rate for HIV disease among young male adults slightly decreased from 2.8/100,000 in 2012 to 2.4/100,000 in 2013.

Figure 2C-16
Mortality Rates[a] for HIV Disease by Gender and Year among Young Adults 20-44 Years, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	0.9	1.1	1.1	0.7	1.1	0.7	0.4	0.5	0.4	0.1	0.2
Male	7.7	6.4	5.9	4.8	3.3	3.5	2.8	2.7	2.5	2.8	2.4
Both	4.4	3.8	3.6	2.8	2.6	2.2	1.6	1.6	1.5	1.5	1.3

Notes: [a] Number of HIV deaths per 100,000 persons, 20-44 years old in specified group.

TABLE 2C-15
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY GENDER, ARIZONA, 2003-2013

Gender/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
MALE												
Accidents (unintentional injuries)	63.3	54.8	63.2	69.2	60.6	54.4	53.7	52.6	57.9	52.8	56.7	-10.4
Other	29.7	27.0	29.0	34.7	31.4	30.6	33.4	27.5	8.7	31.2	38.0	28.1
Motor vehicle accidents	33.6	27.8	34.2	34.5	29.2	23.8	20.2	19.8	20.6	21.6	18.7	-44.3
Intentional self-harm (suicide)	30.2	28.3	28.3	27.4	30.3	23.5	25.1	31.5	32.4	29.0	30.8	2.1
Assault (homicide)	22.9	23.7	24.7	24.2	22.8	19.2	13.4	20.1	18.2	16.1	16.1	-29.7
Diseases of heart	16.3	15.4	15.3	15.9	14.3	13.3	14.0	11.7	14.7	13.5	14.2	-12.8
Malignant neoplasms	14.2	14.0	11.9	11.0	11.3	12.6	12.0	12.8	11.0	12.3	13.4	-5.7
ALL CAUSES	204.3	189.4	191.8	199.6	184.7	167.9	161.3	177.2	176.1	173.6	187.2	-8.4
(Number of all deaths)	(2169)	(2091)	(2185)	(2290)	(2166)	(2001)	(1944)	(1920)	(1923)	(1910)	(2082)	(-4.0)
FEMALE												
Accidents (unintentional injuries)	22.5	21.8	24.9	25.0	25.2	20.4	20.8	22.4	25.2	22.8	24.5	8.8
Other	10.3	9.1	11.1	11.9	13.0	12.1	13.3	15.0	2.1	15.1	16.9	64.3
Motor vehicle accidents	12.2	12.7	13.8	13.1	12.2	8.3	7.5	7.4	9.7	7.7	7.6	-38.0
Malignant neoplasms	15.9	18.2	13.4	16.4	15.5	13.7	15.9	14.0	15.7	17.6	17.4	9.4
Intentional self-harm (suicide)	7.4	7.2	7.5	7.0	7.1	6.0	9.4	6.8	8.9	8.7	9.6	30.3
Diseases of heart	7.0	6.6	7.8	5.0	6.7	5.8	6.7	4.6	6.4	7.0	5.6	-20.3
Assault (homicide)	5.1	4.5	3.7	4.0	4.7	3.2	4.0	3.5	2.4	4.3	3.4	-33.3
ALL CAUSES	94.5	89.2	87.1	91.2	87.9	69.5	86.5	84.4	89.2	94.5	97.7	3.3
(Number of all deaths)	(941)	(922)	(936)	(968)	(954)	(828)	(973)	(876)	(933)	(990)	(1033)	9.8
TOTAL												
Accidents (unintentional injuries)	43.5	38.8	44.6	47.9	43.6	38.0	37.8	37.8	41.9	38.2	41.0	-5.7
Other	20.2	18.3	20.3	23.7	22.6	21.7	23.7	24.1	5.5	23.3	27.7	37.3
Motor vehicle accidents	23.3	20.5	24.3	24.2	21.0	16.3	14.1	13.7	15.2	14.9	13.3	-43.0
Intentional self-harm (suicide)	19.2	18.1	18.2	17.6	19.1	15.0	17.5	19.4	20.9	19.1	20.5	6.8
Malignant neoplasms	15.0	16.0	12.6	13.6	13.3	9.7	13.9	13.4	13.3	14.9	15.3	2.3
Diseases of heart	11.8	11.1	11.7	10.7	10.7	11.5	10.5	8.2	10.6	10.3	10.0	-15.3
Assault (homicide)	14.3	14.5	14.5	14.5	14.1	13.1	8.8	12.0	10.5	10.3	9.9	-30.7
ALL CAUSES	151.1	141.0	140.9	147.5	138.2	123.0	125.2	131.8	133.6	135.0	143.5	-5.0
(Number of all deaths)	(3110)	(3013)	(3121)	(3258)	(3120)	(2829)	(2917)	(2796)	(2856)	(2900)	(3115)	0.2

Notes: [a] Rates are presented per 100,000 persons 20-44 years old; [b] The five causes with the greatest number of deaths over the 2003-2013 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" – for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-16
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) IN URBAN AND RURAL AREAS[c], ARIZONA, 2003-2013

Area/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Accidents (unintentional injuries)	38.3	35.5	40.2	44.8	38.7	34.4	32.7	33.5	36.6	32.3	35.4	-7.4
Other	19.1	18.0	19.1	23.6	21.0	20.2	21.5	22.0	4.3	20.2	23.9	25.3
Motor vehicle accidents	19.2	17.5	21.1	21.2	17.7	14.2	11.2	11.5	12.4	12.1	11.5	-40.0
Intentional self-harm (suicide)	17.9	16.2	16.8	16.2	18.0	16.4	13.6	17.7	18.1	17.0	18.3	2.3
Malignant neoplasms	14.7	16.0	11.8	13.5	12.9	14.2	15.6	13.3	13.5	14.1	15.3	4.0
Assault (homicide)	14.8	15.2	14.9	15.1	14.3	13.2	9.7	11.0	10.0	9.5	9.4	-36.2
Diseases of heart	11.0	10.6	11.9	10.0	9.9	8.9	8.7	8.0	9.6	9.5	9.3	-15.1
ALL CAUSES	140.2	132.2	133.0	139.3	129.8	113.6	113.0	119.7	120.3	118.8	130.1	-7.2
(Number of all deaths)	(2477)	(2426)	(2532)	(2640)	(2511)	(2239)	(2203)	(2203)	(2232)	(2215)	(2451)	(-1.0)
RURAL												
Accidents (unintentional injuries)	75.5	58.9	72.0	66.9	73.2	57.1	64.7	63.9	71.9	74.4	74.9	-0.8
Other	27.4	20.5	27.8	24.5	32.7	29.2	35.4	36.9	10.3	42.7	50.8	85.3
Motor vehicle accidents	48.1	38.4	44.2	42.4	40.5	28.0	29.4	27.0	33.0	31.7	24.2	-49.8
Intentional self-harm (suicide)	26.8	29.5	26.8	25.5	25.6	20.4	29.1	30.2	37.6	32.4	33.6	25.4
Malignant neoplasms	17.2	15.9	17.8	14.0	16.1	12.5	15.9	13.8	12.0	19.0	15.4	-10.4
Diseases of heart	16.8	14.2	10.0	15.0	15.1	9.4	15.0	9.6	16.7	14.5	14.0	-16.6
Assault (homicide)	11.3	9.9	12.6	11.2	12.7	14.6	7.8	16.0	12.8	14.8	13.0	14.6
ALL CAUSES	217.3	194.3	189.9	196.9	188.1	174.2	191.6	203.7	210.2	233.4	226.5	4.2
(Number of all deaths)	(633)	(587)	(588)	(618)	(609)	(590)	(662)	(574)	(593)	(662)	(647)	2.2
STATEWIDE												
Accidents (unintentional injuries)	43.5	38.8	44.6	47.9	43.6	38.0	37.8	37.8	41.9	38.2	41.0	-5.7
Other	20.2	18.3	20.3	23.7	22.6	21.7	23.7	24.1	5.5	23.3	27.7	37.3
Motor vehicle accidents	23.3	20.5	24.3	24.2	21.0	16.3	14.1	13.7	15.2	14.9	13.3	-43.0
Intentional self-harm (suicide)	19.2	18.1	18.2	17.6	19.1	15.0	17.5	19.4	20.9	19.1	20.5	6.8
Malignant neoplasms	15.0	16.0	12.6	13.6	13.3	9.7	13.9	13.4	13.3	14.9	15.3	2.3
Diseases of heart	11.8	11.1	11.7	10.7	10.7	11.5	8.8	8.2	10.6	10.3	10.0	-15.3
Assault (homicide)	14.3	14.5	14.5	14.5	14.1	13.1	10.5	12.0	10.5	10.3	9.9	-30.7
ALL CAUSES	151.1	141.0	140.9	147.5	138.2	123.0	125.2	131.8	133.6	135.0	143.5	-5.0
(Number of all deaths)	(3110)	(3013)	(3121)	(3258)	(3120)	(2829)	(2917)	(2796)	(2856)	(2900)	(3115)	0.2

Notes: [a] Rates are presented per 100,000 young adults 20-44 years old; [b] The five causes with the greatest number of deaths statewide over the 2003-2013 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" - for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-17
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS)
BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2003-2013

Area/Gender	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Male	190.5	176.7	181.5	188.7	172.2	154.2	143.9	159.4	158.7	154.0	169.0	-11.3
Female	86.1	84.4	81.0	85.3	83.6	69.4	79.5	78.4	80.3	81.9	89.2	3.7
TOTAL	140.2	132.2	133.0	139.3	129.8	113.6	113.0	119.7	120.3	118.8	130.1	-7.2
RURAL												
Male	288.9	266.5	256.4	266.4	261.2	244.4	258.9	281.0	271.6	288.4	296.4	2.6
Female	142.8	118.0	123.0	125.1	112.7	102.9	123.5	121.6	144.8	174.6	151.6	6.2
TOTAL	217.3	194.3	189.9	196.9	188.1	174.2	191.6	203.7	210.2	233.4	226.5	4.2
STATEWIDE												
Male	204.3	189.4	191.8	199.6	184.7	167.9	161.3	177.2	176.1	173.6	187.2	-8.4
Female	94.5	89.2	87.1	91.2	87.9	69.5	86.5	84.4	89.2	94.5	97.7	3.3
TOTAL	151.1	141.0	140.9	147.5	138.2	123.0	125.2	131.8	133.6	135.0	143.5	-5.0

Notes: [a] Rates are presented per 100,000 persons 20-44 years old; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area.

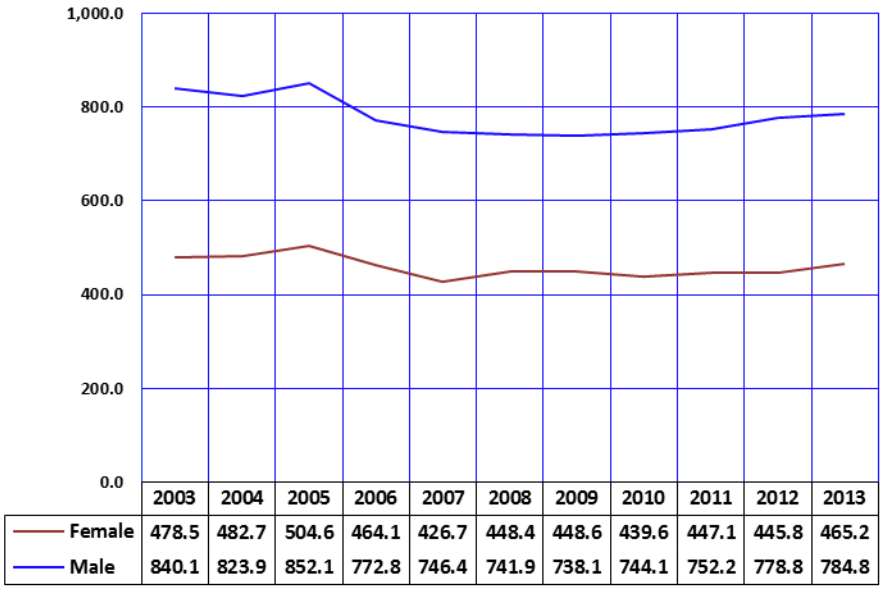
TABLE 2C-18
LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2013

Cause of death	Total[b]	Gender		Area[a]			Race/ethnicity				
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Accidents (unintentional injury)	890†	631	259	668	214	8	502	220	33	130	*
Accidental poisoning	460†	311	151	359	99	*	299	91	12	59	*
Motor vehicle accidents	290†	208	80	217	69	*	120	99	16	50	*
Intentional self-harm (suicide)	445	343	102	345	96	*	283	95	13	48	6
By discharge of firearms	230†	198	35	187	44	*	165	43	8	12	*
By other means	210†	145	67	158	52	*	118	52	*	36	*
Malignant neoplasms	333	149	184	288	44	*	162	117	17	23	14
Malignant neoplasm of lymphoid, hematopoietic and related tissue	50†	33	18	47	*	0	21	23	*	*	*
Malignant neoplasm of breast	50†	0	45	39	6	0	25	14	*	*	*
Malignant neoplasm of meninges, brain and other parts of central nervous system	30†	18	12	26	*	0	18	12	0	0	0
Diseases of heart	220†	158	59	176	40	*	117	62	19	15	*
Assault (homicide)	220†	179	36	178	37	0	62	84	31	35	*
By discharge of firearms	150†	125	25	140	10	0	46	66	26	10	*
By other means	70†	54	11	38	27	0	16	18	*	25	*
Chronic liver disease and cirrhosis	150†	82	63	101	44	0	64	25	*	55	0
Diabetes	84	47	37	65	19	0	39	15	8	22	0
Cerebrovascular diseases	40†	22	15	32	*	0	13	17	*	*	*
Obesity	40†	25	11	31	*	0	19	7	*	9	0
Human immunodeficiency virus (HIV) disease	30†	27	*	25	*	0	12	9	7	*	0
Total, all causes	3,115	2,082	1,033	2,451	647	17	1,618	834	181	439	43

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; [b] Records with unknown urban or rural residence of the decedent are not shown separately but are included in the total.

Middle-aged adult mortality (ages 45-64 years)

Figure 2C-17
Mortality Rates[a] by Gender and Year among Middle-Aged Adults 45-64 Years, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	478.5	482.7	504.6	464.1	426.7	448.4	448.6	439.6	447.1	445.8	465.2
Male	840.1	823.9	852.1	772.8	746.4	741.9	738.1	744.1	752.2	778.8	784.8

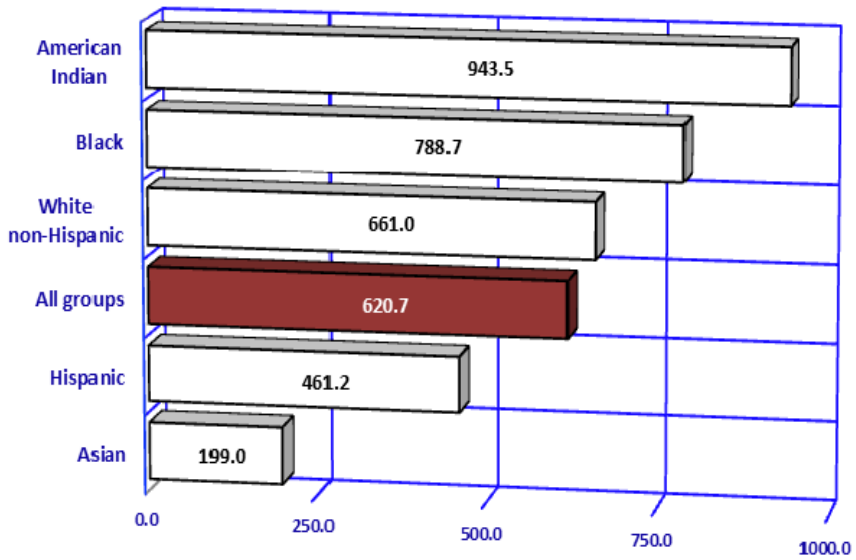
Notes: [a] Number of deaths per 100,000 persons, 45-64 years old in specified group.

In 2012, the 1,594,698 middle-aged adult residents aged 45 to 64 experienced 9,898 deaths, or an average of 27 deaths, per day. The total number of deaths among 45 – 64 year old Arizona residents was higher in 2013 (n = 9,898) than any year since 1980, and is likely the greatest number of deaths among this age group in Arizona's history (**Table 2C-19**).

The 2013 total mortality rate among middle-age females was 2.8 percent lower, and among middle-aged males 6.6 percent lower than their respective rates in 2003 (**Figure 2C-17**, **Table 2C-19**). In 2013, the mortality rate for males age 45 - 64 was 68.7 percent greater than for females of the same age group.

The five causes with the greatest number of deaths in 2003-2013 were *malignant neoplasms*, *diseases of heart*, *accidents*, *chronic liver disease and cirrhosis*, and *chronic lower respiratory diseases* (**Table 2C-19**).

Figure 2C-18
Mortality Rates[a] by Race/Ethnicity among Middle-Aged Adults 45-64 Years, Arizona, 2013



Notes: [a] Number of deaths per 100,000 persons, 45-64 years old in specified group.

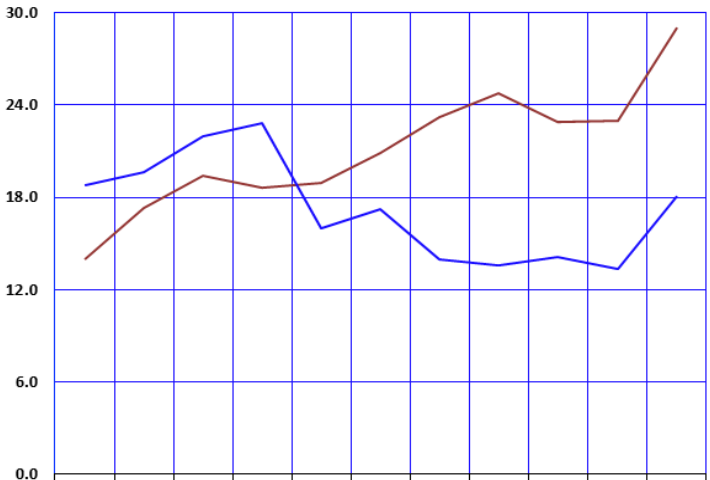
American Indian, Black or African American, and White non-Hispanic middle-aged adults had the three highest mortality rates (943.5/100,000, 788.7/100,000, and 661.0/100,000, respectively) among the racial/ethnic groups.

If the 2013 total mortality rate for Asian middle-aged adults applied to all Arizona residents 45-64 years old, 3,173 middle-aged adults would have died rather than the 9,898 who actually did.

In recent years, middle-aged adults experienced an unprecedented increase in mortality from accidental poisoning, increasing 26.1 percent from 2012 to 2013. In 2013, 426 deaths were attributed to accidental poisoning (**Table 2C-22**), compared to 168 deaths in 2003. Of the 426 accidental poisoning deaths in this age group, 386 were drug overdoses (ICD10 X40-X44) and 35 were alcohol poisoning (ICD10 X45).

Beginning in 2007, the mortality rate for accidental poisoning exceeded the mortality rate for motor vehicle-related injuries among the middle-aged (**Figure 2C-19**). In 2013, the rate of 29.0 per 100,000 middle-aged adults was 60.2 percent greater than the mortality rate of 18.1/100,000 for motor vehicle accidents. White non-Hispanics accounted for 316 or 74.2 percent of all accidental poisoning deaths (**Table 2C-22**).

Figure 2C-19
Mortality Rates[a] for Accidental Poisoning and Motor Vehicle-related Injuries by Year among Middle-Aged Adults 45-64 Years, Arizona, 2003-2013

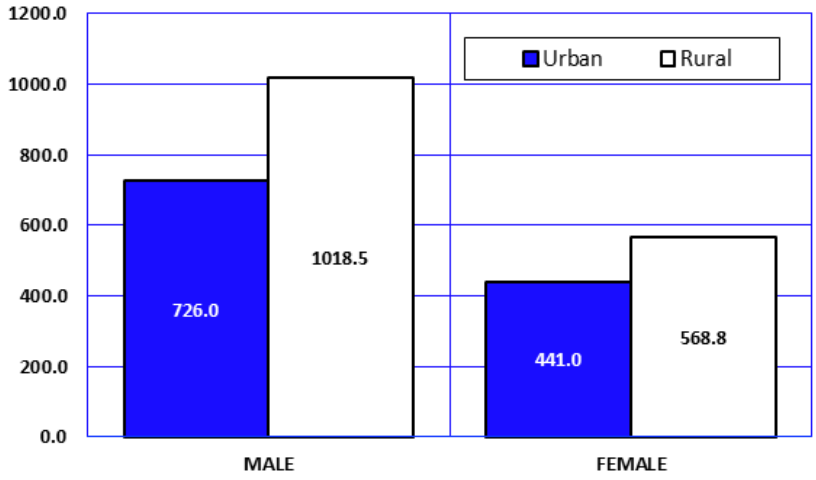


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Accidental Poisoning	14.0	17.3	19.4	18.6	18.9	20.9	23.2	24.8	22.9	23.0	29.0
MV accident	18.8	19.6	22.0	22.8	16.0	17.2	14.0	13.6	14.1	13.3	18.1

Notes: [a] Number of deaths per 100,000 persons, 45-64 years old in specified group

In 2013, as in the past, rural middle-aged males had the poorest survival chances (**Figure 2C-20, Table 2C-21**). The mortality rate for rural middle-aged males in 2013 was 40.3 percent greater than for urban males, 79.1 percent greater than rural females, and 131.0 percent (2.3 times) greater than urban females.

Figure 2C-20
Mortality Rates by Gender in Urban[a] and Rural Areas among Middle-Aged Adults 45-64 Years, Arizona, 2013



Notes: [a] Urban counties include Maricopa, Pima, Pinal and Yuma Counties.

TABLE 2C-19
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY GENDER, ARIZONA, 2003-2013

Gender/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
MALE												
Malignant neoplasms	220.6	213.1	210.6	192.1	192.1	184.5	182.2	188.3	186.3	196.6	191.4	-13.2
Diseases of heart	196.7	196.7	207.5	186.7	170.8	175.5	169.0	160.7	165.3	155.1	159.3	-19.0
Accidents (unintentional injuries)	68.8	75.7	86.2	81.2	73.2	76.5	71.9	69.2	68.9	68.0	77.9	13.2
Other	42.6	48.0	52.5	49.3	50.1	51.9	51.1	54.6	19.8	47.9	54.5	28.0
Motor vehicle accidents	26.2	27.7	33.7	31.9	23.1	24.6	20.8	19.9	21.4	20.1	23.3	-10.9
Chronic liver disease and cirrhosis	42.7	42.3	45.1	34.4	35.5	39.2	38.0	42.1	49.6	50.2	46.7	9.3
Suicide	29.4	31.6	32.7	31.9	35.0	35.1	37.0	40.9	41.3	41.8	38.3	30.2
ALL CAUSES	840.1	823.9	852.1	772.8	746.4	741.9	738.1	744.1	752.2	778.8	784.8	-6.6
(Number of all deaths)	(4776)	(4906)	(5232)	(5282)	(5397)	(5450)	(5472)	(5659)	(5760)	(5999)	(6088)	27.5
FEMALE												
Malignant neoplasms	181.3	179.4	182.3	166.2	154.7	151.4	154.2	153.9	156.9	155.1	160.7	-11.4
Diseases of heart	72.8	74.8	74.2	66.4	65.0	63.4	59.4	55.9	61.8	60.5	54.6	-25.0
Accidents (unintentional injuries)	24.6	29.6	33.1	35.8	30.2	34.2	36.1	36.6	32.8	33.0	38.0	54.4
Other	12.7	17.8	22.2	21.6	21.0	24.2	28.5	29.0	7.4	26.1	29.8	134.6
Motor vehicle accidents	11.9	11.8	10.9	14.2	9.2	10.0	7.6	7.7	7.1	6.9	8.2	-31.2
Chronic lower respiratory diseases	22.5	18.5	25.4	21.6	23.6	24.3	19.2	19.3	21.6	24.2	24.8	10.2
Diabetes	17.2	19.0	20.1	19.1	14.0	16.0	14.2	17.0	21.3	22.3	23.6	37.0
ALL CAUSES	478.5	482.7	504.6	464.1	426.7	448.4	448.6	439.6	447.1	445.8	465.2	-2.8
(Number of all deaths)	(2898)	(3022)	(3292)	(3336)	(3232)	(3449)	(3483)	(3553)	(3638)	(3631)	(3810)	31.5
TOTAL												
Malignant neoplasms	200.3	195.8	196.0	178.8	173.0	167.6	167.9	170.6	171.2	175.2	175.6	-12.3
Diseases of heart	132.9	134.2	138.8	125.0	116.6	118.2	112.9	106.7	112.0	106.5	105.5	-20.6
Accidents (unintentional injuries)	46.0	52.1	58.8	57.9	51.2	54.9	53.6	52.4	50.3	50.0	57.4	24.7
Other	27.2	32.5	36.8	35.1	35.2	37.7	39.5	38.8	13.4	36.7	41.8	53.8
Motor vehicle accidents	18.8	19.6	22.0	22.8	16.0	17.2	14.0	13.6	14.1	13.3	15.6	-17.3
Chronic liver disease and cirrhosis	29.0	28.9	31.8	25.0	25.3	29.7	29.1	30.2	34.3	35.0	34.7	19.6
Chronic lower respiratory diseases	21.9	21.4	26.8	22.7	21.8	24.7	21.5	20.0	23.6	25.1	24.7	12.8
ALL CAUSES	653.7	649.1	673.1	614.6	582.8	591.8	590.0	587.2	595.0	607.6	620.7	-5.1
(Number of all deaths)	(7675)	(7928)	(8524)	(8618)	(8629)	(8899)	(8855)	(9212)	(9398)	(9630)	(9898)	29.0

Notes: [a] Rates are presented per 100,000 middle-aged adults 45-64 years old; [b] The five causes with the greatest number of deaths over the 2003-2013 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10; measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" - for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-20
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) IN URBAN AND RURAL AREAS[c], ARIZONA, 2003-2013

Area/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Malignant neoplasms	198.0	188.9	190.5	174.8	169.6	162.8	165.4	164.6	166.5	171.8	169.1	-14.6
Diseases of heart	125.9	127.0	132.5	119.9	109.4	109.8	101.3	98.6	103.9	95.9	96.5	-23.4
Accidents (unintentional injuries)	40.6	47.6	55.7	54.2	47.8	51.6	48.8	47.5	45.4	47.6	51.5	26.9
Other	25.9	30.6	37.0	34.5	34.1	36.8	37.3	36.5	12.4	35.7	38.5	48.7
Motor vehicle accidents	14.7	17.0	18.7	19.7	13.7	14.8	11.5	11.1	11.9	11.9	13.0	-11.6
Chronic liver disease and cirrhosis	26.8	25.2	30.0	23.3	23.0	27.4	25.7	27.2	30.8	31.5	29.9	11.4
Chronic lower respiratory diseases	21.2	21.9	25.8	22.3	20.5	23.6	20.2	19.2	20.6	22.9	22.6	6.8
ALL CAUSES	630.2	620.7	647.8	595.0	559.7	559.5	559.4	552.4	561.5	575.8	579.8	-8.0
(Number of all deaths)	(5987)	(6140)	(6658)	(6834)	(6812)	(6918)	(6979)	(7098)	(7274)	(7513)	(7631)	27.5
RURAL												
Malignant neoplasms	210.1	225.2	219.6	197.0	188.3	188.1	176.9	193.1	186.3	187.8	204.7	-2.6
Diseases of heart	162.4	164.5	165.9	148.1	149.6	156.0	164.3	137.4	143.7	152.5	142.2	-12.4
Accidents (unintentional injuries)	68.2	71.0	72.5	74.9	65.3	68.1	71.4	66.2	67.6	55.3	75.8	11.1
Other	32.5	40.4	36.5	37.9	38.7	40.8	46.6	42.6	16.5	36.4	51.7	59.1
Motor vehicle accidents	35.7	30.6	36.0	37.0	26.6	27.3	24.8	23.6	22.5	18.9	24.1	-32.6
Chronic liver disease and cirrhosis	37.9	44.8	39.8	32.3	36.1	39.6	43.3	41.9	49.3	47.5	57.1	50.7
Chronic lower respiratory diseases	25.0	18.9	31.4	24.8	28.1	29.5	27.4	22.2	36.3	33.2	32.3	29.3
ALL CAUSES	750.7	768.9	781.4	702.9	687.3	727.8	713.2	708.3	716.6	720.2	786.8	4.8
(Number of all deaths)	(1683)	(1786)	(1865)	(1784)	(1810)	(1946)	(1927)	(2010)	(2035)	(2017)	(2191)	30.2
STATEWIDE												
Malignant neoplasms	200.3	195.8	196.0	178.8	173.0	167.6	167.9	170.6	171.2	175.2	175.6	-12.3
Diseases of heart	132.9	134.2	138.8	125.0	116.6	118.2	112.9	106.7	112.0	106.5	105.5	-20.6
Accidents (unintentional injuries)	46.0	52.1	58.8	57.9	51.2	54.9	53.6	52.4	50.3	50.0	57.4	24.7
Other	27.2	32.5	36.8	35.1	35.2	37.7	39.5	38.8	13.4	36.7	41.8	53.8
Motor vehicle accidents	18.8	19.6	22.0	22.8	16.0	17.2	14.0	13.6	14.1	13.3	15.6	-17.3
Chronic liver disease and cirrhosis	29.0	28.9	31.8	25.0	25.3	29.7	29.1	30.2	34.3	35.0	34.7	19.6
Chronic lower respiratory diseases	21.9	21.4	26.8	22.7	21.8	24.7	21.5	20.0	23.6	25.1	24.7	12.8
ALL CAUSES	653.7	649.1	673.1	614.6	582.8	591.8	590.0	587.2	595.0	607.6	620.7	-5.1
(Number of all deaths)	(7675)	(7928)	(8524)	(8618)	(8629)	(8899)	(8855)	(9212)	(9398)	(9630)	(9898)	29.0

Notes: [a] Rates are presented per 100,000 middle-aged adults 45-64 years old; [b] The five causes with the greatest number of deaths over the 2003-2013 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10; measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" - for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-21
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS)
BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2003-2013

Area/Gender	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Male	809.3	788.6	815.2	749.3	714.7	693.2	697.6	690.0	703.5	724.9	726.0	-10.3
Female	462.2	461.1	490.0	447.6	410.8	431.1	426.5	423.0	427.8	434.7	441.0	-4.6
TOTAL	630.1	620.7	647.8	595.0	559.7	559.5	559.4	552.4	561.5	575.8	579.8	-8.0
RURAL												
Male	966.6	972.3	1010.8	879.7	891.7	953.6	896.8	924.9	918.6	968.7	1018.5	5.4
Female	546.9	575.1	567.2	536.9	497.7	518.4	543.0	504.0	526.1	486.1	568.8	4.0
TOTAL	750.7	768.9	781.4	702.9	687.3	727.8	713.2	708.3	716.6	720.2	786.8	4.8
STATEWIDE												
Male	840.1	823.9	852.1	772.8	746.4	741.9	738.1	744.1	752.2	778.8	784.8	-6.6
Female	478.5	482.7	504.6	464.1	426.7	448.4	448.6	439.6	447.1	445.8	465.2	-2.8
TOTAL	653.7	649.1	673.1	614.6	582.8	591.8	590.0	587.2	595.0	607.6	620.7	-5.1

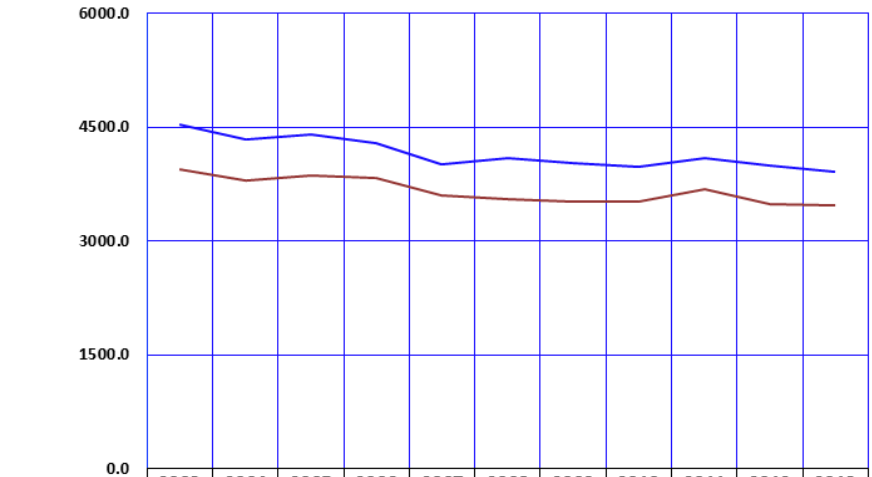
Notes: [a] Rates are presented per 100,000 persons 45-64 years old; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information.

TABLE 2C-22
LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2013

Cause of death	Total	Gender		Area[a]			Race/ethnicity				
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Malignant neoplasms	2,801	1,485	1,316	2,226	570	*	2,125	445	120	82	29
Malignant neoplasm of trachea, bronchus and lung	600†	332	268	474	126	0	525	43	23	*	*
Malignant neoplasm of colon, rectum, and anus	290†	168	121	231	57	*	215	51	16	*	*
Malignant neoplasm of breast	270†	*	271	232	40	0	190	57	11	7	7
Malignant neoplasm of pancreas	210†	123	85	164	44	0	148	38	15	*	*
Diseases of heart	1,683	1,236	447	1,270	396	17	1,283	223	103	59	15
Accidents (unintentional injury)	920†	604	311	678	211	26	650	147	29	87	*
Accidental poisoning	426	254	172	334	83	9	316	53	16	41	0
Motor vehicle accidents	250†	181	67	171	67	10	163	60	6	18	*
Falls	70†	47	26	64	9	0	57	9	*	*	*
Chronic liver disease and cirrhosis	550†	362	191	393	159	*	334	110	9	96	*
Diabetes	497	304	193	408	89	0	266	129	41	54	7
Intentional self-harm (suicide)	410†	297	109	299	105	*	348	38	*	10	*
By discharge of firearms	220†	183	41	160	64	0	194	22	*	*	*
By other means	180†	114	68	139	41	*	154	16	*	*	*
Chronic lower respiratory diseases	390†	191	203	298	90	6	346	26	17	*	*
Cerebrovascular diseases	272	160	112	222	48	*	179	49	27	9	8
Viral hepatitis	200	145	55	160	39	*	119	58	9	14	0
Essential (primary) hypertension and hypertensive renal disease	100†	67	30	79	18	0	56	21	9	8	*
Assault (homicide)	90†	68	19	68	18	*	52	14	8	12	*
By discharge of firearms	50†	41	11	42	10	0	32	8	*	7	0
By other means	40†	27	8	26	8	*	20	6	*	*	*
Influenza and pneumonia	80†	46	35	58	22	*	57	13	*	10	0
Septicemia	70†	40	33	49	23	*	52	12	*	6	*
Human immunodeficiency virus (HIV) disease	50†	46	8	42	10	*	32	10	9	*	0
Nephritis, nephrotic syndrome and nephrosis	50†	31	21	35	17	0	31	10	*	8	0
Total, all causes	9,898	6,088	3,810	7,631	2,191	76	7,161	1,571	475	597	94

Note: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas.

Figure 2C-21
Mortality Rates[a] by Gender and Year among Elderly 65 Years and Older, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Female	3941.6	3796.9	3856.6	3828.7	3597.1	3544.8	3515.6	3521.7	3681.4	3489.9	3468.6
Male	4536.2	4338.0	4401.4	4282.4	4002.8	4095.0	4025.9	3974.9	4083.3	3987.4	3904.2

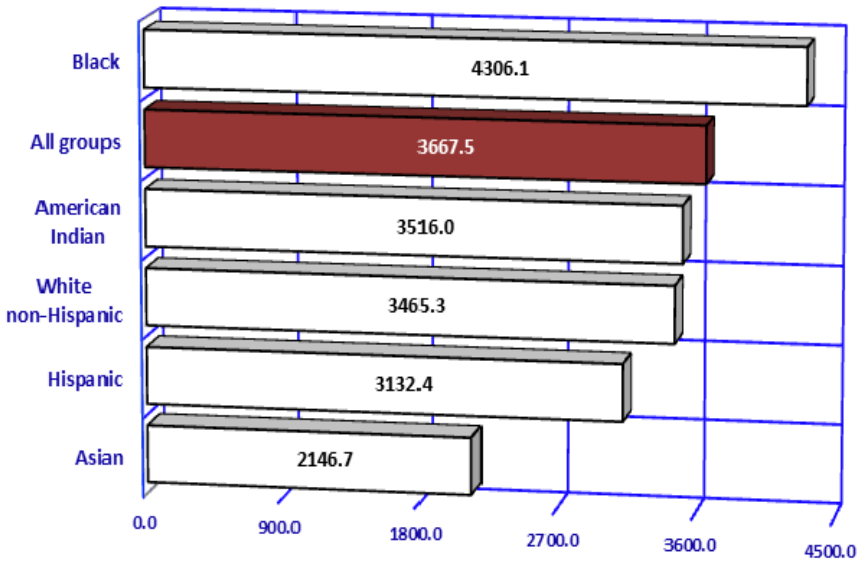
Notes: [a] Number of deaths per 100,000 persons, 65+ years old in specified group.

In 2013, an estimated 981,128 residents age 65 years and older resided in the State (**Table 10A-1**). No other age group has as great a disproportionate gender distribution as the elderly. As a result of the higher total mortality rates for males at earlier ages, 19.0 percent more elderly women than men were alive in 2013.

The 2013 elderly mortality rate of 3,667.5 per 100,000 was 12.8 percent lower than the 2003 rate of 4,205.5 and was the lowest mortality rate among the elderly since 1980, and likely the lowest mortality rate amongst this age group in Arizona's history (**Table 2C-23**).

The 2013 total mortality rate among elderly females was 12.0 percent lower than their rate in 2003. The mortality rate among elderly males decreased 13.9 percent during the same period (**Figure 2C-21, Table 2C-23**).

Figure 2C-22
Mortality Rates[a] by Race/Ethnicity among Elderly 65 Years and Older, Arizona, 2013



Notes: [a] Number of deaths per 100,000 persons, 65+ years old in specified group.

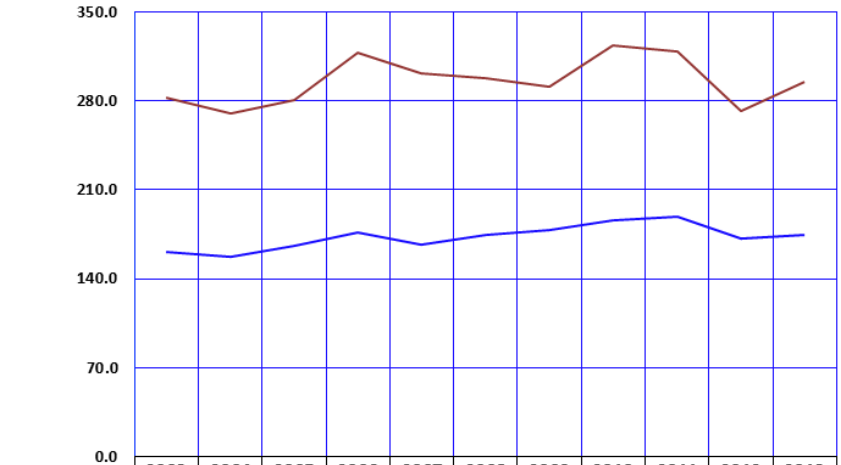
In 2013 the mortality rate for Arizona's Black or African American elderly residents was 2 times that of the Asian elderly population. The mortality rate of 2,146.7 /100,000 among elderly Asians was the lowest rate among the racial/ethnic groups (**Figure 2C-22**). Hispanic or Latino elderly had the second lowest mortality rate in 2013 at 3,132.4/100,000.

Tables 2C-23 and 2C-24 provide mortality rates for the five causes with the greatest number of deaths over the 2003 – 2013 period.

In 2013, Alzheimer's disease (2,353 deaths; **Table 2C-26**) accounted for 6.5 percent of elderly mortality. From 2012 to 2013, gender-specific death rates for Alzheimer's disease increased for both elderly males and elderly females (**Figure 2C-23**).

There were 1,572 deaths from Alzheimer's disease among elderly females in 2013, twice the number of deaths from this cause among males (781; **Table 2C-26**). White non-Hispanic elderly accounted for 85.7 percent of the 2013 deaths from Alzheimer's disease (based on data in **Table 2C-26**).

Figure 2C-23
Trends in Mortality Rates for Alzheimer's Disease[a] by Gender and Year among Elderly 65 Years and Older, Arizona, 2003-2013



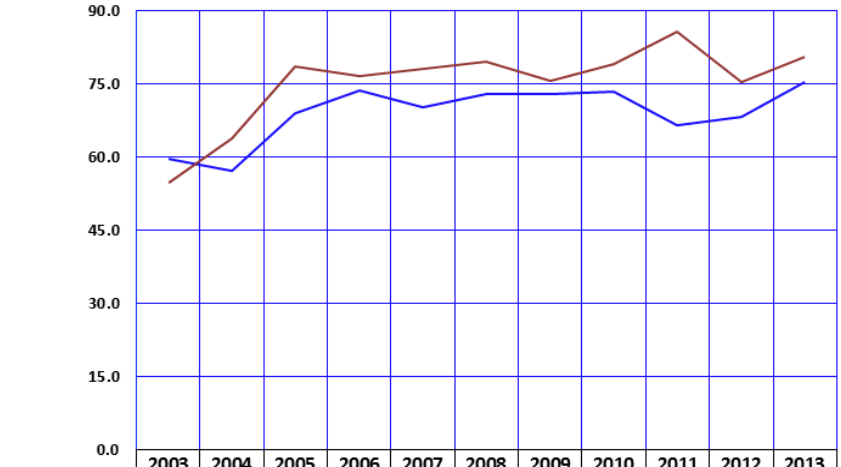
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Male	161.5	157.0	166.2	176.9	167.3	174.4	178.6	186.2	188.6	171.4	174.3
Female	282.8	269.8	280.4	317.9	301.8	297.9	291.2	323.5	319.4	272.5	294.8

Notes: [a] Number of deaths due to Alzheimer's disease per 100,000 persons, 65+ years old in specified group.

Among unintentional injury deaths unrelated to motor vehicles, Arizona's elderly experienced a substantial increase in mortality from *fall-related injuries* (**Figure 2C-24**). In 2013, 767 elderly Arizonans 65 years or older died from *fall-related injuries*, compared to 679 in 2012, a 13.0 percent increase (**Table 2C-26**).

In 2013, those 85 years old or older experienced the largest number of *fall-related deaths* (n = 467), followed by Arizonans 75-84 years old (n = 208), and the youngest elderly 65-74 years old (n = 92).

Figure 2C-24
Trends in Mortality Rates for Falls and Fall-related Injuries[a] by Gender and Year among Elderly 65 Years and Older, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Male	59.7	57.3	68.9	73.7	70.3	73.0	72.9	73.4	66.5	68.3	75.5
Female	54.7	63.7	78.6	76.7	78.2	79.5	75.7	79.1	85.6	75.4	80.5

Notes: [a] Number of deaths due to falls and fall-related injuries per 100,000 persons, 65+ years old in specified group.

TABLE 2C-23
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY GENDER, ARIZONA, 2003-2013

Gender/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
MALE												
Diseases of heart	1335.3	1241.4	1238.7	1138.7	1079.2	1114.1	1073.3	992.8	1065.5	1022.2	1007.0	-24.6
Malignant neoplasms	1126.0	1085.8	1068.2	1058.2	1020.4	1006.6	1017.3	1007.7	1007.4	992.6	958.6	-14.9
Chronic lower respiratory diseases	340.9	296.0	317.3	326.7	300.9	316.8	303.6	310.9	318.4	319.9	302.7	-11.2
Alzheimer's disease	161.5	157.0	166.2	176.9	167.3	174.4	178.6	186.2	188.6	171.4	174.3	8.0
Cerebrovascular diseases	248.9	242.2	224.9	195.2	168.6	188.9	182.8	169.3	164.4	165.5	151.8	-39.0
ALL CAUSES	4536.2	4338.0	4401.4	4282.4	4002.8	4095.0	4025.9	3974.9	4083.3	3987.4	3904.2	-13.9
(Number of all deaths)	(14744)	(14614)	(15385)	(15273)	(14981)	(15589)	(15462)	(15967)	(16517)	(17101)	(17489)	18.6
FEMALE												
Diseases of heart	1098.6	1028.8	1013.9	968.0	891.9	860.8	855.9	804.8	847.2	794.5	763.7	-30.5
Malignant neoplasms	757.2	731.8	721.8	713.1	696.4	691.1	701.6	702.5	710.9	678.6	697.9	-7.8
Alzheimer's disease	282.8	269.8	280.4	317.9	301.8	297.9	291.2	323.5	319.4	272.5	294.8	4.3
Chronic lower respiratory diseases	276.2	264.0	297.4	286.3	255.0	279.3	273.5	272.6	301.4	268.6	283.6	2.7
Cerebrovascular diseases	316.2	311.8	286.9	258.7	246.8	229.2	218.5	229.9	231.0	208.0	198.1	-37.4
ALL CAUSES	3941.6	3796.9	3856.6	3828.7	3597.1	3544.8	3515.6	3521.7	3681.4	3489.9	3468.6	-12.0
(Number of all deaths)	(16070)	(15918)	(16778)	(16919)	(16601)	(16625)	(16636)	(16909)	(17798)	(17855)	(18494)	15.1
TOTAL												
Diseases of heart	1203.6	1123.5	1114.1	1044.8	975.7	974.3	953.3	890.4	946.8	898.3	874.8	-27.3
Malignant neoplasms	920.9	889.5	876.1	867.2	841.5	832.4	843.0	841.5	846.1	821.8	816.9	-11.3
Chronic lower respiratory diseases	304.9	278.3	306.3	304.3	275.6	296.1	287.0	290.1	309.1	292.0	292.3	-4.1
Alzheimer's disease	229.0	220.1	229.5	258.2	241.6	242.6	240.8	260.9	259.8	226.4	239.8	4.7
Cerebrovascular diseases	286.3	280.8	259.2	230.3	211.8	211.1	202.5	202.3	200.7	188.6	176.9	-38.2
ALL CAUSES	4205.5	4038.0	4099.3	4031.3	3778.8	3791.3	3744.2	3728.2	3864.8	3716.9	3667.5	-12.8
(Number of all deaths)	(30815)	(30532)	(32163)	(32192)	(31852)	(32214)	(32098)	(32876)	(34318)	[c](34958)	(35983)	16.8

Notes: [a] Rates are presented per 100,000 elderly persons 65 years and older; [b] The five causes with the greatest number of deaths over the 2003-2013 period; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10, replacing the Ninth Revision (ICD-9).

TABLE 2C-24
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES[b] OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) IN URBAN AND RURAL AREAS[c], ARIZONA, 2003-2013

Area/Cause	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Diseases of heart	1217.0	1130.1	1110.7	1055.0	983.1	971.9	952.2	888.5	932.0	891.8	862.3	-29.1
Malignant neoplasms	907.5	869.3	863.6	854.5	834.1	817.9	835.0	834.0	846.2	825.5	807.6	-11.0
Chronic lower respiratory diseases	303.4	278.9	309.3	303.2	271.8	289.2	282.2	288.7	311.3	288.9	286.3	-5.6
Alzheimer's disease	235.7	232.9	244.6	270.7	262.4	261.3	263.2	284.9	288.9	251.5	272.0	15.4
Cerebrovascular diseases	289.5	287.8	257.3	234.6	211.3	206.4	206.1	201.5	202.0	192.8	180.1	-37.8
ALL CAUSES	4192.3	4021.7	4083.4	4053.0	3792.4	3765.0	3765.4	3738.3	3886.0	3740.3	3663.4	-12.6
(Number of all deaths)	(24633)	(24384)	(25740)	(25585)	(25143)	(25374)	(25596)	(26043)	(27302)	(27824)	(28442)	15.5
RURAL												
Diseases of heart	1146.3	1094.8	1127.8	1006.1	946.3	979.3	950.4	889.9	990.4	912.5	919.1	-19.8
Malignant neoplasms	974.1	966.6	927.4	915.2	868.7	883.7	865.3	864.6	840.5	802.6	847.8	-13.0
Chronic lower respiratory diseases	310.0	275.7	293.8	308.5	290.0	322.1	302.5	291.6	298.9	299.6	314.0	1.3
Cerebrovascular diseases	272.1	251.7	267.2	214.0	213.6	228.2	187.0	204.1	193.1	171.9	164.1	-39.7
Alzheimer's disease	140.5	195.6	168.0	195.5	161.5	166.7	152.1	169.6	145.1	130.2	117.2	-16.6
ALL CAUSES	4249.8	4093.4	4164.3	3949.5	3723.8	3863.1	3628.5	3657.5	3741.1	3590.0	3665.4	-13.8
(Number of all deaths)	(6169)	(6132)	(6421)	(6607)	(6434)	(6789)	(6441)	(6773)	(6935)	(7058)	(7505)	21.7
STATEWIDE												
Diseases of heart	1203.6	1123.5	1114.1	1044.8	975.7	974.3	953.3	890.4	946.8	898.3	874.8	-27.3
Malignant neoplasms	920.9	889.5	876.1	867.2	841.5	832.4	843.0	841.5	846.1	821.8	816.9	-11.3
Chronic lower respiratory diseases	304.9	278.3	306.3	304.3	275.6	296.1	287.0	290.1	309.1	292.0	292.3	-4.1
Alzheimer's disease	229.0	220.1	229.5	258.2	241.6	242.6	240.8	260.9	259.8	226.4	239.8	4.7
Cerebrovascular diseases	286.3	280.8	259.2	230.3	211.8	211.1	202.5	202.3	200.7	188.6	176.9	-38.2
ALL CAUSES	4205.5	4038.0	4099.3	4031.3	3778.8	3791.3	3744.2	3728.2	3864.8	3716.9	3667.5	-12.8
(Number of all deaths)	(30815)	(30532)	(32163)	(32192)	(31852)	(32214)	(32098)	(32876)	(34318)	(34958)	(35983)	16.8

Notes: [a] Rates are presented per 100,000 elderly persons 65 years and older; [b] The five causes with the greatest number of deaths over the 2003-2013 period; [c] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information; records with unknown county of residence are included in the statewide totals, but are not distributed by urban/rural area; the cause-of-death titles are according to the Tenth Revision of the International Classification of Diseases (ICD-10); the causes of death for 2003-2013 are classified by ICD-10, replacing the Ninth Revision (ICD-9); measures of comparison between ICD-9 and ICD-10 – the "comparability ratios" - for the causes of death shown in this report are provided in the ***Technical Notes***.

TABLE 2C-25
MORTALITY RATES[a] FOR THE FIVE LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY GENDER IN URBAN AND RURAL AREAS[b], ARIZONA, 2003-2013

Area/Gender	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	% change from 2003
URBAN												
Male	4542.1	4323.1	4359.2	4283.2	3986.1	4053.2	4013.8	3976.9	4107.6	3980.1	3898.2	-14.2
Female	3920.8	3786.0	3866.8	3871.5	3638.1	3534.9	3567.5	3543.8	3705.0	3543.8	3470.8	-11.5
TOTAL	4192.1	4021.7	4083.4	4053.0	3792.4	3765.0	3765.4	3738.3	3886.0	3740.3	3663.4	-12.6
RURAL												
Male	4502.4	4379.8	4561.0	4279.7	4058.9	4216.1	4021.7	3917.1	3948.9	3952.6	3895.3	-13.5
Female	4024.4	3836.1	3811.3	3658.6	3432.7	3555.8	3286.5	3418.2	3547.4	3256.0	3454.5	-14.2
TOTAL	4249.8	4093.4	4164.3	3949.5	3723.8	3863.1	3628.5	3657.5	3741.1	3590.0	3665.4	-13.8
STATEWIDE												
Male	4536.2	4338.0	4401.4	4282.4	4002.8	4095.0	4025.9	3974.9	4083.3	3987.4	3904.2	-13.9
Female	3941.6	3796.9	3856.6	3828.7	3597.1	3544.8	3515.6	3521.7	3681.4	3489.9	3468.6	-12.0
TOTAL	4205.3	4038.0	4099.3	4031.3	3778.8	3791.3	3744.2	3728.2	3864.8	3716.9	3667.5	-12.8

Notes: [a] Rates are presented per 100,000 persons 65 years and older; [b] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; see ***Technical Notes*** for more information.

TABLE 2C-26
LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY GENDER, AREA, AND RACE/ETHNICITY, ARIZONA, 2013

Cause of death	Total	Gender		Area[a]			Race/ethnicity				
		Male	Female	Urban	Rural	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Diseases of heart	8,583	4,511	4,072	6,695	1,882	6	7,393	751	203	156	80
Malignant neoplasms	8,015	4,294	3,721	6,270	1,736	9	6,819	765	196	137	98
Malignant neoplasm of trachea, bronchus and lung	2,147	1,143	1,004	1,666	479	*	1,908	154	46	13	26
Malignant neoplasm of lymphoid, hematopoietic and related tissue	901	516	385	698	203	0	760	92	22	14	13
Malignant neoplasm of colon, rectum, and anus	660	318	342	506	152	*	551	65	19	12	13
Malignant neoplasm of pancreas	540	264	276	431	109	0	458	47	11	16	8
Malignant neoplasm of prostate	526	526	0	380	145	*	442	50	15	12	7
Malignant neoplasm of breast	520†	8	511	417	102	0	446	52	11	7	*
Chronic lower respiratory diseases	2,868	1,356	1,512	2,223	643	*	2,630	145	53	20	20
Alzheimer's disease	2,353	781	1,572	2,112	240	*	2,016	251	45	24	17
Cerebrovascular diseases	1,736	680	1,056	1,398	336	*	1,428	189	57	32	30
Diabetes	1,162	633	529	938	223	*	769	252	58	66	17
Accidents (unintentional injury)	1,146	563	583	896	246	*	959	121	20	35	11
Falls	767	338	429	629	138	0	662	82	8	9	6
Motor vehicle accidents	130†	86	48	99	33	*	103	15	*	8	*
Influenza and pneumonia	608	285	323	453	154	*	486	71	13	30	8
Essential (primary) hypertension and hypertensive disease	601	256	345	521	80	0	469	76	23	16	17
Parkinson's disease	560†	358	203	451	110	0	481	56	8	12	*
Nephritis, nephrotic syndrome and nephrosis	328	157	171	198	130	0	259	30	13	20	6
Septicemia	260†	133	130	197	66	0	197	39	8	15	*
Total, all causes	35,983	17,489	18,494	28,442	7,505	36	30,394	3,541	845	816	387

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas.

COMPARATIVE CAUSE-SPECIFIC MORTALITY BY AGE GROUP

TABLE 2C-27
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2013

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Un-known
Total, all causes	49,929	447	252	214	3,115	9,898	35,983	20
Salmonella infections	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0†	0	0	0	0	0	*	0
Certain other intestinal infections	250†	7	0	0	*	27	208	0
Enterocolitis due to Clostridium difficile	190†	0	0	0	*	21	165	0
Tuberculosis	20†	0	*	0	0	*	9	0
Respiratory tuberculosis	10†	0	*	0	0	*	7	0
Other tuberculosis	0†	0	0	0	0	*	*	0
Whooping cough	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0
Meningococcal infection	0†	0	0	0	*	*	*	0
Septicemia	350†	*	0	0	14	73	263	0
Syphilis	0†	0	0	0	0	0	*	0
Acute poliomyelitis	0†	0	0	0	0	0	*	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0
Viral hepatitis	280†	0	*	0	16	200	60	0
Human immunodeficiency virus (HIV) disease	90	0	0	0	29	54	7	0
Malaria	0†	0	0	0	0	*	0	0
Other and unspecified infectious and parasitic diseases	170†	6	8	*	15	39	96	0
Malignant neoplasms	11,190†	*	29	14	333	2,801	8,015	0
Malignant neoplasm of lip, oral cavity and pharynx	150†	0	0	0	*	42	107	0
Malignant neoplasm of esophagus	320†	0	0	0	*	90	226	0
Malignant neoplasm of stomach	202	0	0	0	16	56	130	0
Malignant neoplasm of colon, rectum, and anus	997	0	0	0	48	289	660	0
Malignant neoplasm of liver and intrahepatic bile ducts	530†	0	*	0	13	217	297	0
Malignant neoplasm of pancreas	755	0	0	0	7	208	540	0
Malignant neoplasm of larynx	52	0	0	0	0	17	35	0
Malignant neoplasm of trachea, bronchus and lung	2,763	0	0	0	16	600	2,147	0
Malignant melanoma of skin	220†	0	*	0	11	60	150	0
Malignant neoplasm of breast	836	0	0	0	45	272	519	0
Malignant neoplasm of cervix uteri	86	0	0	0	18	40	28	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	140	0	0	0	6	44	90	0
Malignant neoplasm of ovary	285	0	0	0	10	94	181	0
Malignant neoplasm of prostate	570†	0	0	0	*	43	526	0
Malignant neoplasm of kidney and renal pelvis	274	0	0	0	10	78	186	0
Malignant neoplasm of bladder	290†	0	0	0	*	42	249	0

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2013

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Un-known
Malignant neoplasm of meninges, brain and other parts of CNS	330†	0	7	*	30	108	179	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	1,190†	*	8	6	51	223	901	0
Hodgkin's disease	30†	0	0	0	*	6	16	0
Non-Hodgkin's lymphoma	420†	0	0	*	14	75	326	0
Leukemia	500†	*	8	*	30	90	366	0
Multiple myeloma and immunoproliferative neoplasms	250†	0	0	0	*	52	192	0
Other and unspecified malignant neoplasms of lymphoid tissue	0†	0	0	0	0	0	*	0
All other and unspecified malignant neoplasm	1,205	0	12	7	44	278	864	0
In situ neoplasms	300†	*	*	*	11	49	234	0
Anemias	50†	0	0	*	6	*	39	0
Diabetes	1,740†	0	0	*	84	497	1,162	0
Nutritional deficiencies	50†	0	*	0	*	*	39	0
Malnutrition	40†	0	0	0	*	*	36	0
Other nutritional deficiencies	0†	0	*	0	0	0	*	0
Obesity	160	0	0	0	36	69	55	0
Meningitis	10†	*	*	0	*	*	*	0
Parkinson's disease	578	0	0	0	0	17	561	0
Alzheimer's disease	2,380†	0	0	0	*	30	2,353	0
Major cardiovascular diseases	13,750†	8	*	*	281	2,128	11,320	*
Diseases of heart	10,500†	6	*	*	217	1,683	8,583	*
Acute rheumatic fever and chronic rheumatic heart disease	60†	0	0	0	*	11	51	0
Hypertensive heart disease	943	0	0	0	31	182	730	0
Hypertensive heart and renal disease	50†	0	0	0	0	*	44	0
Ischemic heart disease	7,160†	*	*	0	92	1,186	5,878	*
Acute myocardial infarction	1,592	0	0	0	23	289	1,280	0
Other acute ischemic heart disease	30†	0	*	0	0	*	26	0
Other forms of chronic ischemic heart disease	5,540†	*	0	0	69	892	4,572	*
Atherosclerotic cardiovascular disease	1,683	0	0	0	40	480	1,162	*
All other forms of chronic ischemic heart disease	3,850†	*	0	0	29	412	3,410	0
Other heart diseases	2,280†	*	*	*	92	299	1,880	0
Acute and subacute endocarditis	30†	0	0	0	*	7	15	0
Diseases of pericardium and acute myocarditis	10†	0	*	0	0	*	7	0
Heart failure	470†	0	0	0	*	20	446	0
All other forms of heart disease	1,780†	*	*	*	87	268	1,412	0
Essential (primary) hypertension and hypertensive renal disease	711	0	0	0	13	97	601	0
Cerebrovascular diseases	2,050†	*	0	0	37	272	1,736	0
Atherosclerosis	150†	0	0	0	*	9	140	0

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2013

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Un-known
Other diseases of circulatory system	340†	0	0	*	13	67	259	0
Aortic aneurysm and dissection	181	0	0	0	7	38	136	0
Other disease of arteries, arterioles and capillaries	160†	0	0	*	6	29	123	0
Other disorders of circulatory system	97	0	0	0	15	36	46	0
Influenza and pneumonia	720†	*	*	*	24	81	608	0
Influenza	40†	0	*	*	*	*	36	0
Pneumonia	680†	*	*	*	23	79	572	0
Other acute lower respiratory infections	10†	0	0	0	0	*	*	0
Acute bronchiolitis	10†	0	0	0	0	*	*	0
Unspecified acute lower respiratory infection	0†	0	0	0	0	0	*	0
Chronic lower respiratory diseases	3,300†	0	8	*	24	394	2,868	0
Bronchitis, chronic and unspecified	7	0	0	0	0	0	7	0
Emphysema	160	0	0	0	0	16	144	0
Asthma	90†	0	8	*	17	26	41	0
Other chronic lower respiratory diseases	3,035	0	0	0	7	352	2,676	0
Pneumoconioses and chemical effects	10†	0	0	0	0	*	11	0
Pneumonitis due to solids and liquids	270†	0	*	0	*	12	256	0
Other disease of respiratory system	530†	7	*	0	11	72	439	0
Peptic ulcer	80†	0	0	0	*	30	48	0
Diseases of appendix	10†	0	0	0	0	0	*	0
Hernia	40†	0	0	*	0	9	26	0
Chronic liver disease and cirrhosis	1,040	0	0	0	145	553	342	0
Alcoholic liver disease	742	0	0	0	129	434	179	0
Other chronic liver disease and cirrhosis	298	0	0	0	16	119	163	0
Cholelithiasis and other disorders of gallbladder	60†	0	0	0	*	7	52	0
Nephritis, nephrotic syndrome and nephrosis	390†	*	0	0	10	52	328	0
Acute and rapidly progressive nephritic and nephrotic syndrome	0†	0	0	0	0	0	*	0
Chronic glomerulonephritis	90†	0	0	0	*	8	82	0
Renal failure	300†	*	0	0	8	44	245	0
Others disorders of kidney	0	0	0	0	0	0	0	0
Infections of kidney	10†	0	0	0	0	*	6	0
Hyperplasia of prostate	9	0	0	0	0	0	9	0
Inflammatory diseases of female pelvic organs	0†	0	0	0	0	*	*	0
Pregnancy, childbirth and the puerperium	10†	0	0	0	*	*	0	0
Pregnancy with abortive outcome	0†	0	0	0	*	0	0	0
Other complications of pregnancy, childbirth and the puerperium	10†	0	0	0	*	*	0	0

TABLE 2C-27 (continued)
COMPARISON OF CAUSES OF MORTALITY BY AGE GROUP, ARIZONA, 2013

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Un-known
Perinatal conditions	220†	214	*	0	0	0	0	*
Congenital anomalies, deformations and chromosomal abnormalities	210†	101	21	*	23	40	22	0
Symptoms, signs, abnormal findings	1,705	56	13	8	161	281	1,180	6
Total accidents	3,137	14	84	86	890	915	1,146	*
Transport accidents	830†	*	49	53	303	280	148	0
Motor vehicle accidents	770†	*	45	51	288	248	134	0
Other land transport accidents	30†	0	*	*	7	14	8	0
Water, air, space	30†	0	*	0	8	18	6	0
Nontransport accidents	2,303	13	35	33	587	635	998	*
Falls	870†	0	*	0	27	73	767	0
Accidental discharge of firearms	10†	0	*	*	*	*	*	0
Accidental drowning and submersion	70†	0	20	*	21	18	10	0
Accidental exposure to smoke, fire and flames	68	0	0	0	26	20	22	0
Accidental poisoning	970†	0	*	25	462	426	51	0
Other and unspecified nontransport accidents	320†	13	9	*	48	96	147	*
Intentional self-harm (suicide)	1,116	0	8	32	445	406	224	*
By discharge of firearms	640†	0	*	13	233	224	172	0
By other means	473	0	7	19	212	182	52	*
Assault (homicide)	380†	*	19	31	215	87	20	6
By discharge of firearms	250†	*	*	28	150	52	9	6
By other means	130†	*	16	*	65	35	11	0
Legal intervention	20†	0	0	*	14	*	*	0
Events of undetermined intent	180†	*	*	11	62	81	18	*
Discharge of firearms	20†	0	*	*	*	*	*	0
Other and unspecified events of undetermined intent	170†	*	*	9	57	76	16	*
Operations of war	0	0	0	0	0	0	0	0
Complications of medical and surgical care	60†	0	*	0	*	16	35	0
Injury by firearms	930†	*	7	45	404	284	184	6
Drug-induced deaths	1,100†	0	*	23	479	504	92	0
Alcohol-induced deaths	1,100†	0	0	*	216	634	244	0

Notes: * Cell suppressed due to count less than 6; the causes of death in this table are classified by the Tenth Revision of the International Classification of Diseases (ICD-10).

TABLE 2C-28
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES[a] BY AGE GROUP, ARIZONA, 2013

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
Total, all causes	758.7	526.1	19.8	45.5	143.5	620.7	3667.5
Salmonella infections	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shigellosis and amebiasis	0.0	0.0	0.0	0.0	0.0	0.0	**
Certain other intestinal infections	3.7	8.2	0.0	0.0	**	1.7	21.2
Enterocolitis due to Clostridium difficile	2.9	0.0	0.0	0.0	**	1.3	16.8
Tuberculosis	0.2	0.0	**	0.0	0.0	**	0.9
Respiratory tuberculosis	0.2	0.0	**	0.0	0.0	**	0.7
Other tuberculosis	0.1	0.0	0.0	0.0	0.0	**	**
Whooping cough	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
Meningococcal infection	0.0	0.0	0.0	0.0	**	**	**
Septicemia	5.4	**	0.0	0.0	0.6	4.6	26.8
Syphilis	0.0	0.0	0.0	0.0	0.0	0.0	**
Acute poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	**
Arthropod-borne encephalitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral hepatitis	4.2	0.0	**	0.0	0.7	12.5	6.1
Human immunodeficiency virus (HIV) disease	1.4	0.0	0.0	0.0	1.3	3.4	0.7
Malaria	0.0	0.0	0.0	0.0	0.0	**	0.0
Other and unspecified infectious and parasitic diseases	2.5	7.1	0.6	**	0.7	2.4	9.8
Malignant neoplasms	170.1	**	2.3	3.0	15.3	175.6	816.9
Malignant neoplasm of lip, oral cavity and pharynx	2.3	0.0	0.0	0.0	**	2.6	10.9
Malignant neoplasm of esophagus	4.9	0.0	0.0	0.0	**	5.6	23.0
Malignant neoplasm of stomach	3.1	0.0	0.0	0.0	0.7	3.5	13.3
Malignant neoplasm of colon, rectum, and anus	15.1	0.0	0.0	0.0	2.2	18.1	67.3
Malignant neoplasm of liver and intrahepatic bile ducts	8.0	0.0	**	0.0	0.6	13.6	30.3
Malignant neoplasm of pancreas	11.5	0.0	0.0	0.0	0.3	13.0	55.0
Malignant neoplasm of larynx	0.8	0.0	0.0	0.0	0.0	1.1	3.6
Malignant neoplasm of trachea, bronchus and lung	42.0	0.0	0.0	0.0	0.7	37.6	218.8
Malignant melanoma of skin	3.4	0.0	**	0.0	0.5	3.8	15.3
Malignant neoplasm of breast	12.7	0.0	0.0	0.0	2.1	17.1	52.9
Malignant neoplasm of cervix uteri	2.6	0.0	0.0	0.0	1.7	4.9	5.3
Malignant neoplasm of corpus uteri and uterus, part unspecified	4.2	0.0	0.0	0.0	0.6	5.4	16.9
Malignant neoplasm of ovary	8.6	0.0	0.0	0.0	0.9	11.5	33.9
Malignant neoplasm of prostate	17.4	0.0	0.0	0.0	**	5.5	117.4
Malignant neoplasm of kidney and renal pelvis	4.2	0.0	0.0	0.0	0.5	4.9	19.0
Malignant neoplasm of bladder	4.5	0.0	0.0	0.0	**	2.6	25.4

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES[a] BY AGE GROUP, ARIZONA, 2013

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
Malignant neoplasm of meninges, brain and other parts of CNS	4.9	0.0	0.5	**	1.4	6.8	18.2
Malignant neoplasm of lymphoid, hematopoietic and related tissue	18.1	**	0.6	1.3	2.4	14.0	91.8
Hodgkin's disease	0.4	0.0	0.0	0.0	**	0.4	1.6
Non-Hodgkin's lymphoma	6.3	0.0	0.0	**	0.6	4.7	33.2
Leukemia	7.6	**	0.6	**	1.4	5.6	37.3
Multiple myeloma and immunoproliferative neoplasms	3.8	0.0	0.0	0.0	**	3.3	19.6
Other and unspecified malignant neoplasms of lymphoid tissue	0.0	0.0	0.0	0.0	0.0	0.0	**
All other and unspecified malignant neoplasm	18.3	0.0	0.9	1.5	2.0	17.4	88.1
In situ neoplasms	4.6	**	**	**	0.5	3.1	23.9
Anemias	0.7	0.0	0.0	**	0.3	**	4.0
Diabetes	26.5	0.0	0.0	**	3.9	31.2	118.4
Nutritional deficiencies	0.7	0.0	**	0.0	**	**	4.0
Malnutrition	0.6	0.0	0.0	0.0	**	**	3.7
Other nutritional deficiencies	0.1	0.0	**	0.0	0.0	0.0	**
Obesity	2.4	0.0	0.0	0.0	1.7	4.3	5.6
Meningitis	0.2	**	**	0.0	**	**	**
Parkinson's disease	8.8	0.0	0.0	0.0	0.0	1.1	57.2
Alzheimer's disease	36.2	0.0	0.0	0.0	**	1.9	239.8
Major cardiovascular diseases	208.9	9.4	**	**	12.9	133.4	1153.8
Diseases of heart	159.5	7.1	**	**	10.0	105.5	874.8
Acute rheumatic fever and chronic rheumatic heart disease	1.0	0.0	0.0	0.0	**	0.7	5.2
Hypertensive heart disease	14.3	0.0	0.0	0.0	1.4	11.4	74.4
Hypertensive heart and renal disease	0.7	0.0	0.0	0.0	0.0	**	4.5
Ischemic heart disease	108.8	**	**	0.0	4.2	74.4	599.1
Acute myocardial infarction	24.2	0.0	0.0	0.0	1.1	18.1	130.5
Other acute ischemic heart disease	0.5	0.0	**	0.0	0.0	**	2.7
Other forms of chronic ischemic heart disease	84.1	**	0.0	0.0	3.2	55.9	466.0
Atherosclerotic cardiovascular disease	25.6	0.0	0.0	0.0	1.8	30.1	118.4
All other forms of chronic ischemic heart disease	58.5	**	0.0	0.0	1.3	25.8	347.6
Other heart diseases	34.7	**	**	**	4.2	18.7	191.6
Acute and subacute endocarditis	0.4	0.0	0.0	0.0	**	0.4	1.5
Diseases of pericardium and acute myocarditis	0.2	0.0	**	0.0	0.0	**	0.7
Heart failure	7.1	0.0	0.0	0.0	**	1.3	45.5
All other forms of heart disease	27.0	**	**	**	4.0	16.8	143.9
Essential (primary) hypertension and hypertensive renal disease	10.8	0.0	0.0	0.0	0.6	6.1	61.3
Cerebrovascular diseases	31.1	**	0.0	0.0	1.7	17.1	176.9
Atherosclerosis	2.3	0.0	0.0	0.0	**	0.6	14.3

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES[a] BY AGE GROUP, ARIZONA, 2013

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
Other diseases of circulatory system	5.2	0.0	0.0	**	0.6	4.2	26.4
Aortic aneurysm and dissection	2.8	0.0	0.0	0.0	0.3	2.4	13.9
Other disease of arteries, arterioles and capillaries	2.4	0.0	0.0	**	0.3	1.8	12.5
Other disorders of circulatory system	1.5	0.0	0.0	0.0	0.7	2.3	4.7
Influenza and pneumonia	11.0	**	**	**	1.1	5.1	62.0
Influenza	0.6	0.0	**	**	**	**	3.7
Pneumonia	10.4	**	**	**	1.1	5.0	58.3
Other acute lower respiratory infections	0.1	0.0	0.0	0.0	0.0	**	**
Acute bronchiolitis	0.1	0.0	0.0	0.0	0.0	**	**
Unspecified acute lower respiratory infection	0.0	0.0	0.0	0.0	0.0	0.0	**
Chronic lower respiratory diseases	50.1	0.0	0.6	**	1.1	24.7	292.3
Bronchitis, chronic and unspecified	0.1	0.0	0.0	0.0	0.0	0.0	0.7
Emphysema	2.4	0.0	0.0	0.0	0.0	1.0	14.7
Asthma	1.4	0.0	0.6	**	0.8	1.6	4.2
Other chronic lower respiratory diseases	46.1	0.0	0.0	0.0	0.3	22.1	272.7
Pneumoconioses and chemical effects	0.2	0.0	0.0	0.0	0.0	**	1.1
Pneumonitis due to solids and liquids	4.1	0.0	**	0.0	**	0.8	26.1
Other disease of respiratory system	8.1	8.2	**	0.0	0.5	4.5	44.7
Peptic ulcer	1.2	0.0	0.0	0.0	**	1.9	4.9
Diseases of appendix	0.1	0.0	0.0	0.0	0.0	0.0	**
Hernia	0.5	0.0	0.0	**	0.0	0.6	2.7
Chronic liver disease and cirrhosis	15.8	0.0	0.0	0.0	6.7	34.7	34.9
Alcoholic liver disease	11.3	0.0	0.0	0.0	5.9	27.2	18.2
Other chronic liver disease and cirrhosis	4.5	0.0	0.0	0.0	0.7	7.5	16.6
Cholelithiasis and other disorders of gallbladder	0.9	0.0	0.0	0.0	**	0.4	5.3
Nephritis, nephrotic syndrome and nephrosis	5.9	**	0.0	0.0	0.5	3.3	33.4
Acute and rapidly progressive nephritic and nephrotic syndrome	0.0	0.0	0.0	0.0	0.0	0.0	**
Chronic glomerulonephritis	1.4	0.0	0.0	0.0	**	0.5	8.4
Renal failure	4.5	**	0.0	0.0	0.4	2.8	25.0
Others disorders of kidney	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Infections of kidney	0.1	0.0	0.0	0.0	0.0	**	0.6
Hyperplasia of prostate	0.3	0.0	0.0	0.0	0.0	0.0	2.0
Inflammatory diseases of female pelvic organs	0.1	0.0	0.0	0.0	0.0	**	**
Pregnancy, childbirth and the puerperium	0.3	0.0	0.0	0.0	**	**	0.0
Pregnancy with abortive outcome	0.0	0.0	0.0	0.0	**	0.0	0.0
Other complications of pregnancy, childbirth and the puerperium	0.2	0.0	0.0	0.0	**	**	0.0

TABLE 2C-28 (continued)
COMPARISON OF CAUSE-SPECIFIC MORTALITY RATES[a] BY AGE GROUP, ARIZONA, 2013

	All ages	Infants <1	Children 1-14	Adoles-cents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+
Perinatal conditions	3.3	251.9	**	0.0	0.0	0.0	0.0
Congenital anomalies, deformations and chromosomal abnormalities	3.2	118.9	1.6	**	1.1	2.5	2.2
Symptoms, signs, abnormal findings	25.9	65.9	1.0	1.7	7.4	17.6	120.3
Total accidents	47.7	16.5	6.6	18.3	41.0	57.4	116.8
Transport accidents	12.7	**	3.8	11.3	14.0	17.6	15.1
Motor vehicle accidents	11.7	**	3.5	10.8	13.3	15.6	13.7
Other land transport accidents	0.5	0.0	**	**	0.3	0.9	0.8
Water, air, space	0.5	0.0	**	0.0	0.4	1.1	0.6
Nontransport accidents	35.0	15.3	2.7	7.0	27.1	39.8	101.7
Falls	13.2	0.0	**	0.0	1.2	4.6	78.2
Accidental discharge of firearms	0.1	0.0	**	**	**	**	**
Accidental drowning and submersion	1.1	0.0	1.6	**	1.0	1.1	1.0
Accidental exposure to smoke, fire and flames	1.0	0.0	0.0	0.0	1.2	1.3	2.2
Accidental poisoning	14.7	0.0	**	5.3	21.3	26.7	5.2
Other and unspecified nontransport accidents	4.8	15.3	0.7	**	2.2	6.0	15.0
Intentional self-harm (suicide)	17.0	0.0	0.6	6.8	20.5	25.5	22.8
By discharge of firearms	9.8	0.0	**	2.8	10.7	14.0	17.5
By other means	7.2	0.0	0.5	4.0	9.8	11.4	5.3
Assault (homicide)	5.8	**	1.5	6.6	9.9	5.5	2.0
By discharge of firearms	3.8	**	**	5.9	6.9	3.3	0.9
By other means	2.0	**	1.3	**	3.0	2.2	1.1
Legal intervention	0.3	0.0	0.0	**	0.6	**	**
Events of undetermined intent	2.8	**	**	2.3	2.9	5.1	1.8
Discharge of firearms	0.2	0.0	**	**	**	**	**
Other and unspecified events of undetermined intent	2.6	**	**	1.9	2.6	4.8	1.6
Operations of war	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Complications of medical and surgical care	0.9	0.0	**	0.0	**	1.0	3.6
Injury by firearms[b]	14.1	**	0.5	9.6	18.6	17.8	18.8
Drug-induced deaths[b]	16.7	0.0	**	4.9	22.1	31.6	9.4
Alcohol-induced deaths[b]	16.7	0.0	0.0	**	10.0	39.8	24.9

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] The rates for infants <1 year of age are per 100,000 births; all other rates are per 100,000 population in specified group; the rates for malignant neoplasm of cervix uteri, corpus uteri, ovary, inflammatory disease of female pelvic organs and complications of pregnancy are per 100,000 females; the rates for prostate cancer and hyperplasia of prostate are per 100,000 males; [b] Included in selected categories above.



2D.

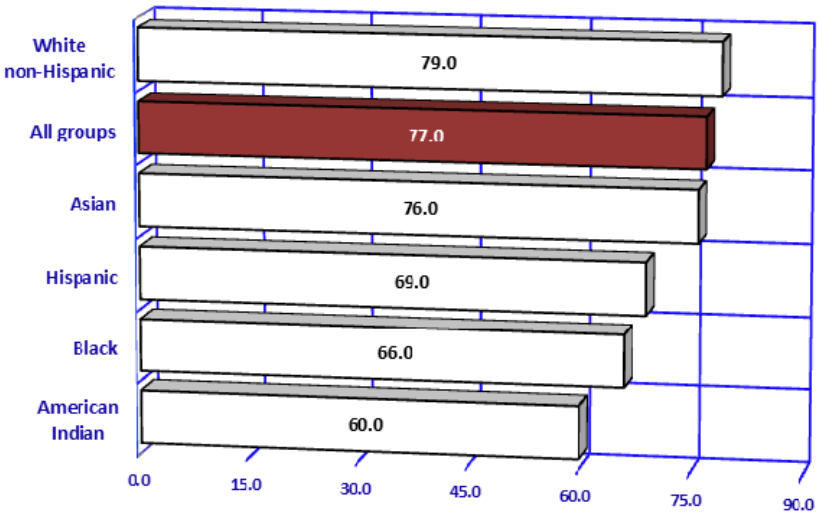
PATTERNS OF PREMATURE MORTALITY

Compared with White non-Hispanics, the racial/ethnic minority groups in Arizona had greater percentages of people younger than 25 years in 2013 (45.7 vs. 26.3 percent). In contrast, people aged 65 years and older accounted for 21.0 percent of White non-Hispanics, but only 6.3 percent of all ethnic minority groups combined (percentages based on race-and-age-specific population denominators in **Table 10C-1**).

Arizona's population distribution by age and race/ethnicity is related to patterns of mortality among these subgroups. In 2013, of all deaths among the elderly (65 years and older), 84.5 percent were White non-Hispanics, 9.8 percent were Hispanic or Latino, with the three remaining racial/ethnic groups comprising only 5.7 percent of all deaths in this age group (**Table 2C-26**). Looking at younger ages, Native American children comprised only 6.1 percent of Arizona's population age 1 – 14, but accounted for 15.1 percent of all childhood deaths. Native American adolescents represented only 5.8 percent off all adolescents but accounted for 13.1 percent of all adolescent deaths. Finally, Native American young adults (ages 20 – 44) represented 5.2% of all young adults but comprised 14.1 percent of all young adult deaths. In summary, Arizona's racial/ethnic minority groups tend to experience mortality earlier in life than Arizona's White non-Hispanics.

Beginning with the 2005 edition of the report, information about the arithmetic mean age at death was supplemented with information about the median age, or the age in the center of the distribution when sorted by age (see **Table 2D-1**). The median age is higher than the arithmetic mean age in negatively skewed distributions.

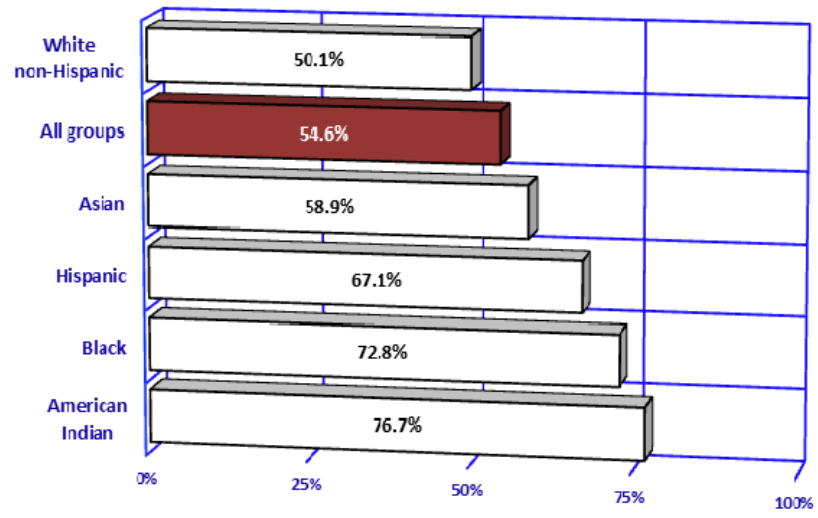
Figure 2D-1
Median Age at Death by Race/Ethnicity, Arizona, 2013



The median age at death remained stable at 77 years from 2010 to 2013 (**Table 2D-1**). In other words, one of every two Arizonans who died in 2013 was older than 77 years of age. Among Arizona females, fifty percent were older than 80 years when they died in 2013. Among males, the median age at death was 73 years in 2013. **Table 2D-1** shows both the average and the median age at death by race/ethnicity and gender in 2003-2013.

In 2013, compared to White non-Hispanics, on average Asians were 3 years younger at time of death, Hispanics were 10 years younger, Blacks were 13 years younger, and American Indian residents of Arizona were 19 years younger (based on the median age at death).

Figure 2D-2
Percent of Deaths before Expected[a] Years of Life Reached by Race/Ethnicity, Arizona, 2013



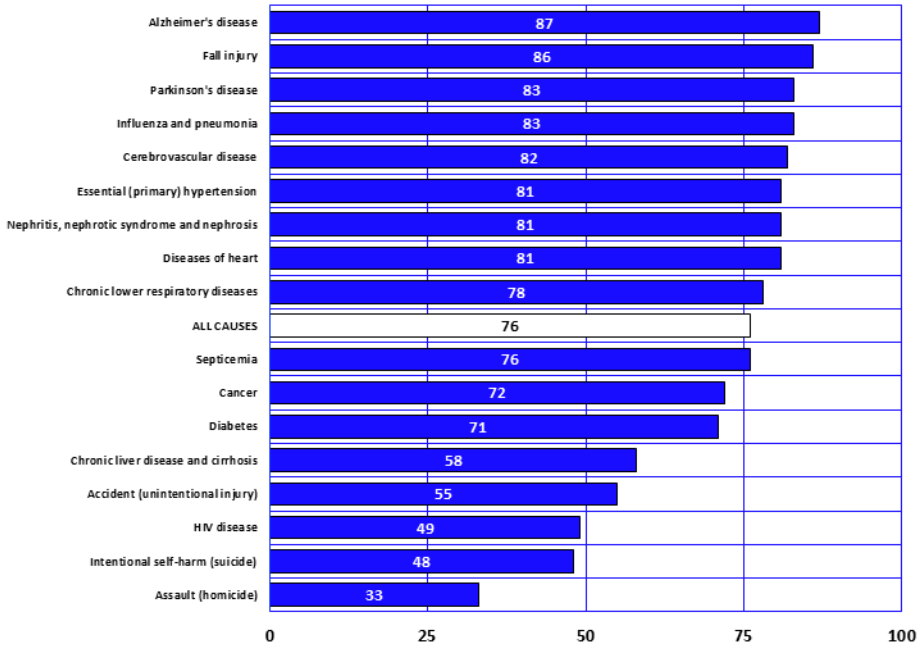
Notes: [a] Expected years of life at birth for all U.S. residents (78.7 years).

The percent of deaths before expected years of life reached (a premature death ratio) slightly decreased for all Arizonans from 55.0 in 2012 to 54.6 in 2013 (**Figure 2D-2**).

As expected, based on the findings for average and median age at death, White non-Hispanics were the only group with nearly 50 percent of all deaths (50.1 percent) occurring before the expected years of life were reached (**Figure 2D-2**). On average, 68.9 percent of the deaths among racial/ethnic minority groups occurred prematurely.

Among American Indians, nearly eight out of ten deaths (76.7 percent) were premature (**Table 2D-2**).

Figure 2D-3
Median Age at Death for Selected Leading Causes of Death, Arizona, 2013

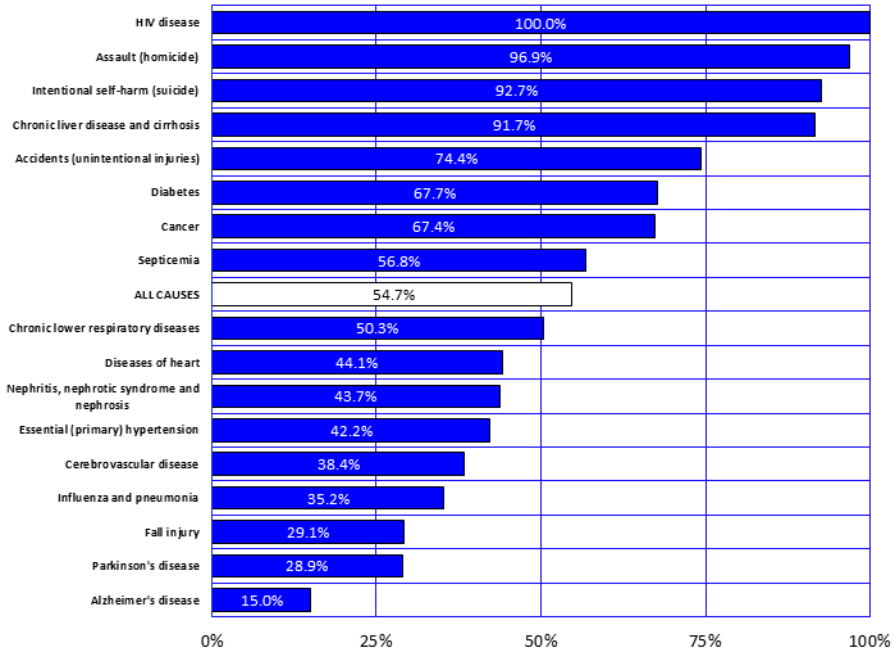


In 2013, *Alzheimer's disease* had the highest median age of death at 87 years (**Figure 2D-3**), exceeding by 11 years the median age at death for all causes (**Figure 2D-3**, **Table 2D-3**).

Among the leading causes of death, *homicide* had the lowest median age at death of 33 years.

From 2003 to 2013, *cancer* has replaced *diseases of the heart* as the leading cause of death (based on the number of deaths). This epidemiologic transition in mortality risks is likely to have long lasting implications for the life expectancy of Arizonans, because the median age at death from *cancer* (72 years) is substantially lower than the median age at death from *diseases of the heart* (81 years).

Figure 2D-4
Percent of Deaths before Expected Years of Life[a] Reached for Selected Leading Causes of Death, Arizona, 2013



Notes: [a] Expected years of life at birth for all U.S. residents (78.7 years).

Only 15.0 percent of deaths from *Alzheimer's disease* occurred before the age of 78.7 years, i.e., before the expected years of life were reached. In contrast, all deaths from *HIV disease* were premature (**Figure 2D-4**, **Table 2D-4**) and the median age at death from *HIV disease* increased from the previous year at 49 years (**Figure 2D-3**, **Table 2D-3**).

A minority of deaths from *diseases of heart* were premature (44.1 percent). In contrast 67.4 percent of deaths from *cancer* occurred before the expected years of life were reached.

TABLE 2D-1
AVERAGE AND MEDIAN AGE AT DEATH FROM ALL CAUSES BY GENDER AND RACE/ETHNICITY, ARIZONA, 2003-2013

Year	Gender	All ethnic groups		Race/ethnicity									
		Mean	Median	White non-Hispanic		Hispanic or Latino		Black or African American		American Indian or Alaska Native		Asian or Pacific Islander	
				Mean	Median	Mean	Median	Mean	Median	Mean	Median	Mean	Median
2003	**Total**	72.2	76.0	74.4	78.0	60.4	66.0	62.4	66.0	54.7	56.0	64.3	70.0
	Male	69.6	73.0	71.6	75.0	57.5	60.0	60.0	60.0	50.3	51.0	63.5	70.0
	Female	75.1	80.0	77.4	81.0	64.4	72.0	65.3	71.0	60.4	65.0	65.0	71.0
2004	**Total**	71.0	76.0	73.8	78.0	58.5	65.0	60.4	64.0	55.9	58.0	65.3	69.0
	Male	67.7	73.0	70.9	75.0	54.6	60.0	55.4	59.0	52.4	53.0	63.5	68.0
	Female	74.6	80.0	76.9	81.0	63.8	72.0	66.5	70.0	60.4	64.0	67.0	70.0
2005	**Total**	71.5	77.0	74.4	79.0	59.0	65.0	60.7	64.0	56.8	59.0	65.5	72.0
	Male	68.1	73.0	71.4	76.0	55.5	61.0	55.7	58.0	53.4	54.0	64.3	71.0
	Female	75.2	80.0	77.6	81.0	63.8	71.0	66.3	71.0	61.2	66.0	66.8	73.0
2006	**Total**	71.2	76.0	74.0	78.0	58.7	65.0	60.2	63.0	55.4	57.0	68.7	73.0
	Male	67.9	73.0	71.1	75.0	55.1	59.0	57.3	59.0	51.5	52.0	64.5	71.5
	Female	74.8	80.0	76.9	81.0	64.0	73.0	64.4	70.0	60.9	65.0	72.7	73.0
2007	**Total**	71.2	76.0	74.2	78.0	58.4	64.0	60.1	62.0	57.2	59.0	64.9	70.0
	Male	67.8	73.0	71.3	75.0	54.6	59.0	54.8	57.0	53.7	54.0	60.2	64.0
	Female	74.9	80.0	77.4	81.0	63.4	71.0	66.5	70.0	61.9	67.0	69.0	73.0
2008	**Total**	71.5	77.0	74.3	78.0	61.2	68.0	58.5	62.0	57.3	59.0	63.5	70.0
	Male	68.4	73.0	71.6	76.0	57.1	62.0	55.3	59.0	53.7	54.0	61.5	67.5
	Female	75.0	80.0	77.2	81.0	66.4	74.0	62.5	67.0	62.0	67.0	65.6	73.0
2009	**Total**	71.9	76.0	74.3	78.0	61.8	67.0	60.0	64.0	57.6	59.0	66.7	74.0
	Male	69.3	73.0	71.6	75.0	58.6	63.0	56.9	60.0	54.2	54.0	63.6	69.0
	Female	74.8	80.0	77.2	81.0	65.7	72.0	63.4	68.0	61.8	66.0	70.1	77.0
2010	**Total**	72.1	77.0	74.8	79.0	62.4	68.0	62.6	65.0	57.0	58.0	65.7	71.0
	Male	69.1	73.0	72.1	75.0	58.3	63.0	60.5	63.0	52.7	53.0	64.2	70.0
	Female	75.4	80.0	77.7	82.0	67.4	74.0	65.3	69.0	62.6	65.0	67.4	74.0
2011	**Total**	72.8	77.0	75.3	79.0	63.6	68.0	63.6	66.0	58.4	60.0	68.2	72.0
	Male	69.7	73.0	72.5	76.0	59.8	63.0	61.0	64.0	54.4	54.0	65.6	69.0
	Female	76.2	81.0	78.3	82.0	68.5	75.0	66.6	69.0	63.2	67.0	70.8	75.0
2012	**Total**	72.7	77.0	75.2	78.8	63.8	68.8	62.6	65.9	57.8	59.8	68.6	73.1
	Male	69.9	73.7	72.6	75.9	60.7	64.3	59.6	63.2	54.3	55.5	64.2	68.7
	Female	75.9	80.6	78.1	82.1	67.8	74.7	66.0	69.6	62.0	65.0	72.3	78.5
2013	**Total**	72.5	77.0	75.2	79.0	64.3	69.0	63.1	66.0	58.3	60.0	70.9	76.0
	Male	69.6	74.0	72.6	76.0	60.6	64.0	59.5	63.0	54.7	55.0	68.4	73.0
	Female	75.8	81.0	78.0	82.0	68.6	75.0	67.7	73.0	63.1	67.0	73.3	78.0

Notes: Average age at death = the arithmetic mean of the ages of Arizonans who died in a given year; Median age at death = the middle of the age distribution: half died at age greater than the median and half at age below the median; The mean is lower than the median in negatively skewed distributions.

TABLE 2D-2
PERCENT OF DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED
BY GENDER AND RACE/ETHNICITY, ARIZONA, 2003-2013

Year/gender	All race/ethnic groups	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
2003 Total	50.8	46.1	70.0	70.6	78.4	65.7
Male	59.0	54.2	76.8	79.1	84.4	66.7
Female	41.7	37.4	61.0	60.4	70.5	65.0
2004 Total	53.0	48.3	71,5	74.3	80.3	64.3
Male	61.0	56.4	78.3	81.9	85.9	69.0
Female	44.1	39.9	62.4	65.2	73.3	60.0
2005 Total	52.7	47.9	71.3	75.1	78.4	65.1
Male	60.8	56.2	76.9	83.3	83.3	64.5
Female	43.7	39.2	63.3	65.8	72.2	65.7
2006 Total	52.7	48.2	70.8	73.9	77.4	61.0
Male	61.0	56.2	78.4	80.9	82.9	61.0
Female	43.7	40.1	60.0	63.7	69.8	61.0
2007 Total	52.6	47.7	71.6	73.3	75.8	64.9
Male	61.5	56.4	79.2	82.6	82.0	73.8
Female	42.9	38.5	61.3	62.1	67.5	57.4
2008 Total	52.4	48.0	67.6	74.7	76.5	66.4
Male	60.0	55.4	75.4	81.6	82.6	68.7
Female	43.9	40.0	57.6	66.4	68.6	63.9
2009 Total	52.5	48.0	68.0	73.0	76.4	60.6
Male	59.9	55.4	74.4	79.3	81.1	66.8
Female	44.5	40.1	60.1	66.1	70.6	53.9
2010 Total	54.5	49.9	68.7	73.4	79.6	65.1
Male	62.4	57.8	76.2	78.4	85.3	69.0
Female	45.8	41.5	59.5	67.4	71.9	60.7
2011 Total	53.8	49.6	67.4	74.4	77.7	66.3
Male	61.8	57.5	75.4	80.7	84.3	71.3
Female	45.1	41.2	57.3	67.1	70.0	61.5
2012[a] Total	55.0	50.9	68.4	74.4	78.7	62.3
Male	62.3	58.1	75.7	81.6	83.9	74.2
Female	46.7	43.0	59.1	66.1	72.2	51.9
2013 Total	54.6	50.1	67.1	72.8	76.7	58.9
Male	62.0	57.5	75.0	80.8	82.7	65.0
Female	46.2	42.1	57.7	62.4	68.9	53.2

Note: [a] Based on updated expected years of life at birth for all U.S. residents (78.7 years in 2011).

TABLE 2D-3
MEDIAN AGE AT DEATH FOR LEADING CAUSES OF MORTALITY BY GENDER, RACE/ETHNICITY, AND URBAN/RURAL AREAS[a], ARIZONA, 2013

	ARIZONA			Area/gender						Race/ethnicity				
	Total	Male	Female	Total Urban	Urban Male	Urban Female	Total Rural	Rural Male	Rural Female	White Non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Total, all causes	77.0	74.0	81.0	77.0	73.0	81.0	75.0	72.0	78.0	78.0	69.0	66.0	59.0	75.0
Major cardiovascular diseases	81.0	77.0	85.0	82.0	78.0	85.0	79.0	76.0	84.0	82.0	77.0	70.0	74.0	77.5
Diseases of heart	81.0	77.0	85.0	81.0	77.0	85.0	79.0	75.0	84.0	82.0	75.0	69.0	74.0	78.0
Coronary heart disease	80.0	76.0	85.0	81.0	77.0	85.0	78.0	75.0	83.0	81.0	76.0	71.0	74.0	77.5
Malignant neoplasms	72.0	72.0	72.0	72.0	72.0	73.0	72.0	73.0	72.0	73.0	68.0	67.0	68.0	72.0
Lung cancer	73.0	72.0	73.0	73.0	72.0	74.0	73.0	73.0	73.0	73.0	74.0	69.0	77.5	76.0
Prostate cancer	81.0	81.0	NA	81.0	81.0	NA	81.0	81.0	NA	82.0	79.0	71.5	76.0	78.5
Breast cancer	69.0	70.0	69.0	69.0	70.0	68.0	69.0	0.0	69.0	70.0	62.0	61.0	62.0	56.5
Colorectal cancer	72.0	70.0	75.0	72.0	71.0	74.0	72.0	69.0	76.0	74.0	64.0	64.0	69.0	76.0
Malignant melanoma of skin	72.0	72.0	72.0	73.0	73.5	72.5	72.0	72.0	71.0	72.0	85.0	55.0	0.0	0.0
Cerebrovascular diseases	82.0	78.0	84.0	82.0	79.0	85.0	82.0	79.0	84.5	84.0	79.0	72.0	74.0	76.5
Chronic lower respiratory diseases	78.0	78.0	79.0	79.0	78.0	80.0	77.0	77.0	78.0	79.0	77.0	71.0	80.0	78.5
Accidents (unintentional injuries)	54.0	51.0	62.0	55.0	51.0	64.0	55.0	51.0	62.0	60.0	44.0	46.5	41.0	67.0
Motor vehicle accidents	45.0	45.0	44.0	44.0	43.5	45.0	45.0	44.0	48.0	52.0	35.5	30.0	30.0	63.5
Falls	85.0	81.0	88.0	86.0	82.0	88.0	84.0	81.0	86.0	86.0	82.0	89.0	55.0	81.0
Accidental poisoning	44.0	42.0	47.0	44.0	42.0	47.0	44.0	42.0	47.0	46.0	40.0	48.0	41.0	29.0
Accidental drowning	36.0	36.0	26.0	29.0	35.0	24.0	47.0	39.0	47.0	47.0	17.0	28.5	30.5	15.0
Influenza and pneumonia	83.0	82.0	85.0	83.0	82.0	85.0	83.0	81.5	84.0	84.0	79.0	81.0	75.5	84.5
Alzheimer's disease	87.0	86.0	88.0	87.0	86.0	88.0	86.0	84.0	87.0	87.0	86.0	84.0	81.0	87.5
Diabetes	71.0	70.0	74.0	71.0	70.0	72.0	72.0	70.0	75.0	73.0	70.0	66.0	62.5	69.0
Intentional self-harm (suicide)	48.0	48.0	49.0	48.0	48.0	49.0	49.0	50.0	46.0	52.0	35.0	29.0	27.0	44.0
Chronic liver disease and cirrhosis	58.0	59.0	58.0	59.0	59.0	58.0	58.0	58.0	57.0	60.5	58.0	57.0	49.0	63.0
Nephritis, nephrotic syndrome and nephrosis	80.0	79.0	82.0	81.0	81.0	82.0	79.0	76.5	82.0	82.0	69.0	75.0	70.0	83.0
Septicemia	76.0	76.0	76.0	76.0	76.0	76.0	74.0	73.0	80.0	77.0	75.0	83.0	67.5	71.0
Assault (homicide)	33.0	33.0	36.0	32.0	31.0	36.0	36.0	35.5	38.0	43.5	25.0	30.5	31.0	41.0
Parkinson's disease	82.0	82.0	83.0	83.0	82.0	83.0	82.0	82.0	82.0	83.0	83.0	73.5	80.5	77.0
Essential (primary) hypertension and hypertensive renal disease	81.0	78.0	83.0	81.0	79.0	83.0	78.5	75.0	81.0	83.0	78.0	72.5	68.0	76.0
Human immunodeficiency virus (HIV) disease	49.0	48.0	56.0	49.0	47.5	54.0	49.0	49.0	47.0	53.0	46.5	49.5	48.0	0.0
INJURY BY FIREARMS	45.0	45.0	49.0	43.0	43.0	44.0	53.0	52.0	54.0	52.0	28.5	29.0	37.0	40.0
DRUG-INDUCED DEATHS	47.0	45.0	48.0	47.0	45.0	48.0	47.0	44.0	48.5	48.0	41.0	47.5	39.0	29.0
ALCOHOL-INDUCED DEATHS	56.0	56.0	53.0	57.0	57.0	53.0	53.0	54.0	51.0	58.0	55.0	61.0	47.0	53.0

Notes: [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; median age at death = the middle of the age distribution: half died at age greater than the median and half at age below the median.

TABLE 2D-4
PERCENT DEATHS BEFORE EXPECTED[a] YEARS OF LIFE REACHED FOR THE LEADING CAUSES OF MORTALITY BY GENDER, RACE/ETHNICITY, AND URBAN/RURAL AREAS[b], ARIZONA, 2013

	ARIZONA			Area/gender						Race/ethnicity				
	Total	Male	Female	Total Urban	Urban Male	Urban Female	Total Rural	Rural Male	Rural Female	White Non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
Total, all causes	54.6%	62.0%	46.2%	53.0%	60.8%	44.6%	57.7%	64.4%	49.7%	50.1%	67.1%	72.8%	76.7%	58.9%
Major cardiovascular diseases	43.2%	53.1%	31.6%	41.4%	51.4%	30.2%	46.4%	56.3%	34.0%	39.5%	53.8%	68.1%	61.2%	52.4%
Diseases of heart	44.1%	53.7%	31.4%	42.2%	51.9%	29.9%	47.4%	57.1%	34.0%	40.5%	55.3%	69.0%	60.2%	51.5%
Coronary heart disease	45.3%	55.3%	31.1%	42.7%	53.0%	28.8%	51.2%	60.0%	37.4%	42.0%	55.2%	67.4%	59.5%	52.6%
Malignant neoplasms	66.8%	67.4%	66.2%	65.9%	66.9%	64.8%	69.0%	67.7%	70.6%	64.8%	74.4%	78.6%	72.4%	66.9%
Lung cancer	68.6%	70.4%	66.6%	67.0%	69.8%	63.9%	73.0%	71.1%	75.2%	68.6%	62.2%	83.1%	55.6%	61.3%
Prostate cancer	41.3%	41.2%	100.0%	41.9%	41.8%	100.0%	38.6%	38.6%	0.0%	38.7%	46.6%	72.2%	53.8%	50.0%
Breast cancer	72.1%	77.8%	72.0%	70.5%	77.8%	70.4%	78.4%	0.0%	78.4%	68.7%	84.6%	73.9%	88.2%	91.7%
Colorectal cancer	62.6%	67.1%	57.9%	62.4%	65.2%	59.4%	62.2%	70.4%	54.1%	60.5%	68.9%	79.5%	69.6%	50.0%
Malignant melanoma of skin	63.5%	63.4%	63.6%	60.7%	58.8%	63.6%	66.7%	71.4%	57.9%	63.6%	14.3%	100.0%	0.0%	0.0%
Cerebrovascular diseases	38.5%	49.3%	30.4%	37.5%	49.0%	29.4%	38.8%	49.1%	30.6%	33.6%	48.8%	64.4%	65.1%	55.0%
Chronic lower respiratory diseases	49.5%	52.0%	47.2%	47.9%	50.5%	45.6%	54.3%	55.9%	52.6%	48.7%	53.8%	70.7%	40.7%	50.0%
Accidents (unintentional injuries)	75.4%	82.7%	63.2%	73.0%	81.3%	60.0%	77.6%	85.2%	65.3%	68.5%	86.2%	86.2%	92.3%	76.2%
Motor vehicle accidents	93.6%	94.8%	91.0%	93.1%	94.2%	90.4%	94.5%	97.0%	89.2%	90.4%	98.0%	100.0%	95.8%	90.0%
Falls	29.5%	41.0%	19.4%	29.4%	41.3%	19.0%	25.8%	37.7%	15.9%	26.4%	40.2%	27.3%	60.0%	42.9%
Accidental poisoning	98.7%	98.9%	98.4%	99.1%	98.9%	99.3%	97.6%	99.2%	94.8%	98.4%	99.4%	100.0%	100.0%	100.0%
Accidental drowning	94.9%	98.2%	87.0%	93.4%	97.6%	84.2%	100.0%	100.0%	100.0%	90.2%	100.0%	100.0%	100.0%	100.0%
Influenza and pneumonia	34.4%	40.1%	28.8%	34.7%	40.0%	29.5%	34.4%	41.3%	27.8%	31.2%	45.7%	40.0%	54.3%	25.0%
Alzheimer's disease	14.5%	19.2%	12.2%	13.9%	18.1%	11.9%	19.7%	27.7%	15.5%	14.3%	14.3%	19.1%	24.0%	22.2%
Diabetes	67.2%	71.6%	61.3%	66.9%	70.8%	62.0%	68.6%	73.5%	60.6%	62.8%	71.8%	74.8%	83.1%	62.5%
Intentional self-harm (suicide)	92.6%	91.6%	96.2%	92.1%	91.4%	94.8%	94.0%	92.1%	100.0%	90.4%	99.3%	100.0%	100.0%	100.0%
Chronic liver disease and cirrhosis	91.6%	94.2%	87.5%	90.5%	93.6%	85.6%	95.2%	97.6%	91.4%	89.4%	91.3%	93.3%	100.0%	100.0%
Nephritis, nephrotic syndrome and nephrosis	43.8%	47.8%	39.7%	39.7%	41.8%	38.0%	48.7%	53.6%	42.6%	36.4%	69.8%	58.8%	67.7%	16.7%
Septicemia	55.6%	55.7%	55.6%	56.5%	54.5%	58.6%	54.9%	63.0%	46.7%	52.3%	61.4%	33.3%	83.3%	100.0%
Assault (homicide)	96.5%	96.9%	95.2%	97.4%	98.4%	93.8%	100.0%	100.0%	100.0%	92.3%	100.0%	100.0%	100.0%	100.0%
Parkinson's disease	28.3%	29.0%	27.0%	28.3%	29.4%	26.4%	27.9%	27.3%	29.4%	26.3%	35.5%	60.0%	33.3%	50.0%
Essential (primary) hypertension and hypertensive renal disease	42.0%	50.3%	34.7%	40.5%	48.2%	33.8%	49.0%	59.2%	38.8%	37.0%	49.0%	67.6%	68.0%	52.4%
Human immunodeficiency virus (HIV) disease	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%
INJURY BY FIREARMS	91.9%	91.5%	94.0%	91.6%	91.4%	92.4%	94.3%	93.2%	100.0%	88.5%	99.4%	100.0%	100.0%	100.0%
DRUG-INDUCED DEATHS	97.2%	97.4%	96.9%	97.4%	97.6%	97.1%	95.7%	95.8%	95.7%	96.4%	99.4%	100.0%	100.0%	100.0%
ALCOHOL-INDUCED DEATHS	96.1%	95.7%	96.9%	95.5%	95.2%	96.2%	97.9%	97.6%	98.8%	94.5%	96.6%	100.0%	100.0%	100.0%

Notes: [a] Expected years of life at birth for all U.S. residents (78.7 years in 2011); [b] Urban = Maricopa, Pima, Pinal, and Yuma counties.

CHAPTER 3

REPORTABLE DISEASES, ARIZONA, 2003-2013

3A. NON-SEXUALLY TRANSMITTED DISEASES

3B. SEXUALLY TRANSMITTED DISEASES

3C. HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE AND ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)



3A.

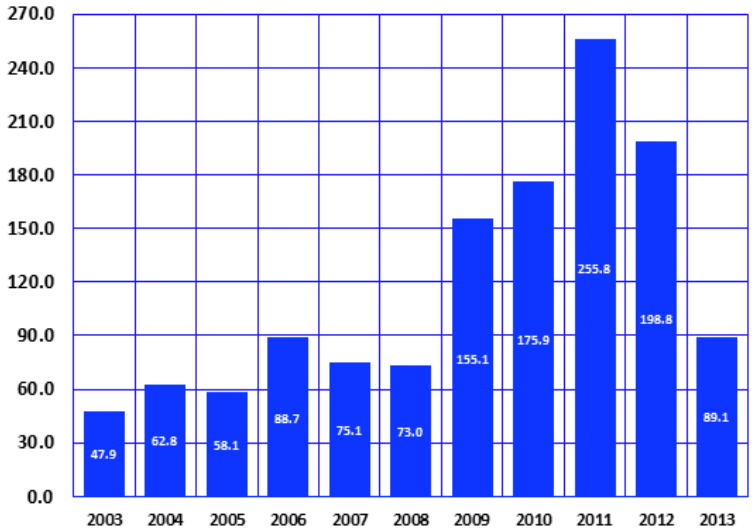
NON-SEXUALLY TRANSMITTED DISEASES

The infectious diseases designated as notifiable vary slightly by state. A notifiable disease is one for which regular, frequent, and timely information regarding individual cases is considered necessary for the prevention and control of the disease. All states generally report the internationally quarantinable diseases (i.e., cholera or plague) in compliance with the World Health Organization's International Health Regulations.

Data on morbidity, levels of disease, and disability in the Arizona population are obtained for certain infectious diseases that must be reported by law. The Bureau of Epidemiology and Disease Control Services conducts surveillance and monitoring of these reportable diseases and it provided data for the respective sections of this chapter and sections 5F, 6A, and 6B.

This section provides some illustrative findings from the tabulated data. It is not intended to be an exhaustive analysis of the incidence of infectious diseases in the State. There is more information available online on the website of the Office of Infectious Disease Services at http://www.azdhs.gov/phs/oids/data_reports.htm

Figure 3A-1
Trends in the Incidence Rates[a] of Valley Fever (Coccidioidomycosis) by Year, Arizona, 2003-2013

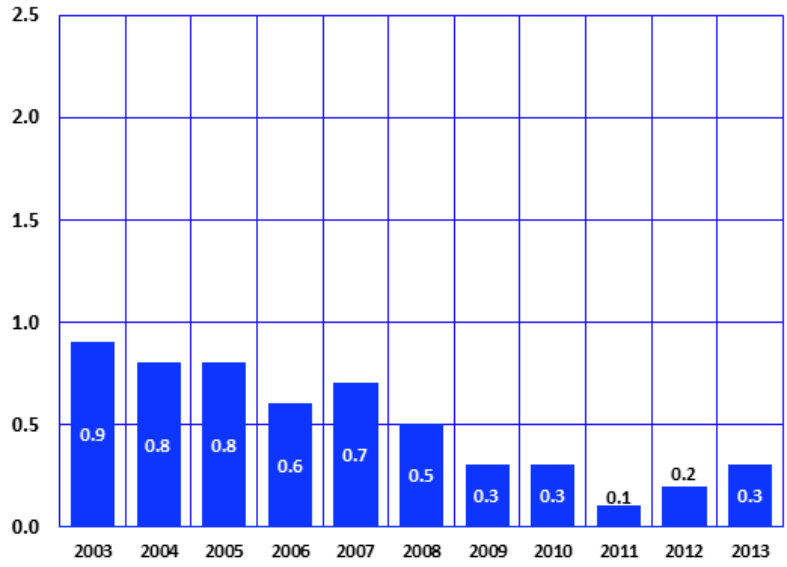


Note: [a] Number of cases per 100,000 population.

Coccidioidomycosis or *Valley Fever* is a fungal infection caused by inhalation of airborne spores that are present in the soil of southwestern United States, California, and parts of Central and South America. Most infections are asymptomatic or self-limited in patients with healthy immune systems. In rare instances, severe lung disease or disseminated infection can develop in patients.

Valley Fever imposed the greatest burden on morbidity among all non-sexually transmitted, notifiable diseases in Arizona in 2013. The reported incidence of Valley Fever decreased 54.6 percent from 2012 (n = 12,920) to 2013 (n = 5,861). The 2013 incidence rate of 89.1/100,000 (**Figure 3A-1, Table 5F-2**) was 86.0 percent greater than the incidence rate of 47.9/100,000 in 2003, but was 65.2 percent lower than the incidence rate of 255.8/100,000 in 2011.

Figure 3A-2
Trends in Case Fatality Rates[a] for Valley Fever (Coccidioidomycosis) by Year, Arizona, 2003-2013



Note: [a] Number of deaths per 100 reported cases.

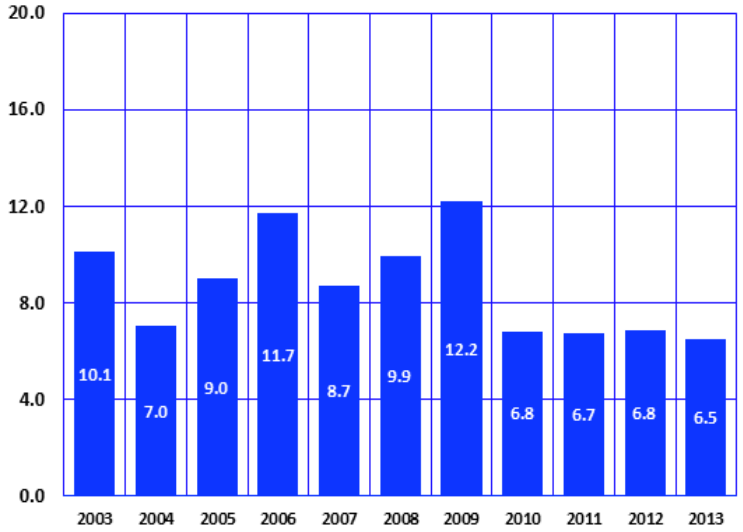
Nineteen of the 5,861 Arizonans who had *Valley Fever* in 2013 died from it (**Table 3A-2)** for a case fatality rate of 0.3 deaths per 100 cases (**Figure 3A-2**). The 2013 case mortality rate for Coccidioidomycosis was 66.6 percent lower in 2013 than in 2003.

Shigellosis is an infectious disease caused by a group of bacteria called *Shigella* that can cause diarrhea in humans. To spread from one person to another, *Shigellae* can be transmitted through contaminated foods, sexual contact, and water used for drinking or recreational purposes.

From 2003 – 2013, *shigellosis* was the third most common enteric disease to afflict Arizonans after *campylobacteriosis* and *salmonellosis* (**Table 3A-1**).

The number of reported cases of *shigellosis* in 2013 was 428, similar to the number of cases observed in 2012 (n = 444). The incidence rate of *shigellosis* in 2013, 6.5 cases per 100,000, was fairly consistent with rates observed over the past three years (**Figure 3A-3**).

Figure 3A-3
Trends in the Incidence Rates[a] of Shigellosis by Year, Arizona, 2003-2013



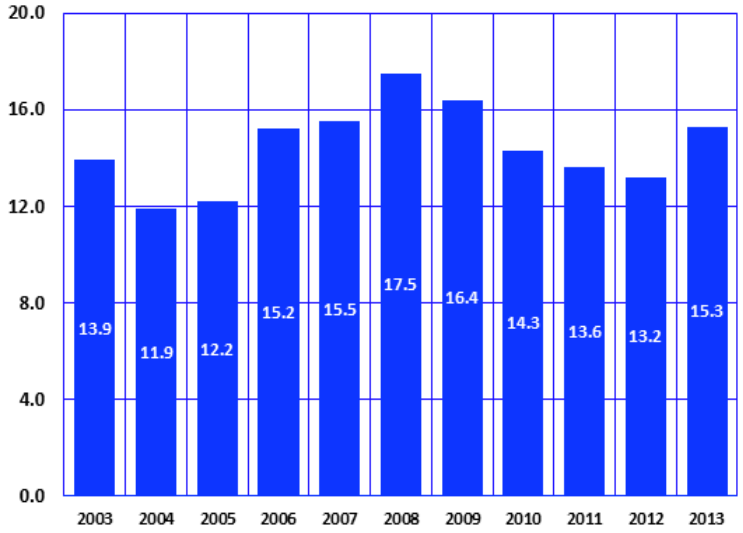
Note: [a] Number of reported cases per 100,000 population.

Salmonellosis is a bacterial infection. Most of those who are infected with *Salmonella* develop diarrhea, fever, and abdominal cramps.

The incidence rate of *salmonellosis* increased 15.9 percent from 13.2/100,000 in 2012 to 15.3/100,000 in 2013 (**Figure 3A-4**). The risk of *salmonellosis* was substantially higher in Graham (42.2/100,000), Greenlee (36.7/100,000), and Apache (34.6/100,000) counties (**Table 5F-2**).

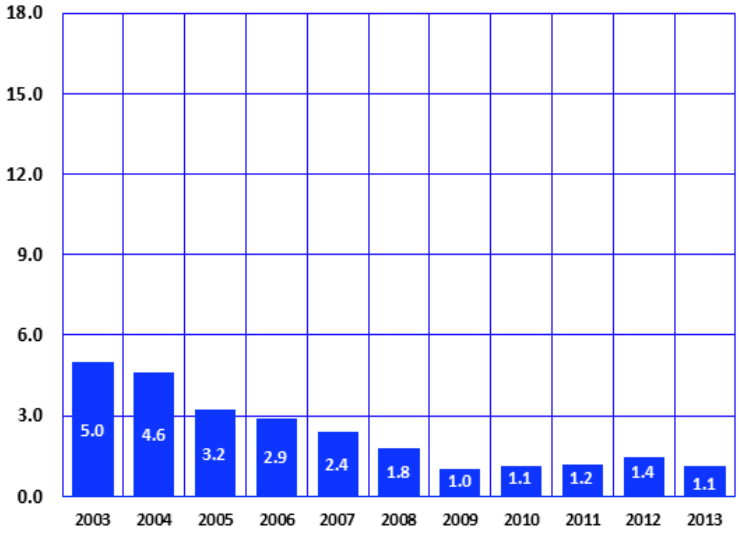
There were no Arizona residents who died from *salmonellosis* in 2013 (**Table 3A-2**).

Figure 3A-4
Trends in the Incidence Rates[a] of Salmonellosis[b] by Year, Arizona, 2003-2013



Notes: [a] Number of reported cases per 100,000 population; [b] Excluding S. Typhi and S. Paratyphi.

Figure 3A-5
Trends in the Incidence Rates[a] of Hepatitis A by Year, Arizona, 2003-2013

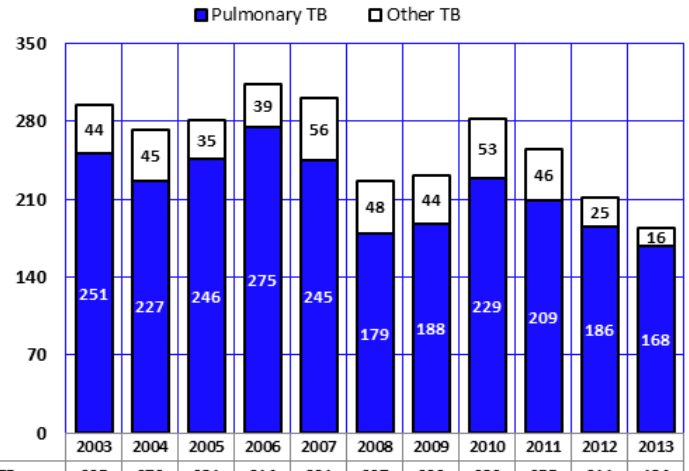


Note: [a] Number of reported cases per 100,000 population.

Hepatitis A is a liver disease caused by the *hepatitis A* virus. During 1995-1996, highly effective *hepatitis A* vaccines became available in the United States. Routine childhood vaccination for *hepatitis A* was recommended in 1999. The expansion of recommendations for routine *hepatitis A* vaccination to include all children in the United States aged 12-23 months is likely to reduce hepatitis rates further.

In Arizona, the incidence rate of *hepatitis A* decreased by 78.0 percent from 5.0/100,000 in 2003 to 1.1/100,000 in 2013 (**Figure 3A-5**).

Figure 3A-6
Trends in the Incidence of Pulmonary Tuberculosis and Total Tuberculosis[a] by Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total TB	295	272	281	314	301	227	232	282	255	211	184
Other TB	44	45	35	39	56	48	44	53	46	25	16
Pulmonary TB	251	227	246	275	245	179	188	229	209	186	168

Note: [a] Number of reported cases by year.

Tuberculosis (TB) is an infectious disease that usually attacks the lungs, but can attack almost any part of the body. Tuberculosis is spread from person to person through the air.

The number of reported cases of *pulmonary tuberculosis* decreased from 186 reported cases in 2012 to 168 cases in 2013. The number of reported cases of tuberculosis other than pulmonary decreased from 25 in 2012 to 16 in 2013 (**Figure 3A-6, Table 3A-1**). The incidence rate of *total* tuberculosis decreased 3.2/100,000 in 2012 to 2.8/100,000 in 2013 (**Table 5F-2**).

Pulmonary tuberculosis accounted for 85.1 percent of all tuberculosis infections in 2013 (**Table 3A-1**). Fifteen Arizonans who had *tuberculosis* died from it in 2013 (**Table 3A-2**).

TABLE 3A-1
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY, ARIZONA, 2003-2013

Disease	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Vaccine Preventable											
Measles	*	0	*	0	*	18	0	*	*	*	*
Mumps	*	*	*	40	10	*	10	*	0	*	*
Pertussis	211	278	1,108	508	210	218	277	546	867	1,130	1,440
Pertussis confirmed cases	(128)	(149)	(486)	(36)	(15)	(23)	-79	(95)	-160	-575	1,068
Rubella	0	0	0	0	0	*	0	*	0	0	0
Congenital Rubella Syndrome	0	0	0	0	0	0	0	0	0	0	0
Haemophilus influenzae type b (invasive, age < 5 years)	8	*	*	*	*	*	*	*	*	*	*
Chickenpox	1,620	920	1,537	974	930	778	534	512	660	535	354
Central Nervous System											
Aseptic Meningitis	1,516	734	832	720	632	688	516	733	400	453	343
Meningococcal Disease	34	15	36	16	13	9	15	14	16	6	12
Viral Encephalitis	28	32	26	18	14	8	*	6	6	*	*
Enteritides											
Amebiasis	43	14	20	16	13	11	7	13	21	17	21
Campylobacteriosis	850	795	867	803	962	1,006	877	956	939	940	846
Cholera	*	0	0	0	*	0	0	0	0	0	0
Cryptosporidiosis	6	17	11	29	53	89	34	40	46	47	42
E. coli O157:H7	41	28	35	105	106	69	68	100	126	141	246
Giardiasis	256	176	183	163	192	142	198	167	133	113	115
Salmonellosis (exl. *S*. Typhi & *S*. Paratyphi)	782	694	739	949	997	1,143	1,079	984	877	857	1,007
Salmonella Paratyphi A	*	*	*	*	*	*	*	7	*	0	*
Salmonella Paratyphi B	*	*	6	7	*	10	6	*	7	*	*
Salmonella Paratyphi C	0	0	0	0	*	0	0	0	0	0	0
Shigellosis	566	409	547	729	557	650	806	465	434	444	428
Typhoid Fever	*	*	*	7	7	*	*	6	*	7	12
Mycosis											
Coccidioidomycosis (Valley Fever)	2,695	3,665	3,515	5,535	4,832	4,768	10,233	11,888	16,472	12,920	5,861
Hepatitides											
Hepatitis A	280	267	195	179	152	118	68	62	77	93	73
Hepatitis B (acute)	283	289	375	373	180	163	193	150	185	104	50
Hepatitis C (acute)	7	*	0	0	0	0	0	0	NA	N/A	N/A
Hepatitis D	0	0	*	*	*	0	0	*	0	0	0
Hepatitis E	0	0	0	*	*	0	0	*	0	0	0
Hepatitis non-A non-B	0	0	NA	NA	NA	NA	NA	NA	NA	N/A	N/A
Tuberculosis											
Pulmonary TB	251	227	246	275	245	179	188	229	209	211	168
Total TB	295	272	281	314	301	227	232	282	255	186	184

TABLE 3A-1 (continued)
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY, ARIZONA, 2003-2013

Disease	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Zoonoses/Vector-borne											
Brucellosis	*	*	*	*	*	*	*	9	*	*	*
Colorado Tick Fever	0	0	0	0	0	0	0	*	0	0	0
Dengue	0	0	0	9	8	6	*	10	*	10	*
Erlichiosis	0	0	*	0	0	*	*	0	*	*	*
Hantavirus Pulmonary Syndrome	0	*	*	13	6	*	*	0	*	*	*
Human Rabies	0	0	0	0	0	0	0	0	0	0	0
Lyme Disease	*	13	10	12	*	8	7	*	15	13	32
Malaria	17	16	21	23	12	17	10	28	21	19	33
Plague	0	0	0	0	*	*	0	0	0	0	0
Relapsing Fever, Tick-borne	0	0	0	0	0	0	*	0	*	*	*
Rocky Mountain Spotted Fever	0	*	25	11	10	17	23	17	77	50	63
St. Louis Encephalitis	*	*	*	*	0	0	0	0	0	0	0
Tularemia	*	0	*	*	*	0	0	*	0	0	0
West Nile Virus	12	391	111	148	98	114	21	166	69	135	62
Other											
Botulism	0	*	*	*	*	*	*	0	*	12	*
Legionellosis	21	23	26	38	40	26	49	65	46	44	69
Listeriosis	12	10	13	7	12	8	8	10	8	14	*
Methicillin Resistant *S. aureus* (invasive)	NA	NA	1,432	1,336	1,305	1,417	1,171	1,166	1,196	1,089	1,066
Streptococcal-Group A (invasive)	260	247	303	351	208	204	161	190	206	199	231
Streptococcal-Group B (invasive, age <90 d)	42	47	44	54	59	57	52	45	39	57	35
Streptococcus pneumoniae (invasive)	718	670	726	971	923	1,077	907	823	767	661	786
Reyes Syndrome	0	0	0	0	0	0	0	0	0	0	0
Toxic Shock Syndrome	9	*	*	*	*	*	*	*	*	*	*
Vibrio spp. (except toxogenic *V.cholerae*)	19	8	16	25	11	14	19	18	26	29	19
Vancomycin resist. *Enterococcus* spp.(VRE)	1,013	1,404	1,956	2,683	2,494	NA	NA	N/A	NA	N/A	N/A
Yersiniosis (except *Y. pestis*)	7	6	*	11	8	*	7	*	6	10	9

Notes: * Cell suppressed due to non-zero count less than 6; Non-resident cases have been excluded. Only incident cases are reported. Cases are counted by date reported to public health. Case counts include both probable and confirmed cases unless otherwise indicated. E. coli has included both E. coli O157:H7 and Shiga-toxin positive E.colis since October 2004. Streptococcus pneumoniae was only reportable by laboratories until October 2004. Haemophilus influenzae type B includes all invasive H. influenzae B, not just meningitis, as of 1995. Meningococcal disease includes all invasive disease caused by Neisseria meningitidis, not just meningitis. Animal Rabies cases are not included. Hepatitis D has been reported separately from Hepatitis non-A non-B since 1997. Hepatitis E has been reported separately from Hepatitis non-A non-B beginning in 1998. VRE ceased being reportable beginning in April 2008. In mid-2009, a large laboratory changed its reporting practicies for coccidioidomycosis; reported coccidioidomycosis has been elevated since then.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of Infectious Disease Services.

TABLE 3A-2
NUMBER OF DEATHS FROM SELECTED NOTIFIABLE DISEASES BY CATEGORY AND YEAR, ARIZONA, 2003-2013

ICD-9/ICD-10 codes	Disease	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
VACCINE PREVENTABLE												
055/B05	Measles	0	0	0	0	0	0	0	0	0	0	0
072/B26	Mumps	0	0	0	0	0	0	0	0	0	0	0
033/A37	Whooping cough (pertussis)	*	0	*	0	0	*	*	0	0	0	0
056/B06	Rubella	0	0	0	0	0	0	0	0	0	0	0
052/B01	Chickenpox	*	*	0	0	0	0	*	*	*	*	0
CENTRAL NERVOUS SYSTEM												
047.9/G03.0	Aseptic meningitis	0	0	*	0	0	*	*	0	*	*	0
036/A39	Meningococcal infections	*	0	*	*	0	0	0	*	*	*	*
049.9/A86	Viral encephalitis	0	*	*	*	*	*	*	*	6	*	*
ENTERITIDES (FOODBORNE)												
006/A06	Amebiasis	0	0	0	0	0	0	0	0	0	0	0
007.1/A07.1	Giardiasis	0	0	0	0	0	0	0	0	0	0	0
003/A02	Salmonellosis *(except typhoid)*	*	*	0	*	*	*	0	*	*	0	0
004/A03	Shigellosis	0	0	*	0	0	0	*	*	0	0	*
002/A01	Typhoid	0	0	0	0	0	*	0	0	0	0	0
MYCOSIS												
114/B38	Coccidioidomycosis *(Valley Fever)*	24	28	28	33	36	24	35	39	22	25	19
HEPATITIDES												
070.0-070.1/B15	Hepatitis A	*	*	0	*	*	*	*	*	0	*	*
070.2-070.3/B16	Hepatitis B	12	10	12	21	13	6	*	10	9	12	9
070.4-070.5/ B17-B18	Other viral hepatitis	137	125	151	189	131	176	233	207	209	274	265
070.6-070.9/B19	Unspecified	*	*	*	*	*	*	*	*	0	0	*
TUBERCULOSIS												
010-011/A15-A16	Respiratory TB	9	8	13	13	10	10	8	12	10	*	11
010-018/A15-A19	Total TB	12	11	17	20	12	13	8	15	12	*	15
ZOONOSES/VECTOR-BORNE												
023.9/A23	Brucellosis	0	0	0	0	0	0	0	0	0	0	0
061/A90	Dengue	0	0	0	*	0	0	0	0	0	0	0
071/A82	Human Rabies	0	0	0	0	0	0	0	0	0	0	0
084/B50-B54	Malaria	0	0	0	*	0	0	0	0	0	0	*
020/A20	Plague	0	0	0	0	*	0	0	0	0	*	0
082/A77.0	Rocky Mountain Spotted Fever	*	0	*	0	0	*	*	*	*	0	*
021/A21	Tularemia	0	0	0	0	0	0	0	0	0	0	0
OTHER												
482.8/A48.1	Legionellosis	*	0	0	*	*	0	*	0	*	*	*
027.0/A32	Listeriosis	0	0	0	0	0	0	0	0	0	*	0
331.8/G93.7	Reyes Syndrome	0	0	0	0	0	0	0	0	0	0	0
995.0/A48.3	Toxic Shock Syndrome	*	*	*	*	0	0	0	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6.



3B.

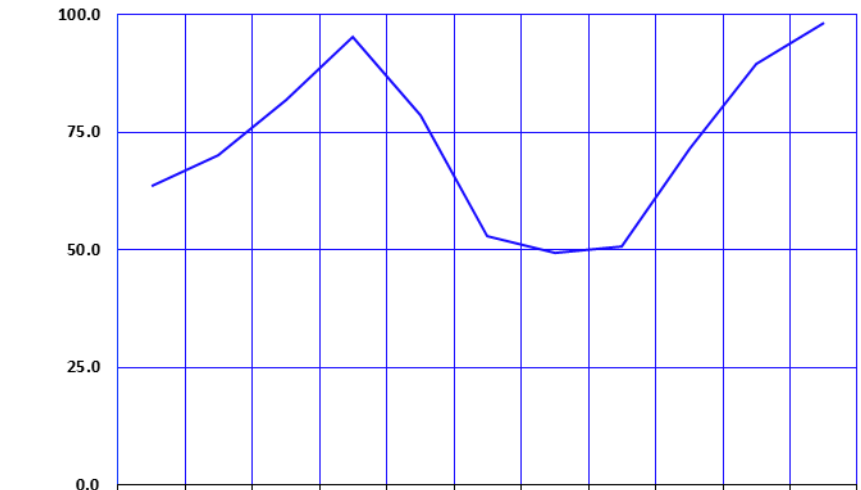
SEXUALLY TRANSMITTED DISEASES

All states require that certain sexually transmitted diseases (STDs) be reported by physicians and other health care providers when they suspect that a case has occurred or they have laboratory confirmation.

It is important to note that disease reporting is likely incomplete and completeness may vary depending on the disease. Moreover, changes in methods for public health surveillance, or implementation of new diagnostic tests can cause changes in disease reporting that are independent of the true incidence of disease.* In this section, rates for STDs were calculated using denominators based on 2013 estimates taken from the CDC.

*Centers for Disease Control and Prevention. Summary of notifiable diseases – United States, 2008. Published June 25, 2010, for 2008; Vol. 57 (No. 54). Available online at http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5754a1.htm

Figure 3B-1
Trends in the Incidence Rates[a] of Gonorrhea by Year, Arizona, 2003-2013



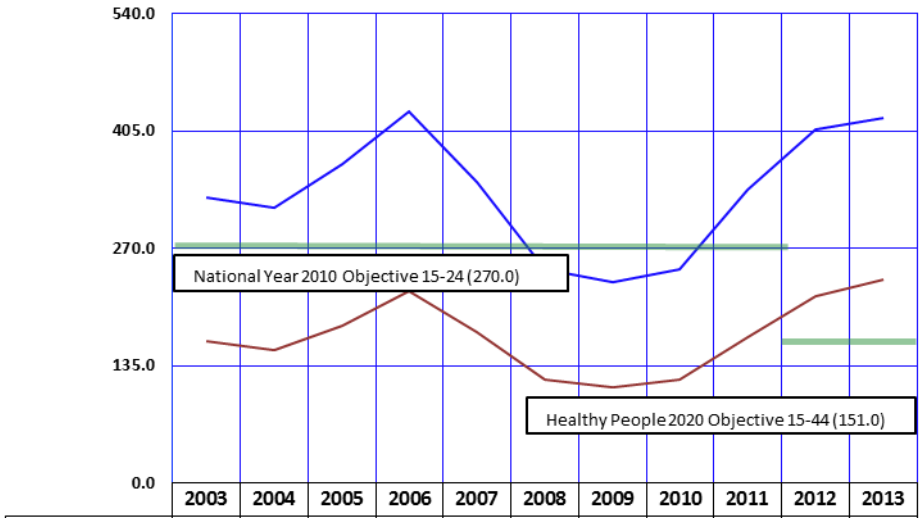
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Rate	63.5	70.1	81.9	95.3	78.7	52.8	49.3	50.8	71.4	89.4	98.2

Note: [a] Number of reported cases per 100,000 population.

Neisseria gonorrhoeae infection is the second most commonly reported notifiable disease in the United States. (**Figure 3B-1**). The 99.2 percent increase in the incidence rate of gonorrhea from 49.3 cases per 100,000 population in 2009 to 98.2/100,000 in 2013 likely resulted from a combination of factors, such as changes in surveillance, increases in the number of tests performed, and actual increases in disease occurrence (**Figure 3B-1**).

The *Healthy People 2010* objective 25-2 defines the target rate for gonorrhea as equal to or lower than 19.1 cases per 100,000 population and was specific to ages 15-24. However, the *Healthy People 2020* target is for ages 15-44 and is set at 151.0/100,000.

Figure 3B-2
Trends in the Incidence Rates[a] of Gonorrhea among Females 15-24 and 15-44 Years, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Rate 15-24	328.2	316.8	366.4	427.1	346.5	245.7	230.8	245.1	337.6	405.9	420.4
Rate 15-44	162.7	153.4	180.3	220.8	173.3	118.7	109.3	118.9	166.8	214.6	233.8

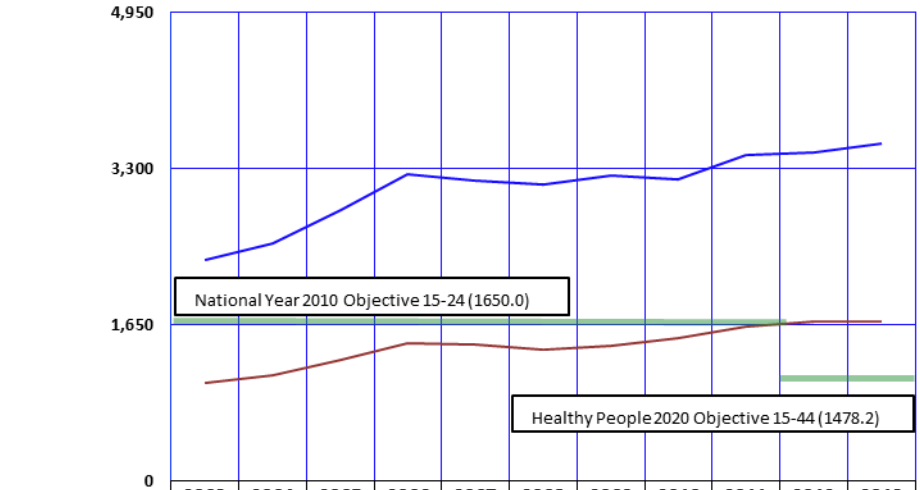
Notes: [a] Number of reported cases per 100,000 females; There was a change in target rate and age range For Healthy People 2020 objective.
In National Year 2010 objective was for females ages 15-24. In Healthy People 2020 objective is for females ages 15-44.

The 2013 incidence rate for gonorrhea was 233.8 per 100,000 for Arizona females age 15-44 years, meaning Arizona's incidence rate was higher than the *Healthy People 2020* objective, and increased 8.4 percent from 2012. Generally, the trend in gonorrhea incidence rates are similar for women age 15-24 and age 15-44, although the overall incidence rate is consistently higher for women age 15-24.

Chlamydia trachomatis is the most prevalent bacterial sexually transmitted disease in the United States (1,422,976 cases in 2012), with the highest rates reported among adolescents and young adults (**Table 3B-4**). Recent availability of sensitive tests for *chlamydia* using DNA amplification technology undoubtedly contributed to the increase in the number of reported cases in Arizona over the last decade (**Figure 3B-3**, **Table 3B-1**).

The incident rate of chlamydia was previously reported for females 15-24 years, however based on changes in *Healthy People 2020*, it would be reported for females 15-44 years. The *Healthy People 2020* goal for chlamydia is set at 1,478.2 per 100,000 females. The incidence rate for Arizona in 2013 was 1,683 per 100,000 for females age 15-44 years (**Table 6A-2**).

Figure 3B-3
Trends in the Incidence Rates[a] of Chlamydia among Females 15-24 and 15-44 Years, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Rate 15-24	2,329	2,513	2,862	3,236	3,166	3,126	3,221	3,180	3,437	3,473	3,565
Rate 15-44	1,038	1,121	1,277	1,451	1,436	1,392	1,434	1,510	1,628	1,688	1,683

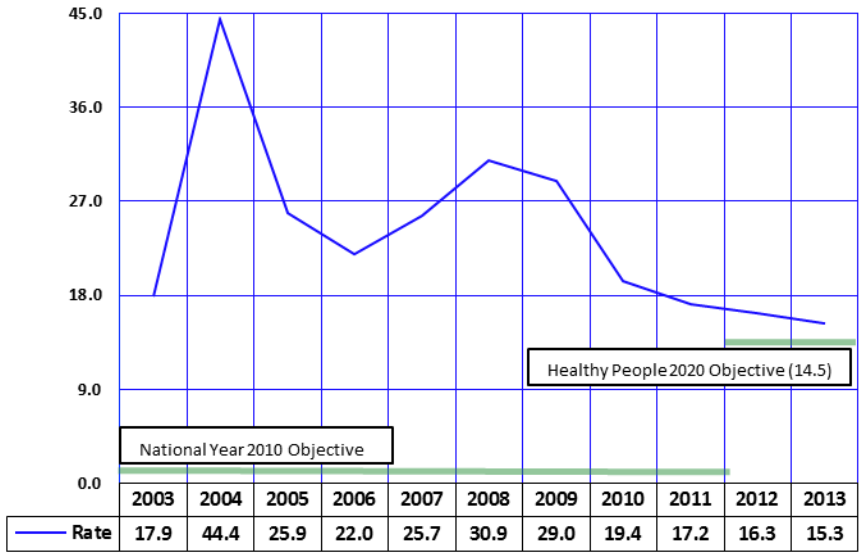
Notes: [a] Number of reported cases per 100,000 females; There was a change in target rate and age range for Healthy People 2020 objective. In National Year 2010 objective was for females ages 15-24. In Healthy People 2020 objective is for females ages 15-44.

Congenital syphilis (CS) is an infection caused by the spirochete *Treponema pallidum*, which can be passed from the mother to child during fetal development or birth. Not all infants born to infected women will be infected.

In 1988, CDC implemented a new CS case definition. It no longer relies on documentation of infection in the infant; rather, it presumes that an infant is infected if it cannot be proven that an infected mother was adequately treated for syphilis before or during pregnancy.

The *Healthy People 2020* goal for congenital syphilis is 14.5/100,000. In Arizona, the incidence rate of CS decreased for a fifth consecutive year from 30.9/100,000 in 2008 to 15.3/100,000 in 2013 (**Figure 3B-4**, **Table 6A-2**).

Figure 3B-4
Trends in the Incidence Rates[a] of Congenital Syphilis by Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Rate	17.9	44.4	25.9	22.0	25.7	30.9	29.0	19.4	17.2	16.3	15.3

Note: [a] Number of reported cases per 100,000 births.

TABLE 3B-1
NUMBER OF REPORTED CASES OF SEXUALLY TRANSMITTED DISEASES BY CATEGORY AND YEAR, ARIZONA, 2003-2013

Disease	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gonorrhea	3,576	4,088	4,951	5,949	5,062	3,449	3,250	3,249	4,564	5,856	6,505
Gonococcal PID[a]	0	15	8	*	*	0	0	0	0	0	0
Resistant Gonorrhea[b]	*	*	*	0	0	0	0	0	0	0	0
Syphilis (P & S)[c]	186	160	175	203	296	317	231	230	274	204	290
Syphilis-Total[d]	1,094	998	789	931	1,242	1,396	1,085	904	907	795	966
Chlamydia	12,785	16,869	21,264	24,090	24,866	24,769	26,002	26,861	29,251	30,571	30,923

Notes: * Cell suppressed due to non-zero count less than 6; [a] PID is pelvic inflammatory disease; [b] Includes PPNG, penicillase producing Neisseria gonorrhea, a form of gonorrhea which is resistant to penicillin; [c] Primary and secondary syphilis only; [d] Early, late, congenital and other; since 2005, the table includes all positive laboratory results for chlamydia and gonorrhea with or without communicable disease report.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV / STD.

TABLE 3B-2
NUMBER OF DEATHS ASSOCIATED WITH SPECIFIED SEXUALLY TRANSMITTED DISEASES BY CATEGORY AND YEAR, ARIZONA, 2003-2013

Disease	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Gonococcal infections	0	0	0	0	0	0	0	0	0	0	0
Syphilis-Total	*	*	0	0	0	*	0	0	*	*	*

Notes: * Cell suppressed due to non-zero count less than 6; Number of deaths associated with Syphilis are still birth (congenital syphilis).

TABLE 3B-3
FREQUENCY OF REPORTED CASES OF GONORRHEA, CHLAMYDIA, AND EARLY SYPHILIS BY AGE AND GENDER, ARIZONA, 2013

Age group	GONORRHEA				CHLAMYDIA				EARLY SYPHILIS			
	Males	Females	Unknown or Transgender	Total	Males	Females	Unknown or Transgender	Total	Males	Females	Unknown or Transgender	Total
0-4	0	*	0	0†	*	*	0	0†	0	0	0	0
5-9	0	*	0	0†	0	0	0	0	0	0	0	0
10-14	9	21	0	30	27	135	0	162	0	0	0	0
15-19	414	702	0	1,116	1,524	6,213	0	7,737	15	6	0	21
20-24	1,059	1,088	0	2,147	3,269	8,960	*	12,231	89	13	0	102
25-29	632	608	0	1,240	1,777	3,677	*	5,456	78	22	0	100
30-34	400	347	0	747	990	1,723	0	2,713	70	8	0	78
35-39	264	183	0	447	444	745	0	1,189	30	*	0	30†
40-44	207	90	0	297	287	403	0	690	46	*	0	50†
45-49	152	57	0	209	194	191	0	385	47	*	0	50†
50-54	122	23	0	145	100	105	0	205	32	*	0	30†
55-59	51	15	0	66	46	42	0	88	18	*	0	20†
60-64	34	*	0	40†	22	12	0	34	7	0	0	7
65-over	14	*	0	20†	17	13	0	30	*	0	0	0†
Total	3,358	3,150†	0	6,510†	8,700†	22,220†	0†	30,920†	440†	60†	0	500†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; since 2005, the table includes all positive laboratory results for chlamydia and gonorrhea with or without communicable disease report.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of HIV / STD.

TABLE 3B-4
RATES[a] OF REPORTED CASES OF GONORRHEA, CHLAMYDIA, AND EARLY SYPHILIS BY AGE AND GENDER, ARIZONA, 2013

Age group	GONORRHEA			CHLAMYDIA			EARLY SYPHILIS		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
0-4	0.0	**	**	**	**	**	0.0	0.0	0.0
5-9	0.0	**	**	0.0	0.0	0.0	0.0	0.0	0.0
10-14	3.9	9.4	6.6	11.6	60.4	35.5	0.0	0.0	0.0
15-19	178.4	321.0	247.5	656.6	2840.6	1716.2	6.5	2.7	4.7
20-24	422.1	465.4	443.0	1302.9	3832.5	2523.4	35.5	5.6	21.0
25-29	275.3	287.0	281.0	774.2	1735.9	1236.2	34.0	10.4	22.7
30-34	177.5	161.3	169.6	439.4	800.7	615.9	31.1	3.7	17.7
35-39	127.8	90.6	109.4	214.9	368.8	291.0	14.5	**	8.3
40-44	97.6	43.0	70.5	135.3	192.7	163.8	21.7	**	11.9
45-49	74.7	28.0	51.3	95.3	93.8	94.6	23.1	**	12.3
50-54	57.8	10.5	33.8	47.4	48.1	47.8	15.2	**	7.7
55-59	26.3	7.1	16.3	23.7	19.8	21.7	9.3	**	4.9
60-64	19.4	**	10.0	12.6	6.1	9.2	4.0	0.0	1.9
65-over	3.0	**	1.6	3.6	2.4	2.9	**	0.0	**
Total	101.9	94.5	98.2	264.0	667.0	466.6	13.2	1.9	7.5

Notes:[a] Number of cases per 100,000 population; table includes all positive laboratory results for chlamydia and gonorrhea with or without communicable disease report in 2013; denominators for unknown or transgender category are not available; rates per 100,000 population.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of HIV / STD.

TABLE 3B-5
FREQUENCY OF REPORTED CASES, PERCENT DISTRIBUTION AND RATES OF EARLY AND LATE SYPHILIS, GONORRHEA, AND CHLAMYDIA BY RACE/ETHNICITY, ARIZONA, 2013

Race/ethnicity	SYPHILIS						GONORRHEA						CHLAMYDIA		
	Early			Late			Resistant			Total					
	Cases	%	Rate	Cases	%	Rate	Cases	%	Rate	Cases	%	Rate	Cases	%	Rate
White Non-Hispanic	202	40.6	5.3	100	22.0	2.6	0	0.0	0.0	1,430	22.0	37.4	5,703	18.4	149.3
Black or African American	59	11.8	19.9	59	13.0	19.9	0	0.0	0.0	1,040	16.0	351.0	2,515	8.1	848.9
Hispanic or Latino	186	37.3	9.3	177	38.9	8.8	0	0.0	0.0	1,859	28.6	92.7	10,386	33.6	518.0
Asian or Pacific Islander	6	1.2	2.7	12	2.6	5.3	0	0.0	0.0	52	0.8	23.2	290	0.9	129.3
American Indian or Alaska Native	27	5.4	9.6	22	4.8	7.9	0	0.0	0.0	629	9.7	224.6	3,244	10.5	1158.2
Not Specified	18	3.6	N/A	85	18.7	N/A	0	0.0	N/A	1,495	23.0	N/A	8,785	28.4	N/A
Total	498	100.0	7.5	455	100.0	6.9	0	0.0	0.0	6,505	100.0	98.2	30,923	100.0	466.6

Notes: Table includes all positive laboratory results for chlamydia and gonorrhea with or without communicable disease report in 2013; rates per 100,000 population.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of HIV / STD.

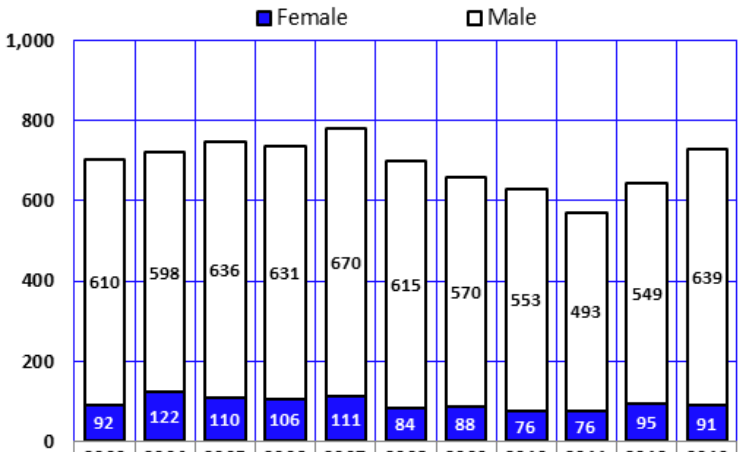


3C.

HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE AND ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)

Statistics about the estimated incidence of Human Immunodeficiency Virus (HIV) disease and Acquired Immunodeficiency Syndrome (AIDS) for 1981-2013, as provided by the Office of HIV, STD, and Hepatitis Services, are available in Tables 3C-1, 3C-2, 3C-3, 3C-4, 3C-5 and 5F-3 of this report. In the past, the cases of persons previously reported as HIV positive and subsequently diagnosed with AIDS were not properly counted since these were not new cases, only a new diagnosis reflecting a progression of the disease. The data presented in this report are based on a revised approach adopted by the Office of HIV/AIDS Services. The estimated incidence of HIV/AIDS includes the sum of new HIV cases and new AIDS cases, which were not diagnosed as HIV positive in any prior calendar year. The cases of persons who were diagnosed with both HIV and AIDS in the same calendar year are counted only as AIDS to avoid double counting.

Figure 3C-1
Reported Cases of HIV/AIDS by Gender and Year of Diagnosis, Arizona, 2003-2013



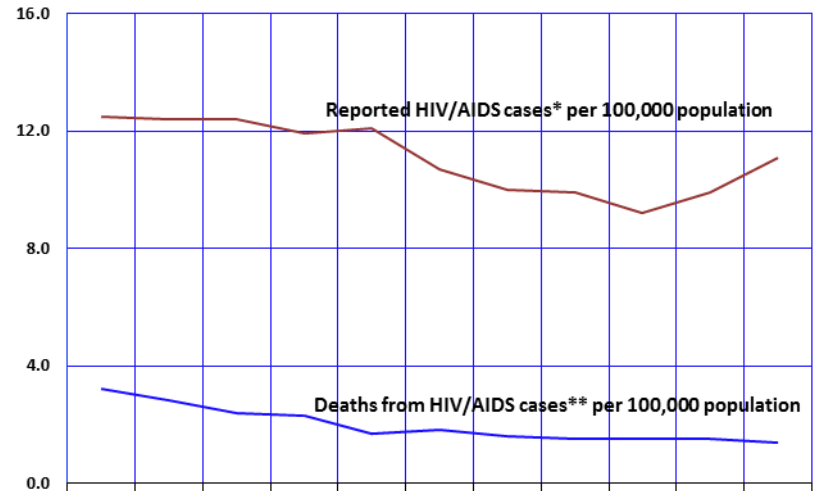
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Male	610	598	636	631	670	615	570	553	493	549	639
Female	92	122	110	106	111	84	88	76	76	95	91

Since the first case of AIDS diagnosed in an Arizona resident in 1981, a total of 20,879 cases of HIV/AIDS had been diagnosed in the State by the end of 2013 and reported by July 1, 2014 (**Table 3C-1**).

In 2013, males accounted for 87.5 percent of all *HIV/AIDS* diagnoses. The male-to-female ratio of *HIV/AIDS* diagnoses in Arizona in 2013 was 7.0:1 (639/91, **Figure 3C-1**, **Table 3C-2**).

The proportion of risk behaviors attributed to emerging cases of HIV/AIDS in 2013 remained similar to previous years. Of the around 730 *HIV/AIDS* cases diagnosed in 2013, 440 were among men who reported sexual contact with other men (**Table 3C-4**). Another 69 reported heterosexual contact. An additional 55 reported only injecting drugs. Adults without an indicated risk accounted for 127 of HIV/AIDS cases diagnosed in 2013.

Figure 3C-2
Trends in the Incidence Rates of HIV/AIDS and Mortality Rates for HIV Disease by Year, Arizona, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Mortality	3.2	2.8	2.4	2.3	1.7	1.8	1.6	1.5	1.5	1.5	1.4
Incidence	12.5	12.4	12.4	11.9	12.1	10.7	10.0	9.9	9.2	9.9	11.1

Notes: *By year of diagnosis; **By year of death.

The incidence rate measures the relative risk for HIV/AIDS in a population. The incidence rate of HIV/AIDS has fallen in Arizona by 11.2 percent from 12.5 cases per 100,000 population in 2003 to 11.1/100,000 in 2013 (**Figure 3C-2**; the incidence rates for 2003 – 2013 have been re-computed based on the latest volume of the HIV/AIDS data as of 7/01/2014).

The rate of deaths from *HIV disease* remained relatively stable at 1.5 deaths per 100,000 population from 2010 – 2012 and 1.4/100,000 in 2013 (**Figure 3C-2**).

Of the around 730 *HIV/AIDS* cases diagnosed in 2013, 298 were White non-Hispanic, 249 were Hispanic, 121 were Black, 50 were American Indian, and 9 were Asian or Pacific Islander (**Table 3C-3**).

TABLE 3C-1
FREQUENCY DISTRIBUTION OF HIV/AIDS BY AGE AT DIAGNOSIS, ARIZONA, 1981-2013

Age Group (years)	HIV/AIDS cases
Under 5	114
5-12	55
13-19	421
20-29	6,066
30-39	7,705
40-49	4,435
50 or above	2,063
Missing	20
Total	20,879

TABLE 3C-2
HIV/AIDS CASES AND DEATHS BY YEAR OF DIAGNOSIS AND GENDER, ARIZONA, 1981-2002 and 2003-2013

	1981-2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
# Males	11,737	611	596	636	630	670	613	572	553	492	543	639
# Females	1,540	91	122	109	106	111	84	88	77	76	92	91
# Total	13,277	702	718	745	736	781	697	660	630	568	635	730
# Presumed Living	6,591	583	591	620	638	698	631	593	589	534	598	710
# Known dead	6,686	119	127	125	98	83	66	67	41	34	37	20
% Mortality	**50.4**	**17.0**	**17.7**	**16.8**	**13.3**	**10.6**	**9.5**	**10.2**	**6.5**	**6.0**	**5.8**	**2.7**

Note: Due to reporting delays, all numbers are provisional (2013 volume as of 6/25/2014).

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/AIDS Services.

TABLE 3C-3
DISTRIBUTION OF REPORTED HIV/AIDS CASES BY YEAR OF DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 1981-2002 AND 2003-2013

Race/ethnicity	1981-2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
White non-Hispanic	8,680	359	339	365	324	364	343	284	314	226	249	298
Black or African American non-Hispanic	1,214	83	90	82	107	81	71	71	57	76	105	121
Hispanic or Latino all races	2,707	217	247	243	258	284	229	244	203	203	212	249
Asian or Pacific Islander non-Hispanic	70	*	9	8	10	15	14	12	12	16	16	9
American Indian or Alaska Native non-Hispanic	381	31	30	41	29	28	30	39	37	43	45	50
Two or more races/ other or unknown race	225	8	*	6	8	9	10	10	7	*	8	*
Total	13,277	700†	720†	745	736	781	697	660	630	570†	635	730†

Note: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Due to reporting delays, all numbers are provisional (2013 volume as of 6/25/2014).

TABLE 3C-4
DISTRIBUTION OF REPORTED HIV/AIDS CASES BY YEAR OF DIAGNOSIS AND TRANSMISSION CATEGORY, ARIZONA, 1981-2002 AND 2003-2013

Transmission	1981-2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
MSM	7,744	436	436	483	472	436	404	353	394	331	372	440
IV Drug User (IDU)	1,835	93	95	93	88	51	66	55	41	54	53	55
MSM/IDU	1,490	72	43	46	43	41	37	34	45	34	27	33
Hemophiliac (Adult)	81	0	*	*	0	0	0	0	0	0	0	0
Heterosexual Contact	1,066	86	109	66	72	75	54	61	66	80	91	69
Transfusion/transplant (Adult)	125	0	0	*	*	0	0	0	0	0	0	0
No indicated risk (Adult)	819	11	29	43	55	172	133	154	82	68	84	127
Pediatric Hemophiliac	17	0	0	0	0	0	0	0	0	0	0	0
Pediatric transfusion/transplant	*	0	0	0	0	0	0	0	0	0	0	0
Mother HIV+	88	*	*	11	*	*	*	*	*	*	6	*
Pediatric (no indicated risk)	9	0	*	0	0	0	0	0	0	0	*	*
Total	13,280†	700†	720†	750†	740†	775†	700†	660†	630†	570†	640†	730†

Note: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Due to reporting delays, all numbers are provisional (2013 volume as of 6/25/2014).

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/AIDS Services.

CHAPTER 4

HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS:

2013 STATUS

4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

4B. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES AND PATIENT CHARACTERISTICS

4C. CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY, DIAGNOSIS GROUP, AND AGE GROUP

4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY



4A.

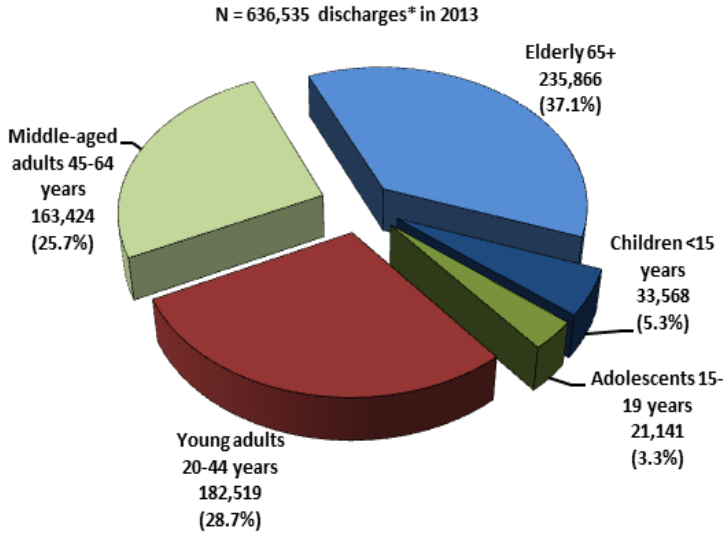
INPATIENT DISCHARGES FROM SHORT STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

An inpatient discharge occurs when a person who was admitted to a hospital leaves that hospital. A person who has been hospitalized more than once in a given calendar year will be counted multiple times as a discharge; thus, the numbers in this report are for discharges, not persons. Federal, military, and Department of Veteran Affairs' hospitals are excluded. Beginning in 2010, the psychiatric hospitals also are required to report to the Arizona Department of Health Services. All discharges are for residents of Arizona. Discharges of out-of-state residents are not included in this report. Discharges of inpatients in this report exclude newborn infants. Diagnostic groupings and code numbers are based on the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).

The change in the Arizona reporting requirements increased the number of diagnoses that are coded for each discharge from nine to twenty five. In this section, discharges are presented by principal diagnosis, which is the first one listed on the discharge summary of the medical record. The number of first-listed diagnoses is the same as the number of discharges. For comparability with the national data*, the discharge rates are presented per 10,000 population. The groupings of ICD-9-CM codes used to identify specific diagnostic categories can be accessed at http://www.azdhs.gov/plan/hip/cat/icd9primary.xls

*Findings of the National Hospital Discharge Survey are available in bound reports of the National Center for Health Statistics and online at http://www.cdc.gov/nchs/nhds.htm

Figure 4A-1
Hospital Inpatient Discharges[a] by Age Group, Arizona Residents, 2013

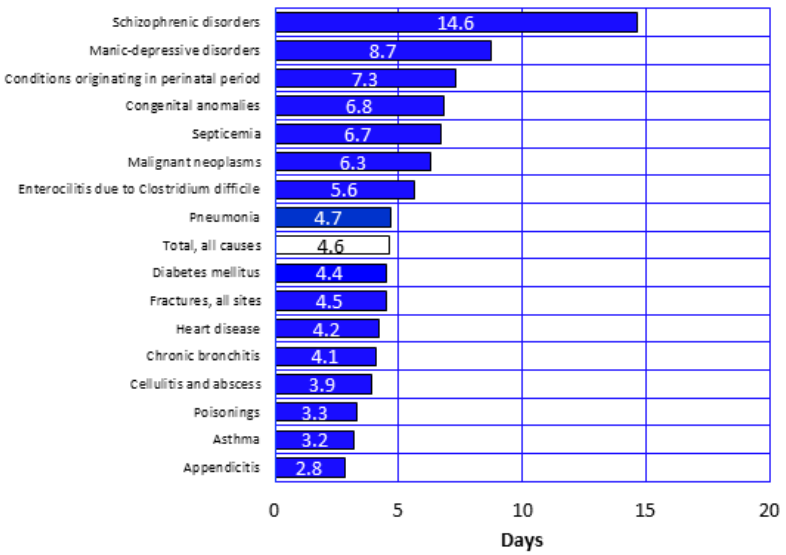


Note: [a] Excluding newborn infants.

In 2013, there were 636,535 inpatients discharged, excluding newborn infants, from non-Federal short stay hospitals in Arizona (**Table 4A-1**). Patients who were elderly (65 years or older) accounted for 37.1 percent of hospital discharges (**Figure 4A-1**), followed by young adults (20-44 years old) who comprised 28.7 percent of discharges, and middle-aged adults 45-64 year olds (25.7 percent of all inpatient discharges)

Diseases of the circulatory system were the most common diagnoses (13.1 percent of all discharges), followed by diseases of the *digestive system* (10.3 percent), and *injury and poisoning* diagnoses (9.7 percent; percentages based on data in **Table 4A-1**).

Figure 4A-2
Average Length of Hospital Stay for Discharges with Selected First-listed Diagnosis, Arizona Residents, 2013



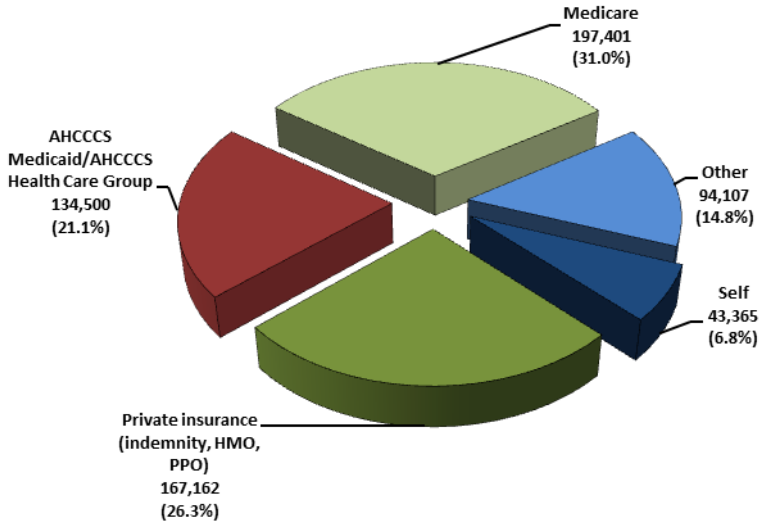
Based on the data from the National Hospital Discharge Survey, the longest continuously running nationally representative survey of hospital utilization, the length of stay for inpatients has changed dramatically from 1970 through 2010. In 1970, the average length of stay was 7.8 days, with one-third of patients hospitalized for 8 days or more. In 2010, the average length of stay nationally was 4.8 days.

In 2013, the average length of hospital stay for Arizona inpatients was 4.6 days (**Figure 4A-2**, **Table 4A-5**). The percent of patients hospitalized for 3 days or less was 59.8 percent, with 14.1 percent of inpatients staying 8 days or more.

The average length of stay was 4.2 days for heart disease, 4.4 days for diabetes, 6.3 days for cancer, and 14.6 days for schizophrenic disorders.

Medicare paid for 31.0 percent of all discharges (**Figure 4A-3**) and 68.1 percent of inpatient discharges of persons aged 65 years or older (**Table 4A-4**). Private insurance was the second most frequently recorded expected source of payment, accounting for 26.3 percent of inpatient discharges. The Arizona Health Care Cost Containment System (AHCCCS; the State's Medicaid Program) accounted for 21.1 percent of hospital inpatient discharges.

Figure 4A-3
Hospital Inpatient Discharges by Payer, Arizona Residents, 2013



Note: The Arizona Health Care Cost Containment System is the State's Medicaid Program.

The rhythm of hospital births by day of the week (see **Figure 1B-14**) reveals that the daily average of resident live births in 2013 was substantially lower on weekends than on weekdays. The same pattern applies to hospital inpatient admissions excluding newborn infants (**Figure 4A-4**).

Figure 4A-4
Percent of Hospital Inpatient Admissions by Day of the Week, Arizona Residents, 2013

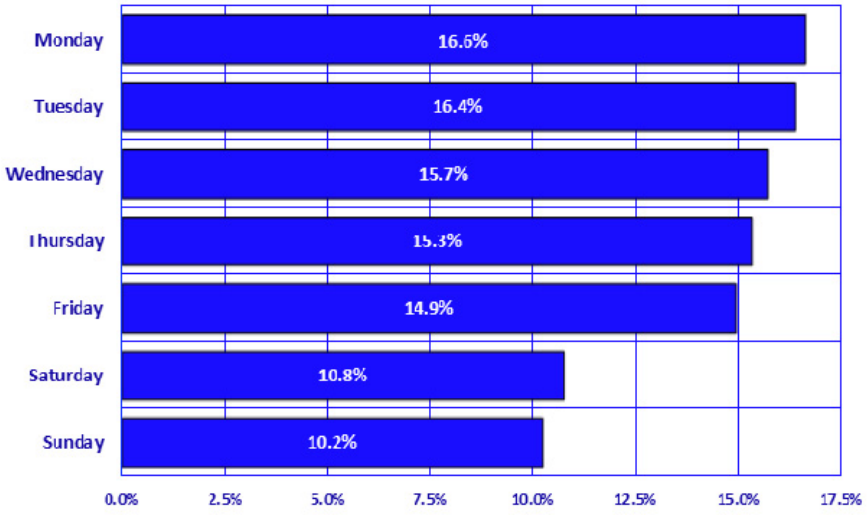
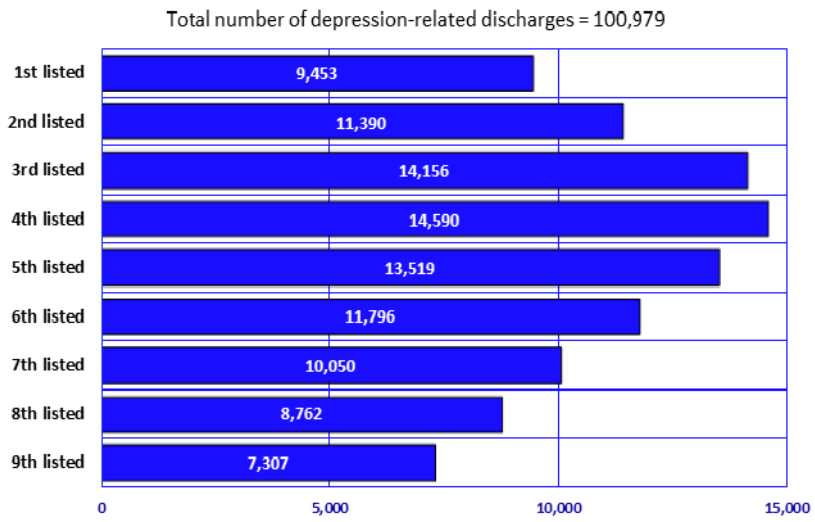


Figure 4A-5
Number of Depression-Related[a] Inpatient Discharges and Emergency Room Visits of Arizona Residents, 2013



Note: [a] ICD-9-CM diagnostic codes 300.4 and 311.

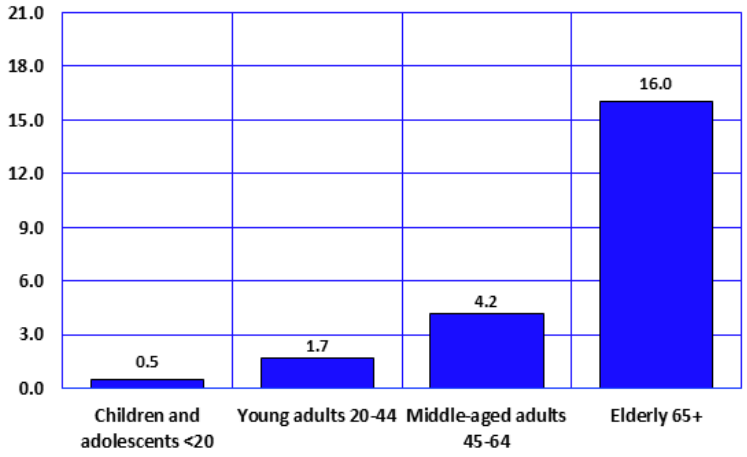
In 2013, the ICD-9-CM diagnostic codes 300.4 and 311 for depression were used on 2,568 inpatient discharge and 6,885 emergency room records as the first-listed diagnosis (for a total of 9,453 hospital encounters; **Figure 4A-5, Table 4A-1, Table 7C-1**).

The extent to which the first-listed diagnosis is the principal reason for hospitalization ought not to be overestimated. More often than not, the first-listed diagnosis is the immediate, but not necessarily the underlying cause of hospitalization.

However, when we count all entries of this code within the nine diagnostic fields, depression was mentioned on 100,979 inpatient discharge and emergency room records. In fact, the depression diagnosis was substantially more frequently present as 2nd – 7th listed on the medical record than it was first-listed (**Figure 4A-5**).

When hospital data is used to estimate the prevalence of depression, it makes sense to include all mentions of this disorder in all diagnostic fields, not just the first one.

Figure 4A-6
Inpatient Hospitalization Rates for Enterocolitis due to *Clostridium difficile* By Age Group, Arizona Residents, 2013



In 2013, 2,701 Arizonans were hospitalized with the diagnosis of enterocolitis due to *Clostridium difficile*, a bacterial inflammation of the intestines (**Table 4A-1**). The disease is of growing public health concern because it is often acquired in hospitals and other health care institutions with long-term patients as residents.

The inpatient hospitalization rates associated with enterocolitis due to *Clostridium difficile* tend to increase with age. The rate for the elderly 65 years or older (16.0/10,000) was 3.8 times greater than the rate of middle-aged adults (**Figure 4A-6**).

In 2013, 189 Arizonans died from enterocolitis due to *Clostridium difficile.* Elderly 65 years or older accounted for 87.3 percent of these deaths (**Table 2C-27**).

TABLE 4A-1
NUMBER OF DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013

Category of first-listed diagnosis	Total	Age group					
		Children <15 years	Adoles-cents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown
All categories	636,535	33,568	21,141	182,519	163,424	235,866	17
Infectious and parasitic diseases	38,238	1,444	544	7,042	11,777	17,431	0
Septicemia	27,444	220	259	4,620	8,453	13,892	0
Enterocolitis due to *Clostridium difficile*	2,701	70	26	362	671	1,572	0
Neoplasms	23,327	431	170	2,972	8,669	11,085	0
Malignant neoplasms	18,226	307	105	1,580	6,709	9,525	0
Large intestine	2,250†	0	*	112	767	1,369	0
Prostate	1,316	0	0	20	636	660	0
Trachea bronchus and lung	2,267	8	8	75	637	1,539	0
Breast	959	0	0	123	456	380	0
Benign neoplasms	4,014	79	51	1,244	1,632	1,008	0
Endocrine nutritional metabolic and immunity diseases	23,524	1,310	569	5,936	8,100	7,609	0
Diabetes mellitus	10,836	414	374	3,339	4,143	2,566	0
Volume depletion	60†	0	*	*	21	39	0
Morbid obesity	2,113	0	11	959	929	214	0
Diseases of the blood and blood forming organs	6,491	687	204	1,366	1,668	2,566	0
Mental disorders	41,195	2,203	4,662	18,353	12,124	3,840	13
Psychoses	34,356	1,902	3,878	15,166	10,212	3,191	7
Alcoholic psychoses	3,958	0	19	1,603	1,951	385	0
Drug psychoses	2,681	15	283	1,623	566	194	0
Schizophrenic disorders	5,398	22	209	3,054	1,906	206	*
Manic-depressive disorders	18,948	1,793	3,089	7,677	5,140	1,244	*
Neurotic disorders	6,839	301	784	3,187	1,912	649	6
Anxiety states	507	16	46	192	134	119	0
Depression	2,568	134	332	1,192	666	243	*
Drug dependence	515	8	124	278	87	17	*
Nondependent abuse of drugs	580†	*	51	307	174	44	*
Alcohol dependence syndrome	960	0	7	383	456	112	*
Diseases of the nervous system	14,977	1,716	597	3,595	4,297	4,772	0
Diseases of the circulatory system	83,100	360	189	5,690	23,996	52,865	0
Heart disease	52,832	164	93	3,232	15,289	34,054	0
Acute myocardial infarction	10,010	0	0	530	3,603	5,877	0
Coronary artherosclerosis	6,661	0	0	182	2,406	4,073	0

TABLE 4A-1 (continued)
NUMBER OF DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013

Category of first-listed diagnosis	Total	Age group					
		Children <15 years	Adoles-cents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown
Other ischemic heart disease	680†	*	*	46	280	348	0
Cardiac dysrythmias	13,591	74	33	776	3,207	9,501	0
Cardiac arrest	173	13	0	17	47	96	0
Congestive heart failure	2,030†	30	*	89	485	1,427	0
Cerebrovascular disease	15,936	52	22	784	4,161	10,917	0
Diseases of the respiratory system	56,042	9,143	735	5,266	13,781	27,116	*
Acute bronchitis and bronchiolitis	4,268	3,231	8	141	262	626	0
Pneumonia	16,698	2,090	221	1,546	3,709	9,132	0
Chronic bronchitis	8,930†	*	*	129	2,891	5,910	0
Asthma	6,062	1,798	156	1,087	1,713	1,308	0
Diseases of the digestive system	65,400	3,012	1,480	15,741	21,239	23,928	0
Appendicitis	4,841	1,062	487	1,767	1,005	520	0
Noninfectious enteritis and colitis	5,524	290	163	1,437	1,559	2,075	0
Diverticula of intestine	5,590†	*	*	815	1,910	2,853	0
Cholelithiasis	7,484	45	225	2,825	2,238	2,151	0
Diseases of the genitourinary system	30,695	1,527	565	6,565	8,329	13,709	0
Calculus of kidney and ureter	3,940	23	88	1,378	1,444	1,007	0
Diseases of the skin and subcutaneous tissue	15,470	1,304	350	4,476	5,096	4,244	0
Cellulitis and abscess	13,576	1,092	277	4,041	4,508	3,658	0
Diseases of the musculoskeletal system	43,614	582	373	4,016	15,710	22,933	0
Osteoarthrosis and allied disorders	22,450†	0	*	416	7,795	14,234	0
Invertebral disc disorders	4,700†	*	20	1,172	2,043	1,459	0
Congenital anomalies	2,419	1,457	119	306	315	222	0
Conditions originating in perinatal period	2,720†	2,713	*	*	0	0	0
Symptoms signs and ill-defined conditions	20,857	1,884	421	3,635	6,929	7,988	0
Injury and poisoning	61,709	2,927	1,992	13,826	17,549	25,412	*
Fractures, all sites	21,101	994	649	3,832	4,572	11,054	0
Fracture of neck of femur	6,415	16	11	111	804	5,473	0
Poisonings	7,045	372	548	2,814	2,382	928	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Excluding newborn infants.

TABLE 4A-2
NUMBER OF DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2013

Category of first-listed diagnosis	Total	Patient's gender		
		Female	Male	Unknown
All categories	636,535	368,452	268,077	6
Infectious and parasitic diseases	38,238	19,645	18,593	0
Septicemia	27,444	14,001	13,443	0
Enterocolitis due to *Clostridium difficile*	2,701	1,714	987	0
Neoplasms	23,327	12,380	10,947	0
Malignant neoplasms	18,226	8,759	9,467	0
Large intestine	2,249	1,054	1,195	0
Prostate	1,316	0	1,316	0
Trachea bronchus and lung	2,267	1,125	1,142	0
Breast	959	950	9	0
Benign neoplasms	4,014	3,051	963	0
Endocrine nutritional metabolic and immunity diseases	23,524	12,254	11,270	0
Diabetes mellitus	10,836	4,599	6,237	0
Volume depletion	64	35	29	0
Morbid obesity	2,113	1,595	518	0
Diseases of the blood and blood forming organs	6,491	3,620	2,871	0
Mental disorders	41,195	20,314	20,879	*
Psychoses	34,356	16,929	17,427	0
Alcoholic psychoses	3,958	1,215	2,743	0
Drug psychoses	2,681	1,105	1,576	0
Schizophrenic disorders	5,398	2,119	3,279	0
Manic-depressive disorders	18,948	10,946	8,002	0
Neurotic disorders	6,839	3,385	3,452	*
Anxiety states	507	305	202	0
Depression	2,568	1,351	1,217	0
Drug dependence	515	206	309	0
Nondependent abuse of drugs	579	215	364	0
Alcohol dependence syndrome	960	311	649	0
Diseases of the nervous system	14,977	8,153	6,824	0
Diseases of the circulatory system	83,100	36,623	46,477	0
Heart disease	52,832	22,189	30,643	0
Acute myocardial infarction	10,010	3,514	6,496	0
Coronary artherosclerosis	6,661	2,095	4,566	0

TABLE 4A-2 (continued)
NUMBER OF DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2013

Category of first-listed diagnosis	Total	Patient's gender		
		Female	Male	Unknown
Other ischemic heart disease	677	268	409	0
Cardiac dysrythmias	13,591	6,434	7,157	0
Cardiac arrest	173	65	108	0
Congestive heart failure	2,032	907	1,125	0
Cerebrovascular disease	15,936	7,824	8,112	0
Diseases of the respiratory system	56,042	28,607	27,434	*
Acute bronchitis and bronchiolitis	4,268	2,021	2,247	0
Pneumonia	16,698	8,500	8,198	0
Chronic bronchitis	8,934	4,817	4,117	0
Asthma	6,062	3,584	2,478	0
Diseases of the digestive system	65,400	35,116	30,284	0
Appendicitis	4,841	2,143	2,698	0
Noninfectious enteritis and colitis	5,524	3,539	1,985	0
Diverticula of intestine	5,585	3,110	2,475	0
Cholelithiasis	7,484	4,813	2,671	0
Diseases of the genitourinary system	30,695	18,350	12,345	0
Calculus of kidney and ureter	3,940	1,918	2,022	0
Diseases of the skin and subcutaneous tissue	15,470	7,045	8,425	0
Cellulitis and abscess	13,576	6,148	7,428	0
Diseases of the musculoskeletal system	43,614	23,555	20,059	0
Osteoarthrosis and allied disorders	22,449	12,937	9,512	0
Invertebral disc disorders	4,698	2,344	2,354	0
Congenital anomalies	2,419	1,110	1,309	0
Conditions originating in perinatal period	2,716	1,153	1,563	0
Symptoms signs and ill-defined conditions	20,857	11,300	9,556	*
Injury and poisoning	61,709	30,585	31,122	*
Fractures, all sites	21,101	11,500	9,600	*
Fracture of neck of femur	6,415	4,293	2,122	0
Poisonings	7,045	3,871	3,174	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Excluding newborn infants.

TABLE 4A-3
NUMBER OF DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2013

Category of first-listed diagnosis	Total	Race/ethnicity						
		American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
Total	636,535	26,372	9,553	31,028	129,662	432,201	1,408	6,311
Infectious and parasitic diseases	38,238	2,118	506	1,772	8,028	25,403	79	332
Septicemia	27,444	1,665	343	1,112	5,579	18,442	63	240
Enterocolitis due to *Clostridium difficile*	2,700†	71	21	111	370	2,117	*	10
Neoplasms	23,327	483	457	1,069	3,649	17,361	48	260
Malignant neoplasms	18,226	363	333	674	2,591	14,047	30	188
Large intestine	2,250†	33	36	86	324	1,747	*	21
Prostate	1,316	8	20	71	136	1,060	10	11
Trachea bronchus and lung	2,270†	25	39	104	184	1,888	*	25
Breast	960†	16	24	31	119	760	*	6
Benign neoplasms	4,014	95	106	345	897	2,494	15	62
Endocrine nutritional metabolic and immunity diseases	23,524	1,539	288	1,450	5,367	14,630	48	202
Diabetes mellitus	10,836	962	95	723	2,846	6,092	25	93
Volume depletion	60†	*	*	*	7	49	0	0
Morbid obesity	2,113	23	11	158	411	1,496	0	14
Diseases of the blood and blood forming organs	6,491	254	106	918	1,285	3,840	15	73
Mental disorders	41,195	1,599	379	2,661	5,842	30,039	133	542
Psychoses	34,356	1,205	333	2,340	4,786	25,138	117	437
Alcoholic psychoses	3,958	298	13	114	428	3,075	8	22
Drug psychoses	2,680†	31	26	109	358	2,132	*	21
Schizophrenic disorders	5,398	196	64	678	901	3,460	25	74
Manic-depressive disorders	18,948	571	182	1,150	2,588	14,122	68	267
Neurotic disorders	6,839	394	46	321	1,056	4,901	16	105
Anxiety states	507	7	6	25	71	391	0	7
Depression	2,568	128	17	133	404	1,829	6	51
Drug dependence	520†	11	*	19	79	400	0	*
Nondependent abuse of drugs	580†	68	*	35	106	359	0	9
Alcohol dependence syndrome	960†	115	*	17	98	716	*	6
Diseases of the nervous system	14,977	682	195	885	2,801	10,203	31	180
Diseases of the circulatory system	83,100	1,968	961	3,983	11,238	64,056	137	757
Heart disease	52,832	1,214	557	2,270	6,804	41,410	89	488
Acute myocardial infarction	10,010	246	104	352	1,496	7,668	14	130
Coronary artherosclerosis	6,661	168	103	196	914	5,207	8	65

TABLE 4A-3 (continued)
NUMBER OF DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2013

Category of first-listed diagnosis	Total	Race/ethnicity						
		American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
Other ischemic heart disease	680†	27	10	23	105	502	*	9
Cardiac dysrythmias	13,591	212	115	377	1,380	11,383	22	102
Cardiac arrest	170†	10	*	9	30	116	*	*
Congestive heart failure	2,032	69	31	94	291	1,524	10	13
Cerebrovascular disease	15,936	322	230	709	2,200	12,281	24	170
Diseases of the respiratory system	56,042	2,657	664	2,858	9,969	39,295	111	488
Acute bronchitis and bronchiolitis	4,268	449	61	243	1,535	1,913	7	60
Pneumonia	16,698	886	222	646	2,956	11,806	40	142
Chronic bronchitis	8,934	95	55	300	595	7,846	9	34
Asthma	6,062	315	72	750	1,466	3,386	19	54
Diseases of the digestive system	65,400	3,112	768	2,594	13,967	44,316	113	530
Appendicitis	4,841	153	84	155	1,710	2,670	12	57
Noninfectious enteritis and colitis	5,524	161	57	247	900	4,086	9	64
Diverticula of intestine	5,585	114	33	187	938	4,274	9	30
Cholelithiasis	7,484	470	100	243	2,293	4,292	10	76
Diseases of the genitourinary system	30,695	1,166	398	1,392	6,363	21,061	50	265
Calculus of kidney and ureter	3,940†	73	51	103	713	2,960	*	36
Diseases of the skin and subcutaneous tissue	15,470	1,018	136	609	3,156	10,418	23	110
Cellulitis and abscess	13,576	907	104	485	2,765	9,206	22	87
Diseases of the musculoskeletal system	43,614	1,006	377	1,318	4,778	35,533	164	438
Osteoarthrosis and allied disorders	22,449	305	147	514	1,821	19,360	98	204
Invertebral disc disorders	4,698	93	66	135	555	3,772	22	55
Congenital anomalies	2,420†	144	27	99	745	1,352	*	48
Conditions originating in perinatal period	2,716	199	71	138	1,016	1,207	9	76
Symptoms signs and ill-defined conditions	20,857	812	272	1,242	3,860	14,461	29	181
Injury and poisoning	61,709	3,378	670	2,485	10,401	44,009	172	594
Fractures, all sites	21,101	1,059	217	535	3,354	15,671	62	203
Fracture of neck of femur	6,415	171	60	66	586	5,479	10	43
Poisonings	7,045	337	70	351	1,223	4,979	10	75

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Excluding newborn infants.

TABLE 4A-4
NUMBER OF DISCHARGES[a] BY PRIMARY PAYER, GENDER, AGE GROUP, RACE/ETHNICITY, AND MARITAL STATUS, ARIZONA, 2013

Selected characteristics		Total	Self	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
Total		636,535	43,365	167,162	134,500	197,401	94,107
Gender	**Female**	368,452	19,249	103,107	92,726	103,139	50,231
	Male	268,077	24,113	64,055	41,771	94,262	43,876
	Unknown	10†	*	0	*	0	0
Age group	**Children <15 years**	33,568	1,043	10,659	19,647	36	2,183
	Adolescents 15-19 years	21,141	1,298	7,147	11,509	76	1,111
	Young adults 20-44 years	182,519	21,282	69,271	70,311	8,787	12,868
	Middle-aged adults 45-64 years	163,424	18,695	65,809	29,549	27,869	21,502
	Elderly 65+ years	235,866	1,043	14,267	3,484	160,633	56,439
	Unknown	20†	*	9	0	0	*
Race/ethnicity	**American Indian or Alaska Native**	26,372	1,490	3,855	8,481	6,124	6,422
	Asian or Pacific Islander	9,553	622	4,029	2,088	1,842	972
	Black or African American	31,028	2,967	6,603	10,828	6,905	3,725
	Hispanic or Latino	129,662	13,262	27,218	55,215	19,470	14,497
	White non-Hispanic	432,201	24,374	123,052	55,949	161,328	67,498
	Other	1,408	148	347	373	337	203
	Refused	6,311	502	2,058	1,566	1,395	790
Patient's marital status	**Single**	228,333	24,514	56,040	89,564	33,582	24,633
	Married	272,682	11,599	95,135	29,672	95,564	40,712
	Separated	6,417	991	1,204	1,858	1,459	905
	Divorced	52,749	4,600	9,913	9,237	18,918	10,081
	Widowed	71,101	1,120	3,947	2,531	46,482	17,021
	Unknown	4,998	541	908	1,398	1,396	755
	Not Applicable	255	0	15	240	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Excluding newborn infants.

TABLE 4A-5
AVERAGE LENGTH OF STAY FOR DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013

Category of first–listed diagnosis	All ages	Patient's age group					
		Children <15 years	Adoles-cents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown
All conditions	4.6	4.6	4.3	3.7	4.9	5.0	3.1
Infectious and parasitic diseases	6.2	5.1	4.7	5.8	6.7	6.2	0.0
Septicemia	6.7	11.5	5.6	6.4	7.2	6.5	0.0
Enterocolitis due to *Clostridium difficile*	5.6	5.2	3.4	4.7	5.4	6.0	0.0
Neoplasms	5.8	10.9	7.9	5.2	5.5	6.0	0.0
Malignant neoplasms	6.3	13.3	10.4	7.0	5.9	6.1	0.0
Large intestine	7.3	0.0	8.0	7.1	7.0	7.5	0.0
Prostate	2.1	0.0	0.0	1.6	1.8	2.4	0.0
Trachea bronchus and lung	6.4	13.1	4.8	5.9	6.7	6.3	0.0
Breast	2.2	0.0	0.0	2.2	2.2	2.1	0.0
Benign neoplasms	3.6	3.3	3.6	3.0	3.3	4.8	0.0
Endocrine nutritional metabolic and immunity diseases	3.9	3.5	3.2	3.1	4.2	4.1	0.0
Diabetes mellitus	4.5	2.6	2.3	3.4	5.2	5.3	0.0
Volume depletion	2.5	0.0	1.0	1.7	2.6	2.5	0.0
Morbid obesity	2.0	0.0	2.2	1.9	2.1	2.5	0.0
Diseases of the blood and blood forming organs	3.8	4.5	5.7	3.6	3.8	3.6	0.0
Mental disorders	8.5	8.6	8.1	8.1	8.7	10.3	3.8
Psychoses	9.1	8.8	8.2	8.7	9.4	11.2	4.7
Alcoholic psychoses	5.0	0.0	3.6	4.4	5.3	5.8	0.0
Drug psychoses	5.2	10.3	6.0	5.2	5.1	4.2	0.0
Schizophrenic disorders	14.6	17.2	14.2	14.1	15.0	19.9	6.0
Manic-depressive disorders	8.7	8.6	7.9	8.1	9.3	12.5	4.4
Neurotic disorders	5.6	7.6	7.3	5.3	5.1	6.2	2.8
Anxiety states	4.7	8.8	3.8	4.6	4.0	5.6	0.0
Depression	6.0	7.1	5.2	5.3	6.3	8.7	4.0
Drug dependence	8.2	16.4	15.3	5.9	5.1	5.4	1.0
Nondependent abuse of drugs	2.6	1.0	2.8	2.4	2.8	2.4	5.0
Alcohol dependence syndrome	4.8	0.0	5.9	4.9	4.7	4.4	3.5
Diseases of the nervous system	4.2	4.0	3.9	3.5	4.1	4.9	0.0
Diseases of the circulatory system	4.1	7.9	4.4	4.1	4.2	4.1	0.0
Heart disease	4.2	9.2	3.8	4.0	4.1	4.3	0.0
Acute myocardial infarction	4.2	0.0	0.0	3.5	3.9	4.5	0.0
Coronary artherosclerosis	4.0	0.0	0.0	3.3	3.6	4.2	0.0

TABLE 4A-5 (continued)
AVERAGE LENGTH OF STAY FOR DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013

Category of first–listed diagnosis	All ages	Patient's age group					
		Children <15 years	Adoles-cents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown
Other ischemic heart disease	3.0	36.0	1.0	1.9	3.5	2.5	0.0
Cardiac dysrythmias	3.1	3.6	2.3	2.6	2.9	3.2	0.0
Cardiac arrest	3.0	2.7	0.0	3.5	3.4	2.8	0.0
Congestive heart failure	3.9	16.7	5.0	3.5	3.5	3.8	0.0
Cerebrovascular disease	3.9	10.0	5.2	5.2	4.6	3.5	0.0
Diseases of the respiratory system	5.1	3.3	4.3	4.7	5.4	5.6	0.0
Acute bronchitis and bronchiolitis	3.3	3.4	5.1	2.7	3.0	3.1	0.0
Pneumonia	4.7	3.4	5.1	4.5	4.7	4.9	0.0
Chronic bronchitis	4.1	6.0	0.0	3.5	3.9	4.3	0.0
Asthma	3.2	2.1	2.4	3.1	3.7	4.2	0.0
Diseases of the digestive system	4.2	3.6	3.3	3.5	4.3	4.6	0.0
Appendicitis	2.8	3.5	2.5	2.1	2.9	4.1	0.0
Noninfectious enteritis and colitis	4.1	4.2	5.5	3.7	3.9	4.3	0.0
Diverticula of intestine	4.4	3.0	5.2	4.0	4.4	4.4	0.0
Cholelithiasis	3.3	3.3	2.6	2.4	3.3	4.4	0.0
Diseases of the genitourinary system	3.5	3.0	3.2	2.7	3.5	3.9	0.0
Calculus of kidney and ureter	2.2	2.3	2.3	1.9	2.1	2.6	0.0
Diseases of the skin and subcutaneous tissue	4.2	2.3	2.9	3.7	4.5	5.1	0.0
Cellulitis and abscess	3.9	2.2	2.7	3.4	4.2	4.7	0.0
Diseases of the musculoskeletal system	3.1	4.0	3.9	3.5	3.0	3.1	0.0
Osteoarthrosis and allied disorders	2.5	0.0	4.0	2.3	2.4	2.6	0.0
Invertebral disc disorders	2.7	8.0	1.7	2.2	2.6	3.2	0.0
Congenital anomalies	6.8	8.6	4.0	4.2	4.3	4.0	0.0
Conditions originating in perinatal period	7.3	7.3	2.0	4.5	0.0	0.0	0.0
Symptoms signs and ill-defined conditions	2.6	2.8	2.8	2.4	2.5	2.7	0.0
Injury and poisoning	4.8	4.1	3.5	4.3	5.2	5.0	0.7
Fractures, all sites	4.5	2.6	3.7	4.4	4.8	4.6	0.0
Fracture of neck of femur	5.0	3.6	5.5	4.9	5.2	5.0	0.0
Poisonings	3.3	1.9	2.4	3.1	3.8	3.5	2.0

Note: [a] Excluding newborn infants.



4B.

INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES AND PATIENT CHARACTERISTICS

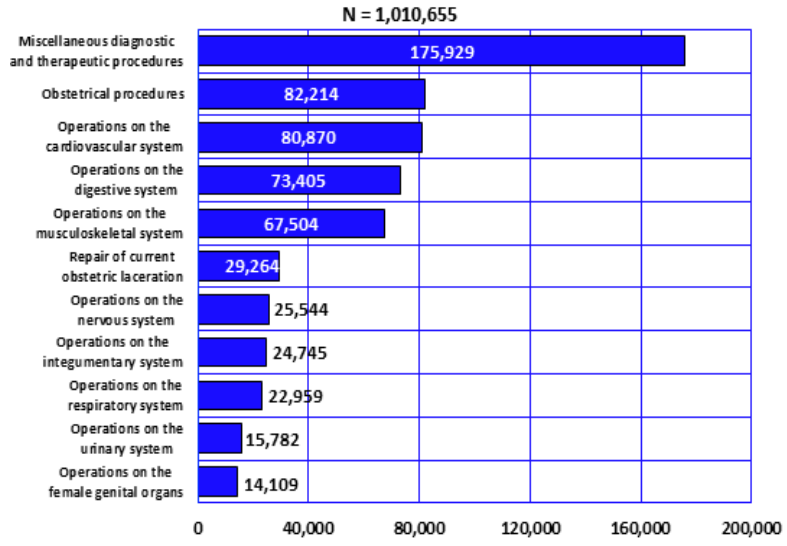
The data on the number of procedures in this section are for inpatients only. Procedures include surgical and non-surgical operations, diagnostic procedures, and special treatments reported on the medical record. Up to six procedures were included for each discharge. These all-listed procedures include all occurrences of the procedure regardless of the order on the medical record. Procedure groupings and code numbers are based on the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).

For comparability with the national data*, the rates of all-listed procedures are presented per 10,000 population. The groupings of ICD-9-CM codes used to identify specific procedure categories can be accessed at http://www.azdhs.gov/plan/hip/cat/icd9procedure.xls.

Beginning in 2008, Arizona hospitals may report up to 12 surgical and non-surgical procedures per record, doubling the previously required number. However, not all hospitals have been able to meet the revised requirements. This is one reason why, in our 2008 - 2013 reports, we continue to analyze the top six procedures. Another reason is comparability with the previously published data for 2000-2007.

*Findings of the National Hospital Discharge Survey, including estimates of the number of specific procedure categories, are available in bound reports of the National Center for Health Statistics and online at http://www.cdc.gov/nchs/nhds.htm. The survey collects the data on up to four surgical and non-surgical procedures.

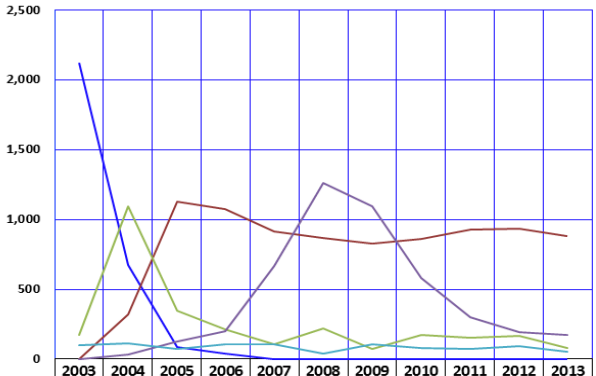
Figure 4B-1
Ten Leading Categories of All-listed Inpatient Procedures, Arizona Residents, 2013



During 2013, 1,010,655 procedures were performed among the 636,535 total inpatient discharges to Arizona residents. The rate of procedures was 1,535.7 per 10,000 population. For Arizona males, this rate was 1,353.5/10,000, and for Arizona females it was 1,716.1/10,000.

No specific procedure was recorded for approximately 45.7 percent of all inpatient discharges. Only 6.4 percent of inpatients had six procedures reported. Among the inpatient discharges which had one or more specific procedures recorded, the most frequent were miscellaneous diagnostic and therapeutic procedures (such as arteriography and angiocardiography or respiratory therapy), followed by obstetrical procedures, operations on the cardiovascular system, and operations on the digestive system (**Figure 4B-1, Table 4B1**).

Figure 4B-2
Trends in Types of Inpatient Procedures Performed in Treatment of Morbid Obesity, Arizona Residents, 2003-2013



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
High gastric bypass	2,123	672	85	40	3	1	0	1	0	0	0
Laparoscopic gastroenterostomy	0	320	1,130	1,072	912	866	824	863	929	937	883
Other gastroenterostomy	170	1,092	347	215	109	217	74	176	151	164	80
Gastric band	0	31	127	203	669	1,263	1,095	577	298	195	172
Other procedure	102	116	71	105	106	38	105	81	74	92	52

Note: The frequency counts in Figure 4B-2 are based on the principal procedure. The tabulated data use all six listed procedures.

Bariatrics is a branch of medicine that deals with the surgical treatment of obesity. Bariatric surgery has seen a rather dramatic increase in its popularity. A typical candidate for gastrointestinal surgery has a body mass index (BMI) of 40 or more – about 100 pounds overweight for men and 80 pounds for women. Bariatric surgery may also be considered for someone whose BMI is between 35 and 39.9 and who has a serious obesity-related health problem (such as type 2-diabetes, heart disease, or severe sleep apnea).

In 2013, **morbid obesity** (ICD-9-CM code 278.01) was the principal diagnosis for 2,113 inpatient hospitalizations (**Table 4A-1**). The number of *gastric bypass* surgeries, once the most common bariatric procedure, declined from a recent high of 2,123 in 2003 to only 2 gastric bypass surgeries being completed in the past 6 years (**Figure 4B-2**). Not a single *laparoscopic gastroenterostomy* procedure was reported in Arizona prior to 2004. In 2013, it was the most popular, with 883 procedures performed.

TABLE 4B-1
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2013

Procedures by category	Total	Age group					
		Children <15 years	Adoles-cents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Un-known
All procedures	1,010,655	69,553	26,303	279,600	271,374	363,822	3
Operations on the nervous system	25,544	3,315	1,064	7,175	6,474	7,516	0
Spinal tap	7,503	2,394	227	1,770	1,708	1,404	0
Operations on the endocrine system	1,514	37	19	371	587	500	0
Operations on the eye	952	104	41	326	244	237	0
Operations on the ear	433	113	25	121	91	83	0
Operations on the nose, mouth, and pharynx	4,095	686	183	1,230	1,007	989	0
Operations on the respiratory system	22,959	844	324	2,916	7,078	11,797	0
Bronchoscopy with or without biopsy	991	17	7	146	371	450	0
Operations on the cardiovascular system	80,870	3,537	598	8,715	26,388	41,632	0
Removal of coronary artery obstruction	8,330†	*	0	408	3,335	4,582	0
Coronary artery bypass graft	3,490†	0	*	82	1,134	2,274	0
Cardiac catheterization	19,291	116	13	1,190	7,533	10,439	0
Insertion, replacement, removal, of pacemaker leads	4,020	27	6	125	637	3,225	0
Hemodialysis	15,679	35	47	2,398	6,226	6,973	0
Operations on the hemic and lymphatic system	7,625	300	117	990	2,778	3,440	0
Operations on the digestive system	73,405	2,856	1,458	17,104	24,377	27,610	0
Gastric band	66	0	0	30	30	6	0
Endoscopy of small intestine with or without biopsy	19,003	303	253	3,453	6,296	8,698	0
Endoscopy of large intestine with or without biopsy	8,157	146	117	1,305	2,392	4,197	0
Partial excision of large intestine	3,004	53	20	374	937	1,620	0
Appendectomy, excluding incidental	5,422	1,075	521	2,008	1,195	623	0
Cholecystectomy	10,152	68	310	3,811	3,069	2,894	0
Lysis of peritoneal adhesions	7,013	113	56	1,862	2,364	2,618	0
Operations on the urinary system	15,782	450	194	3,485	5,162	6,491	0
Cystoscopy with or without biopsy	3,685	160	42	984	1,194	1,305	0
Operations on the male genital organs	9,406	6,701	28	238	968	1,471	0
Prostatectomy	2,000	0	0	23	763	1,214	0

TABLE 4B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2013

Procedures by category	Total	Age group					
		Children <15 years	Adoles-cents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Un-known
Operations on the female genital organs	14,109	127	227	9,571	2,884	1,300	0
Oophorectomy and salpingo-oophorectomy	3,470	15	20	1,109	1,604	722	0
Bilateral destruction/occlusion of fallopian tubes	4,760†	0	*	4,734	24	0	0
Hysterectomy	4,790†	*	*	2,032	2,059	691	0
Obstetrical procedures	82,210†	67	7,017	75,003	126	*	0
Episiotomy with or w/o forceps or vacuum extraction	5,800†	13	759	5,026	*	0	0
Artificial rupture of membranes	22,778	22	2,139	20,592	25	0	0
Cesarean section	23,145	7	1,174	21,894	70	0	0
Repair of current obstetric laceration	29,264	36	3,304	25,899	25	0	0
Operations on the musculoskeletal system	67,504	1,525	1,050	8,819	22,947	33,162	*
Partial excision of bone	8,791	155	148	1,429	3,743	3,316	0
Reduction of fracture	11,329	556	376	2,196	2,753	5,448	0
Open reduction of fracture with internal fixation	8,121	282	312	1,795	2,156	3,576	0
Excision or destruction of intervertebral disc	6,190†	*	26	1,195	2,909	2,055	0
Total hip replacement	7,170†	*	7	279	2,531	4,355	0
Total knee replacement	14,670†	*	*	212	5,273	9,182	0
Operations on the integumentary system	24,745	1,420	661	6,874	8,622	7,168	0
Debridement of wound, infection, or burn	6,524	263	178	1,817	2,463	1,803	0
Miscellaneous diagnostic and therapeutic procedures	175,929	29,773	3,057	30,729	44,609	67,760	*
Computerized axial tomography	2,662	98	32	398	770	1,364	0
Arterio- & angiocardiography using contrast material	24,869	135	50	1,701	9,222	13,761	0
Diagnostic ultrasound	10,258	399	71	1,210	2,895	5,683	0
Respiratory therapy	28,508	3,116	379	4,133	8,458	12,421	*
Insertion of endotracheal tube	16,149	2,069	227	2,639	4,828	6,385	*
Injection/infusion of cancer chemotherapy substance	3,487	736	257	623	999	872	0

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

TABLE 4B-2
NUMBER OF PROCEURES BY CATEGORY AND GENDER, ARIZONA, 2013

Procedures by category	Total	Patient's gender		
		Female	Male	Unknown
All procedures	1,010,655	567,344	443,283	28
Operations on the nervous system	25,544	14,109	11,435	0
Spinal tap	7,503	3,674	3,829	0
Operations on the endocrine system	1,514	944	570	0
Operations on the eye	952	324	628	0
Operations on the ear	433	141	292	0
Operations on the nose, mouth, and pharynx	4,095	1,550	2,545	0
Operations on the respiratory system	22,959	10,536	12,421	*
Bronchoscopy with or without biopsy	991	438	553	0
Operations on the cardiovascular system	80,870	35,975	44,894	*
Removal of coronary artery obstruction	8,326	2,558	5,768	0
Coronary artery bypass graft	3,491	894	2,597	0
Cardiac catheterization	19,291	7,208	12,083	0
Insertion, replacement, removal, of pacemaker leads	4,020	1,782	2,238	0
Hemodialysis	15,679	7,004	8,675	0
Operations on the hemic and lymphatic system	7,625	3,679	3,946	0
Operations on the digestive system	73,405	39,747	33,658	0
Gastric band	66	49	17	0
Endoscopy of small intestine with or without biopsy	19,003	9,877	9,126	0
Endoscopy of large intestine with or without biopsy	8,157	4,657	3,500	0
Partial excision of large intestine	3,004	1,607	1,397	0
Appendectomy, excluding incidental	5,422	2,559	2,863	0
Cholecystectomy	10,152	6,448	3,704	0
Lysis of peritoneal adhesions	7,013	4,816	2,197	0
Operations on the urinary system	15,782	7,998	7,784	0
Cystoscopy with or without biopsy	3,685	2,239	1,446	0
Operations on the male genital organs	9,406	0	9,406	0
Prostatectomy	2,000	0	2,000	0

TABLE 4B-2 (continued)
NUMBER OF PROCEURES BY CATEGORY AND GENDER, ARIZONA, 2013

Procedures by category	Total	Patient's gender		
		Female	Male	Unknown
Operations on the female genital organs	14,109	14,109	0	0
Oophorectomy and salpingo-oophorectomy	3,470	3,470	0	0
Bilateral destruction/occlusion of fallopian tubes	4,760	4,760	0	0
Hysterectomy	4,788	4,788	0	0
Obstetrical procedures	82,214	82,214	0	0
Episiotomy with or w/o forceps or vacuum extraction	5,802	5,802	0	0
Artificial rupture of membranes	22,778	22,778	0	0
Cesarean section	23,145	23,145	0	0
Repair of current obstetric laceration	29,264	29,264	0	0
Operations on the musculoskeletal system	67,504	34,913	32,591	0
Partial excision of bone	8,791	4,152	4,639	0
Reduction of fracture	11,329	6,365	4,964	0
Open reduction of fracture with internal fixation	8,121	4,478	3,643	0
Excision or destruction of intervertebral disc	6,190	3,163	3,027	0
Total hip replacement	7,173	4,040	3,133	0
Total knee replacement	14,673	8,617	6,056	0
Operations on the integumentary system	24,745	11,585	13,160	0
Debridement of wound, infection, or burn	6,524	2,628	3,896	0
Miscellaneous diagnostic and therapeutic procedures	175,929	88,626	87,287	16
Computerized axial tomography	2,662	1,397	1,265	0
Arterio- & angiocardiography using contrast material	24,869	9,742	15,127	0
Diagnostic ultrasound	10,258	4,483	5,774	*
Respiratory therapy	28,508	12,717	15,789	*
Insertion of endotracheal tube	16,149	7,067	9,080	*
Injection/infusion of cancer chemotherapy substance	3,487	1,639	1,848	0

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

TABLE 4B-3
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2013

Procedures by category	Total	Race/ethnicity						
		American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
All procedures	1,010,655	42,776	17,210	45,332	210,842	679,823	2,346	12,326
Operations on the nervous system	25,544	1,056	423	1,109	5,972	16,575	86	323
Spinal tap	7,503	385	130	476	2,110	4,292	7	103
Operations on the endocrine system	1,510†	53	42	81	289	1,023	*	23
Operations on the eye	950†	83	11	51	200	591	*	12
Operations on the ear	433	25	6	17	111	271	0	*
Operations on the nose, mouth, and pharynx	4,095	253	74	244	881	2,584	9	50
Operations on the respiratory system	22,959	838	362	970	3,539	16,984	38	228
Bronchoscopy with or without biopsy	990†	30	19	41	153	736	*	9
Operations on the cardiovascular system	80,870	3,441	957	3,782	12,440	59,232	147	871
Removal of coronary artery obstruction	8,326	184	98	268	1,151	6,524	11	90
Coronary artery bypass graft	3,491	91	56	59	487	2,739	8	51
Cardiac catheterization	19,291	526	236	819	2,861	14,598	20	231
Insertion, replacement, removal, of pacemaker leads	4,020	86	54	105	420	3,302	8	45
Hemodialysis	15,679	1,986	237	1,496	4,523	7,277	38	122
Operations on the hemic and lymphatic system	7,625	174	130	316	1,113	5,786	21	85
Operations on the digestive system	73,405	3,412	1,079	3,239	15,540	49,327	120	688
Gastric band	70†	*	*	*	14	45	0	0
Endoscopy of small intestine with or without biopsy	19,003	982	281	915	3,362	13,268	31	164
Endoscopy of large intestine with or without biopsy	8,157	329	101	382	1,298	5,968	12	67
Partial excision of large intestine	3,004	90	32	101	401	2,349	7	24
Appendectomy, excluding incidental	5,422	175	97	173	1,829	3,077	12	59
Cholecystectomy	10,152	578	137	352	2,987	5,975	16	107
Lysis of peritoneal adhesions	7,013	198	108	395	1,325	4,901	20	66
Operations on the urinary system	15,782	505	235	676	2,887	11,322	23	134
Cystoscopy with or without biopsy	3,690†	85	49	172	680	2,658	*	37
Operations on the male genital organs	9,406	118	295	411	1,256	7,037	16	273
Prostatectomy	2,000	24	28	96	208	1,613	14	17

TABLE 4B-3 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2013

Procedures by category	Total	Race/ethnicity						
		American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
Operations on the female genital organs	14,109	490	378	893	4,706	7,414	35	193
Oophorectomy and salpingo-oophorectomy	3,470	74	84	215	710	2,329	11	47
Bilateral destruction/occlusion of fallopian tubes	4,760	199	151	235	2,187	1,922	13	53
Hysterectomy	4,788	93	110	337	1,160	3,001	14	73
Obstetrical procedures	82,214	3,219	2,829	4,350	32,193	38,435	184	1,004
Episiotomy with or w/o forceps or vacuum extraction	5,802	144	280	173	1,521	3,579	12	93
Artificial rupture of membranes	22,778	906	670	1,201	8,472	11,246	15	268
Cesarean section	23,145	895	927	1,363	8,507	11,102	62	289
Repair of current obstetric laceration	29,264	907	1,235	1,161	10,723	14,768	73	397
Operations on the musculoskeletal system	67,504	2,529	614	2,023	9,042	52,403	245	648
Partial excision of bone	8,791	403	92	313	1,306	6,559	36	82
Reduction of fracture	11,329	522	114	309	1,928	8,318	37	101
Open reduction of fracture with internal fixation	8,121	384	80	243	1,405	5,897	31	81
Excision or destruction of intervertebral disc	6,190	121	73	163	725	5,014	27	67
Total hip replacement	7,173	78	32	157	383	6,453	22	48
Total knee replacement	14,673	241	116	347	1,449	12,299	70	151
Operations on the integumentary system	24,745	1,619	278	1,193	5,091	16,234	77	253
Debridement of wound, infection, or burn	6,524	521	55	317	1,387	4,162	32	50
Miscellaneous diagnostic and therapeutic procedures	175,929	8,205	3,037	8,409	35,490	117,615	416	2,757
Computerized axial tomography	2,660†	63	36	114	422	1,972	*	53
Arterio- & angiocardiography using contrast material	24,869	735	300	1,086	3,651	18,804	35	258
Diagnostic ultrasound	10,258	357	143	373	1,429	7,810	22	124
Respiratory therapy	28,508	1,736	346	1,461	4,846	19,626	53	440
Insertion of endotracheal tube	16,149	907	206	893	3,068	10,815	30	230
Injection/infusion of cancer chemotherapy substance	3,490†	127	99	107	904	2,218	*	29

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

TABLE 4B-4
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2013

Procedures by category	Total	Self	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
All procedures	1,010,655	59,013	293,965	208,592	296,650	152,435
Operations on the nervous system	25,544	1,371	7,941	6,575	6,095	3,562
Spinal tap	7,503	643	2,152	2,537	1,339	832
Operations on the endocrine system	1,514	60	633	207	403	211
Operations on the eye	952	176	221	196	186	173
Operations on the ear	433	59	125	108	77	64
Operations on the nose, mouth, and pharynx	4,095	558	1,220	874	879	564
Operations on the respiratory system	22,959	1,401	4,701	2,969	9,606	4,282
Bronchoscopy with or without biopsy	991	62	238	131	395	165
Operations on the cardiovascular system	80,870	4,790	16,674	10,292	33,701	15,413
Removal of coronary artery obstruction	8,326	722	2,135	562	3,317	1,590
Coronary artery bypass graft	3,491	140	815	207	1,592	737
Cardiac catheterization	19,291	1,523	4,575	1,689	7,931	3,573
Insertion, replacement, removal, of pacemaker leads	4,020	90	468	208	2,340	914
Hemodialysis	15,679	355	1,479	1,948	9,320	2,577
Operations on the hemic and lymphatic system	7,625	340	2,639	818	2,655	1,173
Operations on the digestive system	73,405	6,054	21,009	12,266	22,539	11,537
Gastric band	70†	*	54	*	*	*
Endoscopy of small intestine with or without biopsy	19,003	1,582	4,054	2,836	7,007	3,524
Endoscopy of large intestine with or without biopsy	8,157	576	1,874	1,003	3,100	1,604
Partial excision of large intestine	3,004	171	825	264	1,211	533
Appendectomy, excluding incidental	5,422	738	2,419	1,337	519	409
Cholecystectomy	10,152	1,224	3,272	2,130	2,150	1,376
Lysis of peritoneal adhesions	7,013	275	2,358	1,193	2,142	1,045
Operations on the urinary system	15,782	1,013	4,878	2,042	5,389	2,460
Cystoscopy with or without biopsy	3,685	216	1,428	521	1,032	488
Operations on the male genital organs	9,406	379	5,762	1,369	1,023	873
Prostatectomy	2,000	20	748	61	805	366

TABLE 4B-4 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2013

Procedures by category	Total	Self	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
Operations on the female genital organs	14,109	614	6,356	5,052	1,143	944
Oophorectomy and salpingo-oophorectomy	3,470	176	1,785	557	603	349
Bilateral destruction/occlusion of fallopian tubes	4,760	113	1,771	2,681	41	154
Hysterectomy	4,788	190	2,701	940	567	390
Obstetrical procedures	82,214	2,963	33,792	41,706	295	3,458
Episiotomy with or w/o forceps or vacuum extraction	5,802	219	3,115	2,218	21	229
Artificial rupture of membranes	22,778	702	9,526	11,455	71	1,024
Cesarean section	23,145	688	10,375	10,965	109	1,008
Repair of current obstetric laceration	29,264	1,193	13,689	13,029	64	1,289
Operations on the musculoskeletal system	67,504	3,436	18,804	6,324	25,722	13,218
Partial excision of bone	8,791	364	2,844	959	2,921	1,703
Reduction of fracture	11,329	1,114	2,534	1,263	3,979	2,439
Open reduction of fracture with internal fixation	8,121	865	1,987	907	2,599	1,763
Excision or destruction of intervertebral disc	6,190	116	2,658	563	1,676	1,177
Total hip replacement	7,173	46	2,316	313	3,270	1,228
Total knee replacement	14,673	30	4,639	648	6,607	2,749
Operations on the integumentary system	24,745	3,118	6,259	4,658	6,726	3,984
Debridement of wound, infection, or burn	6,524	923	1,471	1,194	1,849	1,087
Miscellaneous diagnostic and therapeutic procedures	175,929	10,829	45,517	37,268	55,314	27,001
Computerized axial tomography	2,662	179	596	326	1,020	541
Arterio- & angiocardiography using contrast material	24,869	1,775	5,671	2,260	10,441	4,722
Diagnostic ultrasound	10,258	531	2,356	1,016	4,581	1,774
Respiratory therapy	28,508	2,207	5,096	5,332	10,409	5,464
Insertion of endotracheal tube	16,149	1,557	2,924	3,256	5,459	2,953
Injection/infusion of cancer chemotherapy substance	3,487	113	1,404	829	765	376

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



4C.

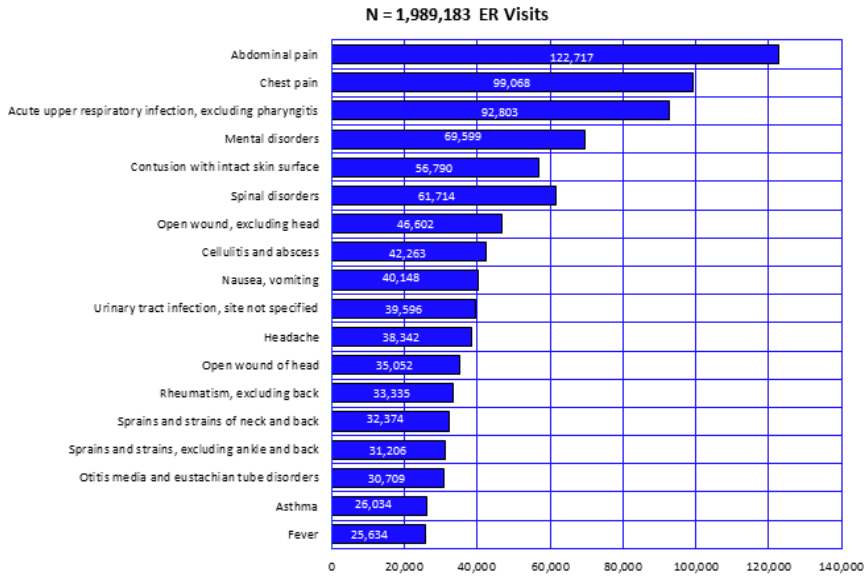
CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY, DIAGNOSIS GROUP, AND AGE GROUP

The data in this section are focused on ambulatory care visits to emergency rooms of non-Federal, short-stay hospitals. The emergency room (ER) and the inpatient hospitalization data are mutually exclusive. The ER data include only those who were not admitted as inpatients.

All emergency room visits are those of the residents of Arizona. Ambulatory care visits to hospital emergency rooms of out-of-state residents are not included in this report. Diagnostic groupings and code numbers are based on the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM).

*Findings of the National Hospital Ambulatory Medical Care Survey, including data on trends in ER utilization, are available in bound reports of the National Center for Health Statistics and online at http://www.cdc.gov/nchs/ahcd.htm

Figure 4C-1
Number of Emergency Room Visits by the Leading Diagnostic Groupings, Arizona Residents, 2013



Note: Based on first-listed diagnosis; See Table 4C-2.

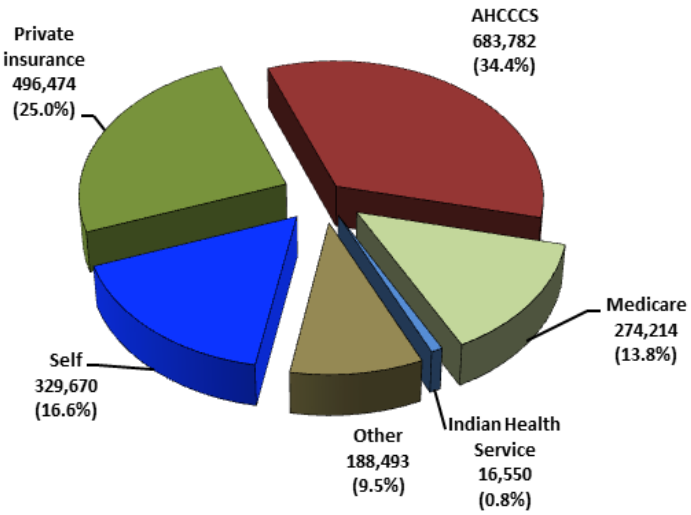
During 2013, nearly 2.0 million visits were made by Arizona residents to hospital emergency rooms (ER), about 30.2 visits per 100 persons. The utilization rates vary by geographic region, with the Western United States having the lowest ER visit rate.

In 2013, *abdominal pain, chest pain, acute upper respiratory infection*, *mental disorders, contusion with intact skin surfaces*, and *spinal disorders* were the leading diagnostic categories, accounting for 22.2 percent of all visits (**Figure 4C-1**, **Table 4C-2**).

Both *rheumatism* (33,335 visits) and *fever* (25,634) were among the top fifteen complaints, symptoms, or reasons for a visit to the emergency room.

*www.cdc.gov/nchs/data/nhsr/nhsr007.pdf

Figure 4C-2
Emergency Room Visits by Payer, Arizona Residents, 2013



Notes: Number of visits per 100 persons; The actual number of ER visits for each group is provided below the bars.

The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) was the most frequently recorded expected source of payment, accounting for 34.4 percent of ER visits (**Figure 4C-3**). Private insurance was the second most frequent payer (25.0 percent of ER visits), followed by self-pay patients (16.6 percent), and Medicare (13.8 percent).

TABLE 4C-1
NUMBER OF EMERGENCY ROOM VISITIS[a] BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013

Category of first-listed diagnosis	All Ages	Age group					
		<15	15-19	20-44	45-64	65+	Unknown
Total, all causes	1,989,183	406,473	125,486	750,175	406,625	300,406	18
Infectious and parasitic diseases	43,282	20,757	2,908	12,133	4,442	3,042	0
Neoplasms	3,045	202	64	881	950	948	0
Endocrine nutritional metabolic and immunity diseases	32,802	2,852	1,186	10,175	10,065	8,524	0
Diabetes mellitus	11,789	448	306	3,755	4,625	2,655	0
Mental disorders	69,599	2,765	6,166	35,471	19,512	5,685	0
Psychoses	14,544	418	836	6,976	4,176	2,138	0
Alcoholic psychoses	2,249	0	19	1,226	915	89	0
Drug psychoses	3,221	16	166	1,924	883	232	0
Schizophrenic disorders	1,580†	*	57	950	509	63	0
Manic-depressive disorders	3,320	304	366	1,588	903	159	0
Neurotic disorders	55,039	2,346	5,329	28,489	15,329	3,546	0
Anxiety states	15,387	368	1,146	8,692	3,693	1,488	0
Depression	6,885	497	1,047	3,083	1,774	484	0
Drug dependence	756	0	54	503	184	15	0
Nondependent abuse of drugs	17,689	215	1,733	9,844	5,297	600	0
Alcohol dependence syndrome	5,008	8	88	2,206	2,455	251	0
Diseases of the nervous system	118,678	36,879	5,474	42,740	23,182	10,402	*
Diseases of the circulatory system	53,961	458	613	9,220	17,201	26,465	*
Diseases of the respiratory system	201,982	91,023	11,182	54,069	27,081	18,627	0
Acute bronchitis and bronchiolitis	26,288	11,258	931	7,518	3,948	2,633	0
Pneumonia	18,772	7,562	683	4,035	3,206	3,286	0
Chronic bronchitis	6,652	8	7	326	2,869	3,442	0
Asthma	26,034	10,845	1,675	8,023	4,069	1,422	0
Diseases of the digestive system	123,112	21,672	6,270	53,183	24,984	17,003	0
Diseases of the genitourinary system	119,249	10,539	9,736	59,981	21,406	17,587	0
Diseases of the skin and subcutaneous tissue	71,119	15,398	4,833	29,649	14,030	7,209	0
Diseases of the musculoskeletal system	132,851	6,946	5,650	55,861	39,794	24,600	0
Symptoms signs and ill-defined conditions	499,020	82,795	26,453	179,470	118,042	92,258	*
Injury and poisoning	410,597	100,534	33,791	140,544	74,922	60,796	10
Fractures, all sites	54,160	13,643	3,773	13,984	11,033	11,726	*
Sprains	77,285	9,221	7,882	36,701	16,247	7,234	0
Intracranial	11,169	3,134	1,673	3,374	1,555	1,433	0
Open wounds	81,654	24,722	5,925	26,905	12,603	11,496	*
Superficial	20,799	7,027	1,618	6,762	3,185	2,207	0
Contusions	56,790	12,254	4,516	18,953	10,840	10,225	*
Foreign bodies	9,783	4,433	353	2,479	1,464	1,054	0
Burns	2,666	716	196	1,119	477	158	0
Trauma complications and unspecified injuries	41,700	13,619	3,327	11,603	6,229	6,920	*
Poisonings	18,436	4,599	1,937	6,871	3,537	1,492	0
Surgical and medical complications	11,479	972	318	2,723	3,226	4,240	0

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

TABLE 4C-2
NUMBER OF EMERGENCY ROOM VISITS FOR THE LEADING DIAGNOSIS GROUPS[a] AND AGE GROUP, ARIZONA, 2013

Primary diagnosis group	ICD-9-CM code(s)	All Ages	Age group					
			<15	15-19	20-44	45-64	65+	Unknown
Total, all causes		1,989,183	406,473	125,486	750,175	406,625	300,406	18
Abdominal pain	**789.0**	122,717	13,814	9,934	61,382	25,587	12,000	0
Chest pain	**786.5**	99,068	2,308	3,105	33,678	36,824	23,153	0
Acute upper respiratory infection, excluding pharyngitis	**460-461, 463-466**	92,803	56,018	3,888	20,226	8,102	4,569	0
Mental disorders	**290-319**	69,599	2,765	6,166	35,471	19,512	5,685	0
Spinal disorders	**720-724**	61,714	1,568	2,231	29,323	18,669	9,923	0
Contusion with intact skin surface	**920-924**	56,790	12,254	4,516	18,953	10,840	10,225	*
Open wound, excluding head	**874-897**	46,602	8,270	3,992	19,172	8,623	6,543	*
Cellulitis and abscess	**681-682**	42,263	5,477	2,457	19,893	9,603	4,833	0
Nausea, vomiting	**787.0**	40,148	15,000	2,282	13,208	5,507	4,151	0
Urinary tract infection, site not specified	**599.0**	39,596	6,119	2,961	14,990	6,612	8,914	0
Headache	**784.0**	38,342	3,182	2,819	20,087	8,864	3,390	0
Open wound of head	**870-873**	35,052	16,452	1,933	7,733	3,980	4,953	*
Rheumatism, excluding back	**725-729**	33,335	2,629	1,340	12,782	10,095	6,489	0
Sprains and strains of neck and back	**846-847**	32,374	1,613	2,506	17,549	7,682	3,024	0
Sprains and strains, excluding ankle and back	**840-844, 845.1, 848**	31,206	5,017	3,158	13,133	6,521	3,377	0
Otitis media and eustachian tube disorders	**381-382**	30,709	24,493	993	3,882	1,043	298	0
Asthma	**493**	26,034	10,845	1,675	8,023	4,069	1,422	0
Fever	**780.6**	25,634	21,107	617	1,981	963	966	0
Superficial injuries	**910-919**	20,799	7,027	1,618	6,762	3,185	2,207	0
Acute pharyngitis	**462.0**	20,792	7,375	2,779	8,500	1,527	611	0
Gastroenteritis and colitis	**558.0**	20,251	7,623	1,102	6,567	2,924	2,035	0
Pneumonia	**480-486**	18,772	7,562	683	4,035	3,206	3,286	0
Chronic and unspecified bronchitis	**490-491**	18,704	1,890	637	5,171	5,657	5,349	0
Migraine	**346**	16,544	583	1,072	10,114	4,241	534	0
Heart disease, excluding ischemic	**391-392.0**	16,068	233	202	2,313	4,403	8,914	*
Unspecified viral and chlamydial infection	**79.9**	10,264	6,072	638	2,483	720	351	0

Notes:* Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Based on first-listed diagnosis.



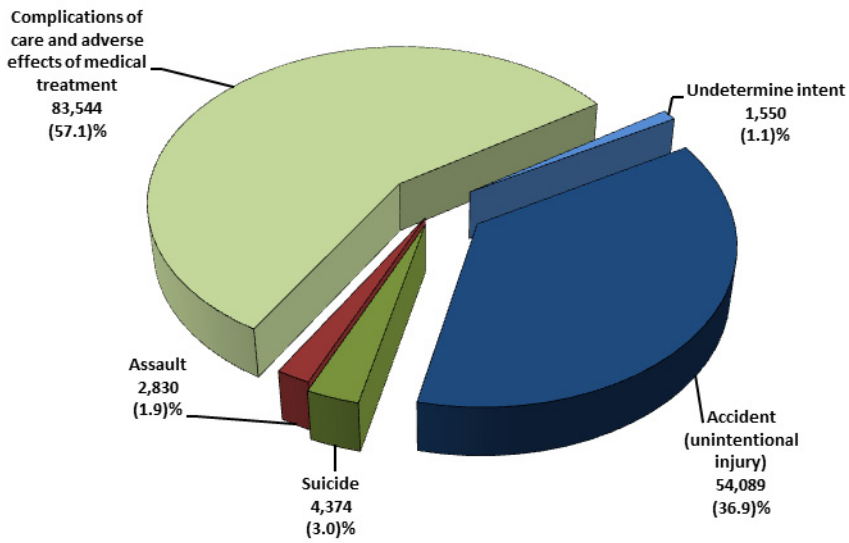
4D.

INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Prior to 2009, injury hospitalizations and injury-related emergency room visits were defined here through the range of ICD-9-CM codes 800-999 used as the first-listed diagnosis. In addition, the supplementary classification of external causes of injury and poisoning (ICD-9-CM codes E800–E999) is used to permit the classification of environmental events, circumstances, and conditions as the cause of injury, poisoning, and other adverse effects. The "E" code classification is used to describe both the *mechanism* of external cause of injury (e.g., motor vehicle traffic, fall, poisoning), but also the manner or *intent* of the injury (e.g., suicide, assault, accident).

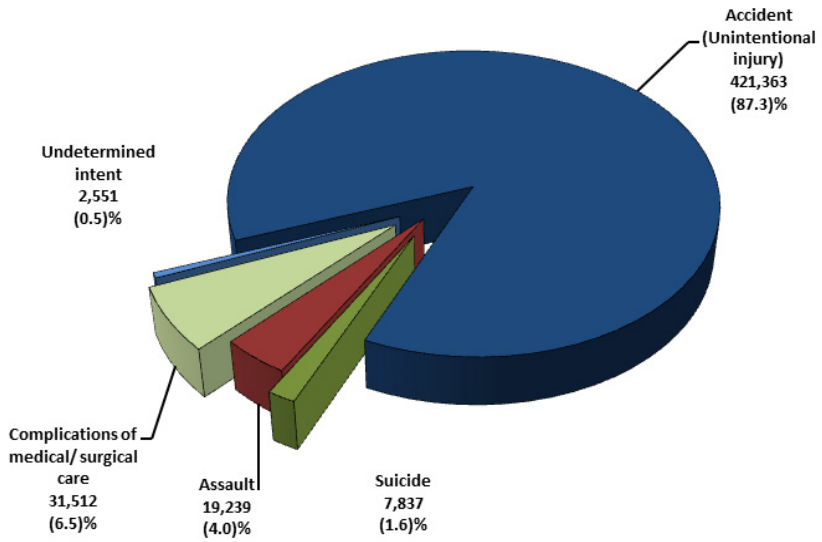
In 2009, the reporting requirements for hospitals were revised and the non-injury first-listed diagnoses may also have an external cause of injury code. Beginning with the 2009 edition of this report, the reader is advised that the number of suicides, accidents, etc. shown in **Table 4D-1** and **Table 4D-2** no longer reflect only those where the principal diagnosis was an injury. To continue to do so would only mean undercounting the external causes of injury. As an example, in 2009 forward, among the suicide attempt-related ER visits, *injury and poisoning*, *mental disorders*, *chronic disease, infectious disease*, or *ill-defined conditions* were identified as the first-listed diagnosis.

Figure 4D-1
Percent Distribution of Inpatient Discharges by Intent of Injury, Arizona Residents, 2013



In 2013, injury was indicated as the principal diagnosis on 61,709 inpatient discharge records (**Table 4A-1).** However, the E-codes for external causes of injury were provided on a substantially greater number of inpatient discharges (**Figure 4D-1**, **Table 4D-1**). *Complications of medical care and adverse effects of medical treatment* (including adverse drug reactions and complications from surgical and medical procedures) accounted for the absolute majority of inpatient hospitalizations by the intent of injury (57.1 percent). *Unintentional injuries in accidents* accounted for 36.9 percent of all inpatient discharges by intent of injury. *Self-inflicted injuries in suicide* resulted in 4,374 inpatient hospitalizations (3.0 percent). *Assault* accounted for 2,830 inpatient hospitalizations (1.9 percent of all hospital discharges with known intent of injury).

Figure 4D-2
Percent Distribution of Emergency Room Visits by Intent of Injury, Arizona Residents, 2013

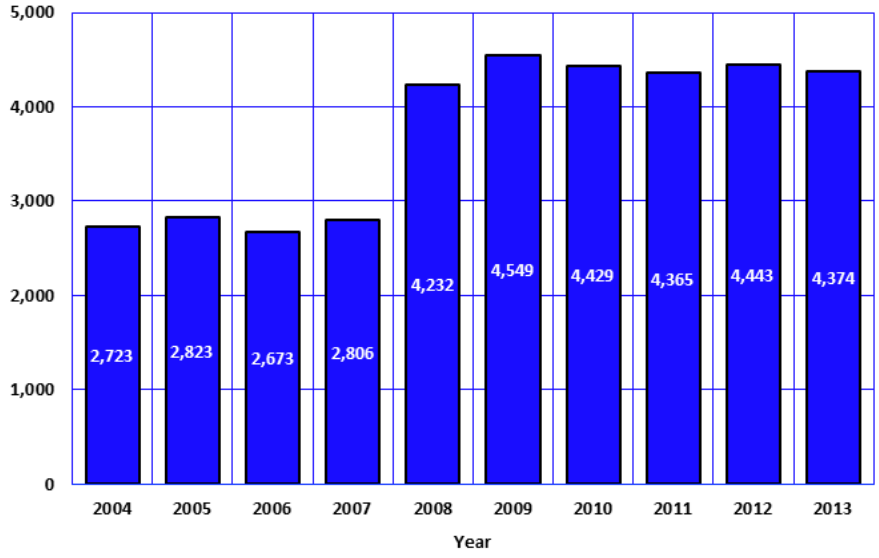


In 2013, there were 482,502 emergency room visits with known intent of injury among Arizona residents, 3 times as many as inpatient discharges. *Unintentional injuries or accidents* accounted for nine out of ten (421,363 or 87.3 percent) of all injury-related emergency room visits (**Figure 4D-3, Table 4D-2**). The external cause of injury was classified as *assault* for 19,239 emergency room visits: these were the injuries purposely inflicted by another person. *Complications of care* and *adverse effects of medical treatment* accounted for a greater number of emergency room visits than *self-inflicted injuries in suicide* (6.5 percent vs. 1.6 percent, respectively, **Figure 4D-3, Table 4D-2**).

Beginning in 2008, there was a substantial increase in the number of suicide-related inpatient discharges and emergency room visits (**Figure 4D-7** and **Figure 4D-8**). It was only partly due to the change in the reporting requirements for hospitals. In 2013, *injury or poisoning* was the principal diagnosis on 3,393 inpatient discharge records, which also included the E codes for suicide (E950-E959). *Mental disorders* were identified as the principal diagnosis on the additional 759 suicide-related records. For the additional 222 inpatient discharges mentioning suicide attempt, the principal diagnosis was classified as *chronic disease*, *infectious disease,* or *ill-defined conditions*.

The number of suicide-related inpatient discharges has remained relatively consistent from 2008 – 2013.

Figure 4D-3
Suicide-related Inpatient Discharges by Year, Arizona Residents, 2004 - 2013



Injury or poisoning was the principal diagnosis on 5,872 ER discharge records, which also included the E codes for suicide (E950-E959). *Mental disorders* were identified as the principal diagnosis on 1,297 suicide-related records. For the additional 668 ER discharges mentioning suicide attempt, the principal diagnosis was classified as *chronic disease*, *infectious disease,* or *ill-defined conditions*.

Again, the number of suicide-related emergency room visits has remained fairly stable from 2008 through 2013.

Figure 4D-4
Suicide-related Emergency Room Visits by Year, Arizona Residents, 2004 - 2013

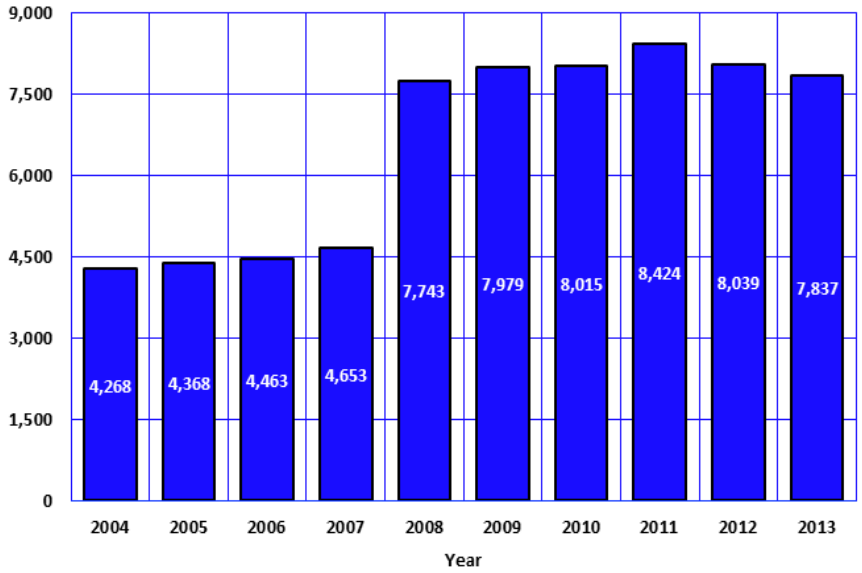


TABLE 4D-1
INPATIENT DISCHARGES BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2013

	Total[f]	Gender			Age group						Race/ethnicity						
		Female	Male	Unknown	Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown	American Indian or Alaska	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
UNINTENTIONAL INJURY OR ACCIDENT[a]	54,089	26,810	27,277	*	2,653	1,509	10,268	13,887	25,770	*	2,697	582	1,712	8,620	39,802	135	541
Fall	25,762	15,221	10,540	*	794	228	1,958	5,102	17,680	0	984	272	515	3,212	20,525	48	206
Motor vehicle accident	6,244	2,301	3,942	*	289	565	2,630	1,700	1,060	0	415	84	277	1,449	3,904	31	84
Accidental poisoning by drugs, medicinal substances gases and vapors	3,850†	2,011	1,839	0	227	122	1,114	1,497	890	0	165	36	199	658	2,748	*	40
Natural and environmental factors	2,450†	1,106	1,341	0	281	69	646	858	593	0	146	22	84	442	1,727	*	22
Exposure to excessive natural heat	410†	96	312	0	*	8	130	151	114	0	18	*	20	113	247	*	*
Fire and flames	472	162	310	0	70	14	151	134	103	0	45	7	27	130	247	6	10
Machinery	240†	17	220	0	*	7	112	90	26	0	10	*	*	87	126	0	*
SUICIDE[b]	4,374	2,489	1,885	0	178	563	2,222	1,191	220	0	252	45	215	741	3,042	14	65
ASSAULT[c]	2,830	557	2,273	0	158	188	1,749	630	104	*	635	22	293	742	1,078	17	43
INJURIES OF UNDETERMINED INTENT[d]	1,550†	740	810	0	50	47	511	493	449	0	64	17	83	305	1,054	*	23
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT[e]	83,544	42,867	40,677	0	1,770	798	11,647	26,693	42,636	0	2,844	1,061	3,879	12,513	62,429	190	628
Misadventures to patients	1,690	1,011	679	0	28	13	287	559	803	0	63	26	73	288	1,220	6	14
Surgical and medical procedures as the cause of adverse reaction	42,850	20,677	22,173	0	1,232	424	6,484	14,445	20,265	0	1,806	504	1,992	6,775	31,318	109	346
Drugs causing adverse effects	39,004	21,179	17,825	0	510	361	4,876	11,689	21,568	0	975	531	1,814	5,450	29,891	75	268

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; External causes of injury and poisoning (E-codes) may be reported whether or not the principal diagnosis was an injury.

[a] First-listed external cause codes E800-E869, E880-E929.

[b] First-listed external cause codes E950-E959.

[c] First-listed external cause codes E960-E969.

[d] First-listed external cause codes E890-E989.

[e] First-listed external cause codes E870-E879, E930-E949.

[f] The total may include records with unknown gender and/or age group.

TABLE 4D-2
EMERGENCY ROOM VISITS BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND RACE/ETHNICITY, ARIZONA, 2013

	Total[f]	Gender			Age group						Race/ethnicity						
		Female	Male	Unknown	Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown	American Indian or Alaska	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
UNINTENTIONAL INJURY OR ACCIDENT[a]	421,363	207,930	213,428	*	103,549	33,139	141,505	78,089	65,071	10	16,904	4,921	24,490	115,754	253,950	1,008	4,336
Fall	139,060	76,481	62,578	*	39,569	5,940	28,295	26,143	39,112	*	5,285	1,417	5,906	34,480	90,365	303	1,304
Motor vehicle accident	47,489	25,844	21,643	*	4,255	5,469	23,996	10,049	3,715	*	1,627	882	4,016	14,110	26,052	145	657
Struck against or struck accidentally by objects or persons	46,949	18,483	28,466	0	17,716	6,463	14,483	5,210	3,077	0	1,849	545	3,197	14,019	26,701	137	501
Overexertion	37,349	18,621	18,727	*	5,262	3,934	17,361	7,471	3,321	0	1,631	383	2,525	10,143	22,242	81	344
Cutting or piercing instruments or objects	27,696	10,329	17,367	0	4,972	2,424	12,531	5,254	2,515	0	1,082	349	1,387	8,165	16,364	58	291
Natural and environmental factors	25,929	13,469	12,460	0	8,541	1,812	8,380	4,741	2,454	*	1,277	328	1,466	8,369	14,165	62	262
Exposure to excessive natural heat	1,700†	577	1,118	0	119	149	800	414	213	0	67	17	105	513	975	*	13
Accidental poisoning by drugs, medicinal substances, biologicals, gases and vapors	7,336	3,822	3,513	*	2,074	518	2,474	1,484	786	0	298	57	442	1,833	4,636	9	61
Fire and flames	3,138	1,477	1,661	0	791	236	1,341	576	194	0	145	49	222	1,080	1,580	11	51
Machinery	1,240†	182	1,056	0	51	52	533	415	187	0	32	9	32	373	782	*	9
Pedal cycle, nontraffic and other	6,931	1,811	5,120	0	2,382	674	2,117	1,448	310	0	248	74	270	1,687	4,575	14	63
Motor vehicle, nontraffic	1,417	481	936	0	220	245	641	232	79	0	44	15	52	374	911	6	15
Foreign body accidentally entering eye or other orifice	10,848	4,467	6,381	0	4,770	409	2,894	1,632	1,143	0	388	139	688	3,250	6,236	26	121
Suffocation	250†	114	136	0	116	*	26	50	57	0	9	0	14	67	156	*	*
Firearm missile	740†	102	638	0	139	122	351	94	32	*	26	*	64	257	377	*	11
Drowning/submersion	220†	94	122	0	141	10	43	18	*	0	11	*	9	68	120	0	*
SUICIDE[b]	7,837	4,712	3,125	0	651	1,597	4,095	1,330	163	*	387	87	456	1,706	5,096	24	81
ASSAULT[c]	19,239	7,604	11,635	0	854	2,149	12,378	3,554	303	*	2,600	156	1,897	5,563	8,763	60	200
INJURIES OF UNDETERMINED INTENT[d]	2,551	1,204	1,347	0	247	268	1,285	579	171	*	276	17	155	568	1,510	7	18
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT[e]	31,512	17,463	14,049	0	3,118	1,226	9,221	8,267	9,680	0	1,088	424	1,805	7,122	20,776	63	234
Misadventures to patients	120†	63	56	0	12	*	37	29	36	0	9	*	6	35	67	*	0
Surgical and medical procedures as the cause of adverse reaction	14,982	7,203	7,779	0	1,277	466	4,036	4,105	5,098	0	571	173	861	3,309	9,946	28	94
Drugs causing adverse effects	16,411	10,197	6,214	0	1,829	755	5,148	4,133	4,546	0	508	250	938	3,778	10,763	34	140

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; External causes of injury and poisoning (E-codes) may be reported whether or not the principal diagnosis was an injury.

[a] First-listed external cause codes E800-E869, E880-E929.

[b] First-listed external cause codes E950-E959.

[c] First-listed external cause codes E960-E969.

[d] First-listed external cause codes E890-E989.

[e] First-listed external cause codes E870-E879, E930-E949.

[f] The total may include records with unknown gender and/or age group.

Part II:

THE COUNTIES

CHAPTER 5

TRENDS AND PATTERNS IN HEALTH STATUS AND VITAL STATISTICS BY COUNTY OF RESIDENCE, 2003-2013

5A. PREGNANCIES BY PREGNANCY OUTCOME

5B. MATERNAL CHARACTERISTICS AND NEWBORN'S HEALTH

5C. FETAL AND PERINATAL DEATHS

5D. ABORTIONS

5E. TRENDS AND PATTERNS IN MORTALITY

5F. REPORTABLE DISEASES

5G. MARRIAGES AND MARRIAGE DISSOLUTIONS

5A

Pregnancies by Pregnancy Outcome

TABLE 5A-1
PREGNANCIES AND PREGNANCY RATES BY PREGNANCY OUTCOME AND COUNTY OF RESIDENCE, ARIZONA, 2013

County of residence	PREGNANCIES BY OUTCOME					PREGNANCY RATES BY OUTCOME			
	Female population of childbearing age[a]	Live births	Abortions	Fetal deaths	Total pregnancies[b]	Fertility rate[c]	Abortion rate[d]	Pregnancy rate[e]	Percent pregnancies ending in abortions
Total State	1,286,457	84,963	13,254	550†	98,762	66.0	10.3	76.8	13.4
Apache	13,028	951	12	8	971	73.0	0.9	74.5	1.2
Cochise	22,307	1,607	101	6	1,714	72.0	4.5	76.8	5.9
Coconino	31,315	1,625	147	6	1,778	51.9	4.7	56.8	8.3
Gila	7,402	590	54	7	651	79.7	7.3	87.9	8.3
Graham	7,006	600	17	*	620†	85.6	2.4	88.6	2.7
Greenlee	2,019	125	67	*	190†	61.9	33.2	95.6	34.7
La Paz	2,412	204	16	*	220†	84.6	6.6	91.6	7.2
Maricopa	808,593	53,848	8,385	363	62,596	66.6	10.4	77.4	13.4
Mohave	29,368	1,742	26	11	1,779	59.3	0.9	60.6	1.5
Navajo	18,801	1,554	66	10	1,630	82.7	3.5	86.7	4.0
Pima	193,949	11,965	2,109	73	14,147	61.7	10.9	72.9	14.9
Pinal	70,754	4,564	346	21	4,931	64.5	4.9	69.7	7.0
Santa Cruz	9,246	652	23	*	680†	70.5	2.5	73.4	3.4
Yavapai	30,180	1,820	214	16	2,050	60.3	7.1	67.9	10.4
Yuma	40,077	3,116	90	14	3,220	77.8	2.2	80.3	2.8

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Females 15-44 years old; [b] Sum of recorded live births, reported spontaneous terminations of pregnancy (fetal deaths) and reported induced terminations of pregnancy (abortions); [c] The number of live births per 1,000 females of childbearing age; [d] The number of abortions per 1,000 females of childbearing age; [e] The number of pregnancies per 1,000 females of childbearing age; the total number of abortions, fetal deaths, and total pregnancies include missing county of residence; these data are not shown above.

TABLE 5A-2
PREGNANCIES AND PREGNANCY RATES, FEMALES 19 OR YOUNGER
BY COUNTY OF RESIDENCE, ARIZONA, 2013

County of residence	NUMBER OF PREGNANCIES[a]				
	All 19 years or younger	10-14 years	15-19 years		
			Total 15-19	15-17	18-19
Apache	120†	*	115	39	76
Cochise	153	0	153	44	109
Coconino	170†	*	172	47	125
Gila	100†	*	97	26	71
Graham	80†	*	74	22	52
Greenlee	23	0	23	7	16
La Paz	40†	*	35	9	26
Maricopa	5,109	50	5,059	1,405	3,654
Mohave	180†	*	179	37	142
Navajo	200†	*	196	46	150
Pima	1,252	17	1,235	346	889
Pinal	440†	*	436	113	323
Santa Cruz	80†	*	80	24	56
Yavapai	190†	*	188	47	141
Yuma	400†	*	396	125	271
TOTAL STATE	8,715	90†	8,624	2,385	6,239

County of residence	PREGNANCY RATES[b]				
	All 19 years or younger	10-14 years	15-19 years		
			Total 15-19	15-17	18-19
Apache	19.1	**	38.5	20.8	68.5
Cochise	18.9	0.0	36.3	17.3	65.2
Coconino	16.2	**	26.3	18.8	30.8
Gila	32.0	**	64.3	26.7	132.9
Graham	26.7	**	55.3	26.3	103.3
Greenlee	28.8	0.0	58.7	28.6	108.9
La Paz	37.6	**	75.0	31.2	146.2
Maricopa	18.4	0.4	36.6	17.2	64.2
Mohave	15.8	**	30.9	10.9	59.4
Navajo	23.3	**	46.4	17.6	92.9
Pima	19.2	0.6	35.8	19.0	54.6
Pinal	16.4	**	35.2	14.8	67.7
Santa Cruz	20.6	**	42.2	18.6	92.3
Yavapai	16.7	**	32.2	13.2	62.2
Yuma	25.1	**	48.5	25.5	83.0
TOTAL STATE	19.2	0.4	37.7	18.0	64.8

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] The sum of live births, fetal deaths and abortions; [b] The number of pregnancies per 1,000 females in specified group.

TABLE 5A-3
TRENDS IN PREGNANCY RATES[a] BY COUNTY OF RESIDENCE AMONG FEMALES 10-17 AND 18-19 YEARS OLD, ARIZONA, 2003-2013

		ARIZONA	APACHE	COCHISE	COCONINO	GILA	GRAHAM	GREENLEE	LA PAZ	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA
19 YEARS OR YOUNGER	2003	34.5	30.8	31.5	26.9	42.8	27.5	26.0	32.2	36.0	30.9	29.6	32.0	38.1	30.0	25.3	40.6
	2004	34.6	32.8	30.0	27.7	38.4	22.5	36.6	39.8	35.5	28.7	33.7	33.8	36.4	38.6	27.9	42.1
	2005	32.7	25.9	30.0	27.7	38.8	20.9	31.0	49.8	33.9	32.1	33.1	30.6	33.5	30.7	25.7	37.0
	2006	34.1	25.6	24.2	31.0	37.7	35.5	24.7	30.0	35.4	33.0	30.0	32.9	34.1	32.9	29.6	38.0
	2007	34.4	27.5	29.1	33.2	41.7	40.1	25.4	50.9	35.4	31.9	33.7	30.5	37.4	32.2	33.0	37.8
	2008	31.6	25.3	27.2	28.6	45.9	33.2	33.2	38.6	32.5	28.1	36.3	29.0	31.3	31.5	26.9	35.1
	2009	28.0	27.7	28.7	27.6	40.8	33.7	41.2	27.8	27.4	25.9	33.2	27.0	27.6	29.1	25.0	36.1
	2010	24.7	26.7	27.5	22.5	39.7	33.3	35.7	38.1	23.7	24.6	32.8	24.7	22.8	30.5	21.4	34.1
	2011	23.0	23.6	24.7	20.3	35.9	28.5	34.1	31.9	22.4	18.9	33.4	22.6	21.7	27.9	19.9	30.1
	2012	21.6	21.6	24.0	18.0	29.9	29.2	18.9	29.0	25.3	20.7	19.2	29.8	21.4	20.6	29.0	18.7
	2013	19.2	19.1	18.9	16.2	32.0	26.7	28.8	37.6	18.4	15.8	23.3	19.2	16.4	20.6	16.7	25.1
18-19 YEARS	2003	108.2	130.1	107.3	70.6	145.5	78.8	64.8	113.4	112.4	129.0	123.4	86.0	139.3	130.7	98.7	134.2
	2004	108.7	141.6	106.7	76.9	164.3	57.7	173.1	153.8	110.9	112.8	141.3	93.7	121.0	147.2	99.3	135.6
	2005	103.6	105.4	110.0	79.5	150.5	56.7	174.8	148.7	106.5	134.0	138.2	83.7	119.8	111.8	104.1	122.2
	2006	115.6	87.9	71.1	84.0	139.8	95.6	69.0	63.0	125.0	142.1	99.4	95.8	129.3	108.5	109.2	122.8
	2007	121.4	89.4	99.8	81.2	164.0	103.4	122.4	242.8	131.9	157.6	125.8	89.6	144.9	102.8	129.9	129.8
	2008	111.3	89.5	92.4	72.2	165.9	94.7	133.3	156.1	120.0	135.7	135.7	86.5	121.8	111.6	100.1	121.7
	2009	102.5	100.2	102.7	68.9	160.2	93.2	203.9	127.2	106.0	129.2	132.3	82.3	108.4	115.7	101.3	119.9
	2010	80.8	96.6	90.6	40.2	137.9	96.0	122.4	177.8	80.3	96.5	122.7	68.7	96.8	94.2	84.5	114.7
	2011	77.2	94.2	78.9	36.2	132.6	81.7	163.3	127.8	78.4	75.9	121.1	64.3	94.7	104.2	71.3	109.3
	2012	70.2	79.6	80.2	33.4	105.8	95.2	64.7	90.1	87.7	69.3	69.6	115.7	61.9	82.2	97.9	64.6
	2013	64.8	68.5	65.2	30.8	132.9	103.3	108.9	146.2	64.2	59.4	92.9	54.6	67.7	92.3	62.2	83.0
10-17 YEARS	2003	15.9	13.4	14.3	13.6	23.7	10.7	18.8	17.2	16.9	11.1	13.0	14.6	16.8	11.1	9.5	19.3
	2004	15.9	13.5	12.7	12.9	15.4	10.9	10.9	17.8	16.5	11.8	14.6	15.1	18.3	17.9	12.3	20.4
	2005	14.8	11.9	11.7	12.1	18.2	9.0	6.6	30.7	15.7	11.5	14.4	14.0	14.9	15.2	8.6	17.1
	2006	15.1	10.8	12.0	14.1	16.6	17.6	5.1	13.1	15.7	12.4	14.9	14.7	13.4	16.5	11.8	16.6
	2007	14.8	12.5	12.0	16.3	16.2	19.3	8.8	15.8	15.3	10.7	14.4	13.6	16.4	17.7	12.8	16.0
	2008	13.7	9.7	11.3	13.2	21.0	12.9	16.2	17.0	14.3	9.5	15.5	12.5	13.6	15.0	10.9	14.6
	2009	11.2	10.1	10.8	13.0	15.9	14.2	13.3	9.5	11.0	8.1	12.5	11.2	11.8	11.4	8.4	16.1
	2010	10.0	11.0	10.8	11.5	18.1	11.9	19.3	6.3	9.5	8.1	12.5	10.3	8.6	17.1	6.6	14.9
	2011	8.7	7.8	10.4	10.6	14.6	10.3	9.7	10.1	8.4	5.8	13.6	9.0	7.7	11.9	7.8	11.2
	2012	8.4	7.7	9.2	8.3	11.7	12.2	7.8	12.6	8.9	8.1	6.3	10.4	8.0	7.2	15.0	7.4
	2013	6.9	8.1	6.9	7.3	10.7	10.0	10.8	12.8	6.6	4.4	7.1	7.4	5.3	7.7	5.4	10.1

Note: [a] Number of pregnancies per 1,000 females in specified group.

TABLE 5A-4
PREGNANCIES BY PREGNANCY OUTCOME, AGE GROUP, AND COUNTY OF RESIDENCE, ARIZONA, 2013

		Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
TOTAL STATE	**Total pregnancies**	98,762	91	2,385	6,239	25,882	28,197	22,420	10,789	2,548	210†	0†
	Births	84,963	71	1,985	5,166	21,464	24,666	19,969	9,397	2,071	172	*
	Abortions	13,254	20	382	1,039	4,303	3,372	2,328	1,313	464	33	0
	Fetal deaths	550†	0	18	34	115	159	123	79	13	*	*
APACHE	**Total pregnancies**	970†	0†	40†	76	280†	290†	170†	90†	25	0	0
	Births	950†	*	38	76	275	281	167	88	25	0	0
	Abortions	10†	0	0	0	*	*	*	*	0	0	0
	Fetal deaths	10†	0	*	0	*	*	*	0	0	0	0
COCHISE	**Total pregnancies**	1,710†	0	44	110†	510†	520†	373	140†	20†	0†	0
	Births	1,610†	0	37	102	480	492	350	127	16	*	0
	Abortions	100†	0	7	6	29	23	23	9	*	0	0
	Fetal deaths	10†	0	0	*	*	*	0	*	*	0	0
COCONINO	**Total pregnancies**	1,780†	0†	50†	125	480†	520†	380†	176	43	0†	0
	Births	1,630†	*	46	109	418	484	359	168	36	*	0
	Abortions	150†	*	*	16	61	36	17	8	7	0	0
	Fetal deaths	10†	0	0	0	*	*	*	0	0	0	0
GILA	**Total pregnancies**	650†	0†	30†	70†	220†	180†	100†	44	10†	0†	0
	Births	590†	*	24	60	196	173	88	38	9	*	0
	Abortions	50†	0	*	10	17	8	10	6	*	0	0
	Fetal deaths	10†	0	0	*	*	*	*	0	0	0	0
GRAHAM	**Total pregnancies**	620†	0†	20†	50†	229	170†	90†	50†	10†	0	0
	Births	600†	*	20	49	221	171	92	42	*	0	0
	Abortions	20†	0	*	*	8	0	*	*	0	0	0
	Fetal deaths	0†	0	0	0	0	*	*	*	*	0	0
GREENLEE	**Total pregnancies**	190†	0	10†	16	67	48	36	20†	0†	0	0
	Births	130†	0	*	9	45	32	27	7	*	0	0
	Abortions	70†	0	*	7	22	16	9	8	*	0	0
	Fetal deaths	0†	0	0	0	0	0	0	*	0	0	0
LA PAZ	**Total pregnancies**	220†	0†	10†	30†	70†	60†	30†	20†	0†	0	0
	Births	200†	0	8	24	67	60	29	15	*	0	0
	Abortions	20†	*	*	*	*	*	*	*	0	0	0
	Fetal deaths	0†	0	0	0	0	*	0	0	0	0	0
MARICOPA	**Total pregnancies**	62,596	50	1,405	3,654	15,405	17,874	14,864	7,432	1,762	150†	0†
	Births*	53,848	41	1,169	3,021	12,676	15,573	13,277	6,515	1,450	124	*
	Abortions	8,385	9	226	611	2,651	2,196	1,503	860	306	23	0
	Fetal deaths	360†	0	10	22	78	105	84	57	6	*	0
MOHAVE	**Total pregnancies**	1,780†	0†	40†	140†	620†	520†	310†	130†	30†	0†	0
	Births	1,740†	*	35	139	605	513	302	122	23	*	0
	Abortions	30†	*	*	*	10	6	*	*	*	0	0
	Fetal deaths	10†	0	*	*	*	*	*	0	*	0	0
NAVAJO	**Total pregnancies**	1,630†	0†	50†	150†	550†	440†	280†	130†	30†	0†	0†
	Births	1,550†	*	44	140	524	415	269	125	31	*	0
	Abortions	70†	0	*	9	20	21	9	*	*	0	0
	Fetal deaths	10†	0	0	*	*	*	*	0	*	*	*
PIMA	**Total pregnancies**	14,147	20†	350†	890†	3,843	4,001	3,217	1,452	350†	30†	0
	Births	11,965	12	283	712	3,072	3,459	2,856	1,263	285	23	0
	Abortions	2,110†	*	61	173	760	517	342	178	68	*	0
	Fetal deaths	70†	0	*	*	11	25	19	11	*	0	0
PINAL	**Total pregnancies**	4,930†	0†	110†	320†	1,260†	1,494	1,150†	490†	100†	0†	0†
	Births	4,560†	*	98	292	1,166	1,405	1,068	446	83	*	0
	Abortions	346	0	13	30	93	83	78	37	12	0	0
	Fetal deaths	20†	0	*	*	*	6	*	*	*	0	*
SANTA CRUZ	**Total pregnancies**	680†	0†	20†	60†	190†	170†	150†	70†	10†	0†	0
	Births	650†	*	23	53	185	162	145	72	10	0	0
	Abortions	20†	0	*	*	7	6	*	*	*	*	0
	Fetal deaths	0†	0	0	0	*	*	*	0	0	0	0
YAVAPAI	**Total pregnancies**	2,050†	0†	47	140†	620†	600†	410†	170†	56	0†	0
	Births	1,820†	*	39	119	546	541	372	153	44	*	0
	Abortions	214	0	8	21	72	53	31	17	12	0	0
	Fetal deaths	20†	0	0	*	*	*	*	*	0	0	0
YUMA	**Total pregnancies**	3,220†	0†	130†	270†	1,020†	930†	580†	223	50†	10†	0
	Births	3,120†	*	117	261	988	905	568	216	53	*	0
	Abortions	90†	0	6	8	30	23	15	7	*	0	0
	Fetal deaths	10†	0	*	*	*	*	*	0	0	0	0
UNKNOWN	**Total pregnancies**	1,580†	0†	48	138	518	377	279	167	47	0†	0
	Births	0	0	0	0	0	0	0	0	0	0	0
	Abortions	1,580†	*	48	138	518	377	279	167	47	*	0
	Fetal deaths	0	0	0	0	0	0	0	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

TABLE 5A-5
BIRTHS AND BIRTH RATES, FEMALES 19 OR YOUNGER BY COUNTY OF RESIDENCE, ARIZONA, 2013

County of residence	NUMBER OF BIRTHS				
	All 19 years or younger	10-14 years	15-19 years		
			Total 15-19	15-17	18-19
Apache	120†	*	114	38	76
Cochise	139	0	139	37	102
Coconino	160†	*	155	46	109
Gila	90†	*	84	24	60
Graham	70†	*	69	20	49
Greenlee	13	0	10†	*	9
La Paz	32	0	32	8	24
Maricopa	4,231	41	4,190	1,169	3,021
Mohave	180†	*	174	35	139
Navajo	190†	*	184	44	140
Pima	1,007	12	995	283	712
Pinal	390†	*	390	98	292
Santa Cruz	80†	*	76	23	53
Yavapai	160†	*	158	39	119
Yuma	380†	*	378	117	261
TOTAL STATE	7,222	70†	7,151	1,990†	5,166
County of residence	**BIRTH RATES[a]**				
	All 19 years or younger	10-14 years	15-19 years		
			Total 15-19	15-17	18-19
Apache	19.0	**	38.2	20.3	68.5
Cochise	17.2	0.0	32.9	14.5	61.0
Coconino	14.5	**	23.7	18.4	26.9
Gila	27.8	**	55.7	24.7	112.3
Graham	24.9	**	51.5	23.9	97.3
Greenlee	16.3	0.0	33.2	**	61.2
La Paz	33.4	0.0	68.6	27.7	134.9
Maricopa	15.2	0.3	30.3	14.3	53.1
Mohave	15.3	**	30.0	10.3	58.1
Navajo	21.9	**	43.5	16.9	86.7
Pima	15.4	0.4	28.8	15.5	43.7
Pinal	14.7	**	31.5	12.9	61.2
Santa Cruz	19.6	**	40.1	17.8	87.4
Yavapai	14.0	**	27.1	10.9	52.5
Yuma	23.9	**	46.3	23.9	80.0
TOTAL STATE	15.9	0.3	31.3	15.0	53.6

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6;[a] The number of births per 1,000 females in specified group.

5B

Maternal Characteristics and Newborn's Health

TABLE 5B-1
RATES OF NATURAL INCREASE FROM BIRTHS[a] PER 1,000 POPULATION
BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	8.5	8.7	8.4	9.1	9.0	8.3	7.2	6.4	5.8	5.7	6.6
Apache	10.5	11.4	10.6	9.8	8.3	9.2	9.3	7.8	6.8	6.4	5.6
Cochise	5.0	5.5	5.0	5.0	5.6	4.3	5.1	4.3	3.6	3.8	3.9
Coconino	10.1	11.1	11.0	10.9	11.2	9.7	8.8	8.2	7.8	7.3	2.3
Gila	1.0	0.4	-0.8	0.7	0.5	-0.4	1.0	0.2	-1.1	-0.8	5.9
Graham	4.9	4.9	4.8	6.8	8.3	9.1	9.4	6.1	9.6	6.1	2.9
Greenlee	3.7	6.7	10.6	5.4	9.1	8.8	9.2	5.9	5.7	5.9	4.2
La Paz	1.6	0.2	3.0	1.3	1.2	2.1	-2.4	0.0	-0.7	-1.0	5.5
Maricopa	10.4	10.5	10.2	10.9	10.7	9.8	8.4	7.8	7.3	7.4	1.9
Mohave	-0.1	-0.3	-0.6	0.6	1.4	-0.8	-0.2	-1.7	-2.3	-3.7	1.7
Navajo	8.7	9.4	10.0	9.0	9.7	10.0	9.3	8.5	6.9	6.8	1.1
Pima	5.6	5.8	5.3	6.2	5.9	5.4	4.7	4.1	3.5	3.2	3.2
Pinal	6.1	6.4	7.1	9.3	11.1	11.5	10.1	7.3	5.8	5.7	3.0
Santa Cruz	14.1	13.9	11.9	11.4	10.8	11.5	10.0	9.1	9.3	7.6	7.0
Yavapai	-1.6	-0.5	-0.7	0.0	0.3	-0.7	-1.1	-2.9	-3.1	-4.0	2.7
Yuma	11.7	12.0	10.8	11.2	10.3	11.1	9.4	10	9.3	8.4	2.1

Note: [a] The difference between the birth rate per 1,000 population and the death rate per 1,000 population.

TABLE 5B-2
BIRTH RATES[a] BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	16.1	16.0	15.8	16.4	16.0	15.2	14.0	13.2	13.2	13.2	12.9
Apache	17.7	18.7	17.4	15.9	15.2	15.9	16.2	15.4	14.9	12.9	13.2
Cochise	13.9	13.9	13.4	13.4	13.5	12.8	13.0	13.6	12.7	13.0	12.3
Coconino	14.9	15.6	15.9	15.5	15.8	14.6	13.7	13.2	13.2	12.6	12.0
Gila	12.9	12.4	11.9	12.1	12.4	12.2	11.9	12.5	11.6	11.4	11.0
Graham	12.6	12.5	12.7	15.1	16.0	16.7	16.2	14.2	16.1	14.1	15.8
Greenlee	10.1	12.2	11.9	13.3	16.7	14.6	15.0	12.4	14.2	13.3	11.5
La Paz	10.4	10.9	11.6	10.7	10.6	11.4	8.0	9.8	8.3	9.8	9.7
Maricopa	17.4	17.2	17.1	17.6	17.0	16.0	14.5	14.2	13.9	14.0	13.7
Mohave	12.5	12.2	11.9	12.7	12.1	11.2	10.9	10.1	9.8	8.5	8.6
Navajo	16.5	16.7	17.3	16.7	17.4	16.9	16.4	16.2	15.3	15.1	14.3
Pima	14.1	14.0	13.6	14.2	13.7	13.3	12.6	12.4	12.0	12.0	12.0
Pinal	14.5	14.1	14.8	16.6	18.0	17.8	16.2	13.3	12.0	12.0	11.6
Santa Cruz	19.4	19.2	17.7	16.6	16.5	16.8	16.0	14.6	14.4	13.8	13.2
Yavapai	9.9	10.2	10.3	11.2	11.0	9.8	9.1	8.6	8.7	8.4	8.5
Yuma	18.2	18.3	17.4	17.2	16.1	16.5	15.8	16.5	16.0	15.2	14.9

Note: [a] The number of births per 1,000 population.

TABLE 5B-3
BIRTHS BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA[a]	90,783	93,396	95,798	102,042	102,687	99,215	92,616	87,053	85,190	85,725	84,963
Apache	1,250	1,336	1,283	1,189	1,149	1,211	1,242	1,099	1,071	930	951
Cochise	1,756	1,810	1,769	1,808	1,860	1,781	1,846	1,781	1,664	1,704	1,607
Coconino	1,920	2,027	2,070	2,062	2,132	1,985	1,894	1,775	1,771	1,689	1,625
Gila	692	668	649	667	694	697	704	670	620	609	590
Graham	434	451	452	540	582	644	645	530	606	525	600
Greenlee	87	102	99	110	138	131	130	105	119	114	125
La Paz	216	230	245	229	230	246	174	200	172	204	204
Maricopa	59,000	60,535	62,232	66,160	65,931	62,667	57,663	54,236	53,361	54,475	53,848
Mohave	2,135	2,191	2,237	2,468	2,439	2,301	2,220	2,022	1,962	1,736	1,742
Navajo	1,716	1,789	1,903	1,877	2,012	1,944	1,893	1,737	1,642	1,633	1,554
Pima	12,799	13,030	12,976	13,929	13,798	13,503	12,840	12,169	11,874	11,876	11,965
Pinal	2,919	3,068	3,641	4,467	5,285	5,731	5,309	4,990	4,607	4,656	4,564
Santa Cruz	792	808	781	753	766	796	761	693	694	671	652
Yavapai	1,850	1,997	2,115	2,380	2,411	2,216	2,061	1,817	1,829	1,782	1,820
Yuma	3,187	3,318	3,292	3,354	3,252	3,362	3,234	3,229	3,198	3,121	3,116

Note: [a] May include records with unknown county of residence.

TABLE 5B-4
BIRTHS BY COUNTY OF OCCURRENCE[a], ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	91,054	93,843	96,487	103,171	103,803	100,088	93,331	88,100	86,121	87,221	86,586
Apache	1,042	1,121	1,064	1,093	1,045	1,037	1,012	967	1,003	932	947
Cochise	1,481	1,522	1,481	1,474	1,455	1,424	1,450	1,303	1,091	1,096	1,077
Coconino	2,264	2,358	2,426	2,292	2,410	2,251	2,227	2,087	2,057	2,013	1,929
Gila	521	523	481	530	529	533	593	529	505	482	460
Graham	463	474	468	594	667	665	660	552	597	521	605
Greenlee	0	0	*	0	*	0	0	*	0	0	0
La Paz	8	*	0	*	*	*	0	*	6	*	*
Maricopa	61,519	63,275	65,601	70,437	70,956	68,112	62,708	59,036	57,046	58,188	57,529
Mohave	1,919	1,999	2,139	2,530	2,420	2,319	2,107	2,061	1,993	1,976	1,995
Navajo	1,293	1,347	1,452	1,514	1,591	1,537	1,481	1,369	1,271	1,288	1,236
Pima	13,792	14,072	14,054	15,057	15,056	14,647	14,019	13,393	13,138	13,228	13,235
Pinal	923	948	1,019	997	1,088	1,045	952	918	1,596	1,814	1,743
Santa Cruz	718	793	810	848	879	889	812	784	762	728	744
Yavapai	1,704	1,853	1,944	2,186	2,183	1,974	1,853	1,635	1,647	1,598	1,653
Yuma	3,407	3,556	3,547	3,615	3,519	3,650	3,457	3,460	3,409	3,354	3,385
Unknown	0	0	0	0	0	0	0	0	0	0	46

Notes: * Cell suppressed due to non-zero count less than 6; [a] Resident and non-resident births occurring in Arizona.

TABLE 5B-5
RESIDENT BIRTHS BY PLACE OF OCCURRENCE AND NON-RESIDENT BIRTHS BY COUNTY OF OCCURRENCE IN ARIZONA, 2013

County of residence	County of occurrence															Born in AZ	AZ resident born outside AZ	Total resident births
	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma			
Apache	693	0	25	0	0	0	0	37	0	193	0	*	0	0	0	949	*	950†
Cochise	*	1,030	0	0	17	0	0	12	0	0	545	0	0	0	0	1,605	*	1,610†
Coconino	*	0	1,531	0	*	0	0	51	8	16	0	*	0	14	0	1,624	*	1,630†
Gila	0	0	0	394	*	0	0	181	0	0	9	*	*	0	0	589	*	590†
Graham	0	*	0	53	472	0	0	31	0	0	42	*	0	0	0	600	0	600†
Greenlee	0	*	0	*	105	0	0	*	0	0	15	0	0	0	0	125	0	130†
La Paz	0	0	0	0	0	0	*	39	153	0	0	0	0	0	10	204	0	200†
Maricopa	8	*	14	*	*	0	0	53,568	*	7	36	162	*	*	17	53,830	18	53,850†
Mohave	0	0	7	0	0	0	0	43	1,687	0	*	0	0	*	*	1,740	*	1,740†
Navajo	155	0	285	*	0	0	0	89	0	1,013	6	0	0	*	0	1,552	*	1,550†
Pima	*	*	0	0	*	0	0	88	*	0	11,830	18	11	*	*	11,960	*	11,970†
Pinal	0	0	*	8	*	0	0	2,779	0	*	213	1,555	*	*	*	4,563	*	4,560†
Santa Cruz	0	*	0	0	0	0	0	*	0	0	191	0	454	0	0	651	*	650†
Yavapai	0	0	41	0	0	0	0	152	*	*	0	0	0	1,624	0	1,820	0	1,820†
Yuma	*	*	0	0	0	0	0	39	0	0	*	0	0	0	3,068	3,113	*	3,120†
AZ resident	862	1,041	1,904	459	600	0	2	57,117	1,854	1,231	12,892	1,741	471	1,649	3,102	84,925	38	84,963
Non-resident born in AZ	92	36	25	1	5	0	0	412	141	5	343	2	273	4	283	1,661		
Total born in specified county	954	1,077	1,929	460	605	0	2	57,529	1,995	1,236	13,235	1,743	744	1,653	3,385	86,586		

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

TABLE 5B-6
NUMBER OF BIRTHS BY MONTH AND COUNTY OF RESIDENCE, ARIZONA, 2013

	TOTAL	Month of birth											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ARIZONA	84,963	7,090	6,410†	7,083	6,694	6,681	6,685	7,337	7,436	7,538	7,515	7,130	7,360
Apache	951	92	65	85	77	64	88	80	76	83	80	83	78
Cochise	1,607	132	123	145	126	97	116	157	153	148	136	123	151
Coconino	1,625	131	135	132	148	131	124	138	123	136	153	121	153
Gila	590	50	48	41	52	44	48	55	51	54	53	46	48
Graham	600	41	42	66	46	43	41	43	54	62	47	58	57
Greenlee	130†	7	*	9	6	13	10	9	8	20	8	12	18
La Paz	204	13	19	18	13	17	13	25	18	20	13	12	23
Maricopa	53,848	4,497	4,048	4,512	4,253	4,226	4,254	4,641	4,711	4,768	4,798	4,490	4,650
Mohave	1,742	150	155	127	153	135	141	149	152	141	142	143	154
Navajo	1,554	133	133	128	128	132	139	134	132	116	135	122	122
Pima	11,965	981	864	997	970	981	926	1,050	1,023	1,054	1,054	1,040	1,025
Pinal	4,564	390	350	386	324	360	354	390	425	404	400	377	404
Santa Cruz	652	59	51	57	45	50	40	47	64	58	58	59	64
Yavapai	1,820	135	140	167	131	158	160	149	151	168	150	168	143
Yuma	3,116	279	236	213	222	230	231	270	295	306	288	276	270

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

TABLE 5B-7
BIRTHS BY MOTHER'S RACE/ETHNICITY, THE PARTY PAYING FOR THE DELIVERY, AND COUNTY OF RESIDENCE, ARIZONA, 2013

		ARIZONA	County of residence														
			Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
All race/ethnic groups	**Total**	84,963	951	1,607	1,625	590	600	130†	200†	53,848	1,742	1,554	11,965	4,564	650†	1,820	3,116
	AHCCCS	45,792	718	803	870	301	256	42	126	28,346	1,101	1,111	6,349	2,322	430	1,133	1,884
	IHS	1,081	113	0	154	133	80	*	27	237	24	116	91	77	*	8	18
	Private Insurance	34,996	105	735	573	140	229	75	47	23,440	524	286	5,095	2,026	138	580	1,003
	Self	2,954	12	66	25	13	34	6	*	1,738	89	38	420	130	81	94	205
	Unknown	140	*	*	*	*	*	*	*	87	*	*	10	9	*	*	6
White non-Hispanic	**Total**	38,220	160†	787	849	270†	310†	60†	90†	24,558	1,260†	546	5,020†	2,370†	36	1,290†	640†
	AHCCCS	13,664	75	285	353	166	134	16	54	7,823	779	299	1,800	933	16	727	204
	IHS	60†	*	0	7	*	*	0	*	22	*	6	*	*	0	*	*
	Private Insurance	22,894	68	473	468	86	158	39	27	15,604	405	214	3,078	1,355	14	488	417
	Self	1,530†	10	27	18	9	15	*	*	1,062	69	27	134	77	6	63	12
	Unknown	80†	*	*	*	*	*	*	*	47	*	0	*	*	0	*	*
Hispanic or Latino	**Total**	33,075	30†	682	140†	110†	172	60†	50†	21,186	360†	115	5,346	1,460†	600†	420†	2,340†
	AHCCCS	24,063	23	446	95	79	98	20	43	15,960	271	87	3,618	965	407	340	1,611
	IHS	50†	*	0	*	*	0	0	*	18	*	0	10	*	*	*	*
	Private Insurance	7,768	7	201	35	33	60	31	6	4,693	75	20	1,460	443	120	55	529
	Self	1,150†	*	34	*	*	14	*	*	483	17	8	251	38	74	25	191
	Unknown	50†	*	*	0	0	0	0	0	32	0	0	7	*	*	0	*
Black or African American	**Total**	4,730†	0†	70†	20†	10†	0†	0†	0†	3,730†	10†	10†	594	210†	10†	20†	50†
	AHCCCS	3,300†	*	40	11	*	*	*	0	2,662	12	*	406	118	*	8	27
	IHS	10†	0	0	*	0	0	0	0	*	0	0	0	*	0	0	*
	Private Insurance	1,300†	*	29	*	*	*	0	*	975	*	*	175	84	*	7	17
	Self	110†	0	*	0	0	0	0	0	90	0	0	13	*	*	*	*
	Unknown	10†	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0
American Indian or Alaska Native	**Total**	5,480†	756	15	590†	200†	110†	10†	62	1,722	70†	870†	540†	425	0†	70†	50†
	AHCCCS	3,750†	618	9	395	51	21	*	29	1,166	19	714	369	274	*	45	33
	IHS	970†	111	0	142	130	79	*	22	193	22	110	76	71	0	*	9
	Private Insurance	700†	26	6	49	16	8	*	11	335	21	43	87	73	0	15	*
	Self	50†	0	0	*	*	*	0	0	26	*	*	*	6	0	*	0
	Unknown	10†	*	0	0	*	0	0	0	*	*	*	*	*	0	0	0
Asian or Pacific Islander	**Total**	3,470†	0†	50†	40†	0†	0†	0†	0	2,650†	40†	13	471	110	0†	30†	50†
	AHCCCS	1,010†	0	23	16	*	*	*	0	735	20	6	156	32	*	13	9
	IHS	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
	Private Insurance	2,330†	*	26	17	*	*	*	0	1,833	22	7	295	71	*	15	35
	Self	110†	*	*	*	0	0	0	0	77	*	0	20	7	0	*	*
	Unknown	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program. IHS is the Indian Health Service.

TABLE 5B-8
BIRTHS BY MOTHER'S RACE/ETHNICITY, CHILD'S GENDER, AND COUNTY OF RESIDENCE, ARIZONA, 2013

	All race/ethnic groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
ARIZONA	84,963	43,638	41,325	38,220	19,605	18,615	33,075	16,981	16,094	4,726	2,447	2,279	5,476	2,824	2,652	3,466	1,781	1,685
Apache	951	484	467	155	78	77	33	16	17	0†	*	0	756	384	372	0†	*	*
Cochise	1,607	828	779	787	397	390	682	361	321	70	34	36	15	9	6	53	27	26
Coconino	1,625	832	793	849	424	425	138	72	66	20†	11	*	587	304	283	35	21	14
Gila	590	301	289	265	142	123	114	54	60	10†	6	*	201	98	103	0†	*	*
Graham	600	306	294	309	172	137	172	77	95	0†	0	*	113	55	58	0†	*	*
Greenlee	125	68	57	57	32	25	56	29	27	0†	*	0	10†	*	*	0†	*	*
La Paz	204	100	104	87	38	49	52	28	24	0†	*	*	62	32	30	0	0	0
Maricopa	53,848	27,677	26,171	24,558	12,582	11,976	21,186	10,908	10,278	3,733	1,920	1,813	1,722	897	825	2,649	1,370	1,279
Mohave	1,742	929	813	1,257	673	584	364	199	165	13	7	6	65	25	40	43	25	18
Navajo	1,554	797	757	546	275	271	115	58	57	10†	*	*	873	456	417	13	6	7
Pima	11,965	6,114	5,851	5,019	2,532	2,487	5,346	2,739	2,607	594	321	273	535	284	251	471	238	233
Pinal	4,564	2,390	2,174	2,368	1,259	1,109	1,455	757	698	206	104	102	425	220	205	110	50	60
Santa Cruz	652	319	333	36	22	14	604	290	314	10†	*	*	0†	0	*	0†	*	*
Yavapai	1,820	920	900	1,286	649	637	421	216	205	18	8	10	66	34	32	29	13	16
Yuma	3,116	1,573	1,543	641	330	311	2,337	1,177	1,160	46	23	23	47	23	24	45	20	25

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

TABLE 5B-9
NUMBER OF BIRTHS BY MOTHER'S AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Mother's age group									
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
ARIZONA	84,963	70†	1,990†	5,166	21,464	24,666	19,969	9,397	2,070†	170†	0†
Apache	950†	*	38	76	275	281	167	88	25	0	0
Cochise	1,610†	0	37	102	480	492	350	127	16	*	0
Coconino	1,630†	*	46	109	418	484	359	168	36	*	0
Gila	590†	*	24	60	196	173	88	38	9	*	0
Graham	600†	*	20	49	221	171	92	42	*	0	0
Greenlee	130†	0	*	9	45	32	27	7	*	0	0
La Paz	200†	0	8	24	67	60	29	15	*	0	0
Maricopa	53,848	41	1,169	3,021	12,676	15,573	13,277	6,515	1,450	124	*
Mohave	1,740†	*	35	139	605	513	302	122	23	*	0
Navajo	1,550†	*	44	140	524	415	269	125	31	*	0
Pima	11,965	12	283	712	3,072	3,459	2,856	1,263	285	23	0
Pinal	4,560†	*	98	292	1,166	1,405	1,068	446	83	*	0
Santa Cruz	650†	*	23	53	185	162	145	72	10	0	0
Yavapai	1,820†	*	39	119	546	541	372	153	44	*	0
Yuma	3,120†	*	117	261	988	905	568	216	53	*	0

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

TABLE 5B-10
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND COUNTY OF RESIDENCE, ARIZONA, 2013

		Total	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
ARIZONA	**Total**	84,963	70†	1,985	5,166	21,464	24,666	19,969	9,397	2,071	172	0†
	White non-Hispanic	38,220	8	365	1,408	7,936	11,972	10,739	4,710	987	94	*
	Hispanic or Latino	33,075	47	1,244	2,789	9,947	8,922	6,160	3,193	726	46	*
	Black or African American	4,726	6	122	379	1,464	1,307	918	425	97	8	0
	American Indian or Alaska Native	5,476	8	243	524	1,778	1,469	924	420	99	11	0
	Asian or Pacific Islander	3,466	*	11	66	339	996	1,228	649	162	13	0
Apache	**Total**	950†	0†	40†	80†	275	280†	170†	90†	30†	0	0
	White non-Hispanic	160†	0	*	6	44	58	35	7	*	0	0
	Hispanic or Latino	30†	0	0	*	14	10	*	*	0	0	0
	Black or African American	0†	0	*	0	0	*	0	0	0	0	0
	American Indian or Alaska Native	760†	*	34	65	217	210	130	78	21	0	0
	Asian or Pacific Islander	0†	0	0	0	0	*	0	*	*	0	0
Cochise	**Total**	1,610†	0	40†	100†	480	490†	350†	130†	20†	0†	0
	White non-Hispanic	790†	0	9	36	207	267	203	55	7	*	0
	Hispanic or Latino	682	0	26	57	235	190	112	54	8	0	0
	Black or African American	70†	0	*	*	19	22	16	7	0	0	0
	American Indian or Alaska Native	20†	0	0	0	8	*	*	*	0	0	0
	Asian or Pacific Islander	50†	0	*	*	11	11	15	10	*	0	0
Coconino	**Total**	1,630†	0†	50†	110†	418	480†	360†	170†	40†	0†	0
	White non-Hispanic	849	0	10	45	186	283	214	92	19	0	0
	Hispanic or Latino	140†	0	8	8	41	26	25	24	*	*	0
	Black or African American	20†	0	*	*	6	*	*	0	0	0	0
	American Indian or Alaska Native	590†	*	26	53	178	163	102	50	12	*	0
	Asian or Pacific Islander	40†	0	0	*	7	9	14	*	*	0	0
Gila	**Total**	590†	0†	20†	60	200†	170†	90†	40†	10†	0†	0
	White non-Hispanic	270†	0	*	21	82	90	41	24	6	0	0
	Hispanic or Latino	110†	0	*	11	43	33	17	*	*	0	0
	Black or African American	10†	0	0	0	*	*	0	*	0	0	0
	American Indian or Alaska Native	200†	*	20	28	66	49	29	7	0	*	0
	Asian or Pacific Islander	0†	0	0	0	0	0	*	*	*	0	0
Graham	**Total**	600†	0†	20†	49	221	170†	90†	40†	0†	0	0
	White non-Hispanic	310†	0	7	13	115	103	44	24	*	0	0
	Hispanic or Latino	170†	0	*	22	63	42	30	10	0	0	0
	Black or African American	0†	0	0	0	0	*	*	0	*	0	0
	American Indian or Alaska Native	110†	*	8	14	43	25	15	7	0	0	0
	Asian or Pacific Islander	0†	0	0	0	0	0	*	*	0	0	0
Greenlee	**Total**	130†	0	0†	10†	50†	30†	30†	10†	0†	0	0
	White non-Hispanic	60†	0	*	*	18	16	15	*	*	0	0
	Hispanic or Latino	60†	0	*	*	25	14	8	*	0	0	0
	Black or African American	0†	0	0	*	0	0	0	0	0	0	0
	American Indian or Alaska Native	10†	0	0	*	*	0	*	*	0	0	0
	Asian or Pacific Islander	0†	0	0	0	*	*	*	0	0	0	0
La Paz	**Total**	200†	0	10†	24	70†	60	30†	20†	0†	0	0
	White non-Hispanic	90†	0	*	8	31	30	7	8	0	0	0
	Hispanic or Latino	50†	0	*	8	13	15	10	*	0	0	0
	Black or African American	0†	0	0	0	*	0	*	0	0	0	0
	American Indian or Alaska Native	60†	0	*	8	21	15	11	*	*	0	0
	Asian or Pacific Islander	0	0	0	0	0	0	0	0	0	0	0
Maricopa	**Total**	53,848	40†	1,169	3,021	12,676	15,573	13,277	6,515	1,450	120†	0†
	White non-Hispanic	24,560†	*	199	729	4,540	7,665	7,292	3,354	706	68	*
	Hispanic or Latino	21,186	29	794	1,799	6,183	5,666	3,977	2,188	512	37	*
	Black or African American	3,730†	*	107	297	1,155	1,012	734	342	75	6	0
	American Indian or Alaska Native	1,720†	*	61	150	562	469	325	124	26	*	0
	Asian or Pacific Islander	2,650†	*	8	46	236	761	949	507	131	9	0

TABLE 5B-10 (continued)
BIRTHS BY MOTHER'S AGE GROUP, RACE/ETHNICITY, AND COUNTY OF RESIDENCE, ARIZONA, 2013

		Total	Mother's age group									
			<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Un-known
Mohave	**Total**	1,740†	0†	40†	140†	610†	513	300†	120†	20†	0†	0
	White non-Hispanic	1,260†	*	19	100	439	383	218	77	18	*	0
	Hispanic or Latino	360†	0	12	33	135	97	53	30	*	0	0
	Black or African American	10†	0	0	0	*	6	*	*	0	0	0
	American Indian or Alaska Native	70†	0	*	*	18	17	16	*	*	0	0
	Asian or Pacific Islander	40†	0	*	*	8	10	14	9	0	0	0
Navajo	**Total**	1,550†	0†	40†	140†	520†	420†	270†	130†	31	0†	0
	White non-Hispanic	550†	*	*	40	160	165	116	49	10	0	0
	Hispanic or Latino	120†	0	*	10	46	31	15	9	0	0	0
	Black or African American	10†	0	0	*	*	*	0	*	0	0	0
	American Indian or Alaska Native	870†	*	35	88	315	211	134	64	21	*	0
	Asian or Pacific Islander	10†	0	0	0	*	6	*	*	0	0	0
Pima	**Total**	11,965	10†	280†	712	3,072	3,459	2,856	1,263	285	20†	0
	White non-Hispanic	5,019	0	51	198	1,056	1,508	1,469	604	120	13	0
	Hispanic or Latino	5,350†	10	193	398	1,618	1,490	1,024	488	121	*	0
	Black or African American	590†	*	8	49	183	172	111	53	15	*	0
	American Indian or Alaska Native	540†	*	30	57	168	147	85	34	12	*	0
	Asian or Pacific Islander	470†	0	*	10	47	142	167	84	17	*	0
Pinal	**Total**	4,560†	0†	100†	290†	1,166	1,405	1,068	446	80†	0†	0
	White non-Hispanic	2,370†	*	33	107	524	780	620	250	52	*	0
	Hispanic or Latino	1,460†	*	43	125	430	406	308	122	18	*	0
	Black or African American	210†	0	*	18	61	63	43	15	*	0	0
	American Indian or Alaska Native	430†	0	20	41	137	128	60	37	*	0	0
	Asian or Pacific Islander	110†	0	0	*	14	28	37	22	7	*	0
Santa Cruz	**Total**	650†	0†	23	50†	190†	160†	150†	72	10†	0	0
	White non-Hispanic	40†	0	0	0	7	14	8	6	*	0	0
	Hispanic or Latino	600†	*	23	52	174	144	134	66	9	0	0
	Black or African American	10†	0	0	*	*	*	0	0	0	0	0
	American Indian or Alaska Native	0†	0	0	0	0	*	*	0	0	0	0
	Asian or Pacific Islander	0†	0	0	0	0	*	*	0	0	0	0
Yavapai	**Total**	1,820†	0†	40†	120†	550†	541	370†	150†	40†	0†	0
	White non-Hispanic	1,290†	0	18	72	371	404	280	105	32	*	0
	Hispanic or Latino	420†	*	19	40	138	102	75	37	8	0	0
	Black or African American	20†	0	0	*	6	6	*	*	0	0	0
	American Indian or Alaska Native	70†	0	*	*	27	19	6	6	*	0	0
	Asian or Pacific Islander	30†	0	0	*	*	10	8	*	*	0	0
Yuma	**Total**	3,120†	0†	120†	260†	988	905	570†	220†	50†	10†	0
	White non-Hispanic	640†	0	7	30	156	206	177	52	9	*	0
	Hispanic or Latino	2,340†	*	108	217	789	656	370	153	40	*	0
	Black or African American	50†	0	0	*	17	17	*	*	*	0	0
	American Indian or Alaska Native	50†	0	*	10	17	13	*	*	*	0	0
	Asian or Pacific Islander	50†	0	0	*	9	13	14	7	*	0	0

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

TABLE 5B-11
BIRTHS BY TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN AND MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2013

	Total		No care		1st trimester		2nd trimester		3rd trimester		Unknown	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
ARIZONA	84,963	100.0	1,180†	1.4	69,076	81.3	11,511	13.5	3,070†	3.6	130†	0.2
Apache	951	100.0	14	1.5	650	68.3	226	23.8	59	6.2	*	**
Cochise	1,607	100.0	60	3.7	1,213	75.5	246	15.3	85	5.3	*	**
Coconino	1,625	100.0	21	1.3	1,379	84.9	183	11.3	41	2.5	*	**
Gila	590	100.0	19	3.2	403	68.3	134	22.7	32	5.4	*	**
Graham	600	100.0	17	2.8	434	72.3	122	20.3	26	4.3	*	**
Greenlee	125	100.0	*	0.0	91	72.8	27	21.6	*	**	*	**
La Paz	204	100.0	*	**	162	79.4	29	14.2	8	3.9	*	**
Maricopa	53,848	100.0	482	0.9	45,624	84.7	6,191	11.5	1,469	2.7	82	0.2
Mohave	1,742	100.0	48	2.8	1,415	81.2	235	13.5	42	2.4	*	**
Navajo	1,554	100.0	20	1.3	1,095	70.5	364	23.4	71	4.6	*	**
Pima	11,965	100.0	228	1.9	8,830	73.8		18.1	716	6.0	20	0.2
Pinal	4,564	100.0	52	1.1	3,900	85.5	507	11.1	101	2.2	*	**
Santa Cruz	652	100.0	30	4.6	418	64.1	142	21.8	60	9.2	*	**
Yavapai	1,820	100.0	16	0.9	1,492	82.0	271	14.9	37	2.0	*	**
Yuma	3,116	100.0	167	5.4	1,970	63.2	663	21.3	315	10.1	*	**

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

TABLE 5B-12
BIRTHS BY NUMBER OF PRENATAL VISITS AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total		Number of prenatal visits											
			No visits		1-4 visits		5-8 visits		9-12 visits		13+ visits		Unknown	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
ARIZONA	84,963	100.0	1,180†	1.4	3,190†	3.8	11,457	13.5	39,379	46.3	29,601	34.8	160†	0.2
Apache	951	100.0	14	1.5	56	5.9	250	26.3	423	44.5	206	21.7	*	**
Cochise	1,607	100.0	60	3.7	78	4.9	228	14.2	558	34.7	676	42.1	7	0.4
Coconino	1,625	100.0	21	1.3	77	4.7	211	13.0	777	47.8	538	33.1	*	**
Gila	590	100.0	19	3.2	56	9.5	132	22.4	250	42.4	131	22.2	*	**
Graham	600	100.0	17	2.8	47	7.8	143	23.8	243	40.5	149	24.8	*	**
Greenlee	125	100.0	*	**	*	**	30	24.0	54	43.2	35	28.0	*	**
La Paz	204	100.0	*	**	15	7.4	41	20.1	67	32.8	76	37.3	*	**
Maricopa	53,848	100.0	482	0.9	1,490	2.8	6,082	11.3	25,795	47.9	19,905	37.0	94	0.2
Mohave	1,742	100.0	48	2.8	58	3.3	299	17.2	666	38.2	668	38.3	*	**
Navajo	1,554	100.0	20	1.3		6.8	364	23.4	682	43.9	374	24.1	8	0.5
Pima	11,965	100.0	228	1.9	694	5.8	2,137	17.9	5,306	44.3	3,577	29.9	23	0.2
Pinal	4,564	100.0	52	1.1	137	3.0	492	10.8	2,140	46.9	1,738	38.1	*	**
Santa Cruz	652	100.0	30	4.6	80	12.3	217	33.3	250	38.3	73	11.2	*	**
Yavapai	1,820	100.0	16	0.9	61	3.4	166	9.1	864	47.5	708	38.9	*	**
Yuma	3,116	100.0	167	5.4	232	7.4	665	21.3	1,304	41.8	747	24.0	*	**

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

TABLE 5B-13
BIRTHS BY MOTHER'S EDUCATION AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Mother's education						
		<8	8	9-11	12	13-16	17+	Unknown
ARIZONA	84,963	1,900†	1,340†	11,691	26,226	34,684	8,630†	500†
Apache	951	0	7	129	344	428	36	7
Cochise	1,607	12	25	191	570	710	92	7
Coconino	1,625	18	14	203	594	612	178	6
Gila	590	8	10	131	249	164	25	*
Graham	600	*	9	100	252	221	14	*
Greenlee	125	0	0	20	52	49	*	*
La Paz	204	*	*	49	93	47	7	*
Maricopa	53,848	1,514	893	7,012	15,264	22,577	6,197	391
Mohave	1,742	14	20	286	795	557	62	8
Navajo	1,554	8	25	250	648	572	50	*
Pima	11,965	163	147	1,653	3,608	4,991	1,357	46
Pinal	4,564	40	56	647	1,598	1,966	241	16
Santa Cruz	652	8	23	126	228	214	52	*
Yavapai	1,820	41	26	305	678	670	93	7
Yuma	3,116	65	81	589	1,253	906	218	*

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

TABLE 5B-14
BIRTHS TO UNWED MOTHERS BY AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Mother's age group								
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
ARIZONA	38,352	70†	6,414	14,175	9,429	5,185	2,420†	618	40†	0†
Apache	657	*	110	220	173	80	57	16	0	0
Cochise	649	0	117	268	142	83	29	8	2	0
Coconino	837	*	137	294	221	114	54	14	2	0
Gila	342	*	78	139	75	31	12	6	0	0
Graham	272	*	59	119	60	23	10	0	0	0
Greenlee	55	0	12	23	10	8	*	0	0	0
La Paz	129	0	27	45	36	16	*	0	0	0
Maricopa	23,374	41	3,765	8,463	5,817	3,301	1,570	388	26	*
Mohave	963	*	159	415	235	108	35	9	0	0
Navajo	964	*	162	394	214	114	64	12	1	0
Pima	5,546	12	895	2,073	1,380	734	344	104	3	0
Pinal	2,035	*	360	751	498	282	118	22	2	0
Santa Cruz	325	*	68	121	68	41	19	6	0	0
Yavapai	768	*	135	298	175	106	36	16	0	0
Yuma	1,436	*	330	552	325	144	64	17	*	0

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

TABLE 5B-15
BIRTHS TO UNWED MOTHERS BY RACE/ETHNICITY, EDUCATION, AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Race/ethnicity					Education						
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	<8	8	9-11	12	13-16	17+	Un-known
ARIZONA	38,352	11,564	18,886	3,010†	4,340†	560†	970†	920†	8,638	15,510	11,218	900†	200†
Apache	657	38	16	*	601	0	0	6	108	259	263	17	*
Cochise	649	234	358	38	6	13	*	14	133	291	198	*	*
Coconino	837	293	64	9	464	7	8	8	163	413	227	15	*
Gila	342	116	66	*	156	0	*	9	102	160	63	*	*
Graham	272	82	100	0	90	0	*	6	80	136	44	*	*
Greenlee	55	16	32	*	*	*	0	0	15	27	13	0	0
La Paz	129	53	24	*	51	0	*	*	36	58	25	*	*
Maricopa	23,374	6,905	12,329	2,439	1,300	401	790	592	5,182	8,996	7,050	602	162
Mohave	963	686	208	10	47	12	7	17	198	497	227	16	*
Navajo	964	171	60	*	728	*	*	19	196	463	274	7	0
Pima	5,546	1,592	3,075	336	459	84	61	98	1,223	2,253	1,736	159	16
Pinal	2,035	725	807	132	347	24	23	45	510	864	559	31	*
Santa Cruz	325	12	310	*	*	0	*	16	96	116	82	11	0
Yavapai	768	474	238	8	44	*	22	17	208	343	169	9	0
Yuma	1,436	167	1,199	24	37	9	35	67	388	634	288	23	*

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

TABLE 5B-16
LOW-BIRTHWEIGHT BIRTHS BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA[a]	6,427	6,704	6,640	7,266	7,285	7,026	6,573	6,155	5,949	5,946	5,849
Apache	84	102	101	80	69	89	91	75	67	60	53
Cochise	131	128	144	171	140	141	152	142	135	123	122
Coconino	161	175	173	175	158	155	154	131	144	140	117
Gila	59	55	52	59	61	72	55	59	49	35	49
Graham	19	36	31	46	48	62	46	27	41	40	47
Greenlee	6	8	7	*	13	9	7	10	6	6	7
La Paz	9	11	9	14	21	16	9	*	12	13	14
Maricopa	4,110	4,271	4,253	4,638	4,662	4,370	4,113	3,851	3,720	3,731	3,707
Mohave	145	146	133	155	180	141	136	141	100	104	111
Navajo	134	150	149	152	152	160	148	154	143	136	131
Pima	970	969	907	1,047	978	1,024	895	853	841	842	845
Pinal	195	224	285	298	346	358	352	330	319	333	298
Santa Cruz	60	78	50	52	49	61	73	58	48	51	46
Yavapai	132	141	154	171	189	146	154	115	139	142	139
Yuma	204	202	185	195	219	222	188	204	185	190	163

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes records with unknown county of residence.

TABLE 5B-17
LOW-BIRTHWEIGHT BIRTH RATIOS[a] IN THE URBAN AND RURAL COUNTIES OF ARIZONA, 2003-2013

County of residence	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	70.8	71.8	69.3	71.2	70.9	70.8	71.0	70.7	69.8	69.4	68.8
URBAN COUNTIES	**70.3**	**70.9**	**68.5**	**70.3**	**70.3**	**70.1**	**70.2**	**70.2**	**69.3**	**68.7**	**68.2**
Maricopa	69.7	70.6	68.3	70.1	70.7	69.7	71.3	71.0	69.7	68.5	68.8
Pinal[b]	66.8	73.0	78.3	66.7	70.9	62.5	70.0	66.1	69.2	71.5	65.3
Pima	75.8	74.4	69.9	75.2	65.5	75.8	66.3	70.1	70.8	70.9	70.6
Yuma	64.0	60.9	56.2	58.1	67.3	66.0	58.1	63.2	57.8	60.9	52.3
RURAL COUNTIES	**73.2**	**79.5**	**73.7**	**76.7**	**74.9**	**75.4**	**75.5**	**73.8**	**72.8**	**73.3**	**72.9**
Apache	67.2	76.3	78.7	67.3	60.1	70.8	73.3	68.2	62.6	64.5	55.7
Cochise	74.6	70.7	81.4	94.6	75.3	73.5	82.3	79.7	81.1	72.2	75.9
Coconino	83.9	86.3	83.6	84.9	74.1	79.2	81.3	73.8	81.3	82.9	72.0
Gila	85.3	82.3	80.1	88.5	87.9	78.1	78.1	88.1	79.0	57.5	83.1
Graham	43.8	79.8	68.6	85.2	82.5	103.3	71.3	50.9	67.7	76.2	78.3
Greenlee	69.0	78.4	70.7	45.5	94.2	96.3	53.8	95.2	50.4	52.6	56.0
La Paz	41.7	47.8	36.7	61.1	91.3	65.0	51.7	25.0	69.8	63.7	68.6
Mohave	67.9	66.6	59.5	62.8	73.8	61.3	61.3	69.7	51.0	59.9	63.7
Navajo	78.1	83.8	78.3	81.0	75.5	82.3	78.2	88.7	87.1	83.3	84.4
Santa Cruz	75.8	96.5	64.0	69.1	64.0	76.6	95.9	83.7	69.2	76.0	70.7
Yavapai	71.4	70.6	72.8	71.8	78.4	65.9	74.7	63.3	76.0	79.7	76.4

Notes: [a] Per 1,000 live births; [b] Pinal county became part of the Phoenix-Mesa-Scottsdale Metropolitan Area in 1993. This metropolitan area includes all of Maricopa and Pinal counties.

TABLE 5B-18
LOW-BIRTHWEIGHT BIRTHS BY MOTHER'S RACE/ETHNICITY AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Mother's race/ethnicity				
		White non Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander
ARIZONA	5,849	2,460†	2,200†	520†	390†	280†
Apache	53	12	*	*	37	*
Cochise	122	59	52	8	*	*
Coconino	117	65	18	0	31	*
Gila	49	25	*	0	18	*
Graham	47	19	19	0	9	0
Greenlee	7	*	*	0	*	0
La Paz	14	*	*	0	7	0
Maricopa	3,707	1,526	1,426	410	125	220
Mohave	111	80	23	0	*	*
Navajo	131	37	11	*	79	*
Pima	845	349	351	78	35	32
Pinal	298	143	91	21	40	*
Santa Cruz	46	*	43	0	0	*
Yavapai	139	105	28	*	*	*
Yuma	163	30	127	*	*	*

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

TABLE 5B-19
LOW-BIRTHWEIGHT BIRTHS BY MOTHER'S AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Mother's age group								
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
ARIZONA	5,849	10†	520†	1,540†	1,560†	1,270†	720†	200†	30†	0†
Apache	53	0	6	15	19	8	*	*	0	0
Cochise	122	0	12	38	37	23	11	*	0	0
Coconino	117	0	7	27	37	23	17	*	*	0
Gila	49	0	9	23	8	*	*	*	0	0
Graham	47	0	*	17	14	10	*	0	0	0
Greenlee	7	0	0	*	*	*	*	0	0	0
La Paz	14	0	*	*	*	*	*	0	0	0
Maricopa	3,707	6	308	916	953	865	496	140	21	*
Mohave	111	0	7	35	34	24	10	*	0	0
Navajo	131	0	13	48	27	24	13	*	*	0
Pima	845	*	76	248	232	177	77	29	*	0
Pinal	298	0	32	62	88	59	46	9	*	*
Santa Cruz	46	0	7	12	10	8	8	*	0	0
Yavapai	139	0	14	49	42	20	10	*	0	0
Yuma	163	0	19	46	55	22	18	*	*	0

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

TABLE 5B-20
TOTAL BIRTHS AND LOW-BIRTHWEIGHT BIRTHS BY THE PARTY PAYING FOR THE DELIVERY AND COUNTY OF RESIDENCE, ARIZONA, 2013

				ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
TOTAL	**ALL GROUPS**	**Weight at birth**	**<2,500 g**	5,849	53	122	117	49	47	7	14	3,707	111	131	845	298	46	139	163	0
			2,500+ g	79,032	896	1,483	1,506	541	553	118	190	50,092	1,627	1,420	11,108	4,264	604	1,677	2,952	*
			Unknown	80†	*	*	*	0	0	0	0	49	*	*	12	*	*	*	*	*
		Total		84,963	951	1,607	1,625	590	600	125	204	53,848	1,742	1,553	11,965	4,563	651	1,820	3,116	0†
Payee for birth	**AHCCCS[a]**	**Weight at birth**	**<2,500 g**	3,360†	44	66	59	29	29	*	9	2,098	65	98	499	158	27	82	93	0
			2,500+ g	42,384	674	736	809	272	227	38	117	26,217	1,034	1,011	5,843	2,163	403	1,049	1,791	0
			Unknown	50†	0	*	*	0	0	0	0	31	*	*	7	*	0	*	0	0
		Total		45,792	718	803	870	301	256	40†	126	28,346	1,101	1,111	6,349	2,322	430	1,133	1,884	0
	IHS	**Weight at birth**	**<2,500 g**	60†	*	0	10	*	*	0	*	15	*	13	*	*	0	0	*	0
			2,500+ g	1,020†	111	0	144	129	78	*	26	220	23	102	85	73	*	8	17	0
			Unknown	10†	*	0	0	0	0	0	0	*	0	0	*	0	0	0	0	*
		Total		1,080†	110†	0	154	130†	80†	0†	30†	237	20†	115	90†	80†	0†	8	20†	1
	Private insurance	**Weight at birth**	**<2,500 g**	2,240†	6	49	44	15	12	*	*	1,502	38	17	313	129	13	45	51	0
			2,500+ g	32,738	98	685	529	125	217	72	43	21,928	485	269	4,779	1,897	125	534	952	0
			Unknown	20†	*	*	0	0	0	0	0	10	*	0	*	0	0	*	0	0
		Total		34,996	105	735	573	140	229	80†	50†	23,440	524	286	5,095	2,026	138	580	1,003	0
	Self	**Weight at birth**	**<2,500 g**	170†	*	7	*	*	*	0	0	78	7	*	28	7	6	9	18	0
			2,500+ g	2,780†	11	59	24	12	30	6	*	1,656	81	35	391	123	74	85	187	0
			Unknown	10†	0	0	0	0	0	0	0	*	*	0	*	0	*	0	0	0
		Total		2,950†	10†	66	30†	10†	30†	6	0†	1,738	89	40†	420	130	81	94	205	0
	Unknown	**Weight at birth**	**<2,500 g**	20†	*	0	*	0	0	0	0	14	0	0	0	0	0	*	0	0
			2,500+ g	110†	*	*	0	*	*	*	*	71	*	*	10	8	0	*	*	*
			Unknown	10†	0	0	0	0	0	0	0	*	0	0	0	0	0	*	*	*
		Total		140†	0†	0†	0†	0†	0†	0†	0†	87	0†	0†	10	8	0	10†	10†	0†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] The Arizona Health Care Containment System (AHCCCS) is the State's Medicaid Program.

TABLE 5B-21
DISTRIBUTION OF LOW-BIRTHWEIGHT (LBW) BIRTHS AND LBW RISK BY NUMBER OF PRENATAL VISITS AND COUNTY OF RESIDENCE, ARIZONA, 2013

			Prenatal visits						Total
			No visits	1-4 visits	5-8 visits	9-12 visits	13+ visits	Unknown	
Apache	Births <2,500 grams (LBW)	Count	*	10	15	18	7	*	50†
		Share of LBW births[a]	3.8%	18.9%	28.3%	34.0%	13.2%	1.9%	100.0%
		LBW risk[b]	14.3%	17.9%	6.0%	4.3%	3.4%	50.0%	5.6%
	Total births	Count	14	56	250	423	206	*	951
Cochise	Births <2,500 grams (LBW)	Count	7	10	37	35	33	0	122
		Share of LBW births[a]	5.7%	8.2%	30.3%	28.7%	27.0%	0.0%	100.0%
		LBW risk[b]	11.7%	12.8%	16.2%	6.3%	4.9%	0.0%	7.6%
	Total births	Count	60	78	228	558	676	7	1,607
Coconino	Births <2,500 grams (LBW)	Count	*	12	19	46	39	0	120†
		Share of LBW births[a]	0.9%	10.3%	16.2%	39.3%	33.3%	0.0%	100.0%
		LBW risk[b]	4.8%	15.6%	9.0%	5.9%	7.2%	0.0%	7.2%
	Total births	Count	21	77	211	777	538	*	1,625
Gila	Births <2,500 grams (LBW)	Count	*	7	13	18	7	0	50†
		Share of LBW births[a]	8.2%	14.3%	26.5%	36.7%	14.3%	0.0%	100.0%
		LBW risk[b]	21.1%	12.5%	9.8%	7.2%	5.3%	0.0%	8.3%
	Total births	Count	19	56	132	250	131	*	590
Graham	Births <2,500 grams (LBW)	Count	*	10	13	10	11	0	50†
		Share of LBW births[a]	6.4%	21.3%	27.7%	21.3%	23.4%	0.0%	100.0%
		LBW risk[b]	17.6%	21.3%	9.1%	4.1%	7.4%	0.0%	7.8%
	Total births	Count	17	47	143	243	149	*	600
Greenlee	Births <2,500 grams (LBW)	Count	0	0	*	*	*	0	10†
		Share of LBW births[a]	0.0%	0.0%	14.3%	57.1%	28.6%	0.0%	100.0%
		LBW risk[b]	0.0%	0.0%	3.3%	7.4%	5.7%	0.0%	5.6%
	Total births	Count	*	*	30	54	35	*	130†
La Paz	Births <2,500 grams (LBW)	Count	0	*	*	7	0	*	10†
		Share of LBW births[a]	0.0%	21.4%	21.4%	50.0%	0.0%	7.1%	100.0%
		LBW risk[b]	0.0%	20.0%	7.3%	10.4%	0.0%	100.0%	6.9%
	Total births	Count	*	15	41	67	76	*	200†
Maricopa	Births <2,500 grams (LBW)	Count	76	242	720	1507	1149	13	3707
		Share of LBW births[a]	2.1%	6.5%	19.4%	40.7%	31.0%	0.4%	100.0%
		LBW risk[b]	15.8%	16.2%	11.8%	5.8%	5.8%	13.8%	6.9%
	Total births	Count	482	1,490	6,082	25,795	19,905	94	53,848
Mohave	Births <2,500 grams (LBW)	Count	*	*	33	38	33	*	110†
		Share of LBW births[a]	1.8%	3.6%	29.7%	34.2%	29.7%	0.9%	100.0%
		LBW risk[b]	4.2%	6.9%	11.0%	5.7%	4.9%	33.3%	6.4%
	Total births	Count	48	58	299	666	668	*	1,742
Navajo	Births <2,500 grams (LBW)	Count	*	13	38	51	24	0	130†
		Share of LBW births[a]	3.8%	9.9%	29.0%	38.9%	18.3%	0.0%	100.0%
		LBW risk[b]	25.0%	12.3%	10.4%	7.5%	6.4%	0.0%	8.4%
	Total births	Count	20	106	364	682	374	8	1,554
Pima	Births <2,500 grams (LBW)	Count	33	107	265	288	147	*	845
		Share of LBW births[a]	3.9%	12.7%	31.4%	34.1%	17.4%	0.6%	100.0%
		LBW risk[b]	14.5%	15.4%	12.4%	5.4%	4.1%	21.7%	7.1%
	Total births	Count	228	694	2,137	5,306	3,577	23	11,965
Pinal	Births <2,500 grams (LBW)	Count	10	20	44	122	102	0	298
		Share of LBW births[a]	3.4%	6.7%	14.8%	40.9%	34.2%	0.0%	100.0%
		LBW risk[b]	19.2%	14.6%	8.9%	5.7%	5.9%	0.0%	6.5%
	Total births	Count	52	137	492	2,140	1,738	*	4,564
Santa Cruz	Births <2,500 grams (LBW)	Count	7	*	19	7	6	*	50†
		Share of LBW births[a]	15.2%	10.9%	41.3%	15.2%	13.0%	4.3%	100.0%
		LBW risk[b]	23.3%	6.3%	8.8%	2.8%	8.2%	100.0%	7.1%
	Total births	Count	30	80	217	250	73	*	652
Yavapai	Births <2,500 grams (LBW)	Count	*	12	25	63	33	*	140†
		Share of LBW births[a]	2.2%	8.6%	18.0%	45.3%	23.7%	2.2%	100.0%
		LBW risk[b]	18.8%	19.7%	15.1%	7.3%	4.7%	60.0%	7.6%
	Total births	Count	16	61	166	864	708	*	1,820
Yuma	Births <2,500 grams (LBW)	Count	16	23	46	51	27	0	163
		Share of LBW births[a]	9.8%	14.1%	28.2%	31.3%	16.6%	0.0%	100.0%
		LBW risk[b]	9.6%	9.9%	6.9%	3.9%	3.6%	0.0%	5.2%
	Total births	Count	167	232	665	1,304	747	*	3116

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell supressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Percent distribution of LBW births by number of prenatal visits; [b] Number of LBW births per 100 births in specified prenatal care group.

TABLE 5B-22
AVERAGE NUMBER[a] OF PRENATAL VISITS DURING PREGNANCY ACCORDING TO SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Marital status			Payee for births					Mother's race/ethnicity					Length of gestation				Weight at birth			Newborn intensive care		
		Married	Unmarried	Other	AHCCCS[b]	IHS	Private insurance	Self	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	<37 weeks	37-41 weeks	42+ weeks	Unknown	<2,500 grams	2,500+ grams	Unknown	Yes	No	Unknown
ARIZONA	11.6	12.2	11.0	10.6	11.1	9.3	12.5	10.7	10.3	12.3	11.1	11.4	10.0	12.0	10.7	11.7	12.2	8.9	10.9	11.7	10.0	11.2	11.7	9.5
Apache	9.9	10.6	9.7	8.7	9.7	10.3	10.7	9.3	15.0	10.4	10.3	12.3	9.8	12.8	8.6	10.0	13.3	11.0	8.3	10.0	8.0	7.1	10.0	0.0
Cochise	12.7	13.1	12.3	8.9	12.2	0.0	13.3	11.9	10.0	12.8	12.6	12.7	12.5	13.4	10.1	13.0	13.0	0.0	10.6	12.9	14.0	13.4	12.7	0.0
Coconino	11.6	12.4	10.9	10.2	11.3	9.5	12.7	10.8	7.0	12.3	11.3	11.8	10.6	12.3	11.6	11.6	11.8	0.0	12.2	11.6	9.0	13.8	11.6	0.0
Gila	10.0	10.9	9.4	8.0	10.3	7.4	11.8	8.2	11.7	11.2	10.7	13.0	7.8	9.5	9.4	10.0	10.5	0.0	9.4	10.0	0.0	8.2	10.0	0.0
Graham	10.3	11.2	9.2	10.8	10.2	6.9	11.7	9.6	9.0	11.1	10.8	11.7	7.3	10.3	9.8	10.4	14.0	0.0	9.4	10.4	0.0	10.9	10.3	0.0
Greenlee	10.8	11.0	10.6	0.0	10.3	8.0	11.1	10.8	0.0	11.0	10.9	8.0	9.9	9.3	10.9	10.8	15.0	0.0	10.9	10.8	0.0	6.3	10.9	0.0
La Paz	11.1	11.8	10.7	10.8	11.3	9.7	11.7	4.7	0.0	11.4	10.9	11.3	10.8	0.0	9.7	11.3	0.0	9.0	7.8	11.3	0.0	10.0	11.1	0.0
Maricopa	11.9	12.4	11.3	10.9	11.3	9.6	12.7	11.4	10.3	12.5	11.4	11.5	10.2	12.3	11.1	12.0	12.4	7.1	11.4	12.0	10.3	11.3	12.0	10.0
Mohave	11.6	12.0	11.4	12.4	11.6	8.4	12.2	9.9	11.5	11.9	11.4	10.9	9.4	10.4	10.6	11.7	11.4	0.0	10.8	11.7	12.0	12.0	11.6	9.3
Navajo	10.3	10.9	10.0	10.5	10.2	9.7	11.3	10.1	5.5	11.2	9.8	10.0	9.9	10.5	9.3	10.4	11.8	2.0	10.0	10.4	7.0	9.1	10.4	0.0
Pima	10.9	11.5	10.3	9.9	10.4	9.5	11.7	9.3	9.8	11.6	10.6	10.1	9.0	10.9	9.7	11.0	10.5	0.0	9.4	11.0	9.6	10.5	11.0	0.0
Pinal	12.2	12.9	11.4	10.9	11.3	10.7	13.4	11.1	11.4	12.8	11.3	13.0	11.2	12.2	11.7	12.2	13.9	15.0	12.5	12.2	10.0	13.2	12.2	0.0
Santa Cruz	8.6	9.1	8.2	9.3	8.4	11.0	10.2	6.5	6.0	10.1	8.5	7.0	8.0	10.0	8.5	8.6	11.0	0.0	8.5	8.6	4.5	10.0	8.6	0.0
Yavapai	11.8	12.3	11.2	10.7	11.5	11.3	12.5	11.0	10.3	12.0	11.0	12.6	11.5	12.0	10.6	11.9	10.0	16.0	10.4	11.9	12.3	10.6	11.8	0.0
Yuma	10.1	10.5	9.7	8.9	9.6	9.8	11.4	7.4	11.0	11.4	9.7	10.6	9.7	11.0	8.7	10.2	11.0	14.0	9.0	10.2	10.0	9.9	10.2	0.0

Notes: [a] The arithmetic mean value for the number of prenatal visits in specified group; Excluded are cases with no prenatal care and/or unspecified number of prenatal visits;[b] The Arizona Health Care Cost Containment System (AHCCCS) is the State's Medicaid program.

TABLE 5B-23
BIRTHS BY GESTATIONAL AGE AND BIRTHWEIGHT BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2013

	Total				Gestational age							
		Gestational age			Preterm, <37 weeks				37 weeks or more			
	Total	Preterm, <37 weeks	37 weeks or more	Un-known	Total	<2,500 grams	2,500+ grams	Un-known	Total	<2,500 grams	2,500+ grams	Un-known
ARIZONA	84,963	7,672	77,246	50†	7,672	4,106	3,555	10†	77,246	1,740†	75,439	70†
Apache	951	76	874	*	76	36	39	*	874	17	856	*
Cochise	1,607	132	1,474	*	132	71	61	0	1,474	51	1,421	*
Coconino	1,625	150	1,474	*	150	80	69	*	1,474	37	1,436	*
Gila	590	55	533	*	55	36	19	0	533	13	520	0
Graham	600	67	532	*	67	35	32	0	532	12	520	0
Greenlee	125	15	109	*	15	7	8	0	109	0	109	0
La Paz	204	25	178	*	30†	13	12	0	178	*	177	0
Maricopa	53,848	4,977	48,847	24	4,977	2,647	2,325	*	48,847	1,059	47,747	41
Mohave	1,742	131	1,608	*	131	69	62	0	1,608	42	1,562	*
Navajo	1,554	136	1,416	*	136	82	54	0	1,416	49	1,365	*
Pima	11,965	1,067	10,896	*	1,067	578	485	*	10,896	267	10,621	8
Pinal	4,564	394	4,168	*	394	208	186	0	4,168	90	4,077	*
Santa Cruz	652	53	599	0	53	33	20	0	599	13	584	*
Yavapai	1,820	155	1,663	*	155	95	60	0	1,663	43	1,617	*
Yuma	3,116	239	2,875	*	239	116	123	0	2,875	47	2,827	*

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

TABLE 5B-24
NEWBORNS ADMITTED TO NEWBORN INTENSIVE CARE UNITS BY GESTATIONAL AGE, BIRTHWEIGHT, AND MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Gestational age			Weight at birth		
		Preterm, <37 weeks	Not Preterm	Unknown	<2,500 grams	2,500+ grams	Unknown
ARIZONA	4,515	2,560†	1,950†	0†	2,200†	2,310†	0†
Apache	10†	9	*	0	9	*	0
Cochise	47	30	17	0	30	16	*
Coconino	19	13	6	0	10	9	0
Gila	20†	14	*	0	11	6	0
Graham	31	16	15	0	17	14	0
Greenlee	0†	*	*	0	*	*	0
La Paz	10†	*	*	0	*	*	0
Maricopa	3,036	1,729	1,304	*	1,453	1,581	*
Mohave	38	24	13	*	26	12	0
Navajo	56	33	23	0	38	18	0
Pima	688	378	310	0	334	353	*
Pinal	219	116	103	0	105	114	0
Santa Cruz	30†	23	*	0	20	6	0
Yavapai	68	46	22	0	42	26	0
Yuma	248	121	127	0	103	145	0

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

TABLE 5B-25
MEDICAL AND OTHER RISK FACTORS BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Births with medical risk factors	35,447	463	813	302	202	378	82	78	21,123	276	734	6,842	1,803	238	766	1,347
Medical risk factors																
Anemia	4,020†	41	31	28	26	36	8	*	2,958	*	66	480	322	*	8	9
Cardiac disease	280†	0	*	*	*	*	0	0	222	0	*	21	21	0	*	*
Lung disease	870†	7	34	*	7	0	0	*	670	*	6	27	94	0	23	0
Diabetes	4,862	78	75	84	27	33	9	8	3,213	45	97	478	330	20	53	312
Genital herpes	950†	7	17	8	*	11	*	0	696	*	*	64	67	*	13	51
Hydramnios	1,140†	20	31	15	7	*	0	0	698	*	18	178	69	6	41	49
Hemoglobinopathy	15	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
Chronic hypertension	950†	11	21	14	*	7	*	*	596	7	15	135	73	*	12	43
Pregnancy associated hypertension	4,740†	73	78	86	48	37	*	*	3,217	22	124	520	297	8	83	143
Eclampsia	600†	*	15	6	*	*	*	*	432	10	15	63	21	*	23	*
Previous infant 4000+g	290†	10		6	*	*	*	0	202	*	17	8	29	0	*	10
Previous SGA infant	1,150†	21	11	10	14	*	0	0	697	9	61	103	99	*	44	75
Renal disease	120†	0	*	0	0	*	0	0	93	0	*	7	9	0	0	7
RH sensitization	110†	0	*	*	*	*	0	0	71	*	*	*	10	*	0	14
Uterine bleeding	190†	6	*	*	0	0	0	0	139	0	10	11	16	0	*	0
Incompetent cervix	170†	*	*	*	*	0	0	0	126	*	*	*	14	*	0	18
Other	26,397	324	672	114	110	344	75	69	15,168	215	514	6,001	996	207	659	929
Substance use																
Drinker, nonsmoker	200†	*	*	*	*	*	0	0	133	*	8	18	11	0	*	7
Smoker, nondrinker	3,620†	25	110	24	81	46	11	*	2,068	223	91	417	261	*	204	49
Smoker and drinker	130†	*	*	*	*	*	*	0	78	7	8	16	6	0	*	*
Nonsmoker and nondrinker	81,019	920	1,493	1,597	506	551	113	200	51,569	1,508	1,447	11,514	4,286	650	1,609	3,056
Total births	84,963	951	1,607	1,625	590	600	125	204	53,848	1,742	1,554	11,965	4,564	652	1,820	3,116

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

TABLE 5B-26
OBSTETRIC PROCEDURES AND METHOD OF DELIVERY BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Obstetric procedures																
Amniocentesis	180†	6	*	*	0	*	0	*	129	0	*	11	15	0	*	*
Electronic Fetal Monitoring	77,633	877	1,187	1,559	541	584	121	195	48,860	1,639	1,423	11,523	4,091	194	1,744	3,095
Induction of labor	17,656	204	464	284	148	149	38	35	10,118	496	342	3,054	1,090	46	410	778
Stimulation of labor	13,682	161	187	333	110	130	39	25	8,564	255	308	1,582	673	33	246	1,036
Tocolysis	260†	*	*	*	*	14	*	0	166	*	8	17	30	*	*	*
Ultrasound	56,490	607	1,081	360	259	523	119	115	33,623	729	1,005	10,118	2,668	589	1,617	3,077
Other	7,129	50	115	7	7	441	102	8	3,522	27	23	2,054	447	32	22	272
Method of delivery																
Vaginal	60,125	765	1,140	1,272	430	442	97	148	37,689	1,235	1,160	8,730	3,106	435	1,259	2,217
Vaginal after C-Section	1,150†	36	18	9	8	0	*	*	771	*	26	172	61	7	8	28
Primary C-Section	12,167	75	223	178	69	63	10	27	8,091	246	178	1,572	662	76	285	412
Repeat C-Section	11,462	69		165	83	95	16	28	7,261	257	190	1,482	733	133	266	459
Forceps	380†	*	*	6	*	0	0	0	204	30	*	76	12	*	13	21
Vacuum	2,600†	11	91	25	43	38	12	*	1,472	126	55	373	108	38	78	125

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

TABLE 5B-27
COMPLICATIONS OF LABOR AND/OR DELIVERY BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2013

Complications of labor and/or delivery	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total	27,211	331	489	342	250	290	68	35	14,712	237	603	5,830	1,410	193	517	1,904
Febrile	1,580†	14	12	10	*	*	0	*	1,122	*	*	162	115	*	6	123
Meconium	4,720†	47	44	109	38	24	*	*	2,846	28	85	734	221	21	59	458
Rupture of membrane	1,840†	39	36	47	13	7	*	*	1,150	16	46	217	112	8	32	115
Abruptio placenta	390†	12	17	12	*	8	0	0	187	*	16	69	26	*	12	20
Placenta previa	300†	0	6	*	*	*	0	0	223	*	*	28	8	*	6	12
Other excessive bleeding	310†	15	21	19	6	*	0	0	134	*	21	44	16	*	8	19
Seizures during labor	20†	*	0	0	*	*	0	0	7	0	0	*	*	0	*	*
Precipitous labor	2,090†	39	55	34	37	15	*	*	1,191	10	46	408	87	19	20	128
Prolonged labor	670†	35	9	29	9	*	0	*	352	8	29	93	64	0	13	24
Dysfunctional labor	1,420†	24	24	33	6	0	0	*	937	*	24	90	78	*	6	190
Breech malpresentation	2,611	21		47	15	24	7	6	1,593	33	47	354	157	23	77	142
Cephalopelvic disproportion	200†	*	9	*	*	*	0	0	119	*	9	12	18	0	15	*
Cord prolapse	70†	0	*	*	*	0	0	0	41	*	*	12	6	*	*	*
Anesthetic complications	30†	*	*	*	0	0	0	0	18	0	0	*	*	0	0	0
Fetal distress	4,050†	27	33	21	62	16	*	*	2,789	19	22	173	333	*	81	459
Other	14,933	151	255	59	110	229	55	21	6,625	142	378	4,461	562	143	308	1,434

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

TABLE 5B-28
ABNORMAL CONDITIONS OF THE NEWBORN BY MOTHER'S COUNTY OF RESIDENCE, ARIZONA, 2013

Abnormal conditions of the newborn	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total	7,772	38	88	29	32	120	21	42	4,517	153	126	1,446	624	79	147	310
Anemia	50†	*	*	*	*	*	0	0	26	0	0	9	9	0	*	*
Birth injury	70†	0	0	*	*	0	0	0	57	*	0	*	*	0	*	8
Fetal alcohol syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyaline membrane disease	210†	*	*	*	*	0	0	0	143	0	*	11	20	0	9	18
Meconium aspiration	60†	0	0	*	0	*	0	0	29	0	*	*	*	*	7	11
Assisted vent <30 min	740†	7	*	7	12	*	0	29	258	103	16	121	26	*	44	109
Assisted vent >30 min	340†	*	6	*	*	*	0	*	148	8	7	11	24	0	21	101
Newborn seizures	10†	0	0	0	0	*	0	0	*	0	0	*	*	0	0	0
Other	6,997	31	84	18	18	118	21	14	4,152	60	116	1,413	576	77	107	192

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

TABLE 5B-29
BIRTHS WITH CONGENITAL ANOMALIES MENTIONED ON BIRTH CERTIFICATE BY COUNTY OF RESIDENCE, ARIZONA, 2013

Births with congenital anomalies	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total	633	8	21	11	6	6	1	2	326	19	9	107	42	15	17	43
Anencephalus	10†	0	0	0	*	0	0	0	10	0	0	0	0	0	0	0
Spina bifida/meningocele	20†	0	*	*	0	0	0	0	9	*	0	*	*	0	*	0
Hydrocephalus	20†	0	0	*	0	0	0	0	10	0	0	*	*	0	0	*
Microcephalus	0†	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0
Other CNS anomaly	20†	0	*	*	*	0	0	0	8	*	0	*	0	*	*	*
Heart malformations	80†	0	*	*	0	0	0	0	36	*	0	21	9	*	*	*
Other respiratory/circulatory anomalies	130†	*	0	*	0	0	0	0	103	*	*	6	*	8	*	*
Rectal atresia/stenosis	0†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0
Tracheo-esophageal fistula/esophageal atresia	10†	0	*	0	0	0	0	0	*	0	*	*	0	0	*	0
Omphalocele/gastroschisis	20†	*	0	0	0	0	0	0	11	0	0	*	*	*	0	*
Other gastrointestinal anomalies	20†	0	0	0	0	0	0	0	11	0	*	*	*	*	*	*
Malformed genitalia	10†	0		*	0	0	0	0	*	0	0	*	*	0	0	0
Renal agenesis	10†	0	0	0	0	*	0	0	*	0	0	0	*	0	0	0
Other urogenital anomalies	50†	0	*	0	0	0	0	0	15	*	*	*	*	0	*	18
Cleft Lip/palate	60†	*	*	*	*	0	0	0	25	*	*	13	*	0	*	*
Polydactyly/syndactyly/adactyly	30†	*	*	0	*	*	0	0	12	0	0	*	*	0	*	*
Club foot	50†	*	*	0	*	*	*	0	22	*	0	9	*	*	*	*
Diaphragmatic hernia	0†	*	*	0	0	0	0	0	*	0	0	0	0	0	0	0
Other muscosceletal/integumental anomalies	20†	0	*	*	0	*	0	0	11	*	0	*	*	*	*	*
Down syndrome	40†	0	*	*	*	0	0	*	23	0	0	*	*	0	*	0
Other chromosomal anomalies	30†	*	0	0	0	*	0	0	15	0	0	9	*	0	0	0
Other	140†	*	6	*	0	*	0	*	47	6	*	48	7	*	*	8

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; (751) specific congenital anomalies were identified on (633) birth records.

TABLE 5B-30
RATES OF OCCURRENCE[a] FOR SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS GIVING BIRTH BY COUNTY OF RESIDENCE, ARIZONA, 2013

Characteristics	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Births with complications of labor and/or delivery reported	32.0	34.8	30.4	21.0	42.4	48.3	54.4	17.2	27.3	13.6	38.8	48.7	30.9	29.6	28.4	61.1
Births with medical risk factors reported	41.7	48.7	50.6	18.6	34.2	63.0	65.6	38.2	39.2	15.8	47.2	57.2	39.5	36.5	42.1	43.2
Preterm births (gestational age <37 weeks)	9.0	8.0	8.2	9.2	9.3	11.2	12.0	12.3	9.2	7.5	8.8	8.9	8.6	8.1	8.5	7.7
Births with abnormal conditions reported	9.1	4.0	5.5	1.8	5.4	20.0	16.8	20.6	8.4	8.8	8.1	12.1	13.7	12.1	8.1	9.9
Low birthweight births (<2,500 grams)	6.9	5.6	7.6	7.2	8.3	7.8	5.6	6.9	6.9	6.4	8.4	7.1	6.5	7.1	7.6	5.2
Very low birthweight births (<1,500 grams)	1.1	0.5	1.3	1.0	1.9	1.2	0.0	0.5	1.1	0.6	1.5	0.9	1.1	1.7	1.4	1.3
Births with congenital anomalies reported	0.7	0.8	1.3	0.7	1.0	1.0	0.8	1.0	0.6	1.1	0.6	0.9	0.9	2.3	0.9	1.4
Tobacco use during pregnancy	4.4	2.8	7.0	1.5	13.9	8.0	9.6	2.0	4.0	13.2	6.4	3.6	5.9	0.3	11.4	1.7
Alcohol use during pregnancy	0.4	0.6	0.2	0.2	0.5	0.5	0.8	0.0	0.4	0.6	1.0	0.3	0.4	0.0	0.4	0.4
Primary and repeat cesarean deliveries	27.8	15.1	27.9	21.1	25.8	26.3	20.8	27.0	28.5	28.9	23.7	25.5	30.6	32.1	30.3	28.0
Infants admitted to newborn intensive care units	5.3	1.3	2.9	1.2	2.9	5.2	2.4	3.4	5.6	2.2	3.6	5.8	4.8	4.0	3.7	8.0
Women giving birth who received prenatal care in the 1st trimester	81.3	68.3	75.5	84.9	68.3	72.3	72.8	79.4	84.7	81.2	70.5	73.8	85.5	64.1	82.0	63.2
Public sources of payment for birth[b]	53.9	75.5	50.0	53.5	51.0	42.7	33.6	61.8	52.6	63.2	71.5	53.1	50.9	66.0	62.3	60.5
Births to unmarried mothers	45.1	69.1	40.4	51.5	58.0	45.3	44.0	63.2	43.4	55.3	62.0	46.4	44.6	49.8	42.2	46.1

Notes: [a] per 100 births; [b] The Arizona Health Care Cost Containment System (AHCCCS) or Indian Health Service.

5C

Fetal, Perinatal, and Maternal Deaths

TABLE 5C-1
PERINATAL DEATHS AND PERINATAL MORTALITY RATES[a] BY COUNTY OF MOTHER'S RESIDENCE, ARIZONA, 2013

	Live births + reportable spontaneous fetal losses of 28 or more weeks of gestation	Number of infant deaths of less than 7 days	Number of reportable spontaneous fetal losses of 28 or more weeks of gestation	Total Perinatal Deaths	
				Count	Rate
ARIZONA	85,225	220†	260†	480†	5.7
Apache	956	*	*	9	9.4
Cochise	1,611	7	*	11	6.8
Coconino	1,629	7	*	11	6.8
Gila	593	*	*	*	**
Graham	602	*	*	*	**
Greenlee	126	0	*	*	**
La Paz	204	*	0	*	**
Maricopa	54,019	145	171	316	5.8
Mohave	1,746	*	*	6	3.4
Navajo	1,558	*	*	6	3.9
Pima	11,998	23	33	56	4.7
Pinal	4,574	9	10	19	4.2
Santa Cruz	656	*	*	*	**
Yavapai	1,831	*	11	15	8.2
Yuma	3,122	11	6	17	5.4
Unknown	0	*	0	*	NA

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] The number of perinatal deaths per 1,000 live births + fetal losses at 28 or more weeks of gestation.

TABLE 5C-2
REPORTABLE SPONTANEOUS FETAL LOSSES[a] BY GESTATIONAL AGE, WEIGHT IN GRAMS, AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Gestational age[b]			Weight in grams					
		20-27 weeks	28+ weeks	Unknown	<350 grams	350-499	500-2,499	2,500-3,999	4,000+	Unknown
ARIZONA	550†	280†	260†	0†	110†	70†	230†	100†	10†	30†
Apache	10†	*	*	0	0	*	*	*	0	*
Cochise	10†	*	*	0	0	*	*	*	0	0
Coconino	10†	*	*	0	0	0	*	*	0	*
Gila	10†	*	*	0	*	0	*	*	0	0
Graham	0†	*	*	0	*	*	0	*	0	0
Greenlee	0†	0	*	0	0	0	*	0	0	0
La Paz	0†	*	0	0	*	0	0	0	0	0
Maricopa	360†	191	171	*	87	49	155	64	*	*
Mohave	10†	7	*	0	*	*	6	0	0	0
Navajo	10†	6	*	0	*	0	*	*	*	0
Pima	70†	40	33	0	*	11	31	13	*	13
Pinal	20†	11	10	0	*	*	7	*	0	*
Santa Cruz	0†	0	*	0	0	0	*	*	0	*
Yavapai	20†	*	11	0	*	*	7	*	0	*
Yuma	10†	8	6	0	*	*	*	*	0	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; [b] For statistical purposes, fetal deaths are classified according to gestational age; a death that occurs at 20 or more weeks of gestation constitutes a fetal death, and after 28 weeks it is considered a late fetal death.

TABLE 5C-3
REPORTABLE SPONTANEOUS FETAL DEATHS[a] AND FETAL DEATH RATES[b] BY COUNTY OF MOTHER'S RESIDENCE AND YEAR, ARIZONA, 2003-2013

	Number of fetal deaths											Fetal death rates										
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	539	505	532	543	583	544	511	443	470	470	545	5.9	5.4	5.5	5.3	5.6	5.4	5.5	5.1	5.5	5.4	6.4
Apache	8	*	7	*	9	8	*	*	6	*	8	6.4	**	5.4	**	7.7	6.6	**	**	5.6	**	8.3
Cochise	15	10	14	12	13	7	15	11	15	9	6	8.5	5.5	7.9	6.6	7.0	3.9	8.1	6.1	9.0	5.3	3.7
Coconino	14	7	9	14	9	7	12	*	15	10	6	7.2	3.4	4.3	6.8	4.2	3.5	6.3	**	8.4	5.9	3.7
Gila	*	*	*	11	*	6	8	*	6	6	7	**	**	**	16.5	**	8.5	11.2	**	9.6	9.8	11.7
Graham	8	*	*	*	0	*	*	0	*	*	*	18.1	**	**	**	0.0	**	**	0.0	**	**	**
Greenlee	*	*	*	0	0	*	0	0	0	0	*	**	**	**	0.0	0.0	**	0.0	0.0	0.0	0.0	**
La Paz	*	*	0	0	0	*	0	*	0	*	*	**	**	0.0	0.0	0.0	**	0.0	**	0.0	**	**
Maricopa	330	339	330	351	360	350	311	289	299	285	363	5.6	5.6	5.3	5.3	5.4	5.6	5.4	5.3	5.6	5.2	6.7
Mohave	10	11	19	15	17	9	14	8	10	12	11	4.7	5.0	8.4	6.1	6.9	3.9	6.3	4.0	5.1	6.9	6.3
Navajo	9	12	15	13	15	15	11	8	8	12	10	5.2	6.7	7.8	6.9	7.4	7.7	5.8	4.6	4.9	7.3	6.4
Pima	80	54	68	79	88	73	68	64	56	64	73	6.2	4.1	5.2	5.7	6.3	5.4	5.3	5.2	4.7	5.4	6.1
Pinal	16	14	21	17	39	33	29	24	22	33	21	5.5	4.5	5.7	3.8	7.3	5.7	5.4	4.8	4.8	7.1	4.6
Santa Cruz	*	*	*	*	0	6	*	*	*	*	*	**	**	**	**	0.0	7.5	**	**	**	**	**
Yavapai	14	15	7	10	14	*	16	10	7	*	16	7.5	7.4	3.3	4.2	5.7	**	7.7	5.5	3.8	**	8.7
Yuma	30	25	30	12	14	18	18	15	21	26	14	9.3	7.5	9.0	3.6	4.3	5.3	5.5	4.6	6.5	8.3	4.5
Unknown	0	0	0	0	0	*	*	*	*	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: * Cell suppressed due to non-zero count less than 6; ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; [b] Per 1,000 live births plus reportable spontaneous fetal deaths; the numbers and rates of reportable spontaneous fetal deaths for 2004 were revised and differ from those previously published.

TABLE 5C-4
REPORTABLE SPONTANEOUS FETAL LOSSES[a] BY COUNTY OF RESIDENCE OF MOTHER, RACE, AND SEX OF CHILD
ARIZONA, 2013

	All groups				White non-Hispanic				Hispanic or Latino				Black or African American				American Indian or Alaska Native				Asian or Pacific Islander		
	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F
ARIZONA	545	260†	260†	30†	250†	130†	110†	20†	210†	90†	100†	10†	40†	20†	20†	0†	40†	10†	30†	0†	10†	10†	6
Apache	10†	*	*	0	0†	*	0	0	0†	0	*	0	0	0	0	0	10†	*	*	0	0	0	0
Cochise	10†	*	*	0	0†	*	*	0	0†	*	*	0	0†	0	*	0	0	0	0	0	0	0	0
Coconino	10†	*	*	0	0†	*	*	0	0	0	0	0	0	0	0	0	0†	*	*	0	0	0	0
Gila	10†	*	*	0	0†	0	*	0	0†	*	0	0	0	0	0	0	0†	0	*	0	0	0	0
Graham	0†	*	*	0	0	0	0	0	0†	*	*	0	0	0	0	0	0†	*	*	0	0	0	0
Greenlee	0†	0	*	0	0†	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
La Paz	0†	0	*	0	0†	0	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maricopa	363	169	176	18	168	85	75	8	140	63	71	6	33	15	16	*	10†	*	8	*	10†	*	6
Mohave	10†	*	7	*	10†	*	*	*	0†	*	*	0	0	0	0	0	0†	0	*	0	0	0	0
Navajo	10†	*	*	0	10†	*	*	0	0	0	0	0	0	0	0	0	10†	*	*	0	0	0	0
Pima	73	36	29	8	31	17	9	*	31	12	16	*	0†	*	*	0	10†	*	*	0	0†	*	0
Pinal	21	13	8	0	10†	6	*	0	10†	*	*	0	0†	*	0	0	0†	*	*	0	0†	*	0
Santa Cruz	0†	*	*	0	0	0	0	0	0†	*	*	0	0	0	0	0	0	0	0	0	0	0	0
Yavapai	20†	11	*	*	10†	8	*	*	0†	*	*	0	0†	*	0	0	0	0	0	0	0	0	0
Yuma	14	7	6	*	0†	*	*	0	10†	*	*	*	0†	*	0	0	0	0	0	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Include spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions; T: total; M: male; F: female; U: unknown

TABLE 5C-5
REPORTABLE SPONTANEOUS FETAL LOSSES[a] BY MOTHER'S AGE GROUP AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Mother's age group									
		<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	Unknown
ARIZONA	545	0	20†	30†	120†	160†	120†	80†	10†	0†	0†
Apache	10†	0	*	0	*	*	*	0	0	0	0
Cochise	10†	0	0	*	*	*	0	*	*	0	0
Coconino	10†	0	0	0	*	*	*	0	0	0	0
Gila	10†	0	0	*	*	*	*	0	0	0	0
Graham	0†	0	0	0	0	*	*	*	*	0	0
Greenlee	0†	0	0	0	0	0	0	*	0	0	0
La Paz	0†	0	0	0	0	*	0	0	0	0	0
Maricopa	360†	0	10	22	78	105	84	57	6	*	0
Mohave	10†	0	*	*	*	*	*	0	*	0	0
Navajo	10†	0	0	*	*	*	*	0	*	*	*
Pima	70†	0	*	*	11	25	19	11	*	0	0
Pinal	20†	0	*	*	*	6	*	*	*	0	*
Santa Cruz	0†	0	0	0	*	*	*	0	0	0	0
Yavapai	20†	0	0	*	*	*	*	*	0	0	0
Yuma	10†	0	*	*	*	*	*	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes spontaneous terminations of pregnancy at 20 or more weeks of gestation (or if gestational age is unknown, the deaths of fetuses of at least 350 grams in weight), excludes abortions.

5D

ABORTIONS

TABLE 5D-1
RESIDENT ABORTIONS TO WOMEN BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

County of Residence	Year											% Change		
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2012 to 2013	2007 to 2011	2003 to 2013
Number of Abortions														
ARIZONA	**10,154**	**12,301**	**10,446**	**10,506**	**10,486**	**10,396**	**10,045**	**11,059**	**13,606**	**13,129**	**13,254**	**1.0**	**29.8**	**30.5**
Apache	17	43	46	47	43	15	19	19	15	16	12	-25.0	-65.1	-29.4
Cochise	150	181	136	176	81	127	147	107	162	140	101	-27.9	100.0	-32.7
Coconino	233	291	266	299	275	281	266	274	184	166	147	-11.4	-33.1	-36.9
Gila	15	29	10	27	36	27	27	28	41	34	54	58.8	13.9	260.0
Graham	18	21	9	15	12	15	23	15	12	33	17	-48.5	0.0	-5.6
Greenlee	*	*	6	*	7	7	8	22	41	47	67	42.6	485.7	1575.0
La Paz	*	9	0	6	12	6	*	6	11	7	16	128.6	-8.3	400.0
Maricopa	7,027	8,178	6,541	6,496	7,188	7,166	6,732	7,774	10,280	8,809	8,385	-4.8	43.0	19.3
Mohave	5	20	6	16	45	32	21	22	43	41	26	-36.6	-4.4	420.0
Navajo	54	70	51	47	51	59	40	69	77	72	66	-8.3	51.0	22.2
Pima	2,080	2,965	3,018	2,636	1,908	2,054	2,124	1,844	2,039	2,196	2,109	-4.0	6.9	1.4
Pinal	83	131	85	277	420	257	163	217	313	417	346	-17.0	-25.5	316.9
Santa Cruz	45	50	36	81	76	36	35	31	35	32	23	-28.1	-53.9	-48.9
Yavapai	100	190	208	263	251	234	183	204	181	176	214	21.6	-27.9	114.0
Yuma	133	119	28	81	76	74	156	151	172	79	90	13.9	126.3	-32.3
Unknown	0	0	0	0	0	6	0	276	0	864	1,581	NA	NA	NA
Abortion Rates[a]														
ARIZONA	**8.5**	**10.0**	**8.1**	**8.2**	**8.1**	**7.8**	**7.5**	**8.8**	**10.7**	**10.3**	**10.3**	**0.0**	**32.7**	**20.8**
Apache	1.2	2.9	3.0	3.1	2.8	1.0	1.2	1.4	1.1	1.2	0.9	-23.8	-60.4	-21.3
Cochise	6.2	7.4	5.4	7.2	3.2	5.0	5.7	4.8	7.3	6.3	4.5	-27.6	124.2	-27.5
Coconino	7.4	9.2	8.4	9.7	9.0	9.2	8.5	8.7	5.9	5.3	4.7	-11.8	-35.1	-36.6
Gila	1.7	3.3	1.1	3.0	3.9	2.8	2.8	3.7	5.4	4.6	7.3	60.2	38.4	328.0
Graham	2.7	3.0	1.3	2.2	1.7	2.0	2.9	2.2	1.8	4.8	2.4	-49.4	5.0	-10.6
Greenlee	2.3	2.4	3.3	2.7	4.6	4.3	5.1	14.2	26.5	29.8	33.2	11.3	475.5	1326.9
La Paz	1.0	2.9	0.0	1.9	3.9	2.0	0.6	2.5	4.4	2.9	6.6	129.0	12.4	573.5
Maricopa	9.4	10.5	8.1	8.2	9.0	8.8	8.1	9.8	12.9	11.0	10.4	-5.8	43.6	10.2
Mohave	0.2	0.7	0.2	0.5	1.3	0.9	0.6	0.8	1.5	1.4	0.9	-36.7	17.1	404.6
Navajo	2.6	3.3	2.3	2.0	2.1	2.5	1.7	3.6	4.0	3.8	3.5	-8.4	90.1	33.9
Pima	10.6	14.7	14.5	13.0	9.3	9.9	10.2	9.6	10.5	11.4	10.9	-4.3	12.7	3.0
Pinal	2.4	3.5	2.0	5.5	7.3	4.0	2.5	3.2	4.6	6.0	4.9	-18.3	-37.0	100.9
Santa Cruz	5.2	5.6	3.8	8.6	7.9	3.7	3.5	3.4	3.8	3.5	2.5	-28.0	-52.1	-51.7
Yavapai	3.2	5.8	6.1	7.3	6.6	6.0	4.6	6.8	6.0	5.9	7.1	21.6	-8.3	119.7
Yuma	3.9	3.4	0.8	2.2	2.0	1.9	4.0	4.0	4.4	2.0	2.2	11.8	123.2	-43.1
Abortion Ratio[b]														
ARIZONA	**112**	**132**	**109**	**103**	**102**	**105**	**109**	**127**	**160**	**153**	**156**	**1.9**	**56.4**	**39.3**
Apache	14	32	36	40	37	12	15	17	14	17	13	-26.9	-62.6	-7.1
Cochise	85	100	77	97	44	71	80	60	97	82	63	-23.0	123.8	-26.3
Coconino	121	144	129	145	129	142	140	154	104	98	90	-8.0	-19.5	-25.8
Gila	22	43	15	41	52	39	38	42	66	56	92	64.2	27.4	323.2
Graham	42	47	20	28	21	23	36	28	20	59	28	-52.0	-3.9	-31.6
Greenlee	46	39	61	36	51	53	62	210	345	412	536	30.0	579.6	1065.2
La Paz	14	39	0	26	52	24	12	30	64	34	74	114.3	22.5	429.0
Maricopa	119	135	105	98	109	114	117	143	193	161	156	-3.3	76.7	30.7
Mohave	2	9	3	7	19	14	10	11	22	24	14	-39.3	18.5	525.0
Navajo	32	39	27	25	25	30	21	40	47	43	43	-0.6	85.4	35.4
Pima	163	228	233	189	138	152	165	152	172	184	176	-4.5	24.2	8.3
Pinal	28	43	23	62	80	45	31	44	68	89	76	-14.4	-14.5	167.3
Santa Cruz	57	62	46	108	99	45	46	45	50	48	34	-29.1	-49.2	-40.3
Yavapai	54	95	98	111	104	106	89	112	99	97	118	21.2	-4.9	118.1
Yuma	42	36	9	24	23	22	48	47	54	25	29	15.6	129.8	-30.6

Notes: * Cell suppressed due to count less than 6; [a] Number of abortions obtained per 1,000 women from 15 - 44 years of age; [b] Number of abortions obtained per 1,000 live births to women from 15 - 44 years of age.

TABLE 5D-2
ABORTIONS BY COUNTY OF RESIDENCE AND AGE GROUP, ARIZONA, 2013

County[a]	≤ 19 years		20-29 years		≥ 30 years	
	Count	Percent	Count	Percent	Count	Percent
Apache	0	0.0%	*	**	7	0.2%
Cochise	13	0.9%	52	0.7%	36	0.9%
Coconino	18	1.2%	97	1.3%	32	0.8%
Gila	12	0.8%	25	0.3%	17	0.4%
Graham	*	**	8	0.1%	*	**
Greenlee	10	0.7%	38	0.5%	19	0.5%
La Paz	*	**	7	0.1%	*	**
Maricopa	846	58.7%	4,847	63.2%	2,692	65.1%
Mohave	*	**	16	0.2%	6	0.1%
Navajo	11	0.8%	41	0.5%	14	0.3%
Pima	239	16.6%	1,277	16.6%	593	14.3%
Pinal	43	3.0%	176	2.3%	127	3.1%
Santa Cruz	*	**	13	0.2%	6	0.1%
Yavapai	29	2.0%	125	1.6%	60	1.4%
Yuma	14	1.0%	53	0.7%	23	0.6%
Unknown	189	13.1%	895	11.7%	497	12.0%
Border region[b]	270	18.7%	1,395	18.2%	658	15.9%
Non-border region	1,171	81.3%	6,280	81.8%	3,480	84.1%
Arizona	**1,441**	100.0%	**7,675**	**100.0%**	**4,138**	**100.0%**

Notes: *Cell suppressed due to count less than 6; [a] Residence indicates patient county of residence; one (1) case county was not stated; [b] Border region includes Cochise, Pima, Santa Cruz, and Yuma counties.

TABLE 5D-3
RESIDENT ABORTIONS BY COUNTY OF RESIDENCE, RACE/ETHNICITY, MARITAL STATUS, AND EDUCATION, ARIZONA, 2013

	Total	Race/ethnicity							Marital status			Education/highest grade completed		
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Multiple race	Unknown	Married	Unmarried	Unknown	Primary/Secondary (0-12)	College (1-4 or 5+)	Unknown
ARIZONA	13,254	2,520†	4,190†	190†	60†	110†	4,260†	1,930†	2,030†	10,572	660†	2,400†	2,520†	8,332
Apache	10†	*	*	0	*	0	*	*	*	9	0	*	*	6
Cochise	100†	22	33	*	0	0	30	12	23	74	*	14	11	76
Coconino	150†	32	14	*	*	0	76	19	22	123	*	11	36	100
Gila	50†	16	9	0	*	0	20	7	*	50	0	14	16	24
Graham	20†	*	6	0	0	0	7	*	*	16	0	6	*	8
Greenlee	70†	18	25	0	0	0	19	*	11	54	*	*	*	62
La Paz	20†	*	*	0	0	0	6	*	*	13	*	*	*	12
Maricopa	8,385	1,666	2,529	149	33	80	2,751	1,177	1,288	6,625	472	1,272	1,763	5,350
Mohave	30†	6	6	0	0	0	12	*	*	21	0	7	8	11
Navajo	70†	12	14	0	*	0	21	15	10	54	*	12	20	34
Pima	2,109	415	823	13	12	13	463	370	312	1,729	68	601	278	1,230
Pinal	350†	57	98	*	0	0	115	71	56	281	9	91	86	169
Santa Cruz	20†	*	15	0	0	0	0	7	8	15	0	6	*	13
Yavapai	210†	63	31	*	0	*	93	24	29	171	14	29	30	155
Yuma	90†	11	52	0	0	*	15	11	21	60	9	13	12	65
Unknown[a]	1,580†	191	527	16	*	14	624	206	230	1,277	74	320	244	1,017

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Unknown county describes an Arizona resident whose county of residence is unknown.

TABLE 5D-4
ABORTIONS BY COUNTY OF RESIDENCE AND GESTATIONAL AGE GROUP, ARIZONA, 2013

	TOTAL	Gestational Age[a]		
		≤13 weeks	14 to 20 weeks	≥21 weeks
		Count	Count	Count
Arizona	13,254	12,045	1,050†	140†
Apache	10†	10	*	*
Cochise	100†	86	13	*
Coconino	150†	140	6	*
Gila	50†	46	6	*
Graham	20†	16	*	0
Greenlee	70†	65	*	*
La Paz	20†	15	*	0
Maricopa	8,385	7,652	631	81
Mohave	30†	24	*	0
Navajo	70†	55	8	*
Pima	2,109	1,931	161	16
Pinal	350†	307	34	*
Santa Cruz	20†	19	*	*
Yavapai	214	188	19	7
Yuma	90†	83	*	*
Unknown[a]	1,581	1,408	155	18

Notes: * Cell suppressed due to count less than 6; † Sum rounded to nearest tens unit due to addend less than 6; [a] Totals do not add to 13,254 due to 20 unknown weeks of gestation.

5E

TRENDS AND PATTERNS IN MORTALITY

TABLE 5E-1
MORTALITY BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	42,830	42,736	45,115	45,415	44,640	45,128	45,065	45,871	47,547	48,459	49,929
Apache	509	521	499	454	522	510	530	544	584	471	607
Cochise	1,126	1,099	1,116	1,140	1,093	1,185	1,122	1,218	1,183	1,204	1,266
Coconino	620	592	632	619	621	675	676	678	722	707	702
Gila	638	647	690	627	666	718	646	661	682	655	696
Graham	265	274	282	295	282	294	271	302	245	300	275
Greenlee	55	46	62	65	63	52	50	55	71	64	46
La Paz	183	225	181	200	204	200	227	200	186	225	247
Maricopa	23,549	23,533	24,902	25,176	24,417	24,304	24,349	24,438	25,467	25,785	26,906
Mohave	2,151	2,253	2,345	2,354	2,153	2,461	2,260	2,368	2,424	2,482	2,686
Navajo	813	775	802	860	888	793	825	819	899	897	976
Pima	7,719	7,625	7,948	7,885	7,899	8,075	8,065	8,163	8,392	8,713	8,592
Pinal	1,684	1,673	1,886	1,948	2,033	2,023	1,994	2,258	2,380	2,440	2,457
Santa Cruz	215	225	257	238	263	252	284	262	247	303	286
Yavapai	2,149	2,089	2,263	2,386	2,342	2,373	2,303	2,436	2,496	2,616	2,724
Yuma	1,133	1,137	1,246	1,164	1,180	1,105	1,306	1,279	1,350	1,386	1,320
Unknown	21	22	*	*	14	108	157	190	219	211	143

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

TABLE 5E-2
MORTALITY BY COUNTY OF OCCURRENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012[a]	2013
ARIZONA[b]	44,431	44,207	46,770	47,182	46,325	46,515	46,429	47,616	49,208	50,254	51,997
Apache	328	298	301	329	312	333	342	401	350	351	332
Cochise	947	872	876	856	907	930	847	929	878	901	892
Coconino	769	720	757	738	762	852	841	852	930	890	822
Gila	562	573	578	558	586	599	486	552	559	557	560
Graham	220	227	220	221	228	243	222	253	193	241	223
Greenlee	32	25	30	36	32	28	33	39	40	28	28
La Paz	159	207	169	187	174	148	174	172	173	173	165
Maricopa	25,785	25,713	27,164	27,473	26,800	26,712	26,804	27,041	28,001	28,442	28,360
Mohave	2,094	2,164	2,296	2,394	2,249	2,327	2,275	2,460	2,511	2,594	2,612
Navajo	540	572	606	626	630	598	582	577	675	692	716
Pima	8,598	8,454	8,918	8,758	8,777	8,953	9,030	9,171	9,385	9,749	9,143
Pinal	1,070	1,067	1,145	1,237	1,241	1,192	1,167	1,384	1,604	1,558	1,495
Santa Cruz	137	162	186	182	172	167	188	194	167	193	172
Yavapai	1,979	1,944	2,133	2,252	2,176	2,215	2,133	2,264	2,373	2,478	2,504
Yuma	1,211	1,209	1,388	1,335	1,279	1,217	1,305	1,326	1,369	1,407	1,234

Notes: [a] Resident (49,929) and non-resident (2,068) deaths occurring in Arizona in 2013; [b] Excluding 2012, sum includes records with unknown county of occurrence.

TABLE 5E-3
RESIDENT DEATHS BY PLACE OF OCCURRENCE AND NON-RESIDENT DEATHS BY COUNTY OF OCCURRENCE IN ARIZONA, 2013

County of residence	County of occurrence															Died in Arizona	Arizona resident, died elsewhere	Total, Arizona residents
	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma			
Apache	291	0	67	8	0	0	0	87	0	43	10	0	0	*	0	509	98	610†
Cochise	0	871	0	0	*	0	*	15	0	0	357	*	0	*	0	1,250	16	1,270†
Coconino	*	0	566	*	0	*	0	55	7	6	*	0	0	20	0	667	35	700†
Gila	0	0	*	509	0	0	0	168	*	*	8	*	0	*	0	694	*	700†
Graham	0	*	0	7	205	0	0	19	0	0	38	0	0	*	0	272	*	280†
Greenlee	0	0	0	0	13	27	0	0	0	0	6	0	0	0	0	46	0	46
La Paz	0	0	*	0	0	0	158	35	35	0	0	*	0	*	*	236	11	250†
Maricopa	8	*	19	14	0	0	*	26,433	*	11	37	60	0	37	7	26,637	269	26,910†
Mohave	0	0	7	*	0	0	*	51	2,546	*	8	*	0	6	*	2,627	59	2,690†
Navajo	28	0	112	10	0	0	0	144	*	643	11	*	0	*	0	955	21	980†
Pima	0	9	*	*	*	0	0	98	*	*	8,367	22	*	6	*	8,523	69	8,590†
Pinal	0	*	*	*	0	0	0	859	*	*	160	1,398	*	*	0	2,431	26	2,460†
Santa Cruz	0	*	*	0	0	0	0	*	0	0	110	0	166	0	0	285	*	290†
Yavapai	*	0	37	0	0	0	*	224	8	*	*	0	0	2,418	*	2,696	28	2,720†
Yuma	0	0	*	0	0	0	*	67	0	*	8	*	0	*	1,212	1,295	25	1,320†
Unknown	*	*	*	0	0	0	0	100	*	*	15	6	0	*	*	135	8	140†
AZ resident	332	892	822	560	223	28	165	28,360	2,612	716	9,143	1,495	172	2,504	1,234	49,258	671	49,929
Non-resident	26	28	56	2	1	1	36	1,006	177	21	366	71	14	36	156	1,997		
Total deaths in Arizona	358	920	878	562	224	29	201	29,366	2,789	737	9,509	1,566	186	2,540	1,390	51,255		

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; In 2013, 51,255 deaths occurred in Arizona and 671 deaths occurred to Arizona residents outside of Arizona.

TABLE 5E-4
MORTALITY RATES[a] BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	760.8	732.8	746.3	727.9	694.0	690.6	683.2	717.6	738.5	745.7	758.7
Apache	720.7	730.5	676.4	607.8	690.5	669.7	691.3	760.6	811.2	651.4	841.0
Cochise	892.5	844.0	846.8	845.8	793.7	849.9	791.2	927.3	906.3	920.8	967.1
Coconino	480.9	456.9	484.2	466.0	459.8	497.7	488.0	504.4	538.2	526.4	517.3
Gila	1191.3	1196.8	1267.3	1137.9	1194.2	1251.7	1088.2	1233.3	1272.9	1221.4	1296.8
Graham	768.3	760.7	795.4	822.3	777.5	761.0	681.0	811.4	649.7	804.0	726.1
Greenlee	639.9	550.9	747.0	784.9	762.8	581.0	575.5	651.9	847.3	744.3	421.5
La Paz	883.4	1064.6	853.7	930.7	936.7	928.3	1042.9	976.1	897.3	1076.5	1177.4
Maricopa	693.3	667.8	682.5	668.8	629.4	619.2	614.2	640.2	662.6	663.8	682.1
Mohave	1259.3	1250.2	1247.1	1207.7	1067.5	1201.0	1105.3	1182.9	1209.5	1222.2	1319.3
Navajo	783.3	721.5	729.2	763.3	770.0	690.9	714.7	762.2	838.4	831.2	897.9
Pima	847.4	818.8	830.0	803.8	786.8	796.7	792.2	832.7	851.0	879.8	862.6
Pinal	835.1	766.4	764.6	721.8	693.1	627.0	608.5	600.9	619.4	626.9	623.9
Santa Cruz	525.8	535.9	583.4	525.4	565.0	532.9	598.0	552.5	513.6	621.9	581.1
Yavapai	1149.9	1061.9	1103.4	1121.7	1063.7	1053.4	1012.1	1154.3	1181.6	1236.4	1277.1
Yuma	647.3	626.5	657.6	595.4	585.8	542.3	638.7	653.4	673.5	675.5	630.6

Notes: [a] Crude death rates; number of deaths per 100,000 population.

TABLE 5E-5
TRENDS IN AGE-ADJUSTED[a] MORTALITY RATES FOR ALL CAUSES BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	784.0	757.3	772.5	727.3	663.2	659.6	653.2	679.9	699.6	687.2	687.8
Apache	1030.4	1058.6	959.0	805.1	843.9	817.3	834.1	869.4	940.7	721.4	905.6
Cochise	862.7	808.6	819.6	742.8	647.3	695.1	653.2	766.0	745.5	743.2	759.8
Coconino	790.4	757.1	815.4	728.2	699.8	751.2	715.2	699.4	671.6	717.1	671.5
Gila	911.7	912.6	981.5	820.9	805.5	857.3	738.1	820.1	876.0	801.1	869.0
Graham	851.6	847.0	897.2	842.0	772.0	754.9	670.4	919.8	726.4	897.1	786.5
Greenlee	852.7	722.0	971.8	914.7	861.9	652.7	648.0	669.5	889.5	745.3	421.8
La Paz	671.3	772.2	633.4	594.6	549.8	566.3	621.5	619.5	570.4	700.9	693.1
Maricopa	758.9	734.0	750.8	732.6	656.5	646.4	641.7	655.1	677.8	660.6	667.9
Mohave	981.7	961.5	974.1	873.1	752.0	834.0	780.7	799.7	824.8	813.3	845.8
Navajo	1017.0	944.9	955.2	937.4	884.9	782.9	818.6	808.9	888.5	854.1	901.6
Pima	800.7	777.9	789.3	720.3	669.7	677.4	672.8	697.6	711.8	717.1	696.6
Pinal	802.0	736.0	737.8	694.7	688.3	623.5	607.7	642.0	668.5	648.4	636.2
Santa Cruz	676.3	665.7	736.9	581.3	596.4	568.4	633.7	561.0	519.3	602.8	550.5
Yavapai	789.4	732.4	764.3	740.9	684.3	669.4	656.0	708.8	722.6	747.3	760.4
Yuma	628.2	618.9	651.0	501.1	480.2	440.4	520.7	604.7	628.4	599.7	551.9

Notes: [a] Adjusted to the 2000 standard U.S. population; the rates are per 100,000 resident population in specified county.

TABLE 5E-6
NUMBER OF DEATHS BY RACE/ETHNICITY, GENDER, AND COUNTY OF RESIDENCE, ARIZONA, 2013

	All groups			White non-Hispanic			Hispanic or Latino			Black or African American			American Indian or Alaska Native			Asian or Pacific Islander		
	Total[a]	Male	Female	Total[a]	Male	Female	Total	Male	Female	Total	Male	Female	Total[a]	Male	Female	Total	Male	Female
ARIZONA	49,929	26,222	23,703	39,543	20,550	18,989	6,300	3,412	2,888	1,590†	900†	700†	1,960†	1,100†	850†	540†	260†	280†
Apache	607	348	259	158	97	61	23	14	9	0	0	0	424	236	188	0†	*	*
Cochise	1,266	685	580	958	523	434	265	141	124	25	14	11	10†	*	*	10†	*	9
Coconino	702	383	319	404	210	194	55	28	27	10†	6	*	232	139	93	0†	0	*
Gila	696	372	324	547	285	262	82	45	37	0	0	0	66	42	24	0†	0	*
Graham	275	140	135	184	103	81	60	22	38	0†	*	*	27	12	15	0	0	0
Greenlee	46	26	20	24	12	12	22	14	8	0	0	0	0	0	0	0	0	0
La Paz	247	141	106	195	111	84	21	13	8	0†	*	0	30	16	14	0	0	0
Maricopa	26,906	13,819	13,087	21,974	11,101	10,873	3,078	1,709	1,369	1,151	624	527	317	186	131	386	199	187
Mohave	2,686	1,532	1,154	2,513	1,431	1,082	100	59	41	20†	20	*	37	19	18	10†	*	9
Navajo	976	509	467	522	256	266	61	34	27	10†	*	*	383	214	169	0†	*	*
Pima	8,592	4,432	4,160	6,552	3,351	3,201	1,443	738	705	258	162	96	251	141	110	88	40	48
Pinal	2,457	1,405	1,052	1,904	1,095	809	337	196	141	77	40	37	130	69	61	10†	*	*
Santa Cruz	286	154	132	74	47	27	210	107	103	0†	0	*	0	0	0	0†	0	*
Yavapai	2,724	1,441	1,283	2,547	1,352	1,195	130	68	62	10†	6	*	27	11	16	10†	*	8
Yuma	1,320	720	600	870	484	386	397	210	187	21	13	8	22	11	11	10†	*	8
Unknown	143	115	25	117	92	22	20†	14	*	10†	*	*	0†	*	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes records with unknown gender.

TABLE 5E-7
NUMBER OF DEATHS BY MONTH AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Month of death											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ARIZONA	49,929	5,080†	4,380†	4,480†	4,231	4,080†	3,830†	3,930†	3,890†	3,800†	3,870†	3,924	4,430†
Apache	607	58	41	46	65	56	39	47	42	44	62	51	56
Cochise	1,266	126	116	126	95	122	86	84	104	94	93	105	115
Coconino	702	64	56	61	64	52	74	37	60	54	55	63	62
Gila	696	74	50	53	63	51	55	68	54	53	64	56	55
Graham	275	24	19	24	25	31	26	17	20	22	23	16	28
Greenlee	50†	*	*	*	7	*	*	*	*	*	*	6	*
La Paz	247	29	24	17	23	21	19	19	13	26	15	19	22
Maricopa	26,906	2,743	2,371	2,470	2,321	2,202	2,077	2,122	2,079	2,028	1,997	2,115	2,381
Mohave	2,686	284	236	259	221	221	187	193	214	183	230	223	235
Navajo	976	102	79	86	76	99	87	70	79	65	74	64	95
Pima	8,592	840	800	745	700	683	637	679	664	685	742	647	770
Pinal	2,457	249	222	195	217	200	181	205	203	193	171	197	224
Santa Cruz	286	29	22	26	26	21	20	20	25	16	22	25	34
Yavapai	2,724	276	240	232	214	207	218	235	200	235	206	232	229
Yuma	1,320	161	98	128	107	91	104	108	121	96	102	93	111
Unknown	143	19	6	12	7	15	16	18	10	8	9	12	11

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

TABLE 5E-8
NUMBER OF DEATHS BY COUNTY OF RESIDENCE AND DECEDENT STATUS, ARIZONA, 2013

	IN HOSPITAL					NOT IN HOSPITAL					TOTAL
	In-patient	Out-patient[a]	Died on arrival	Status unknown	Subtotal	Nursing home[b]	Residence	Other[c]	Un-specified	Subtotal	
ARIZONA	10,487	2,760†	20†	15,616	28,877	9,410†	5,920†	5,619	100†	21,052	49,929
Apache	205	38	*	137	380†	29	108	85	*	220†	610†
Cochise	330	85	*	464	880†	107	191	86	*	390†	1,270†
Coconino	214	45	0	230	489	58	74	80	*	210†	700†
Gila	117	33	*	242	390†	122	128	52	*	300†	700†
Graham	63	24	0	128	215	14	31	14	*	60†	280†
Greenlee	11	*	0	19	30†	*	*	7	0	10†	50†
La Paz	53	15	0	114	182	22	16	25	*	70†	250†
Maricopa	5,203	1,436	*	7,404	14,050†	6,565	2,277	3,961	55	12,858	26,910†
Mohave	597	171	0	1,169	1,937	235	388	121	*	750†	2,690†
Navajo	264	77	*	298	640†	46	151	134	*	330†	980†
Pima	1,866	404	*	2,977	5,250†	1,266	1,647	416	15	3,344	8,590†
Pinal	534	166	*	849	1,550†	481	195	224	7	907	2,460†
Santa Cruz	88	14	0	127	229	18	23	15	*	60†	290†
Yavapai	524	122	0	972	1,618	418	445	239	*	1,110†	2,720†
Yuma	380	108	0	486	974	15	233	95	*	350†	1,320†
Unknown	38	14	0	0	52	14	12	65	0	91	143

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes Emergency Room; [b] Includes other long-term care facilities; [c] Includes hospices.

TABLE 5E-9
BODY DISPOSITION BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	**Burial**	17,235	16,801	17,209	16,809	15,640	14,400	14,225	13,940	13,699	13,423	13,356
	Cremation	24,582	24,735	26,864	27,660	27,970	28,972	28,514	28,654	30,152	31,060	32,128
	Other	1,013	1,200	1,042	946	1,030	1,756	2,326	3,277	3,696	3,976	4,445
	TOTAL	42,830	42,736	45,115	45,415	44,640	45,128	45,065	45,871	47,547	48,459	49,929
Apache	**Burial**	421	399	384	359	328	310	362	430	454	347	425
	Cremation	61	73	76	76	77	87	91	94	92	96	103
	Other	27	49	39	19	117	113	77	20	38	28	79
	TOTAL	509	521	499	454	522	510	530	544	584	471	607
Cochise	**Burial**	443	398	429	399	355	353	331	360	307	328	322
	Cremation	660	676	672	724	709	782	753	812	827	805	877
	Other	23	25	15	17	29	50	38	46	49	71	67
	TOTAL	1,126	1,099	1,116	1,140	1,093	1,185	1,122	1,218	1,183	1,204	1,266
Coconino	**Burial**	303	316	309	306	327	301	318	317	340	307	311
	Cremation	307	269	317	312	287	342	343	342	355	379	348
	Other	10	7	6	*	7	32	15	19	27	21	43
	TOTAL	620	592	632	620†	621	675	676	678	722	707	702
Gila	**Burial**	288	305	299	238	300	286	234	226	241	226	226
	Cremation	341	336	376	382	362	422	397	385	388	359	371
	Other	9	6	15	7	*	10	15	50	53	70	99
	TOTAL	638	647	690	627	670†	718	646	661	682	655	696
Graham	**Burial**	184	196	196	197	184	186	187	187	146	165	169
	Cremation	76	76	85	94	97	98	81	101	88	119	97
	Other	*	*	*	*	*	10	*	14	11	16	9
	TOTAL	270†	270†	280†	300†	280†	294	270†	302	245	300	275
Greenlee	**Burial**	37	32	33	38	36	28	22	27	34	33	21
	Cremation	18	14	29	26	26	23	26	28	34	29	25
	Other	0	46	0	*	*	*	*	0	*	*	0
	TOTAL	55	92	62	70†	60†	50†	50†	55	70†	60†	46
La Paz	**Burial**	72	73	59	68	66	51	62	54	48	58	58
	Cremation	108	152	118	131	129	133	145	118	107	111	142
	Other	*	0	*	*	9	16	20	28	31	56	47
	TOTAL	180†	225	180†	200†	204	200	227	200	186	225	247
Maricopa	**Burial**	9,625	9,424	9,749	9,626	8,731	8,266	7,941	7,582	7,408	7,358	7,282
	Cremation	13,442	13,606	14,699	15,041	15,149	15,399	15,206	15,078	16,006	16,235	17,221
	Other	482	503	454	509	537	639	1,202	1,778	2,053	2,192	2,403
	TOTAL	23,549	23,533	24,902	25,176	24,417	24,304	24,349	24,438	25,467	25,785	26,906

TABLE 5E-9 (continued)
BODY DISPOSITION BY COUNTY OF RESIDENCE AND YEAR, ARIZONA, 2003-2013

		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Mohave	**Burial**	586	512	523	568	445	419	384	379	387	363	345
	Cremation	1,519	1,701	1,798	1,769	1,692	1,790	1,645	1,666	1,685	1,793	1,945
	Other	46	40	24	17	16	252	231	323	352	326	396
	TOTAL	2,151	2,253	2,345	2,354	2,153	2,461	2,260	2,368	2,424	2,482	2,686
Navajo	**Burial**	557	515	521	556	536	441	498	514	506	529	552
	Cremation	236	229	251	280	281	264	300	271	347	325	361
	Other	20	31	30	24	71	88	27	34	46	43	63
	TOTAL	813	775	802	860	888	793	825	819	899	897	976
Pima	**Burial**	2,790	2,762	2,714	2,539	2,495	2,133	2,190	2,143	2,084	2,007	2,017
	Cremation	4,690	4,478	4,901	5,113	5,266	5,618	5,511	5,524	5,805	6,168	5,989
	Other	239	385	333	233	138	324	364	496	503	538	586
	TOTAL	7,719	7,625	7,948	7,885	7,899	8,075	8,065	8,163	8,392	8,713	8,592
Pinal	**Burial**	709	714	754	760	745	677	647	689	679	678	638
	Cremation	910	890	1,063	1,120	1,229	1,302	1,216	1,379	1,478	1,515	1,578
	Other	65	69	69	68	59	44	131	190	223	247	241
	TOTAL	1,684	1,673	1,886	1,948	2,033	2,023	1,994	2,258	2,380	2,440	2,457
Santa Cruz	**Burial**	107	117	134	113	128	106	110	77	106	111	102
	Cremation	106	107	121	122	134	144	169	173	125	181	178
	Other	*	*	*	*	*	*	*	12	16	11	6
	TOTAL	220†	230†	260†	240†	260†	250†	280†	262	247	303	286
Yavapai	**Burial**	618	579	607	608	521	465	424	448	438	422	426
	Cremation	1,487	1,453	1,630	1,757	1,801	1,842	1,774	1,795	1,845	1,949	1,970
	Other	44	57	26	21	20	66	105	193	213	245	328
	TOTAL	2,149	2,089	2,263	2,386	2,342	2,373	2,303	2,436	2,496	2,616	2,724
Yuma	**Burial**	492	450	496	433	438	334	435	386	396	366	409
	Cremation	617	666	726	711	725	703	810	826	888	924	845
	Other	24	21	24	20	17	68	61	67	66	96	66
	TOTAL	1,133	1,137	1,246	1,164	1,180	1,105	1,306	1,279	1,350	1,386	1,320
Unknown	**Burial**	*	9	*	*	*	44	80	121	125	125	53
	Cremation	*	9	*	*	6	23	47	62	82	72	78
	Other	14	*	*	*	*	41	30	7	12	14	12
	TOTAL	20†	20†	520†	0†	10†	108	157	190	219	211	143

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

TABLE 5E-10
BODY DISPOSITION BY COUNTY OF OCCURRENCE[a] IN ARIZONA IN 2013

				Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total deaths occurring in Arizona	**Total**		**Total**	51,997	330†	890†	820†	560†	220†	28	170†	28,360†	2,610†	720†	9,143	1,500†	172	2,500†	1,234	2,739
			Burial	14,079	230	209	413	181	130	14	46	7,842	333	367	2,197	414	62	400	374	867
			Cremation	33,319	91	634	380	288	85	14	89	18,063	1,896	300	6,354	937	106	1,801	803	1,478
			Donated	30†	0	0	0	0	0	0	0	10	*	0	0	0	0	*	0	13
			Entombment	610†	0	*	*	0	0	0	*	407	*	0	85	*	0	12	9	82
			Other	240†	*	*	0	*	*	0	0	*	*	*	13	10	0	0	0	204
			Unknown	3,730†	8	44	28	88	6	0	29	2,037	379	46	494	130	*	290	48	95
Body moved outside state	**No**	**Body disposition**	**Total**	47,798	226	840†	720†	544	216	28	157	26,400	2,420†	692	8,665	1,400†	155	2,393	1,058	1,874
			Burial	10,395	127	161	328	168	126	14	41	6,015	176	348	1,755	341	46	295	211	243
			Cremation	33,079	91	633	367	288	84	14	88	17,990	1,880	298	6,332	929	105	1,801	791	1,388
			Donated	20†	0	0	0	0	0	0	0	6	*	0	0	0	0	0	0	13
			Entombment	540†	0	*	*	0	0	0	0	360	0	0	76	*	0	8	9	76
			Other	70†	0	*	0	0	0	0	0	0	*	0	12	*	0	0	0	59
			Unknown	3,690†	8	43	28	88	6	0	28	2,029	364	46	490	128	*	289	47	95
	Yes		**Total**	4,200†	110†	50†	98	20†	10†	0	10†	1,960†	190†	20†	480†	92	20†	110†	176	865
			Burial	3,680†	103	48	85	13	*	0	*	1,827	157	19	442	73	16	105	163	624
			Cremation	240†	0	*	13	0	*	0	*	73	16	*	22	8	*	0	12	90
			Donated	10†	0	0	0	0	0	0	0	*	0	0	0	0	0	*	0	0
			Entombment	70†	0	0	0	0	0	0	*	47	*	0	9	0	0	*	0	6
			Other	170†	*	*	0	*	*	0	0	*	0	*	*	9	0	0	0	145
			Unknown	30†	0	*	0	0	0	0	*	8	15	0	*	*	0	*	*	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Resident and non-resident deaths occurring in

TABLE 5E-11
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY GENDER AND AVERAGE AGE AT DEATH FROM ALL CAUSES BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
PER 100,000 TOTAL POPULATION (BOTH GENDERS):																
Total, all causes	687.8	905.6	759.8	671.5	869.0	786.5	421.8	693.1	667.9	845.8	901.6	696.6	636.2	550.5	760.4	551.9
Cardiovascular disease	187.7	178.7	243.4	152.0	221.1	184.9	115.5	209.2	181.4	264.0	202.0	198.4	178.2	173.6	177.5	139.8
Diseases of heart	143.0	127.6	185.5	123.8	170.6	142.7	82.8	182.5	135.9	237.6	139.1	148.2	138.1	119.5	137.7	109.2
Coronary heart disease	110.0	90.4	126.8	82.9	104.2	82.2	53.4	154.7	107.0	183.7	98.0	116.3	103.0	89.3	97.2	80.8
Malignant neoplasms	149.6	144.4	161.5	125.5	148.3	175.6	108.4	130.1	147.3	192.2	155.7	151.8	146.2	122.3	162.5	116.9
Lung cancer	36.4	22.7	41.0	28.3	44.3	31.7	23.9	30.9	36.5	59.2	33.6	34.6	32.9	15.5	34.5	25.4
Colorectal cancer	13.6	14.5	19.6	9.4	9.9	12.4	0.0	11.9	13.3	19.6	13.4	13.3	13.4	11.3	15.4	8.1
Breast cancer	11.3	2.0	5.1	13.8	8.8	18.5	8.5	10.0	11.9	10.4	11.7	10.9	9.2	12.2	13.2	11.2
Prostate cancer	7.7	17.1	8.5	9.1	6.3	6.4	18.5	11.5	6.7	12.3	12.0	8.6	6.4	9.3	11.3	4.4
Malignant melanoma of skin	3.0	0.0	3.8	2.6	5.1	2.9	0.0	4.8	2.9	4.3	5.8	2.2	3.4	5.7	4.1	3.8
Cervical cancer	1.2	1.7	4.0	1.2	1.0	3.2	0.0	0.0	1.3	1.8	1.1	0.8	0.0	0.0	2.4	1.7
Accident (unintentional injury)	46.3	108.7	33.2	78.8	84.0	52.3	35.4	61.7	40.7	52.9	106.1	50.8	37.4	32.2	74.7	35.0
Accidental poisoning	15.0	9.5	6.3	29.5	27.1	20.4	0.0	18.5	12.6	21.7	51.0	20.0	9.5	7.3	23.1	10.8
Accidental falls	12.1	11.0	10.3	14.4	7.1	5.8	0.0	2.9	12.8	7.9	6.3	12.7	9.1	2.1	18.2	5.7
Motor vehicle accident	11.4	43.1	12.5	23.3	31.5	5.4	26.9	25.4	9.4	12.9	30.1	10.4	12.4	14.4	12.6	11.1
Accidental drowning	1.1	1.7	0.0	0.5	6.8	3.2	0.0	10.3	1.1	0.7	0.0	1.0	2.0	0.0	1.4	1.4
Chronic lower respiratory diseases	44.5	19.2	44.7	34.1	65.7	50.6	27.8	37.4	43.6	71.5	33.9	41.2	45.2	15.4	58.2	35.2
Alzheimer's disease	33.2	13.2	19.0	22.9	29.0	12.1	9.3	0.0	39.2	13.4	18.5	36.7	26.7	32.2	19.7	9.1
Cerebrovascular disease	28.2	34.1	42.1	17.8	35.6	23.7	32.7	22.5	28.1	16.8	41.1	31.1	25.1	33.1	28.9	20.0
Diabetes	23.6	44.3	24.7	19.9	35.8	44.2	9.3	8.8	22.8	24.2	42.3	22.4	22.5	25.9	15.5	44.1
Intentional self-harm (suicide)	17.0	38.1	20.4	17.7	33.7	19.9	9.8	20.4	15.2	29.5	23.2	17.9	13.6	13.5	30.3	7.9
Chronic liver disease and cirrhosis	14.5	31.3	15.4	17.1	28.4	24.9	9.5	27.2	12.0	25.4	41.3	15.9	17.6	12.0	16.2	10.5
Influenza and pneumonia	10.0	26.4	15.9	13.2	18.3	8.9	10.9	8.1	8.0	11.6	20.1	10.2	12.0	16.7	15.0	17.8
Essential (primary) hypertension and hypertensive renal disease	9.7	6.2	9.0	4.9	5.4	16.3	0.0	2.7	11.1	5.7	13.5	9.7	8.9	9.7	5.6	5.2
Parkinson's disease	8.0	3.5	9.3	6.4	6.5	8.4	0.0	1.9	8.2	4.8	9.1	8.5	6.5	6.2	12.3	4.3
Assault (homicide)	5.9	21.1	4.1	5.2	12.9	6.8	0.0	26.1	5.4	5.1	15.2	7.2	5.0	0.0	3.5	4.5
Nephritis	5.3	11.0	10.9	12.2	11.9	8.4	0.0	13.6	3.4	11.5	10.8	4.6	9.2	5.7	11.4	5.1
Septicemia	4.8	6.6	10.4	4.0	4.4	3.2	0.0	0.0	3.6	4.2	9.7	5.6	5.8	11.9	6.6	10.8
HIV disease	1.4	0.0	0.0	2.4	5.2	0.0	0.0	0.0	1.3	3.7	0.6	1.4	0.9	0.0	0.5	1.1
Injury by firearms	14.1	20.7	16.0	10.0	20.9	12.6	0.0	10.2	13.5	19.7	15.1	15.9	8.8	9.1	21.3	11.4
Drug-induced deaths	16.9	1.4	8.1	16.1	27.1	20.4	0.0	20.0	15.5	29.5	25.1	22.2	11.8	5.3	27.2	11.9
Alcohol-induced deaths	15.7	45.5	10.9	37.8	24.3	19.8	0.0	8.7	13.0	20.8	77.5	17.2	16.4	12.0	12.0	5.5
AVERAGE AGE AT DEATH	72.7	64.2	73.6	67.2	72.7	69.4	66.4	70.1	73.0	73.3	67.2	73.8	69.8	74.3	75.3	72.9
MEDIAN AGE AT DEATH	76.9	69.6	76.7	71.3	76.6	73.3	70.5	72.1	77.6	75.2	71.7	78.2	73.0	78.3	78.8	77.1

TABLE 5E-11 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY GENDER AND AVERAGE AGE AT DEATH FROM ALL CAUSES BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
PER 100,000 MALES:																
Total, all causes	805.8	1082.5	888.0	784.0	1037.1	861.9	528.4	794.8	782.8	997.5	1007.8	818.3	749.0	682.6	896.1	629.3
Cardiovascular disease	229.0	214.9	288.9	163.1	269.2	228.3	192.9	262.5	223.9	317.1	225.0	244.3	199.4	233.3	223.3	165.6
Diseases of heart	183.6	167.1	231.0	136.1	212.8	164.0	117.6	241.9	177.4	290.9	164.1	192.6	160.6	170.9	181.7	135.2
Coronary heart disease	145.6	134.2	159.5	103.0	126.3	113.8	97.3	216.4	143.4	234.0	124.4	153.7	123.9	143.7	136.7	104.6
Malignant neoplasms	175.0	157.0	195.1	150.8	165.3	188.9	80.3	124.5	172.6	223.4	181.0	176.8	185.6	135.5	180.3	126.0
Lung cancer	42.9	37.6	55.5	32.7	53.2	33.6	11.2	33.2	43.7	58.4	32.3	38.5	45.5	16.3	44.0	28.3
Prostate cancer	18.2	0.3	0.5	0.3	0.2	0.1	0.1	0.2	8.6	1.3	0.4	3.5	0.7	0.2	1.4	0.4
Colorectal cancer	15.3	8.1	18.5	11.4	12.7	14.6	0.0	9.7	15.8	22.4	15.8	13.4	14.5	4.6	15.0	9.9
Malignant melanoma of skin	4.1	0.0	4.2	6.6	4.3	6.3	0.0	2.9	4.0	5.5	7.0	3.3	4.0	12.3	4.4	4.3
Breast cancer	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accident (unintentional injury)	60.1	161.2	30.4	89.7	119.6	52.4	31.1	93.9	54.1	64.0	144.4	62.9	45.4	52.4	103.4	43.9
Accidental poisoning	19.1	19.2	2.8	37.3	43.4	20.7	0.0	20.3	16.9	25.4	75.3	23.2	9.7	3.8	30.4	12.9
Motor vehicle accident	16.3	64.6	13.4	30.1	40.3	10.2	31.1	44.2	14.2	16.3	31.6	14.0	18.9	28.1	20.0	12.1
Accidental falls	13.2	11.4	9.9	3.9	8.8	0.0	0.0	5.8	14.4	6.8	10.9	13.8	8.7	5.8	20.0	7.2
Accidental drowning	1.6	3.3	0.0	1.1	13.9	5.8	0.0	20.3	1.5	1.3	0.0	1.4	2.6	0.0	0.9	1.7
Chronic lower respiratory diseases	48.1	26.0	52.9	44.3	83.7	87.6	16.5	27.4	46.8	74.4	26.0	41.8	53.3	13.6	67.2	37.0
Diabetes	29.1	59.3	27.5	15.9	46.2	26.2	0.0	14.3	28.3	38.4	46.7	27.8	22.5	24.4	23.1	52.3
Cerebrovascular disease	27.2	24.2	43.1	19.5	40.8	39.0	75.2	20.6	27.1	14.5	39.3	29.9	23.9	35.4	25.4	20.4
Alzheimer's disease	27.2	21.8	16.6	22.4	20.2	6.3	20.3	0.0	32.6	6.3	12.0	30.7	23.6	20.1	17.8	8.2
Intentional self-harm (suicide)	26.6	61.5	29.0	29.6	64.9	29.4	19.5	28.9	24.0	39.2	33.4	28.7	22.3	26.4	44.3	9.9
Chronic liver disease and cirrhosis	18.2	27.3	25.3	23.7	28.1	22.3	17.2	41.5	14.9	33.4	40.7	18.4	25.3	17.3	21.6	16.1
Parkinson's disease	12.0	0.0	12.3	7.9	7.1	11.7	0.0	3.4	12.5	8.9	13.4	12.9	7.8	16.1	19.3	4.0
Influenza and pneumonia	11.6	23.5	20.8	16.2	11.0	0.0	37.6	12.4	8.9	15.9	21.6	11.2	18.7	32.2	14.3	24.1
Essential (primary) hypertension	10.4	0.0	0.2	0.1	0.1	0.1	0.0	0.0	6.5	0.2	0.2	1.8	0.5	0.1	0.5	0.1
Assault (homicide)	9.2	25.7	7.9	7.2	17.7	5.8	0.0	50.2	8.5	8.5	28.1	12.0	5.9	0.0	5.4	5.9
Nephritis	6.1	12.3	11.8	19.0	21.8	0.0	0.0	0.0	3.7	16.8	12.3	4.9	9.9	5.8	13.1	2.8
Septicemia	5.6	10.5	9.3	3.7	5.5	5.8	0.0	0.0	4.1	6.4	15.0	6.6	6.7	9.0	5.0	13.4
HIV disease	2.5	0.0	0.0	3.3	10.7	0.0	0.0	0.0	2.4	6.8	1.3	2.6	1.6	0.0	1.0	2.1
Injury by firearms	24.1	28.5	28.7	18.6	38.4	20.9	0.0	8.6	23.3	31.0	26.3	28.3	13.3	20.5	36.1	16.0
Drug-induced deaths	20.3	0.0	4.0	13.4	43.4	20.7	0.0	23.2	19.9	29.4	26.9	25.2	13.7	0.0	34.2	13.8
Alcohol-induced deaths	21.9	65.6	18.8	55.1	20.1	22.3	0.0	5.7	18.4	28.6	108.6	22.2	22.4	25.9	18.1	9.1
AVERAGE AGE AT DEATH	69.8	59.5	71.8	64.0	70.3	68.9	59.9	68.0	69.7	71.3	63.8	70.9	68.4	71.0	72.6	71.3
MEDIAN AGE AT DEATH	73.5	63.0	74.7	67.2	73.7	74.1	63.8	70.4	73.7	73.4	68.0	74.7	72.0	73.7	75.8	75.5

TABLE 5E-11 (continued)
AGE-ADJUSTED[a] MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY GENDER AND AVERAGE AGE AT DEATH FROM ALL CAUSES BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
PER 100,000 FEMALES:																
Total, all causes	583.8	732.9	647.2	568.6	719.1	730.2	330.7	593.2	570.1	694.0	796.9	592.5	531.3	448.5	632.7	479.6
Cardiovascular disease	152.4	148.6	201.6	142.1	178.4	154.0	63.1	160.4	147.0	208.2	179.7	158.7	158.4	128.8	137.2	115.9
Diseases of heart	109.2	97.5	143.9	112.5	135.2	128.6	47.8	126.4	102.9	183.6	116.7	110.6	118.2	79.1	99.3	85.7
Coronary heart disease	80.2	57.7	98.3	66.5	84.1	57.0	15.4	96.5	77.8	133.9	76.0	84.4	84.4	47.9	62.8	59.1
Malignant neoplasms	129.9	138.9	132.4	105.5	132.8	164.4	129.1	136.7	128.6	164.4	136.4	132.4	112.7	112.1	148.4	108.3
Lung cancer	31.0	11.3	28.0	25.4	35.9	31.1	34.5	28.0	30.6	60.7	34.5	31.6	22.0	14.0	26.8	22.6
Breast cancer	20.7	0.0	0.2	0.4	0.2	0.2	0.0	0.1	12.2	0.8	0.3	3.3	0.9	0.2	1.1	0.6
Colorectal cancer	12.3	19.7	20.2	6.6	7.2	9.4	0.0	13.4	11.5	16.3	11.0	13.4	12.2	16.2	15.9	6.4
Cervical cancer	2.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.0	0.2	0.0	0.0	0.2	0.1
Malignant melanoma of skin	2.2	0.0	3.0	0.0	5.9	0.0	0.0	6.7	2.1	3.1	5.4	1.3	3.5	0.0	3.8	3.2
Chronic lower respiratory diseases	41.8	13.4	39.1	26.3	51.9	20.4	32.8	46.5	41.2	69.8	41.3	41.2	38.9	16.8	50.2	33.5
Alzheimer's disease	37.2	6.1	20.9	24.8	36.1	15.7	0.0	0.0	43.2	18.8	23.5	40.8	29.1	37.6	21.1	10.1
Accident (unintentional injury)	32.8	57.8	35.7	64.9	49.4	51.2	38.8	28.0	27.8	40.7	67.7	39.7	29.3	15.2	46.2	26.3
Accidental falls	11.0	10.3	9.7	20.7	5.7	10.8	0.0	0.0	11.2	8.6	3.1	11.9	9.3	0.0	16.5	4.5
Accidental poisoning	10.8	0.0	10.1	21.4	10.6	18.7	0.0	17.7	8.4	17.7	26.4	16.9	9.2	10.0	15.8	8.7
Motor vehicle accident	6.6	20.9	11.9	16.7	22.8	0.0	21.0	5.2	5.0	9.6	27.7	7.0	5.4	2.6	5.7	9.9
Accidental drowning	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6	1.7	0.0	1.9	1.1
Cerebrovascular disease	28.5	39.8	40.6	16.7	29.3	11.0	15.4	25.9	28.5	17.3	41.2	31.2	25.5	32.9	31.7	19.4
Diabetes	18.8	31.5	21.2	21.9	27.3	63.6	17.0	4.2	18.3	10.5	37.7	17.8	22.7	26.5	8.8	36.4
Chronic liver disease and cirrhosis	11.1	35.5	5.9	10.5	28.7	25.7	0.0	11.6	9.2	17.7	41.9	13.6	10.7	7.7	10.9	5.3
Essential (primary) hypertension	9.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	5.7	0.3	0.2	1.6	0.4	0.1	0.1	0.2
Influenza and pneumonia	8.8	27.2	12.5	10.7	24.6	15.8	0.0	4.2	7.2	7.8	18.4	9.2	6.2	7.1	14.9	12.2
Intentional self-harm (suicide)	7.7	13.9	11.6	6.0	1.9	14.9	0.0	11.6	6.9	20.2	12.9	7.7	4.1	4.1	17.0	5.9
Parkinson's disease	5.1	6.1	7.5	4.0	6.1	5.4	0.0	0.0	5.3	1.1	5.5	5.4	5.2	0.0	6.3	4.6
Nephritis	4.8	10.3	10.6	7.5	6.1	15.6	0.0	27.5	3.2	7.0	8.7	4.5	8.3	6.7	9.8	7.1
Septicemia	4.3	3.0	11.4	3.6	3.6	0.0	0.0	0.0	3.3	2.4	5.0	5.1	4.9	14.2	7.9	8.6
Assault (homicide)	2.5	16.6	0.0	3.3	8.0	8.7	0.0	0.0	2.2	1.5	1.9	2.3	3.9	0.0	1.6	3.0
HIV disease	0.3	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.3	0.0	0.0	0.0	0.0
Injury by firearms	4.4	13.1	2.7	1.4	3.5	8.7	0.0	11.6	4.1	8.1	3.8	4.0	4.0	0.0	6.8	6.8
Drug-induced deaths	13.5	2.8	12.6	18.5	10.6	18.7	0.0	17.7	11.4	29.6	23.4	19.3	9.8	10.0	20.2	10.1
Alcohol-induced deaths	9.9	26.3	3.5	20.6	28.8	16.0	0.0	11.6	8.1	13.3	46.6	12.9	10.9	0.0	6.4	2.2
AVERAGE AGE AT DEATH	76.0	70.5	75.8	71.0	75.4	69.9	74.9	72.8	76.4	75.9	70.8	76.8	71.7	78.0	78.4	74.8
MEDIAN AGE AT DEATH	80.6	75.8	79.3	76.7	79.6	72.2	79.2	75.1	81.3	78.4	74.7	81.7	74.4	81.5	82.1	78.9

Notes: [a] Adjusted to the 2000 standard U.S. population; All rates are per 100,000 resident population; The rates based on fewer than 10 deaths (see Table 5E-12) are not statistically reliable.

TABLE 5E-12
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
TOTAL DEATHS, BOTH GENDERS																	
Total, all causes	49,929	607	1,266	702	696	275	46	247	26,906	2,686	976	8,592	2,457	286	2,724	1,320	143
Salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Certain other intestinal infections	250†	*	10	*	*	*	0	*	126	7	*	53	8	*	14	11	0
Enterocolitis due to Clostridium difficile	190†	*	9	*	*	*	0	*	100	*	*	38	6	*	9	9	0
Tuberculosis	20†	*	0	*	0	0	0	0	12	0	0	0	0	0	0	0	*
Respiratory tuberculosis	10†	*	0	*	0	0	0	0	8	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
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
Septicemia	350†	*	18	*	*	*	0	0	143	14	11	70	22	6	28	27	*
Syphilis	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
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	280†	*	7	*	*	*	0	*	173	12	*	40	10	*	10	*	*
Human immunodeficiency virus (HIV) disease	90†	0	0	*	*	0	0	0	53	7	*	15	*	0	*	*	*
Malaria	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	170†	*	*	*	*	*	0	*	87	8	6	27	6	*	11	6	0
Malignant neoplasms	11,193	101	284	137	144	64	13	57	6,013	678	184	1,905	625	67	624	282	15
Malignant neoplasm of lip, oral cavity and pharynx	150†	*	*	*	*	*	*	0	72	17	*	21	9	*	12	0	0
Malignant neoplasm of esophagus	320†	*	7	*	10	*	0	0	162	15	*	64	27	0	16	8	0
Malignant neoplasm of stomach	200†	*	*	*	*	*	0	*	118	9	*	39	8	0	*	8	0
Malignant neoplasm of colon, rectum and anus	1,000†	9	34	11	10	*	0	*	536	64	15	164	57	6	58	19	*
Malignant neoplasm of liver and intrahepatic bile ducts	530†	6	15	*	*	0	*	*	265	30	8	109	29	6	33	11	*
Malignant neoplasm of pancreas	760†	12	17	6	*	10	*	*	405	38	11	122	59	*	44	15	0
Malignant neoplasm of larynx	50†	0	0	*	0	0	0	0	26	*	*	14	*	0	*	*	*
Malignant neoplasm of trachea, bronchus and lung	2,760†	16	72	30	43	11	*	17	1,499	222	42	442	148	9	142	65	*
Malignant melanoma of skin	220†	0	7	*	*	*	0	*	119	13	7	27	13	*	15	9	0
Malignant neoplasm of breast	840†	*	10	16	9	7	*	*	491	34	15	134	38	7	42	25	0
Malignant neoplasm of cervix uteri	90†	*	6	*	*	*	0	0	52	*	*	9	0	0	6	*	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	140†	0	6	0	*	0	*	*	81	10	*	16	11	0	8	*	0
Malignant neoplasm of ovary	290†	6	8	*	*	0	0	*	169	*	*	61	8	*	14	*	0
Malignant neoplasm of prostate	570†	10	14	9	6	*	*	*	267	43	12	112	25	*	45	11	*
Malignant neoplasm of kidney and renal pelvis	270†	*	7	*	*	*	0	0	144	11	8	52	19	*	12	8	0
Malignant neoplasm of bladder	290†	*	8	*	*	0	0	*	153	20	*	50	20	*	20	8	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
TOTAL DEATHS, BOTH GENDERS																	
Malignant neoplasm of meninges, brain and other parts of CNS	330†	0	6	*	7	*	0	*	192	14	*	46	17	*	16	12	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	1,190†	15	25	20	15	*	*	*	632	72	21	198	73	10	65	36	*
Hodgkin's disease	30†	*	*	*	0	0	0	0	14	*	0	*	*	0	0	*	0
Non-Hodgkin's lymphoma	420†	*	11	8	6	0	0	*	211	24	9	75	28	*	22	12	0
Leukemia	500†	7	9	6	*	*	0	0	282	34	9	76	26	*	26	12	*
Multiple myeloma and immunoproliferative neoplasms	250†	*	*	*	*	0	*	0	124	13	*	46	14	*	17	10	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
All other and unspecified malignant neoplasm	1,210†	12	35	16	18	14	0	*	630	57	17	225	62	9	69	36	*
In situ neoplasms	300†	*	16	0	*	*	0	*	164	14	8	51	11	*	22	6	0
Anemias	50†	0	*	0	0	0	0	*	17	*	*	14	*	0	6	*	0
Diabetes	1,740†	30	43	22	25	16	*	*	934	73	49	278	92	14	54	108	*
Nutritional deficiencies	50†	*	*	*	*	0	0	0	17	*	0	6	*	0	6	*	*
Malnutrition	40†	*	*	*	*	0	0	0	16	*	0	6	*	0	*	*	*
Other nutritional deficiencies	0†	0	0	*	0	0	0	0	*	0	0	0	*	0	*	0	0
Obesity	160†	*	*	*	*	*	0	*	93	*	6	28	13	0	*	*	0
Meningitis	10†	*	0	*	0	0	0	0	8	*	0	0	0	0	0	0	0
Parkinson's disease	580†	*	16	*	6	*	0	*	324	17	9	109	23	*	49	11	0
Alzheimer's disease	2,380†	8	31	18	25	*	*	0	1,555	42	19	477	85	16	80	22	*
Major cardiovascular diseases	13,746	120	406	143	189	62	12	88	7,305	868	215	2,530	654	91	696	338	29
Diseases of heart	10,497	85	308	117	147	47	9	76	5,487	780	148	1,891	512	63	540	263	24
Acute rheumatic fever and chronic rheumatic heart disease	60†	*	*	0	*	*	0	0	32	*	0	14	6	*	*	*	0
Hypertensive heart disease	940†	9	23	7	12	*	*	*	505	75	*	209	46	9	29	*	0
Hypertensive heart and renal disease	50†	0	*	0	*	0	0	0	28	*	0	9	*	0	*	*	0
Ischemic heart disease	7,160†	51	194	73	78	22	*	60	3,817	536	101	1,282	342	39	349	192	19
Acute myocardial infarction	1,592	12	49	22	16	6	0	6	858	64	43	315	79	7	74	39	*
Other acute ischemic heart disease	30†	*	*	0	0	0	0	0	8	*	0	7	*	0	*	6	0
Other forms of chronic ischemic heart disease	5,540†	38	144	51	62	16	*	54	2,951	468	58	960	260	32	273	147	17
Atherosclerotic cardiovascular disease	1,680†	7	31	26	19	*	*	10	871	291	9	226	76	6	94	*	8
All other forms of chronic ischemic heart disease	3,850†	31	113	25	43	14	*	44	2,080	177	49	734	184	26	179	143	9
Other heart diseases	2,280†	24	88	37	55	18	*	12	1,105	164	43	377	117	14	157	63	*
Acute and subacute endocarditis	30†	0	*	0	0	0	0	*	10	0	*	6	0	0	*	*	*
Diseases of pericardium and acute myocarditis	10†	0	*	0	0	0	0	*	*	*	0	*	0	*	0	0	*
Heart failure	470†	7	32	*	18	*	*	*	185	59	9	57	30	*	39	12	0
All other forms of heart disease	1,777	17	54	32	37	13	0	6	905	103	33	313	87	11	114	49	*
Essential (primary) hypertension and hypertensive renal disease	710†	*	15	*	*	6	0	*	444	19	16	126	30	*	22	13	0
Cerebrovascular diseases	2,050†	23	71	15	30	8	*	10	1,123	55	43	393	89	17	114	49	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
TOTAL DEATHS, BOTH GENDERS																	
Atherosclerosis	150†	*	*	*	*	0	0	0	75	*	0	56	*	*	*	*	0
Other diseases of circulatory system	340†	7	11	*	*	*	0	*	176	9	7	64	19	*	19	11	*
Aortic aneurysm and dissection	180†	*	7	*	*	*	0	*	94	*	*	34	8	*	9	6	*
Other disease of arteries, arterioles and capillaries	160†	*	*	*	*	0	0	0	82	*	*	30	11	*	10	*	0
Other disorders of circulatory system	100†	0	*	*	*	*	0	*	52	*	*	22	*	*	*	*	0
Influenza and pneumonia	720†	16	26	12	12	*	*	*	317	34	21	130	42	8	52	44	*
Influenza	40†	0	*	*	*	*	0	0	18	*	*	7	0	0	*	0	0
Pneumonia	680†	16	21	11	10	*	*	*	299	31	20	123	42	8	48	44	*
Other acute lower respiratory infections	10†	0	*	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Acute bronchiolitis	10†	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
Chronic lower respiratory diseases	3,300†	14	78	32	61	18	*	18	1,750	249	39	525	181	8	224	87	8
Bronchitis, chronic and unspecified	10†	0	*	0	0	0	0	0	*	0	0	*	0	*	*	0	0
Emphysema	160†	*	*	6	*	*	0	*	69	35	*	21	7	0	*	*	0
Asthma	90†	*	0	*	*	0	0	0	53	*	*	14	*	*	8	0	*
Other chronic lower respiratory diseases	3,040†	10	73	24	58	16	*	17	1,625	210	33	489	169	6	211	84	7
Pneumoconioses and chemical effects	10†	*	0	0	0	0	0	*	*	0	0	*	*	0	*	0	0
Pneumonitis due to solids and liquids	270†	*	8	*	*	0	0	0	124	10	7	78	11	*	16	6	*
Other disease of respiratory system	530†	8	13	6	8	*	0	*	257	22	16	102	26	*	40	21	0
Peptic ulcer	80†	0	*	*	0	0	0	0	47	*	0	15	*	*	*	0	0
Diseases of appendix	10†	0	0	0	0	0	0	0	*	*	0	*	0	0	0	0	0
Hernia	40†	0	0	0	*	0	0	*	20	*	0	10	*	0	*	0	0
Chronic liver disease and cirrhosis	1,040†	22	25	22	17	9	*	*	488	70	44	180	74	6	51	25	*
Alcoholic liver disease	740†	15	14	16	8	7	0	*	387	48	35	121	47	*	29	8	*
Other chronic liver disease and cirrhosis	300†	7	11	6	9	*	*	*	101	22	9	59	27	*	22	17	0
Cholelithiasis and other disorders of gallbladder	60†	*	*	*	0	0	*	0	35	*	*	9	*	0	0	*	0
Nephritis, nephrotic syndrome and nephrosis	390†	7	18	11	10	*	0	*	135	41	11	57	35	*	46	12	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
Chronic glomerulonephritis	90†	*	*	*	0	0	0	*	48	6	*	15	6	0	*	6	0
Renal failure	300†	6	16	8	10	*	0	*	87	35	9	42	29	*	43	6	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	10†	0	0	*	0	0	0	0	*	0	0	*	0	0	0	*	0
Hyperplasia of prostate	10†	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
Pregnancy, childbirth and the puerperium	10†	0	0	0	*	0	0	0	*	0	*	*	0	0	0	0	0
Pregnancy with abortive outcome	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
TOTAL DEATHS, BOTH GENDERS																	
Other complications of pregnancy, childbirth and the puerperium	10†	0	0	0	*	0	0	0	*	0	*	*	0	0	0	0	0
Perinatal conditions	220†	*	7	8	*	*	0	*	147	*	*	24	*	*	*	9	*
Congenital anomalies, deformations and chromosomal abnormalities	210†	*	9	*	*	*	*	0	113	*	*	41	15	0	*	8	0
Symptoms, signs, abnormal findings	1,710†	50	28	27	11	7	0	9	1,259	77	31	85	55	*	31	23	11
Total accidents	3,140†	71	49	93	47	18	*	13	1,615	113	109	553	135	15	187	74	41
Transport accidents	830†	30	18	33	19	*	*	6	401	28	33	131	49	8	32	24	16
Motor vehicle accidents	770†	28	18	32	18	*	*	6	373	26	31	111	46	6	29	23	15
Other land transport accidents	30†	*	0	*	*	0	*	0	13	*	*	8	*	*	0	*	*
Water, air, space	30†	0	0	0	0	0	0	0	15	*	0	12	*	*	*	0	0
Nontransport accidents	2,303	41	31	60	28	16	0	7	1,214	85	76	422	86	7	155	50	25
Falls	870†	7	17	11	7	*	0	*	515	23	7	159	30	*	74	14	*
Accidental discharge of firearms	10†	0	0	0	0	0	0	0	*	0	0	*	0	*	*	*	0
Accidental drowning and submersion	70†	*	0	*	*	*	0	*	41	*	0	10	7	0	*	*	0
Accidental exposure to smoke, fire and flames	70†	*	*	0	*	0	0	*	23	*	*	9	*	0	16	*	*
Accidental poisoning	970†	6	8	37	11	7	0	*	495	41	50	194	35	*	41	21	14
Other and unspecified nontransport accidents	320†	26	*	11	7	6	0	*	135	15	16	49	10	*	19	10	9
Intentional self-harm (suicide)	1,120†	26	25	26	17	7	*	*	591	68	24	180	52	7	62	17	9
By discharge of firearms	640†	9	19	12	9	*	0	*	348	42	10	107	23	*	35	15	*
By other means	470†	17	6	14	8	*	*	*	243	26	14	73	29	*	27	*	6
Assault (homicide)	380†	13	6	7	6	*	0	*	212	10	14	71	19	0	6	9	*
By discharge of firearms	250†	*	*	*	*	0	0	0	156	*	*	48	10	0	6	7	*
By other means	130†	8	*	6	*	*	0	*	56	7	9	23	9	0	0	*	*
Legal intervention	20†	0	0	0	0	0	0	0	8	*	0	*	*	0	0	0	0
Events of undetermined intent	180†	*	*	*	*	0	0	*	122	*	*	12	10	0	14	*	*
Discharge of firearms	20†	0	0	*	*	0	0	0	9	0	0	*	*	0	0	*	0
Other and unspecified events of undetermined intent	170†	*	*	*	*	0	0	*	113	*	*	10	9	0	14	*	*
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	60†	0	*	*	0	*	0	0	27	*	*	*	6	0	*	*	*
INJURY BY FIREARMS	930†	14	21	14	12	*	0	*	526	46	15	163	35	*	42	24	7
DRUG-INDUCED DEATHS	1,100†	*	10	21	11	7	0	*	613	58	25	215	43	*	50	24	16
ALCOHOL-INDUCED DEATHS	1,100†	30	16	46	14	7	0	*	532	55	76	193	67	6	38	13	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
MALE DEATHS																	
Total, all causes	26,222	348	685	383	372	140	26	141	13,819	1,532	509	4,432	1,405	154	1,441	720	115
Salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Certain other intestinal infections	100†	*	*	*	*	*	0	*	54	*	0	21	*	0	*	*	0
Enterocolitis due to Clostridium difficile	70†	*	*	*	*	*	0	0	40	*	0	16	0	0	*	*	0
Tuberculosis	10†	*	0	*	0	0	0	0	6	0	0	0	0	0	0	0	*
Respiratory tuberculosis	10†	*	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
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Septicemia	180†	*	7	*	*	*	0	0	69	11	8	37	12	*	9	16	*
Syphilis	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	190†	*	7	*	*	*	0	0	114	8	*	26	7	0	7	*	*
Human immunodeficiency virus (HIV) disease	80†	0	0	*	*	0	0	0	46	6	*	13	*	0	*	*	*
Malaria	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	90†	*	*	*	*	*	0	*	49	*	*	17	*	*	*	*	0
Malignant neoplasms	5,950†	49	165	74	75	33	*	30	3,134	383	97	991	382	33	338	147	14
Malignant neoplasm of lip, oral cavity and pharynx	100†	*	*	*	*	*	0	0	46	13	*	15	*	*	9	0	0
Malignant neoplasm of esophagus	260†	*	7	*	7	*	0	0	127	14	*	51	23	0	13	8	0
Malignant neoplasm of stomach	120†	*	*	*	0	*	0	*	70	6	*	23	*	0	*	*	0
Malignant neoplasm of colon, rectum and anus	510†	*	17	7	6	*	0	*	283	34	8	74	31	*	26	11	*
Malignant neoplasm of liver and intrahepatic bile ducts	350†	*	9	*	*	0	*	*	175	21	7	76	20	*	23	6	*
Malignant neoplasm of pancreas	390†	6	9	*	*	*	*	*	208	21	6	62	33	*	26	6	0
Malignant neoplasm of larynx	40†	0	0	0	0	0	0	0	19	0	0	12	*	0	*	*	*
Malignant neoplasm of trachea, bronchus and lung	1,490†	12	46	16	24	*	*	10	806	107	20	218	95	*	83	35	*
Malignant melanoma of skin	140†	0	*	*	*	*	0	*	72	9	*	18	7	*	9	*	0
Malignant neoplasm of breast	10†	0	0	0	0	0	0	0	6	0	0	*	*	0	0	0	0
Malignant neoplasm of prostate	570†	10	14	9	6	*	*	*	266	43	12	112	25	*	45	11	*
Malignant neoplasm of kidney and renal pelvis	180†	0	*	*	*	*	0	0	96	7	*	34	14	*	9	*	0
Malignant neoplasm of bladder	220†	*	6	*	*	0	0	*	110	17	*	40	15	*	16	7	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
MALE DEATHS																	
Malignant neoplasm of meninges, brain and other parts of CNS	170†	0	*	*	*	*	0	0	102	8	0	21	15	*	7	7	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	680†	*	16	12	9	*	0	*	368	48	14	109	46	*	30	20	*
Hodgkin's disease	20†	0	*	0	0	0	0	0	10	*	0	0	*	*	45	11	*
Non-Hodgkin's lymphoma	250†	*	7	6	*	0	0	*	131	17	7	42	19	*	9	*	0
Leukemia	290†	*	6	*	*	*	0	0	158	24	*	43	17	*	16	7	*
Multiple myeloma and immunoproliferative neoplasms	130†	*	*	*	*	0	0	0	68	6	*	24	8	*	7	7	*
Other and unspecified malignant neoplasms of lymphoid tissue	0†	0	0	0	0	0	0	0	*	0	0	0	0	*	30	20	*
All other and unspecified malignant neoplasm	720†	6	21	11	9	9	0	*	380	35	12	125	46	0	0	*	0
In situ neoplasms	180†	*	6	0	0	*	0	*	100	9	*	32	10	0	8	7	0
Anemias	20†	0	*	0	0	0	0	0	10	*	*	6	0	*	14	7	*
Diabetes	990†	19	23	10	17	*	0	*	519	57	27	156	45	0	8	*	0
Nutritional deficiencies	20†	*	*	*	0	0	0	0	*	*	0	*	0	0	0	0	0
Malnutrition	20†	*	*	*	0	0	0	0	*	*	0	*	0	6	37	21	*
Other nutritional deficiencies	0†	0	0	*	0	0	0	0	0	0	0	0	0	*	14	*	0
Obesity	100†	0	*	*	*	*	0	0	59	0	*	14	7	0	0	*	0
Meningitis	10†	*	0	*	0	0	0	0	*	*	0	0	0	6	37	60	*
Parkinson's disease	370†	0	9	*	*	*	0	*	202	15	6	69	13	0	*	*	*
Alzheimer's disease	790†	6	12	6	7	*	*	0	506	9	*	159	34	0	*	*	*
Major cardiovascular diseases	7,360†	67	219	69	102	33	8	54	3,851	510	108	1,334	349	0	*	0	0
Diseases of heart	5,910†	50	174	58	82	23	6	49	3,057	466	78	1,055	282	0	*	*	0
Acute rheumatic fever and chronic rheumatic heart disease	20†	0	*	0	0	0	0	0	7	0	0	*	*	0	0	0	0
Hypertensive heart disease	460†	6	9	*	6	*	*	*	240	46	*	101	21	*	35	*	0
Hypertensive heart and renal disease	30†	0	*	0	*	0	0	0	13	*	0	7	0	*	31	9	*
Ischemic heart disease	4,260†	33	115	42	44	15	*	39	2,245	334	56	744	201	53	389	191	23
Acute myocardial infarction	930†	7	31	11	7	*	0	*	498	42	18	199	40	40	316	155	19
Other acute ischemic heart disease	20†	*	*	0	0	0	0	0	*	*	0	*	*	0	*	*	0
Other forms of chronic ischemic heart disease	3,310†	25	83	31	37	14	*	34	1,743	289	38	543	158	7	11	*	0
Atherosclerotic cardiovascular disease	1,070†	*	19	16	13	*	*	6	543	183	8	142	46	0	*	*	0
All other forms of chronic ischemic heart disease	2,240†	20	64	15	24	12	*	28	1,200	106	30	401	112	27	227	119	15
Other heart diseases	1,150†	11	47	13	31	7	*	6	552	85	19	199	59	6	37	29	*
Acute and subacute endocarditis	20†	0	*	0	0	0	0	0	8	0	*	*	0	0	*	*	0
Diseases of pericardium and acute myocarditis	10†	0	0	0	0	0	0	*	*	0	0	0	0	21	189	85	13
Heart failure	230†	*	12	0	8	*	*	*	96	28	*	30	14	*	72	*	6
All other forms of heart disease	900†	10	34	13	23	*	0	*	446	57	13	166	45	18	117	83	7
Essential (primary) hypertension and hypertensive renal disease	330†	*	6	*	*	*	0	0	206	8	8	58	15	6	74	31	*
Cerebrovascular diseases	860†	9	33	7	15	6	*	*	460	24	19	161	41	0	*	0	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
MALE DEATHS																	
Atherosclerosis	70†	*	0	*	*	0	0	0	33	*	0	24	*	*	0	0	*
Other diseases of circulatory system	190†	6	6	*	*	0	0	0	95	8	*	36	10	0	18	6	0
Aortic aneurysm and dissection	110†	*	6	*	*	0	0	0	57	*	*	20	6	*	53	25	*
Other disease of arteries, arterioles and capillaries	80†	*	0	0	*	0	0	0	38	*	*	16	*	*	16	*	0
Other disorders of circulatory system	60†	0	*	*	*	*	0	*	33	*	*	12	*	7	46	24	*
Influenza and pneumonia	360†	7	14	7	*	0	*	*	147	21	10	60	30	*	*	*	0
Influenza	20†	0	*	*	0	0	0	0	9	*	0	*	0	*	10	8	0
Pneumonia	340†	7	11	6	*	0	*	*	138	19	10	56	30	*	*	6	0
Other acute lower respiratory infections	0†	0	0	0	0	0	0	0	*	0	0	*	0	0	6	*	0
Acute bronchiolitis	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	6	19	28	0
Chronic lower respiratory diseases	1,560†	9	42	18	33	14	*	8	803	123	13	233	94	0	*	0	0
Bronchitis, chronic and unspecified	0†	0	*	0	0	0	0	0	*	0	0	*	0	6	16	28	0
Emphysema	90†	*	*	*	*	*	0	*	37	20	*	10	*	0	0	0	0
Asthma	40†	0	0	*	0	0	0	0	21	*	*	*	*	0	0	0	0
Other chronic lower respiratory diseases	1,440†	6	39	14	31	13	*	7	744	101	9	217	87	0	0	0	0
Pneumoconioses and chemical effects	10†	*	0	0	0	0	0	*	*	0	0	*	*	*	119	44	7
Pneumonitis due to solids and liquids	160†	0	*	0	*	0	0	0	70	9	*	44	9	0	0	0	0
Other disease of respiratory system	300†	*	9	*	6	*	0	*	137	15	9	59	19	0	*	*	0
Peptic ulcer	50†	0	*	0	0	0	0	0	32	*	0	13	*	0	*	0	*
Diseases of appendix	0†	0	0	0	0	0	0	0	*	*	0	*	0	*	114	43	6
Hernia	20†	0	0	0	0	0	0	0	12	*	0	*	0	0	*	0	0
Chronic liver disease and cirrhosis	640†	10	20	15	9	*	*	*	293	48	21	102	54	*	8	*	*
Alcoholic liver disease	480†	8	12	11	*	*	0	*	250	33	18	73	37	*	21	7	0
Other chronic liver disease and cirrhosis	150†	*	8	*	*	0	*	*	43	15	*	29	17	0	*	0	0
Cholelithiasis and other disorders of gallbladder	30†	*	*	*	0	0	*	0	17	*	0	*	*	0	0	0	0
Nephritis, nephrotic syndrome and nephrosis	190†	*	8	7	7	0	0	0	62	28	6	26	19	0	*	0	0
Acute and rapidly progressive nephritic and nephrotic syndrome	0†	0	0	0	0	0	0	0	0	0	0	0	0	*	31	19	*
Chronic glomerulonephritis	50†	*	*	*	0	0	0	0	26	*	*	6	*	*	20	6	*
Renal failure	150†	*	7	*	7	0	0	0	36	26	*	20	15	*	11	13	0
Others disorders of kidney	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infections of kidney	0†	0	0	0	0	0	0	0	*	0	0	*	0	*	23	*	0
Hyperplasia of prostate	10†	0	*	0	0	0	0	0	*	0	0	*	*	0	0	0	0

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
MALE DEATHS																	
Perinatal conditions	110†	*	*	*	*	*	0	0	75	*	0	7	*	0	*	0	0
Congenital anomalies, deformations and chromosomal abnormalities	110†	*	*	*	*	0	*	0	58	*	*	23	7	0	0	0	0
Symptoms, signs, abnormal findings	820†	35	15	15	*	*	0	*	561	44	16	52	31	0	0	0	0
Total accidents	1,930†	53	22	56	31	9	*	10	1,002	64	74	321	85	0	0	0	0
Transport accidents	590†	24	9	21	11	*	*	*	294	20	18	92	39	0	0	0	0
Motor vehicle accidents	540†	22	9	21	11	*	*	*	272	18	17	74	37	*	*	*	*
Other land transport accidents	20†	*	0	0	0	0	0	0	11	*	*	6	0	0	*	*	0
Water, air, space	30†	0	0	0	0	0	0	0	11	*	0	12	*	*	19	10	7
Nontransport accidents	1,340†	29	13	35	20	7	0	*	708	44	56	229	46	11	113	46	32
Falls	400†	*	8	*	*	0	0	*	241	8	*	71	14	6	24	14	12
Accidental discharge of firearms	10†	0	0	0	0	0	0	0	*	0	0	*	0	*	22	13	11
Accidental drowning and submersion	50†	*	0	*	*	*	0	*	29	*	0	7	*	*	0	*	*
Accidental exposure to smoke, fire and flames	50†	*	*	0	0	0	0	*	13	*	*	6	*	0	*	0	0
Accidental poisoning	610†	6	*	24	9	*	0	*	327	22	37	112	20	*	89	32	20
Other and unspecified nontransport accidents	220†	17	*	9	*	*	0	0	93	10	11	32	6	*	36	8	*
Intentional self-harm (suicide)	860†	21	19	21	16	*	*	*	453	49	17	140	45	*	*	*	0
By discharge of firearms	550†	7	17	12	9	*	0	*	297	35	8	91	20	0	*	*	0
By other means	310†	14	*	9	7	*	*	*	156	14	9	49	25	0	16	0	*
Assault (homicide)	300†	8	6	*	*	*	0	*	168	7	13	60	12	*	23	13	10
By discharge of firearms	200†	*	*	*	*	0	0	0	126	*	*	43	7	*	11	8	8
By other means	100†	*	*	*	*	*	0	*	42	*	8	17	*	6	45	11	8
Legal intervention	20†	0	0	0	0	0	0	0	8	*	0	*	*	*	28	11	*
Events of undetermined intent	100†	*	*	*	*	0	0	0	69	0	*	8	6	*	17	0	*
Discharge of firearms	10†	0	0	0	0	0	0	0	7	0	0	*	0	0	*	6	*
Other and unspecified events of undetermined intent	90†	*	*	*	*	0	0	0	62	0	*	6	6	0	*	*	*
Operations of war	0†	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Complications of medical and surgical care	30†	0	*	*	0	*	0	0	13	*	*	*	*	0	0	0	0
INJURY BY FIREARMS	780†	10	19	13	10	*	0	*	443	38	13	141	28	0	7	*	*
DRUG-INDUCED DEATHS	660†	0	*	9	9	*	0	*	386	28	13	121	27	0	0	*	0
ALCOHOL-INDUCED DEATHS	750†	22	13	33	7	*	0	*	363	39	54	124	48	0	7	*	*

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
FEMALE DEATHS																	
Total, all causes	23,703	259	580	319	324	135	20	106	13,087	1,154	467	4,160	1,052	132	1,283	600	25
Salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis and amebiasis	0†	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0
Certain other intestinal infections	150†	*	6	*	*	0	0	*	72	*	*	32	6	*	11	7	0
Enterocolitis due to Clostridium difficile	120†	*	6	*	*	0	0	*	60	*	*	22	6	*	7	6	0
Tuberculosis	6	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Respiratory tuberculosis	10†	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
Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scarlet fever and erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal infection	0†	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0	0
Septicemia	170†	*	11	*	*	0	0	0	74	*	*	33	10	*	19	11	0
Syphilis	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
Arthropod-borne encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral hepatitis	90†	*	0	*	0	0	0	*	59	*	*	14	*	*	*	0	*
Human immunodeficiency virus (HIV) disease	10†	0	0	*	0	0	0	0	7	*	0	*	0	0	0	0	0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified infectious and parasitic diseases	70†	0	0	*	*	*	0	0	38	6	*	10	*	*	7	*	0
Malignant neoplasms	5,243	52	119	63	69	31	8	27	2,879	295	87	914	243	34	286	135	*
Malignant neoplasm of lip, oral cavity and pharynx	50†	0	0	0	0	0	*	0	26	*	*	6	6	0	*	0	0
Malignant neoplasm of esophagus	60†	*	0	*	*	*	0	0	35	*	0	13	*	0	*	0	0
Malignant neoplasm of stomach	80†	*	0	*	*	*	0	0	48	*	*	16	*	0	*	*	0
Malignant neoplasm of colon, rectum and anus	490†	6	17	*	*	*	0	*	253	30	7	90	26	*	32	8	*
Malignant neoplasm of liver and intrahepatic bile ducts	180†	*	6	*	*	0	0	*	90	9	*	33	9	*	10	*	0
Malignant neoplasm of pancreas	360†	6	8	*	*	6	*	*	197	17	*	60	26	*	18	9	0
Malignant neoplasm of larynx	10†	0	0	*	0	0	0	0	7	*	*	*	0	0	*	*	0
Malignant neoplasm of trachea, bronchus and lung	1,280†	*	26	14	19	6	*	7	693	115	22	224	53	*	59	30	0
Malignant melanoma of skin	90†	0	*	0	*	0	0	*	47	*	*	9	6	0	6	*	0
Malignant neoplasm of breast	830†	*	10	16	9	7	*	*	485	34	15	133	36	7	42	25	0
Malignant neoplasm of cervix uteri	90†	*	6	*	*	*	0	0	52	*	*	9	0	0	6	*	0
Malignant neoplasm of corpus uteri and uterus, part unspecified	140†	0	6	0	*	0	*	*	81	10	*	16	11	0	8	*	0
Malignant neoplasm of ovary	290†	6	8	*	*	0	0	*	169	*	*	61	8	*	14	*	0
Malignant neoplasm of kidney and renal pelvis	100†	*	*	*	*	*	0	0	48	*	*	18	*	0	*	*	0
Malignant neoplasm of bladder	70†	*	*	*	*	0	0	0	43	*	*	10	*	0	*	*	0

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
FEMALE DEATHS																	
Malignant neoplasm of meninges, brain and other parts of CNS	150†	0	*	*	6	0	0	*	90	6	*	25	*	0	9	*	0
Malignant neoplasm of lymphoid, hematopoietic and related tissue	510†	10	9	8	6	*	*	0	264	24	7	89	27	8	35	16	0
Hodgkin's disease	10†	*	0	*	0	0	0	0	*	0	0	*	*	0	0	0	0
Non-Hodgkin's lymphoma	170†	*	*	*	*	0	0	0	80	7	*	33	9	*	14	*	0
Leukemia	210†	*	*	*	*	*	0	0	124	10	*	33	9	*	12	*	0
Multiple myeloma and immunoproliferative neoplasms	120†	*	*	*	*	0	*	0	56	7	*	22	6	*	9	6	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	480†	6	14	*	9	*	0	*	250	22	*	100	16	*	32	15	0
In situ neoplasms	120†	0	10	0	*	0	0	0	64	*	*	19	*	*	8	*	0
Anemias	30†	0	*	0	0	0	0	*	7	*	*	8	*	0	6	*	0
Diabetes	760†	11	20	12	8	11	*	*	415	16	22	122	47	8	17	48	0
Nutritional deficiencies	30†	*	*	0	*	0	0	0	13	*	0	*	*	0	*	0	0
Malnutrition	30†	*	*	0	*	0	0	0	12	*	0	*	*	0	*	0	0
Other nutritional deficiencies	0†	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0	0
Obesity	70†	*	0	*	*	0	0	*	34	*	*	14	6	0	0	0	0
Meningitis	10†	0	0	0	0	0	0	0	*	*	0	0	0	0	0	0	0
Parkinson's disease	210†	*	7	*	*	*	0	0	122	*	*	40	10	0	14	6	0
Alzheimer's disease	1,590†	*	19	12	18	*	0	0	1,049	33	14	318	51	11	49	13	0
Major cardiovascular diseases	6,390†	53	187	74	87	29	*	34	3,454	358	107	1,196	305	38	307	147	6
Diseases of heart	4,590†	35	134	59	65	24	*	27	2,430	314	70	836	230	23	224	108	*
Acute rheumatic fever and chronic rheumatic heart disease	50†	*	0	0	*	*	0	0	25	*	0	10	*	*	0	*	0
Hypertensive heart disease	480†	*	14	*	6	*	0	0	265	29	*	108	25	*	18	*	0
Hypertensive heart and renal disease	20†	0	0	0	0	0	0	0	15	*	0	*	*	0	*	0	0
Ischemic heart disease	2,900†	18	79	31	34	7	*	21	1,572	202	45	538	141	12	122	73	*
Acute myocardial infarction	660†	*	18	11	9	*	0	*	360	22	25	116	39	*	37	10	0
Other acute ischemic heart disease	10†	0	0	0	0	0	0	0	*	*	0	*	0	0	*	*	0
Other forms of chronic ischemic heart disease	2,230†	13	61	20	25	*	*	20	1,208	179	20	417	102	11	84	62	*
Atherosclerotic cardiovascular disease	620†	*	12	10	6	0	*	*	328	108	*	84	30	*	22	*	*
All other forms of chronic ischemic heart disease	1,610†	11	49	10	19	*	0	16	880	71	19	333	72	8	62	60	*
Other heart diseases	1,140†	13	41	24	24	11	*	6	553	79	24	178	58	8	83	32	*
Acute and subacute endocarditis	10†	0	0	0	0	0	0	*	*	0	0	*	0	0	*	*	0
Diseases of pericardium and acute myocarditis	10†	0	*	0	0	0	0	0	*	*	0	*	0	0	0	0	0
Heart failure	240†	6	20	*	10	*	*	*	89	31	*	27	16	*	21	6	0
All other forms of heart disease	880†	7	20	19	14	9	0	*	459	46	20	147	42	6	61	24	*
Essential (primary) hypertension and hypertensive renal disease	380†	*	9	*	*	*	0	*	238	11	8	68	15	*	6	10	0
Cerebrovascular diseases	1,180†	14	38	8	15	*	*	*	663	31	24	232	48	10	68	25	0

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
FEMALE DEATHS																	
Atherosclerosis	80†	0	*	*	*	0	0	0	42	*	0	32	*	0	0	*	0
Other diseases of circulatory system	150†	*	*	*	*	*	0	*	81	*	*	28	9	*	9	*	*
Aortic aneurysm and dissection	70†	*	*	*	*	*	0	*	37	*	*	14	*	*	*	0	*
Other disease of arteries, arterioles and capillaries	80†	0	*	*	*	0	0	0	44	0	*	14	7	*	*	*	0
Other disorders of circulatory system	40†	0	*	*	0	*	0	0	19	*	*	10	0	*	*	0	0
Influenza and pneumonia	370†	9	12	*	8	*	0	*	170	13	11	70	12	*	33	16	*
Influenza	20†	0	*	0	*	*	0	0	9	*	*	*	0	0	*	0	0
Pneumonia	350†	9	10	*	6	*	0	*	161	12	10	67	12	*	32	16	*
Other acute lower respiratory infections	10†	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
Unspecified acute lower respiratory infection	0†	0	*	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	1,730†	*	36	14	28	*	*	10	947	126	26	292	87	*	105	43	*
Bronchitis, chronic and unspecified	0†	0	0	0	0	0	0	0	*	0	0	0	0	*	*	0	0
Emphysema	70†	0	*	*	0	*	0	0	32	15	0	11	*	0	*	*	0
Asthma	60†	*	0	*	*	0	0	0	32	*	*	9	*	*	*	0	0
Other chronic lower respiratory diseases	1,600†	*	34	10	27	*	*	10	881	109	24	272	82	*	97	41	*
Pneumoconioses and chemical effects	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	110†	*	*	*	0	0	0	0	54	*	*	34	*	*	8	*	0
Other disease of respiratory system	240†	*	*	*	*	*	0	*	120	7	7	43	7	*	19	14	0
Peptic ulcer	30†	0	0	*	0	0	0	0	15	*	0	*	*	*	*	0	0
Diseases of appendix	0†	0	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Hernia	20†	0	0	0	*	0	0	*	8	*	0	9	*	0	0	0	0
Chronic liver disease and cirrhosis	400†	12	*	7	8	*	0	*	195	22	23	78	20	*	20	6	0
Alcoholic liver disease	260†	7	*	*	*	*	0	*	137	15	17	48	10	0	9	*	0
Other chronic liver disease and cirrhosis	140†	*	*	*	*	*	0	0	58	7	6	30	10	*	11	*	0
Cholelithiasis and other disorders of gallbladder	30†	*	*	*	0	0	0	0	18	0	*	*	*	0	0	*	0
Nephritis, nephrotic syndrome and nephrosis	200†	*	10	*	*	*	0	*	73	13	*	31	16	*	23	9	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
Chronic glomerulonephritis	40†	0	*	*	0	0	0	*	22	*	0	9	*	0	0	*	0
Renal failure	150†	*	9	*	*	*	0	*	51	9	*	22	14	*	22	*	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	10†	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
Pregnancy, childbirth and the puerperium	10†	0	0	0	*	0	0	0	*	0	*	*	0	0	0	0	0
Pregnancy with abortive outcome	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0

TABLE 5E-12 (continued)
DEATHS BY COUNTY OF RESIDENCE AND GENDER FOR SELECTED 100+ CAUSES, ARIZONA, 2013

Cause of death (Tenth Revision, International Statistical Classification of Diseases)	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
FEMALE DEATHS																	
Other complications of pregnancy, childbirth and the puerperium	10†	0	0	0	*	0	0	0	*	0	*	*	0	0	0	0	0
Perinatal conditions	110†	0	*	*	0	*	0	*	72	*	*	17	*	*	0	*	0
Congenital anomalies, deformations and chromosomal abnormalities	100†	*	6	0	*	*	0	0	55	*	*	18	8	0	*	*	0
Symptoms, signs, abnormal findings	890†	15	13	12	6	*	0	6	698	33	15	33	24	0	12	13	*
Total accidents	1,210†	18	27	37	16	9	*	*	613	49	35	232	50	*	74	28	9
Transport accidents	240†	6	9	12	8	0	*	*	107	8	15	39	10	*	8	10	*
Motor vehicle accidents	230†	6	9	11	7	0	*	*	101	8	14	37	9	*	7	10	*
Other land transport accidents	10†	0	0	*	*	0	*	0	*	0	*	*	*	0	0	0	0
Water, air, space	10†	0	0	0	0	0	0	0	*	0	0	0	0	*	*	0	0
Nontransport accidents	970†	12	18	25	8	9	0	*	506	41	20	193	40	*	66	18	*
Falls	470†	*	9	10	*	*	0	0	274	15	*	88	16	0	38	6	0
Accidental discharge of firearms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accidental drowning and submersion	20†	0	0	0	0	0	0	0	12	0	0	*	*	0	*	*	0
Accidental exposure to smoke, fire and flames	20†	0	*	0	*	0	0	0	10	*	0	*	*	0	0	*	0
Accidental poisoning	350†	0	6	13	*	*	0	*	168	19	13	82	15	*	18	8	*
Other and unspecified nontransport accidents	100†	9	*	*	*	*	0	*	42	*	*	17	*	0	8	*	*
Intentional self-harm (suicide)	260†	*	6	*	*	*	0	*	138	19	7	40	7	*	17	6	*
By discharge of firearms	100†	*	*	0	0	*	0	*	51	7	*	16	*	0	7	*	0
By other means	160†	*	*	*	*	*	0	0	87	12	*	24	*	*	10	*	*
Assault (homicide)	80†	*	0	*	*	*	0	0	44	*	*	11	7	0	*	*	0
By discharge of firearms	50†	*	0	0	*	0	0	0	30	*	0	*	*	0	*	*	0
By other means	30†	*	0	*	*	*	0	0	14	*	*	6	*	0	0	0	0
Legal intervention	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Events of undetermined intent	80†	*	*	*	*	0	0	*	53	*	*	*	*	0	7	0	0
Discharge of firearms	10†	0	0	*	*	0	0	0	*	0	0	0	*	0	0	0	0
Other and unspecified events of undetermined intent	70†	*	*	*	0	0	0	*	51	*	*	*	*	0	7	0	0
Operations of war	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	30†	0	0	*	0	0	0	0	14	*	0	*	*	0	*	*	0
INJURY BY FIREARMS	150†	*	*	*	*	*	0	*	83	8	*	22	7	0	8	7	0
DRUG-INDUCED DEATHS	440†	*	7	12	*	*	0	*	227	30	12	94	16	*	22	10	*
ALCOHOL-INDUCED DEATHS	340†	8	*	13	7	*	0	*	169	16	22	69	19	0	11	*	0

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

TABLE 5E-13
RATES[a] FOR SELECTED LEADING CAUSES OF DEATH STATEWIDE AND BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total, all causes	758.7	841.0	967.1	517.3	1296.8	726.1	421.5	1177.4	682.1	1319.3	897.9	862.6	623.9	581.1	1277.1	630.6
Cardiovascular disease	208.9	166.3	310.1	105.4	352.2	163.7	110.0	419.5	185.2	426.3	197.8	254.0	166.1	184.9	326.3	161.5
Diseases of heart	159.5	117.8	235.3	86.2	273.9	124.1	82.5	362.3	139.1	383.1	136.2	189.9	130.0	128.0	253.2	125.6
Coronary heart disease	123.1	83.1	165.8	59.0	167.7	71.3	55.0	305.1	109.6	300.1	96.6	149.7	98.5	97.5	177.2	93.6
Malignant neoplasms	170.1	139.9	216.9	101.0	268.3	169.0	119.1	271.7	152.4	333.0	169.3	191.3	158.7	136.1	292.6	134.7
Lung cancer	42.0	22.2	55.0	22.1	80.1	29.0	27.5	81.0	38.0	109.0	38.6	44.4	37.6	18.3	66.6	31.1
Colorectal cancer	15.1	12.5	26.0	8.1	18.6	13.2	0.0	23.8	13.6	31.4	13.8	16.5	14.5	12.2	27.2	9.1
Malignant melanoma of skin	3.4	0.0	5.3	1.5	7.5	2.6	0.0	9.5	3.0	6.4	6.4	2.7	3.3	6.1	7.0	4.3
Chronic lower respiratory diseases	50.1	19.4	59.6	23.6	113.7	47.5	27.5	85.8	44.4	122.3	35.9	52.7	46.0	16.3	105.0	41.6
Accident (unintentional injury)	47.7	98.4	37.4	68.5	87.6	47.5	36.7	62.0	40.9	55.5	100.3	55.5	34.3	30.5	87.7	35.4
Accidental poisoning	14.7	8.3	6.1	27.3	20.5	18.5	0.0	9.5	12.5	20.1	46.0	19.5	8.9	6.1	19.2	10.0
Falls	13.2	9.7	13.0	8.1	13.0	5.3	0.0	9.5	13.1	11.3	6.4	16.0	7.6	2.0	34.7	6.7
Motor vehicle accident	11.7	38.8	13.8	23.6	33.5	5.3	27.5	28.6	9.5	12.8	28.5	11.1	11.7	12.2	13.6	11.0
Accidental drowning	1.1	1.4	0.0	0.7	3.7	2.6	0.0	4.8	1.0	0.5	0.0	1.0	1.8	0.0	1.9	1.4
Alzheimer's disease	36.2	11.1	23.7	13.3	46.6	10.6	9.2	0.0	39.4	20.6	17.5	47.9	21.6	32.5	37.5	10.5
Cerebrovascular disease	31.1	31.9	54.2	11.1	55.9	21.1	27.5	47.7	28.5	27.0	39.6	39.5	22.6	34.5	53.4	23.4
Diabetes	26.5	41.6	32.8	16.2	46.6	42.2	9.2	19.1	23.7	35.9	45.1	27.9	23.4	28.4	25.3	51.6
Intentional self-harm (suicide)	17.0	36.0	19.1	19.2	31.7	18.5	9.2	19.1	15.0	33.4	22.1	18.1	13.2	14.2	29.1	8.1
Chronic liver disease and cirrhosis	15.8	30.5	19.1	16.2	31.7	23.8	9.2	19.1	12.4	34.4	40.5	18.1	18.8	12.2	23.9	11.9
Influenza and pneumonia	11.0	22.2	19.9	8.8	22.4	7.9	9.2	19.1	8.0	16.7	19.3	13.1	10.7	16.3	24.4	21.0
Essential (primary) hypertension	10.8	5.5	11.5	3.7	9.3	15.8	0.0	4.8	11.3	9.3	14.7	12.7	7.6	10.2	10.3	6.2
Parkinson's disease	8.8	2.8	12.2	3.7	11.2	7.9	0.0	4.8	8.2	8.4	8.3	10.9	5.8	6.1	23.0	5.3
Nephritis	5.9	9.7	13.8	8.1	18.6	7.9	0.0	9.5	3.4	20.1	10.1	5.7	8.9	6.1	21.6	5.7
Assault (homicide)	5.8	18.0	4.6	5.2	11.2	5.3	0.0	14.3	5.4	4.9	12.9	7.1	4.8	0.0	2.8	4.3
Septicemia	5.4	6.9	13.8	2.9	7.5	2.6	0.0	0.0	3.6	6.9	10.1	7.0	5.6	12.2	13.1	12.9
HIV disease	1.4	0.0	0.0	2.2	5.6	0.0	0.0	0.0	1.3	3.4	0.9	1.5	0.8	0.0	0.5	1.0
INJURY BY FIREARMS	14.1	19.4	16.0	10.3	22.4	10.6	0.0	14.3	13.3	22.6	13.8	16.4	8.9	10.2	19.7	11.5
DRUG-INDUCED DEATHS	16.7	1.4	7.6	15.5	20.5	18.5	0.0	14.3	15.5	28.5	23.0	21.6	10.9	4.1	23.4	11.5
ALCOHOL-INDUCED DEATHS	16.7	41.6	12.2	33.9	26.1	18.5	0.0	9.5	13.5	27.0	69.9	19.4	17.0	12.2	17.8	6.2

Notes: [a] These are crude mortality rates (the number of deaths per 100,000 population).

TABLE 5E-14
PERCENT OF TOTAL DEATHS FOR SELECTED LEADING CAUSES OF DEATH STATEWIDE AND BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Total, all causes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Cardiovascular disease	27.5	19.8	32.1	20.4	27.2	22.5	26.1	35.6	27.2	32.3	22.0	29.4	26.6	31.8	25.6	25.6
Diseases of heart	21.0	14.0	24.3	16.7	21.1	17.1	19.6	30.8	20.4	29.0	15.2	22.0	20.8	22.0	19.8	19.9
Coronary heart disease	16.2	9.9	17.1	11.4	12.9	9.8	13.0	25.9	16.1	22.7	10.8	17.4	15.8	16.8	13.9	14.8
Malignant neoplasms	22.4	16.6	22.4	19.5	20.7	23.3	28.3	23.1	22.3	25.2	18.9	22.2	25.4	23.4	22.9	21.4
Lung cancer	5.5	2.6	5.7	4.3	6.2	4.0	6.5	6.9	5.6	8.3	4.3	5.1	6.0	3.1	5.2	4.9
Colorectal cancer	2.0	1.5	2.7	1.6	1.4	1.8	0.0	2.0	2.0	2.4	1.5	1.9	2.3	2.1	2.1	1.4
Malignant melanoma of skin	0.4	0.0	0.6	0.3	0.6	0.4	0.0	0.8	0.4	0.5	0.7	0.3	0.5	1.0	0.6	0.7
Chronic lower respiratory diseases	6.6	2.3	6.2	4.6	8.8	6.5	6.5	7.3	6.5	9.3	4.0	6.1	7.4	2.8	8.2	6.6
Accident (unintentional injury)	6.3	11.7	3.9	13.2	6.8	6.5	8.7	5.3	6.0	4.2	11.2	6.4	5.5	5.2	6.9	5.6
Accidental poisoning	1.9	1.0	0.6	5.3	1.6	2.5	0.0	0.8	1.8	1.5	5.1	2.3	1.4	1.0	1.5	1.6
Falls	1.5	4.6	1.4	4.6	2.6	0.7	6.5	2.4	1.4	1.0	3.2	1.3	1.9	2.1	1.1	1.7
Motor vehicle accident	1.7	1.2	1.3	1.6	1.0	0.7	0.0	0.8	1.9	0.9	0.7	1.9	1.2	0.3	2.7	1.1
Accidental drowning	0.1	0.2	0.0	0.1	0.3	0.4	0.0	0.4	0.2	0.0	0.0	0.1	0.3	0.0	0.1	0.2
Alzheimer's disease	4.8	1.3	2.4	2.6	3.6	1.5	2.2	0.0	5.8	1.6	1.9	5.6	3.5	5.6	2.9	1.7
Cerebrovascular disease	4.1	3.8	5.6	2.1	4.3	2.9	6.5	4.0	4.2	2.0	4.4	4.6	3.6	5.9	4.2	3.7
Diabetes	3.5	4.9	3.4	3.1	3.6	5.8	2.2	1.6	3.5	2.7	5.0	3.2	3.7	4.9	2.0	8.2
Intentional self-harm (suicide)	2.2	4.3	2.0	3.7	2.4	2.5	2.2	1.6	2.2	2.5	2.5	2.1	2.1	2.4	2.3	1.3
Chronic liver disease and cirrhosis	2.1	3.6	2.0	3.1	2.4	3.3	2.2	1.6	1.8	2.6	4.5	2.1	3.0	2.1	1.9	1.9
Influenza and pneumonia	1.5	2.6	2.1	1.7	1.7	1.1	2.2	1.6	1.2	1.3	2.2	1.5	1.7	2.8	1.9	3.3
Essential (primary) hypertension	0.8	1.2	1.4	1.6	1.4	1.1	0.0	0.8	0.5	1.5	1.1	0.7	1.4	1.0	1.7	0.9
Parkinson's disease	1.4	0.7	1.2	0.7	0.7	2.2	0.0	0.4	1.7	0.7	1.6	1.5	1.2	1.7	0.8	1.0
Nephritis	1.2	0.3	1.3	0.7	0.9	1.1	0.0	0.4	1.2	0.6	0.9	1.3	0.9	1.0	1.8	0.8
Assault (homicide)	0.7	0.8	1.4	0.6	0.6	0.4	0.0	0.0	0.5	0.5	1.1	0.8	0.9	2.1	1.0	2.0
Septicemia	0.8	2.1	0.5	1.0	0.9	0.7	0.0	1.2	0.8	0.4	1.4	0.8	0.8	0.0	0.2	0.7
HIV disease	0.2	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.2	0.3	0.1	0.2	0.1	0.0	0.0	0.2
INJURY BY FIREARMS	1.9	2.3	1.7	2.0	1.7	1.5	0.0	1.2	2.0	1.7	1.5	1.9	1.4	1.7	1.5	1.8
DRUG-INDUCED DEATHS	2.2	0.2	0.8	3.0	1.6	2.5	0.0	1.2	2.3	2.2	2.6	2.5	1.8	0.7	1.8	1.8
ALCOHOL-INDUCED DEATHS	2.2	4.9	1.3	6.6	2.0	2.5	0.0	0.8	2.0	2.0	7.8	2.2	2.7	2.1	1.4	1.0

TABLE 5E-15
MORTALITY BY FIVE-YEAR AGE GROUPS AND COUNTY OF RESIDENCE, ARIZONA, 2013

	Total[a]	Infant's age group:					Age group																				
		<1 day	1-6 days	7-27 days	28-365 days	Total <1 year	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+	Unknown
ARIZONA	49,929	160†	60†	70†	160†	450†	130†	50†	70†	210†	450†	520†	560†	670†	920†	1,330†	2,090†	2,880†	3,600†	4,190†	4,900†	5,420†	6,669	7,220†	5,220†	1,980†	380†	20†
Apache	607	*	*	0	6	10†	6	*	*	8	15	21	18	16	22	25	35	40	45	48	54	69	65	49	38	17	*	*
Cochise	1,266	*	*	*	*	10†	*	0	0	*	6	*	9	9	16	34	40	101	91	107	145	162	178	173	117	49	*	*
Coconino	702	*	*	0	*	10†	*	*	*	*	12	18	12	14	21	32	41	61	52	47	66	71	74	77	56	20	6	*
Gila	696	*	*	0	*	0†	*	*	0	*	6	7	6	10	11	19	30	34	47	65	85	81	98	113	53	16	*	0
Graham	275	*	*	*	*	10†	0	*	0	*	*	0	*	*	7	12	12	20	30	21	26	38	33	32	17	6	*	0
Greenlee	46	0	0	0	*	0†	0	0	*	*	*	*	0	0	*	*	*	*	*	*	*	*	7	*	*	*	0	0
La Paz	247	0	*	0	0	0†	*	0	0	0	*	*	*	*	*	*	11	21	33	26	38	34	32	21	10	*	0	0
Maricopa	26,906	104	41	44	96	285	69	23	44	120	235	279	293	376	527	737	1,137	1,487	1,837	2,181	2,436	2,786	3,625	4,027	2,991	1,185	225	*
Mohave	2,686	*	0	0	*	10†	*	*	*	7	10	17	14	20	34	57	113	167	240	287	355	367	360	327	216	65	18	0
Navajo	976	*	*	*	*	10†	7	*	*	12	16	25	24	23	35	40	43	74	65	75	115	103	110	89	73	33	*	0
Pima	8,592	15	8	10	25	58	18	7	10	29	83	80	96	101	135	210	377	498	598	676	765	861	1,188	1,343	1,016	367	74	*
Pinal	2,457	8	*	*	8	20†	10	*	9	12	33	20	40	42	41	82	102	139	210	266	337	319	263	277	171	54	8	0
Santa Cruz	286	*	0	*	0	0†	*	0	0	*	*	*	*	*	*	*	10	12	27	22	25	38	42	42	30	10	6	0
Yavapai	2,724	*	0	0	*	10†	*	*	*	7	15	26	20	27	38	41	80	139	203	231	296	284	400	450	318	112	21	0
Yuma	1,320	11	0	*	*	20†	*	0	*	8	8	13	15	18	16	17	40	62	98	124	145	199	188	194	109	39	*	0
Unknown	143	*	0	0	0	0†	*	0	0	0	*	*	*	*	7	14	20	24	18	11	9	6	6	*	0	0	*	12

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

TABLE 5E-16
INFANT MORTALITY BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	586	622	653	642	701	625	547	519	504	495	447
Apache	6	12	14	6	6	13	11	7	9	*	10
Cochise	19	13	19	17	16	11	10	15	9	9	13
Coconino	11	14	14	10	13	11	6	15	7	9	10
Gila	6	6	7	*	10	*	*	7	7	*	*
Graham	*	*	*	*	7	6	*	*	*	*	*
Greenlee	0	*	*	0	0	*	0	*	*	0	*
La Paz	*	*	*	*	*	*	*	*	*	*	*
Maricopa	369	396	383	406	422	382	329	312	310	323	285
Mohave	21	16	27	18	17	8	12	11	18	*	6
Navajo	15	12	17	9	22	17	9	9	14	14	7
Pima	84	99	109	100	100	97	81	74	57	59	58
Pinal	19	20	30	29	39	33	39	20	26	26	18
Santa Cruz	*	7	*	*	*	*	*	11	*	6	*
Yavapai	8	6	10	19	19	9	15	10	7	10	8
Yuma	23	17	14	18	24	26	20	20	27	18	18
Unknown	0	0	0	0	0	*	*	*	*	*	*

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

TABLE 5E-17
INFANT MORTALITY RATES[a] BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	6.5	6.7	6.8	6.3	6.8	6.3	5.9	6.0	5.9	5.8	5.3
Apache	4.8	9.0	10.9	5.0	5.2	10.7	8.9	6.4	8.4	**	10.5
Cochise	10.8	7.2	10.7	9.4	8.6	6.2	5.4	8.4	5.4	5.3	8.1
Coconino	5.7	6.9	6.8	4.8	6.1	5.5	3.2	8.5	4.0	5.3	6.2
Gila	8.7	9.0	10.8	**	14.4	**	**	10.4	11.3	**	**
Graham	**	**	**	**	12.0	9.3	**	**	**	**	**
Greenlee	0.0	**	**	0.0	0.0	**	0.0	**	**	0.0	**
La Paz	**	**	**	**	**	**	**	**	**	**	**
Maricopa	6.3	6.5	6.2	6.1	6.4	6.1	5.7	5.8	5.8	5.9	5.3
Mohave	9.8	7.3	12.1	7.3	7.0	3.5	5.4	5.4	9.2	**	3.4
Navajo	8.7	6.7	8.9	4.8	10.9	8.7	4.8	5.2	8.5	8.6	4.5
Pima	6.6	7.6	8.4	7.2	7.2	7.2	6.3	6.1	4.8	5.0	4.8
Pinal	6.5	6.5	8.2	6.5	7.4	5.8	7.3	4.0	5.6	5.6	3.9
Santa Cruz	**	8.7	**	**	**	**	**	15.9	**	8.9	**
Yavapai	4.3	3.0	4.7	8.0	7.9	4.1	7.3	5.5	3.8	5.6	4.4
Yuma	7.2	5.1	4.3	5.4	7.4	7.7	6.2	6.2	8.4	5.8	5.8

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] The number of infant deaths per 1,000 live births.

TABLE 5E-18
INFANT MORTALITY BY COUNTY OF RESIDENCE, CHILD'S RACE/ETHNICITY, AND GENDER, ARIZONA, 2013

	Total			Race/ethnicity													
	Total[a]	Male	Female	White non-Hispanic			Hispanic or Latino			Black or African American			American Indian Alaska Native			Asian or Pacific Islander		
				T	M	F	T	M	F	T	M	F	T	M	F	T	M	F
ARIZONA	447	242	205	160†	90†	70†	190†	100†	90†	60†	30†	30†	40†	20†	20†	10†	0†	0†
Apache	10	6	*	0†	*	*	0	0	0	0	0	0	10†	*	*	0	0	0
Cochise	13	7	6	10†	*	*	10†	*	*	0	0	0	0	0	0	0	0	0
Coconino	10	9	*	0†	*	0	0†	*	0	0	0	0	10†	*	*	0	0	0
Gila	3	*	*	0†	0	*	0	0	0	0	0	0	0†	*	0	0	0	0
Graham	5	*	*	0†	*	*	0†	0	*	0†	0	*	0†	*	0	0	0	0
Greenlee	1	*	0	0	0	0	0†	*	0	0	0	0	0	0	0	0	0	0
La Paz	1	0	*	0†	0	*	0	0	0	0	0	0	0	0	0	0	0	0
Maricopa	285	152	133	106	59	47	118	60	58	50	26	24	10†	6	*	0†	*	*
Mohave	6	*	*	0†	*	*	0†	0	*	0†	*	0	0†	0	*	0	0	0
Navajo	7	*	6	0†	0	*	0†	*	*	0	0	0	0†	0	*	0	0	0
Pima	58	29	29	15	7	8	27	16	11	10†	*	*	10†	*	6	0†	*	0
Pinal	18	11	7	10†	6	*	10†	*	*	0	0	0	0†	*	*	0	0	0
Santa Cruz	3	*	*	0	0	0	0†	*	*	0	0	0	0	0	0	0	0	0
Yavapai	8	7	*	10†	6	*	0†	*	0	0	0	0	0	0	0	0	0	0
Yuma	18	9	9	0†	*	*	15	7	8	0	0	0	0	0	0	0	0	0
Unknown	1	*	0	0	0	0	0†	*	0	0	0	0	0	0	0	0	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes records with unknown race/ethnicity.

TABLE 5E-19
LEADING CAUSES OF INFANT DEATH BY COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	County of residence															
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Certain conditions originating in the perinatal period	210†	*	7	6	*	*	0	*	144	*	*	24	*	*	*	9	*
Maternal complications	30†	0	0	*	0	*	0	0	18	0	0	*	*	0	*	*	0
Complications of placenta, cord and membrane	30†	0	*	0	0	0	0	0	22	0	0	*	0	0	0	0	0
Short gestation and low birth weight	60†	0	*	*	*	0	0	0	41	*	*	*	*	0	*	*	0
Intrauterine hypoxia or birth asphyxia	10†	0	*	*	0	0	0	0	0	0	0	*	0	*	0	0	0
Respiratory distress syndrome	10†	0	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Other respiratory condition	10†	0	*	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Bacterial sepsis of newborn	10†	0	*	0	0	*	0	0	9	0	0	*	0	0	0	0	0
Atelectasis	10†	0	*	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Congenital malformations	100†	*	*	*	*	0	*	0	55	0	*	16	6	0	*	*	0
of heart	30†	*	*	0	*	0	*	0	10	0	0	7	*	0	0	*	0
of respiratory system	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	*	*	0
of brain, spinal cord or nervous system	13	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0
Sudden infant death syndrome	10†	0	0	0	0	0	0	0	12	0	*	0	0	0	0	*	0
Accident (unintentional injury)	10†	0	0	0	0	0	0	0	8	*	*	*	*	0	0	*	0
Motor vehicle accident	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0	0
Mechanical suffocation	10†	0	0	0	0	0	0	0	7	*	*	*	*	0	0	*	0
Influenza and pneumonia	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	*	0	0
Diseases of the circulatory system	10†	*	0	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Certain infectious and parasitic diseases	20†	0	0	0	0	0	0	0	12	0	*	*	*	0	0	0	0
Diseases of the digestive system	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Diseases of the nervous system	10†	*	0	0	0	0	0	0	8	0	0	0	0	0	0	*	0
Assault (homicide)	10†	0	*	0	0	0	0	0	*	0	0	*	0	0	0	0	0
Events of undetermined intent	10†	*	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Other ill-defined and unspecified causes of mortality	40†	0	0	*	0	*	0	0	25	*	0	7	*	0	0	0	0
Total, all causes[a]	447	10	13	10	*	*	*	*	285	6	7	58	18	*	8	18	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes causes of death not shown above.

TABLE 5E-20
POSTNEONATAL MORTALITY BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA[a]	198	201	229	202	222	206	186	189	173	163	158
Apache	*	*	7	*	*	7	6	*	*	*	6
Cochise	9	*	*	*	6	*	*	*	*	*	*
Coconino	6	7	*	*	*	*	*	*	*	0	*
Gila	*	*	*	*	0	*	*	*	*	*	*
Graham	*	0	*	0	*	*	0	0	0	*	*
Greenlee	0	*	*	0	0	*	0	*	0	0	*
La Paz	*	*	*	0	*	*	*	*	*	*	0
Maricopa	116	123	132	128	129	124	108	114	105	107	96
Mohave	10	8	12	*	7	*	*	*	*	*	*
Navajo	6	*	9	*	12	10	6	*	8	6	*
Pima	27	27	35	31	28	32	25	28	14	19	25
Pinal	9	*	10	9	10	10	15	8	8	8	8
Santa Cruz	*	*	*	*	*	*	0	*	*	*	0
Yavapai	*	*	*	7	9	*	*	*	*	*	*
Yuma	*	*	*	*	8	*	7	*	10	6	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Includes unknown county of residence.

TABLE 5E-21
POSTNEONATAL MORTALITY RATES[a] BY COUNTY OF RESIDENCE, ARIZONA , 2003-2013

County	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	2.2	2.2	2.4	2.0	2.2	2.1	2.0	2.2	2.0	1.9	1.9
Apache	**	**	5.5	**	**	5.8	4.8	**	**	**	6.3
Cochise	5.1	**	**	**	3.2	**	**	**	**	**	**
Coconino	3.1	3.5	**	**	**	**	**	**	**	0.0	**
Gila	**	**	**	**	0.0	**	**	**	**	**	**
Graham	**	0.0	**	0.0	**	**	0.0	0.0	0.0	**	**
Greenlee	0.0	**	**	0.0	0.0	**	0.0	**	0.0	0.0	**
La Paz	**	**	**	0.0	**	**	**	**	**	**	0.0
Maricopa	2.0	2.0	2.1	1.9	2.0	2.0	1.9	2.1	2.0	2.0	1.8
Mohave	4.7	3.7	5.4	**	2.9	**	**	**	**	**	**
Navajo	3.5	**	4.7	**	6.0	5.1	3.2	**	4.9	3.7	**
Pima	2.1	2.1	2.7	2.2	2.0	2.4	1.9	2.3	1.2	1.6	2.1
Pinal	3.1	**	2.7	2.0	1.9	1.7	2.8	1.6	1.7	1.7	1.8
Santa Cruz	**	**	**	**	**	**	0.0	**	**	**	0.0
Yavapai	**	**	**	2.9	3.7	**	**	**	**	**	**
Yuma	**	**	**	**	2.5	**	2.2	**	3.1	1.9	**

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] Post-neonatal deaths per 1,000 live births.

TABLE 5E-22
NEONATAL MORTALITY BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA[a]	388	421	424	440	479	419	361	330	331	332	289
Apache	*	8	7	*	*	6	*	*	*	*	*
Cochise	10	9	14	12	10	9	6	14	*	7	11
Coconino	*	7	9	8	9	6	*	10	*	9	7
Gila	*	*	6	*	10	*	*	*	*	*	*
Graham	0	*	*	*	*	*	*	*	*	*	*
Greenlee	0	0	0	0	0	0	0	0	*	0	0
La Paz	*	*	0	*	0	*	*	*	0	*	*
Maricopa	253	273	251	278	293	258	221	198	205	216	189
Mohave	11	8	15	13	10	7	9	7	13	*	*
Navajo	9	7	8	*	10	7	*	*	6	8	*
Pima	57	72	74	69	72	65	56	46	43	40	33
Pinal	10	15	20	20	29	23	24	12	18	18	10
Santa Cruz	0	*	*	*	*	*	*	7	*	*	*
Yavapai	6	*	*	12	10	7	11	*	*	7	*
Yuma	19	12	11	13	16	23	13	17	17	12	14

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; a Includes unknown county of residence.

TABLE 5E-23
NEONATAL MORTALITY RATE[a] BY COUNTY OF RESIDENCE, ARIZONA, 2003-2013

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	4.3	4.5	4.4	4.3	4.7	4.2	3.9	3.8	3.9	3.9	3.4
Apache	**	6.0	5.5	**	**	5.0	**	**	**	**	**
Cochise	5.7	5.0	7.9	6.6	5.4	5.1	3.3	7.9	**	4.1	6.8
Coconino	**	3.5	4.3	3.9	4.2	3.0	**	5.6	**	5.3	4.3
Gila	**	**	9.2	**	14.4	**	**	**	**	**	**
Graham	0.0	**	**	**	**	**	**	**	**	**	**
Greenlee	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0
La Paz	**	**	0.0	**	0.0	**	**	**	0.0	**	**
Maricopa	4.3	4.5	4.0	4.2	4.4	4.1	3.8	3.7	3.8	4.0	3.5
Mohave	5.2	3.7	6.7	5.3	4.1	3.0	4.1	3.5	6.6	**	**
Navajo	5.2	3.9	4.2	**	5.0	3.6	**	**	3.7	4.9	**
Pima	4.5	5.5	5.7	5.0	5.2	4.8	4.4	3.8	3.6	3.4	2.8
Pinal	3.4	4.9	5.5	4.5	5.5	4.0	4.5	2.4	3.9	3.9	2.2
Santa Cruz	0.0	**	**	**	**	**	**	10.1	**	**	**
Yavapai	3.2	**	**	5.0	4.1	3.2	5.3	**	**	3.9	**
Yuma	6.0	3.6	3.3	3.9	4.9	6.8	4.0	5.3	5.3	3.8	4.5

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] Number of neonatal deaths per 1,000 live births.

TABLE 5E-24
LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	County of residence															
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Accident (unintentional injury)	84	*	0	*	*	0	*	*	36	*	*	10	10	*	*	*	*
Motor vehicle accident	45	*	0	*	*	0	0	*	17	*	*	*	6	*	*	*	*
Accidental drowning and submersion	20	0	0	0	0	0	0	0	13	0	0	*	*	0	0	*	0
Malignant neoplasms	29	0	0	0	0	*	0	0	19	0	*	*	*	0	*	*	0
Leukemia	8	0	0	0	0	0	0	0	*	0	0	*	0	0	*	*	0
Congenital malformations	21	0	*	0	0	0	0	0	11	0	0	7	*	0	0	0	0
Assault (homicide)	19	0	0	*	*	0	0	0	8	0	0	*	*	0	0	0	0
By other means	16	0	0	*	*	0	0	0	*	0	0	*	*	0	0	0	0
By discharge of firearms	3	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0	0
Intentional self-harm (suicide)	8	*	0	*	0	0	0	0	*	0	*	0	0	0	0	0	0
Chronic lower respiratory disease	8	0	0	0	0	0	0	0	*	0	*	0	*	0	*	0	0
Asthma	8	0	0	0	0	0	0	0	*	0	*	0	*	0	*	0	0
Influenza and pneumonia	4	0	0	0	0	0	0	0	*	*	*	0	0	0	*	0	0
Total, all causes[a]	252	8	*	7	*	*	*	*	136	6	10	35	23	*	8	6	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] May include other causes of death not shown above.

TABLE 5E-25
RATES[a] FOR THE LEADING CAUSES OF DEATH AMONG CHILDREN (1-14 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2013

Underlying cause of death	ARIZONA	County of residence														
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Accident (unintentional injury)	6.6	**	0.0	**	**	0.0	**	**	4.5	**	**	5.8	12.2	**	**	**
Motor vehicle accident	3.5	**	0.0	**	**	0.0	0.0	**	2.1	**	**	**	7.3	**	**	**
Accidental drowning and submersion	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	**	**	0.0	0.0	**
Malignant neoplasms	2.3	0.0	0.0	0.0	0.0	**	0.0	0.0	2.4	0.0	**	**	**	0.0	**	**
Leukemia	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	**	0.0	0.0	**	**
Congenital malformations	1.6	0.0	**	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	4.0	**	0.0	0.0	0.0
Assault (homicide)	1.5	0.0	0.0	**	**	0.0	0.0	0.0	1.0	0.0	0.0	**	**	0.0	0.0	0.0
By other means	0.2	0.0	0.0	**	**	0.0	0.0	0.0	**	0.0	0.0	**	**	0.0	0.0	0.0
By discharge of firearms	1.3	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	0.0
Intentional self-harm (suicide)	0.6	**	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 disease	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	**	0.0	**	0.0	**	0.0
Asthma	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	**	0.0	**	0.0	**	0.0
Influenza and pneumonia	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	**	**	0.0	0.0	0.0	**	0.0
Total, all causes	19.8	48.1	**	28.5	**	**	**	**	17.2	19.4	41.0	20.2	28.0	**	26.7	13.8

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] All rates are per 100,000 children 1-14 years old.

TABLE 5E-26
LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	County of residence														
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Accident (unintentional injury)	86	*	*	*	*	0	0	0	43	*	7	11	6	*	*	*
Motor vehicle accident	51	*	*	*	*	0	0	0	21	*	*	9	*	0	*	*
Accidental poisoning	25	0	0	0	0	0	0	0	17	*	*	*	*	*	0	0
Accidental drowning and submersion	3	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Intentional self-harm (suicide)	32	*	0	*	0	*	0	0	17	*	*	*	0	*	*	*
By other means	19	*	0	*	0	*	0	0	8	*	*	0	0	*	*	0
By discharge of firearms	13	0	0	0	0	0	0	0	9	*	0	*	0	0	0	*
Assault (homicide)	31	*	0	0	0	0	0	0	18	0	*	8	0	0	*	*
By discharge of firearms	28	*	0	0	0	0	0	0	16	0	*	8	0	0	*	*
By other means	3	0	0	0	0	0	0	0	*	0	*	0	0	0	0	0
Malignant neoplasms	14	0	0	0	0	0	0	0	10	0	0	*	*	0	0	0
Leukemia	5	0	0	0	0	0	0	0	*	0	0	*	*	0	0	0
Events of undetermined intent	11	*	0	0	0	0	0	0	7	0	0	*	*	0	*	0
Diseases of the heart	3	0	0	0	0	0	0	0	*	0	0	*	*	0	0	0
Total, all causes	214	8	*	*	*	*	*	0	120	7	12	29	12	*	7	8

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

TABLE 5E-27
RATES[a] FOR THE LEADING CAUSES OF DEATH AMONG ADOLESCENTS (15-19 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2013

Underlying cause of death	ARIZONA	County of residence														
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Accident (unintentional injury)	18.3	**	**	**	**	0.0	0.0	0.0	15.1	**	80.8	15.7	23.3	**	**	**
Motor vehicle accident	10.8	**	**	**	**	0.0	0.0	0.0	7.4	**	**	12.8	**	0.0	**	**
Accidental poisoning	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	**	**	**	**	**	0.0	0.0
Accidental drowning and submersion	0.6	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	0.0
Intentional self-harm (suicide)	6.8	**	0.0	**	0.0	**	0.0	0.0	6.0	**	**	**	0.0	**	**	**
By other means	4.0	**	0.0	**	0.0	**	0.0	0.0	2.8	**	**	0.0	0.0	**	**	0.0
By discharge of firearms	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	**	0.0	**	0.0	0.0	0.0	**
Assault (homicide)	6.6	**	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	**	11.4	0.0	0.0	**	**
By discharge of firearms	5.9	**	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	**	11.4	0.0	0.0	**	**
By other means	0.6	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 neoplasms	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	**	**	0.0	0.0	0.0
Leukemia	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	**	**	0.0	0.0	0.0
Events of undetermined intent	2.3	**	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	**	**	0.0	**	0.0
Diseases of the heart	0.6	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, all causes	45.5	130.6	**	**	**	**	**	0.0	42.0	58.8	138.5	41.3	46.5	**	56.7	47.5

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] All rates are per 100,000 adolescents 15-19 years old.

TABLE 5E-28
LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	County of residence															
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Accident (unintentional injury)	890	27	6	31	12	*	*	*	466	30	44	143	39	7	48	20	8
Accidental poisoning	462	*	*	17	6	*	0	*	242	16	26	88	20	*	22	9	*
Motor vehicle accident	288	16	*	12	*	0	*	*	153	6	14	39	16	*	7	9	*
Intentional self-harm (suicide)	445	12	13	11	7	*	*	*	243	12	10	72	26	*	25	*	*
By discharge of firearms	233	*	10	*	*	*	0	0	138	7	*	37	9	0	13	*	*
By other means	212	10	*	6	*	*	*	*	105	*	7	35	17	*	12	*	*
Malignant neoplasms	333	*	7	*	*	0	0	0	199	8	*	56	23	*	13	10	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	51	*	*	0	0	0	0	0	32	*	*	10	*	0	0	0	0
Malignant neoplasm of breast	45	0	0	0	0	0	0	0	26	*	0	6	*	0	*	*	0
Malignant neoplasm of meninges, brain and other parts of central nervous system	30	0	0	0	0	0	0	0	20	*	0	*	0	*	*	*	0
Diseases of heart	217	*	8	*	*	*	*	0	121	9	*	39	14	0	8	*	*
Assault (homicide)	215	9	*	*	*	*	0	*	123	*	8	39	9	0	*	7	0
By discharge of firearms	150	*	*	0	0	0	0	0	98	*	*	31	*	0	*	6	0
By other means	65	7	*	*	*	*	0	*	25	*	6	8	*	0	0	*	0
Chronic liver disease and cirrhosis	145	7	*	*	*	*	0	*	69	6	15	22	8	*	*	*	0
Diabetes	84	*	0	*	*	*	0	0	42	*	*	14	*	0	*	*	0
Cerebrovascular diseases	37	0	0	0	*	0	0	0	22	*	*	9	*	0	*	0	0
Obesity	36	0	0	*	*	0	0	0	23	0	*	*	*	0	0	0	0
Human immunodeficiency virus (HIV) disease	29	0	0	*	*	0	0	0	20	*	0	*	*	0	0	*	0
Total, all causes	3,115	92	45	77	40	17	*	13	1,710	95	123	495	176	14	126	70	17

Notes:* Cell suppressed due to non-zero count less than 6.

TABLE 5E-29
RATES[a] FOR THE LEADING CAUSES OF DEATH AMONG YOUNG ADULTS (20-44 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2013

Underlying cause of death	ARIZONA	County of residence														
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Accident (unintentional injury)	189.0	440.8	67.1	245.5	390.4	**	**	**	162.5	252.1	507.7	203.5	151.2	176.9	388.9	118.7
Accidental poisoning	98.1	**	**	134.6	195.2	**	0.0	**	84.4	134.4	300.0	125.2	77.5	**	178.3	53.4
Motor vehicle accident	61.2	261.2	**	95.0	**	0.0	**	**	53.2	50.4	161.5	55.5	62.0	**	56.7	53.4
Intentional self-harm (suicide)	94.5	195.9	145.4	87.1	227.7	**	**	**	85.1	100.8	115.4	102.5	100.8	**	202.6	**
By discharge of firearms	49.5	**	111.8	**	**	**	0.0	0.0	48.3	58.8	**	52.7	34.9	0.0	105.3	**
By other means	45.0	163.3	**	47.5	**	**	**	**	36.8	**	80.8	49.8	65.9	**	97.2	**
Malignant neoplasms	70.7	**	78.3	**	**	0.0	0.0	0.0	69.7	67.2	**	79.7	89.2	**	105.3	59.3
Malignant neoplasm of breast[b]	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	**	0.0	14.2	**	0.0	**	**
Malignant neoplasm of lymphoid, hematopoietic and related tissue	10.8	**	**	0.0	0.0	0.0	0.0	0.0	11.2	**	**	17.4	**	0.0	0.0	0.0
Malignant neoplasm of meninges, brain and other parts of central nervous	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	**	0.0	**	0.0	**	**	**
Diseases of heart	46.1	**	89.5	**	**	**	**	0.0	42.4	75.6	**	55.5	54.3	0.0	64.8	**
Assault (homicide)	45.7	146.9	**	**	**	**	0.0	**	43.1	**	92.3	55.5	34.9	0.0	**	41.5
By discharge of firearms	31.9	**	**	0.0	0.0	0.0	0.0	0.0	34.3	**	**	44.1	**	0.0	**	35.6
By other means	13.8	114.3	**	**	**	**	0.0	**	8.8	**	69.2	11.4	**	0.0	0.0	**
Chronic liver disease and cirrhosis	30.8	114.3	**	**	**	**	0.0	**	24.2	50.4	173.1	31.3	31.0	**	**	**
Diabetes	17.8	**	0.0	**	**	**	0.0	0.0	14.7	**	**	19.9	**	0.0	**	**
Cerebrovascular diseases	7.9	0.0	0.0	0.0	**	0.0	0.0	0.0	7.7	**	**	12.8	**	0.0	**	0.0
Obesity	7.6	0.0	0.0	**	**	0.0	0.0	0.0	8.1	0.0	**	**	**	0.0	0.0	0.0
Human immunodeficiency virus (HIV) disease	6.2	0.0	0.0	**	**	0.0	0.0	0.0	7.0	**	0.0	**	**	0.0	0.0	**
Total, all causes	661.6	1502.1	503.2	609.8	1301.2	594.2	**	1331.6	598.3	798.2	1419.2	704.4	682.2	353.7	1021.0	415.4

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] All rates are per 100,000 young adults 20-44 years old; [b] The rates for breast cancer are per 100,000 female young adults.

TABLE 5E-30
LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	County of residence															
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Malignant neoplasms	2,801	22	88	34	29	22	*	14	1,557	152	48	446	164	15	141	59	*
Malignant neoplasm of trachea, bronchus and lung	600	*	24	6	9	*	*	*	354	45	6	84	31	*	27	*	0
Malignant neoplasm of colon, rectum, and anus	289	*	11	*	0	*	0	0	157	17	6	41	26	*	11	7	*
Malignant neoplasm of breast	272	*	*	*	0	*	0	0	177	8	8	34	13	*	11	8	0
Malignant neoplasm of pancreas	208	*	6	*	*	*	*	*	114	8	*	33	13	*	9	*	0
Diseases of heart	1,683	16	51	26	19	7	*	21	839	153	19	309	88	13	68	34	17
Accident (unintentional injury)	915	19	16	32	13	9	*	*	444	39	39	177	38	*	36	19	26
Accidental poisoning	426	*	*	17	*	*	0	0	216	19	21	94	14	0	12	10	9
Motor vehicle accident	248	*	9	9	8	*	*	*	110	11	8	41	14	*	10	6	10
Falls	73	*	*	0	0	0	0	0	49	*	*	11	*	0	*	*	0
Chronic liver disease and cirrhosis	553	10	16	15	9	6	*	*	248	42	22	98	40	*	33	7	*
Diabetes	497	8	11	7	6	6	0	*	289	25	9	74	30	*	11	15	0
Intentional self-harm (suicide)	406	9	9	10	7	0	0	*	215	35	10	61	16	*	22	7	*
By discharge of firearms	224	6	7	*	*	0	0	*	112	21	6	33	8	*	13	7	0
By other means	182	*	*	*	*	0	0	0	103	14	*	28	8	0	9	0	*
Chronic lower respiratory diseases	394	*	7	*	7	*	0	*	208	29	*	57	22	*	29	11	6
Cerebrovascular diseases	272	*	12	*	6	*	0	*	148	8	7	52	15	*	8	7	*
Viral hepatitis	200	*	*	*	*	*	0	*	120	9	*	33	7	*	9	0	*
Essential (primary) hypertension and hypertensive renal disease	97	*	*	0	0	*	0	*	54	*	*	21	*	*	*	*	0
Assault (homicide)	87	*	*	*	*	*	0	0	51	*	*	11	6	0	*	0	*
By discharge of firearms	52	*	*	*	*	0	0	0	32	*	*	*	*	0	*	0	0
By other means	35	0	0	*	0	*	0	0	19	*	*	6	*	0	0	0	*
Influenza and pneumonia	81	*	*	*	0	0	0	0	28	*	*	22	*	0	7	*	*
Septicemia	73	*	6	*	0	*	0	0	22	*	*	11	8	0	6	8	*
Human immunodeficiency virus (HIV) disease	54	0	0	*	*	0	0	0	29	*	*	11	*	0	*	0	*
Nephritis, nephrotic syndrome and nephrosis	52	*	0	0	0	0	0	0	15	6	*	11	6	0	8	*	0
Total, all causes	9,898	145	266	186	130	74	10	67	5,198	577	222	1,683	533	51	463	217	76

Notes: * Cell suppressed due to non-zero count less than 6.

TABLE 5E-31
RATES[a] FOR THE LEADING CAUSES OF DEATH AMONG MIDDLE-AGED ADULTS (45-64 YEARS) BY COUNTY OF RESIDENCE, ARIZONA, 2013

Underlying cause of death	ARIZONA	County of residence														
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Malignant neoplasms	175.6	120.3	264.3	102.9	186.1	268.8	**	256.0	166.5	260.9	173.5	178.2	189.1	120.0	222.6	133.4
Malignant neoplasm of trachea, bronchus and lung	37.6	**	72.1	18.2	57.8	**	**	**	37.9	77.2	21.7	33.6	35.8	**	42.6	**
Malignant neoplasm of breast[b]	18.1	**	**	**	0.0	**	0.0	0.0	16.8	29.2	21.7	16.4	30.0	**	17.4	15.8
Malignant neoplasm of colon, rectum, and anus	33.2	**	17.5	**	0.0	**	0.0	0.0	597.1	27.0	55.9	26.2	30.4	**	33.0	34.9
Malignant neoplasm of pancreas	13.0	**	18.0	**	**	**	**	**	12.2	13.7	**	13.2	15.0	**	14.2	**
Diseases of heart	105.5	87.5	153.2	78.7	122.0	85.5	**	383.9	89.7	262.6	68.7	123.5	101.5	104.0	107.4	76.9
Accident (unintentional injury)	57.4	103.9	48.1	96.8	83.4	110.0	**	**	47.5	66.9	141.0	70.7	43.8	**	56.8	42.9
Accidental poisoning	26.7	**	**	51.4	**	**	0.0	0.0	23.1	32.6	75.9	37.6	16.1	0.0	18.9	22.6
Motor vehicle accident	15.6	**	27.0	27.2	51.3	**	**	**	11.8	18.9	28.9	16.4	16.1	**	15.8	13.6
Falls	4.6	**	**	0.0	0.0	0.0	0.0	0.0	5.2	**	**	4.4	**	0.0	**	**
Chronic liver disease and cirrhosis	34.7	54.7	48.1	45.4	57.8	73.3	**	**	26.5	72.1	79.5	39.2	46.1	**	52.1	15.8
Diabetes	31.2	43.7	33.0	21.2	38.5	73.3	0.0	**	30.9	42.9	32.5	29.6	34.6	**	17.4	33.9
Intentional self-harm (suicide)	25.5	49.2	27.0	30.3	44.9	0.0	0.0	**	23.0	60.1	36.1	24.4	18.5	**	34.7	15.8
By discharge of firearms	14.0	32.8	21.0	**	**	0.0	0.0	**	12.0	36.0	21.7	13.2	9.2	**	20.5	15.8
By other means	11.4	**	**	**	**	0.0	0.0	0.0	11.0	24.0	**	11.2	9.2	0.0	14.2	0.0
Chronic lower respiratory diseases	24.7	**	21.0	**	44.9	**	0.0	**	22.2	49.8	**	22.8	25.4	**	45.8	24.9
Cerebrovascular diseases	17.1	**	36.0	**	38.5	**	0.0	**	15.8	13.7	25.3	20.8	17.3	**	12.6	15.8
Viral hepatitis	12.5	**	**	**	**	**	0.0	**	12.8	15.4	**	13.2	8.1	**	14.2	0.0
Essential (primary) hypertension and hypertensive renal disease	6.1	**	**	0.0	0.0	**	0.0	**	5.8	**	**	8.4	**	**	**	**
Assault (homicide)	5.5	**	**	**	**	**	0.0	0.0	5.5	**	**	4.4	6.9	0.0	**	0.0
By discharge of firearms	3.3	**	**	**	**	0.0	0.0	0.0	3.4	**	**	**	**	0.0	**	0.0
By other means	2.2	0.0	0.0	**	0.0	**	0.0	0.0	2.0	**	**	2.4	**	0.0	0.0	0.0
Influenza and pneumonia	5.1	**	**	**	0.0	0.0	0.0	0.0	3.0	**	**	8.8	**	0.0	11.1	**
Septicemia	4.6	**	18.0	**	0.0	**	0.0	0.0	2.4	**	**	4.4	9.2	0.0	9.5	18.1
Human immunodeficiency virus (HIV) disease	3.4	0.0	0.0	**	**	0.0	0.0	0.0	3.1	**	**	4.4	**	0.0	**	0.0
Nephritis, nephrotic syndrome and nephrosis	3.3	**	0.0	0.0	0.0	0.0	0.0	0.0	1.6	10.3	**	4.4	6.9	0.0	12.6	**
Total, all causes	620.7	792.6	799.0	562.8	834.4	904.2	353.5	1224.9	555.9	990.3	802.4	672.6	614.7	408.0	731.0	490.5

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] All rates are per 100,000 middle-aged adults 45-64 years old; [b] The rates for breast cancer are per 100,000 middle-aged adult females.

TABLE 5E-32
LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY COUNTY OF RESIDENCE, ARIZONA, 2013

	ARIZONA	County of residence															
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Diseases of heart	8,583	65	248	88	127	38	*	55	4,522	618	124	1,538	408	50	464	227	6
Malignant neoplasms	8,015	74	189	100	114	41	8	43	4,227	518	130	1,397	435	50	469	211	9
Malignant neoplasm of trachea, bronchus and lung	2,147	12	47	24	34	10	*	15	1,139	177	36	355	113	8	114	59	*
Malignant neoplasm of lymphoid, hematopoietic and related tissue	901	10	18	19	13	*	*	*	465	62	16	145	56	8	53	32	0
Malignant neoplasm of colon, rectum, and anus	660	6	22	7	10	*	0	*	351	46	8	114	30	*	45	11	*
Malignant neoplasm of pancreas	540	8	11	*	*	6	0	*	288	30	7	86	46	*	34	11	0
Malignant neoplasm of prostate	526	10	13	9	6	*	*	*	250	38	12	98	22	*	43	10	*
Malignant neoplasm of breast	519	0	7	12	9	*	*	*	288	24	7	94	20	6	27	15	0
Chronic lower respiratory diseases	2,868	12	70	27	54	15	*	15	1,526	218	32	463	158	7	190	76	*
Alzheimer's disease	2,353	8	31	18	25	*	*	0	1,538	42	19	468	84	16	77	22	*
Cerebrovascular diseases	1,736	21	59	14	23	7	*	8	951	46	34	332	73	16	105	42	*
Diabetes	1,162	18	32	14	16	8	*	*	602	44	38	190	57	10	40	89	*
Accident (unintentional injury)	1,146	17	25	25	17	6	0	*	618	36	15	210	41	*	98	27	*
Falls	767	*	16	11	7	*	0	*	448	20	*	142	26	*	72	13	0
Motor vehicle accident	134	*	*	6	*	0	0	*	72	*	*	17	6	0	8	*	*
Influenza and pneumonia	608	11	25	9	9	*	*	*	278	27	15	101	35	8	42	39	*
Essential (primary) hypertension	601	*	12	*	*	*	0	0	380	18	11	105	24	*	18	12	0
Parkinson's disease	561	*	16	*	6	*	0	*	310	16	9	108	23	*	49	10	0
Nephritis, nephrotic syndrome and nephrosis	328	*	18	11	10	*	0	*	117	35	8	44	28	*	37	9	0
Septicemia	263	*	12	*	*	0	0	0	110	10	7	55	13	6	22	19	0
Total, all causes	35,983	343	936	417	516	176	28	165	19,456	1,995	602	6,290	1,695	215	2,112	1,001	36

Notes: * Cell suppressed due to non-zero count less than 6.

TABLE 5E-33
RATES[a] FOR THE LEADING CAUSES OF DEATH AMONG ELDERLY (65 YEARS AND OLDER) BY COUNTY OF RESIDENCE, ARIZONA, 2013

Underlying cause of death	ARIZONA	County of residence														
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Diseases of heart	874.8	696.4	1024.1	637.2	938.5	829.5	**	746.7	873.5	1207.9	775.6	929.5	685.4	692.8	826.5	674.2
Malignant neoplasms	816.9	792.8	780.4	724.1	842.4	895.0	568.9	583.8	816.5	1012.5	813.2	844.3	730.7	692.8	835.4	626.6
Malignant neoplasm of trachea, bronchus and lung	218.8	128.6	194.1	173.8	251.2	218.3	**	203.6	220.0	346.0	225.2	214.6	189.8	110.8	203.1	175.2
Malignant neoplasm of lymphoid, hematopoietic and related tissue	91.8	107.1	74.3	137.6	96.1	**	**	**	89.8	121.2	100.1	87.6	94.1	110.8	94.4	95.0
Malignant neoplasm of colon, rectum, and anus	67.3	64.3	90.8	50.7	73.9	**	0.0	**	67.8	89.9	50.0	68.9	50.4	**	80.2	32.7
Malignant neoplasm of pancreas	55.0	85.7	45.4	**	**	131.0	0.0	**	55.6	58.6	43.8	52.0	77.3	**	60.6	32.7
Malignant neoplasm of prostate[b]	117.4	232.1	112.9	139.1	93.2	**	**	**	108.2	150.7	159.5	132.0	77.0	**	161.9	62.2
Malignant neoplasm of breast[c]	97.3	0.0	55.1	163.4	126.8	**	**	**	100.5	92.5	82.7	103.1	64.6	152.7	91.3	85.2
Chronic lower respiratory diseases	292.3	128.6	289.0	195.5	399.0	327.4	**	203.6	294.8	426.1	200.2	279.8	265.4	97.0	338.4	225.7
Alzheimer's disease	239.8	85.7	128.0	130.3	184.7	**	**	0.0	297.1	82.1	118.8	282.8	141.1	221.7	137.2	65.3
Cerebrovascular diseases	176.9	225.0	243.6	101.4	170.0	152.8	**	108.6	183.7	89.9	212.7	200.7	122.6	221.7	187.0	124.7
Diabetes	118.4	192.8	132.1	101.4	118.2	174.6	**	**	116.3	86.0	237.7	114.8	95.7	138.6	71.2	264.3
Accident (unintentional injury)	116.8	182.1	103.2	181.0	125.6	131.0	0.0	**	119.4	70.4	93.8	126.9	68.9	**	174.6	80.2
Falls	78.2	**	66.1	79.7	51.7	**	0.0	**	86.5	39.1	**	85.8	43.7	**	128.2	38.6
Motor vehicle accident	13.7	**	**	43.4	**	0.0	0.0	**	13.9	**	**	10.3	10.1	0.0	14.2	**
Influenza and pneumonia	62.0	117.8	103.2	65.2	66.5	**	**	**	53.7	52.8	93.8	61.0	58.8	110.8	74.8	115.8
Essential (primary) hypertension	61.3	**	49.6	**	**	**	0.0	0.0	73.4	35.2	68.8	63.5	40.3	**	32.1	35.6
Parkinson's disease	57.2	**	66.1	**	44.3	**	0.0	**	59.9	31.3	56.3	65.3	38.6	**	87.3	29.7
Nephritis, nephrotic syndrome and nephrosis	33.4	**	74.3	79.7	73.9	**	0.0	**	22.6	68.4	50.0	26.6	47.0	**	65.9	26.7
Septicemia	26.8	**	49.6	**	**	0.0	0.0	0.0	21.2	19.5	43.8	33.2	21.8	83.1	39.2	56.4
Total, all causes	3667.5	3674.7	3865.0	3019.5	3812.9	3841.8	1991.1	2240.1	3758.1	3899.3	3765.6	3801.5	2847.2	2978.9	3762.0	2972.9

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a] All rates are per 100,000 elderly 65 years and older; [b] The rates for prostate cancer are per 100,000 males; [c] The rates for breast cancer are per 100,000 females.

5F

Reportable Diseases

TABLE 5F-1
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2013

Disease	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Vaccine Preventable																
Measles	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0
Mumps	0†	0	0	0	0	0	0	0	0	0	0	*	0	0	0	0
Pertussis	1,440†	13	10	20	*	8	*	0	444	744	14	105	19	*	47	11
Pertussis confirmed cases	1,070†	*	*	6	*	0	0	0	264	700	*	57	10	*	7	9
Rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Congenital Rubella Syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haemophilus influenzae type b (invasive, age < 5 years)	0†	0	0	0	0	0	0	0	*	*	*	0	0	0	0	0
Central Nervous System																
Aseptic Meningitis	340†	*	0	*	*	0	0	0	292	*	0	25	15	0	0	*
Meningococcal Disease	10†	0	0	0	0	*	0	0	*	0	*	*	*	0	*	*
Viral Encephalitis	0†	0	0	0	0	0	0	0	*	0	0	0	*	0	0	0
Enteritides																
Amebiasis	20†	0	0	*	*	0	0	0	7	0	0	6	*	0	0	*
Campylobacteriosis	850†	35	15	22	11	*	*	*	504	*	27	112	34	17	29	27
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cryptosporidiosis	40†	0	*	*	0	0	0	*	24	*	0	*	*	0	*	0
E. coli O157:H7	250†	*	*	*	0	*	0	0	187	*	*	24	9	7	*	0
Giardiasis	120†	0	*	10	*	*	0	0	59	*	*	16	9	0	*	*
Salmonellosis (except *S.* Typhi and *S.* Paratyphi)	1,010†	25	29	19	*	16	*	*	487	37	37	195	82	15	38	17
Salmonella Paratyphi A	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Salmonella Paratyphi B	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Salmonella Paratyphi C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	430†	*	6	*	12	*	0	*	255	*	26	61	32	7	*	16
Typhoid Fever	10†	0	0	0	0	0	0	0	9	0	0	0	*	0	0	0
Mycosis																
Coccidioidomycosis (Valley Fever)	5,860†	14	61	21	39	17	*	13	4,115	60	36	992	403	19	45	25
Hepatitides																
Hepatitis A	70†	0	*	0	0	*	0	0	46	*	*	11	*	*	*	0
Hepatitis B (acute)	50†	0	0	*	0	0	0	0	34	*	*	*	6	0	*	*
Hepatitis B, Perinatal	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Hepatitis C (acute)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hepatitis D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis																
Pulmonary TB	170†	6	*	*	0	0	0	0	81	*	*	22	31	0	0	19
Total TB	180†	6	*	6	0	0	0	0	89	*	*	24	32	0	0	22

TABLE 5F-1 (continued)
NUMBER OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2013

Disease	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Sexually Transmitted (Arizona total within disease category includes unknown county frequency counts.)																
Gonorrhea	6,510†	76	49	139	33	11	*	8	4,726	80	182	802	270	13	33	79
Gonococcal PID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Resistant Gonorrhea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis (primary and secondary)	290†	*	*	*	0	*	0	0	213	*	0	55	7	0	0	*
Syphilis-Total	970†	12	14	7	*	*	0	*	675	10	7	170	37	*	6	22
Chlamydia	30,923	626	444	906	262	132	26	61	19,153	529	934	5,259	1,239	137	341	874
Zoonoses/Vectorborne																
Brucellosis	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Colorado Tick Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dengue	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Ehrlichiosis	0†	0	0	0	0	0	0	0	0	0	0	0	*	*	0	0
Hantavirus Pulmonary Syndrome	10†	*	0	*	0	*	0	0	0	0	0	0	0	0	0	0
Human Rabies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lyme Disease	30†	*	0	*	0	0	0	*	16	*	*	7	*	*	0	0
Malaria	30†	0	0	0	0	*	0	0	22	*	0	*	*	0	0	0
Plague	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Relapsing Fever, Tickborne	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Rocky Mtn. Spotted Fever	60†	*	0	*	15	0	0	0	*	0	8	34	*	0	0	0
St. Louis Encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tularemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West Nile Virus	60†	*	0	0	*	0	*	*	52	0	*	*	*	0	*	0
Other																
Botulism	0†	0	0	0	0	0	0	0	0	*	0	*	0	0	0	0
Legionellosis	70†	*	*	*	*	0	0	*	35	*	*	15	*	*	*	0
Listeriosis	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	*	0
Methicillin Resistant *S. aureus* (invasive)	1,070†	10	11	8	14	*	0	7	694	36	10	164	66	*	8	29
Streptococcal Group A (Invasive)	230†	12	0	*	*	*	*	0	122	6	10	50	15	0	6	*
Streptococcal Group B (Invasive disease in infants<90 days old)	40†	0	*	0	*	0	0	0	25	*	0	*	0	0	0	*
Streptococcus pneumoniae (invasive)	790†	31	20	16	*	*	0	0	445	44	29	107	36	*	27	20
Reyes Syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Toxic Shock Syndrome	0†	0	0	0	0	0	0	0	*	0	0	0	0	0	0	0
Vibrio spp. (except toxogenic *V. cholerae*)	20†	0	0	*	0	0	0	0	13	0	0	*	0	*	0	*
Yersiniosis (except *Y. pestis)*	10†	0	0	0	0	0	0	0	8	0	0	0	0	*	0	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Non-resident cases have been excluded. Only incident cases are reported. Cases with unknown county of residence are included in the Arizona total. Cases are counted by date reported to public health. Case counts include both probable and confirmed cases unless otherwise indicated. E. coli has included both E. coli O157:H7 and Shiga-toxin positive E. colis since October 2004. Haemophilus influenzae type B includes all invasive H. influenzae type B, not just meningitis, as of 1995. Meningococcal includes all invasive disease caused by Neisseria meningitidis, not just meningitis. Animal Rabies cases are not included. Hepatitis E has been reported separately from Hepatitis non-A non-B beginning in 1998. In mid-2009, a large laboratory changed its reporting practicies for coccidioidomycosis; reported coccidioidomycosis has been elevated since then; Table includes all positive laboratory results for chlamydia and gonorrhea with or without disease report in 2013.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of Infectious Disease Services, Office of HIV, HEP C, STD Services.

TABLE 5F-2
RATES OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2013

Disease	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Vaccine Preventable																
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	0.0	0.0
Mumps	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	0.0	0.0
Pertussis	21.9	18.0	7.6	14.7	**	21.1	**	0.0	11.3	365.4	12.9	10.5	4.8	**	22.0	5.3
Pertussis (confirmed only)	16.2	**	**	4.4	**	0.0	0.0	0.0	6.7	343.8	**	5.7	2.5	**	3.3	4.3
Rubella	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	0.0	0.0	0.0
Congenital Rubella 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	0.0	0.0	0.0
Haemophilus influenzae b (invasive disease in children < 5 years old)	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	**	**	0.0	0.0	0.0	0.0	0.0
Central Nervous System																
Aseptic Meningitis	5.2	**	0.0	**	**	0.0	0.0	0.0	7.4	**	0.0	2.5	3.8	0.0	0.0	**
Meningococcal Disease	0.2	0.0	0.0	0.0	0.0	**	0.0	0.0	**	0.0	**	**	**	0.0	**	**
Viral Encephalitis - Total	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	0.0
Enteritides																
Amebiasis	0.3	0.0	0.0	**	**	0.0	0.0	0.0	0.2	0.0	0.0	0.6	**	0.0	0.0	**
Campylobacteriosis	12.9	48.5	11.5	16.2	39.1	**	**	**	12.8	**	24.8	11.2	8.6	34.5	13.6	12.9
Cholera	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	0.0	0.0	0.0
Cryptosporidiosis	0.6	0.0	**	**	0.0	0.0	0.0	**	0.6	**	0.0	**	**	0.0	**	0.0
E. coli O157:H7	3.7	**	**	**	0.0	**	0.0	0.0	4.7	**	**	2.4	2.3	14.2	**	0.0
Giardiasis	1.7	0.0	**	7.4	**	**	0.0	0.0	1.5	**	**	1.6	2.3	0.0	**	**
Salmonellosis (except *S.* Typhi and *S.* Paratyphi)	15.3	34.6	22.2	14.0	**	42.2	**	**	12.3	18.2	34.0	19.6	20.8	30.5	17.8	8.1
Salmonella Paratyphi A	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	0.0	0.0
Salmonella Paratyphi B	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	0.0	0.0
Salmonella Paratyphi C	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	0.0	0.0	0.0
Shigellosis	6.5	**	4.6	**	22.4	**	0.0	**	6.5	**	23.9	6.1	8.1	14.2	**	7.6
Typhoid Fever	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	**	0.0	0.0	0.0
Mycosis																
Coccidioidomycosis (Valley Fever)	89.1	19.4	46.6	15.5	72.7	44.9	**	62.0	104.3	29.5	33.1	99.6	102.3	38.6	21.1	11.9
Hepatitides																
Hepatitis A	1.1	0.0	**	0.0	0.0	**	0.0	0.0	1.2	**	**	1.1	**	**	**	0.0
Hepatitis B (acute)	0.8	0.0	0.0	**	0.0	0.0	0.0	0.0	0.9	**	**	**	1.5	0.0	**	**
Hepatitis B, Perinatal	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	0.0	0.0
Hepatitis C (acute)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hepatitis D	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	0.0	0.0	0.0
Hepatitis E	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	0.0	0.0	0.0
Tuberculosis																
Pulmonary TB	2.6	8.3	**	**	0.0	0.0	0.0	0.0	2.1	**	**	2.2	7.9	0.0	0.0	9.1
Total TB	2.8	8.3	**	4.4	0.0	0.0	0.0	0.0	2.3	**	**	2.4	8.1	0.0	0.0	10.5

TABLE 5F-2 (continued)
RATES OF REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY CATEGORY FOR EACH COUNTY, ARIZONA, 2013

Disease	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Sexually Transmitted[a]																
Gonorrhea	98.2	105.7	37.8	101.8	62.2	29.3	**	39.4	117.9	39.4	169.6	80.5	69.3	27.8	15.3	39.3
Gonococcal PID	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	0.0	0.0	0.0
Resistant Gonorrhea	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	0.0	0.0	0.0
Syphilis (primary and secondary)	4.4	**	**	**	0.0	**	0.0	0.0	5.3	**	0.0	5.5	1.8	0.0	0.0	**
Syphilis-Total	14.6	16.7	10.8	5.1	**	**	0.0	**	16.8	4.9	6.5	17.1	9.5	**	2.8	10.9
Chlamydia	466.6	870.2	342.9	663.5	493.8	352.2	287.3	300.1	477.7	260.6	870.3	527.7	318.2	292.9	158.5	434.4
Zoonoses/Vectorborne																
Brucellosis	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	0.0	0.0
Colorado Tick Fever	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	0.0	0.0	0.0
Dengue	0.1	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	0.0
Ehrlichiosis	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	0.0
Hantavirus Pulmonary Syndrome	0.1	**	0.0	**	0.0	**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Human Rabies	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	0.0	0.0	0.0
Lyme Disease	0.5	**	0.0	**	0.0	0.0	0.0	**	0.4	**	**	0.7	**	**	0.0	0.0
Malaria	0.5	0.0	0.0	0.0	0.0	**	0.0	0.0	0.6	**	0.0	**	**	0.0	0.0	0.0
Plague	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	0.0	0.0	0.0
Relapsing Fever, Tickborne	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	0.0	0.0
Rocky Mtn. Spotted Fever	1.0	**	0.0	**	27.9	0.0	0.0	0.0	**	0.0	7.4	3.4	**	0.0	0.0	0.0
St. Louis Encephalitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tularemia	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	0.0	0.0	0.0
West Nile Virus	0.9	**	0.0	0.0	**	0.0	**	**	1.3	0.0	**	**	**	0.0	**	0.0
Other																
Botulism	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	0.0
Legionellosis	1.0	**	**	**	**	0.0	0.0	**	0.9	**	**	1.5	**	**	**	0.0
Listeriosis	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	**	0.0
Methicillin Resistant *S. aureus* (invasive)	16.2	13.9	8.4	5.9	26.1	**	0.0	33.4	17.6	17.7	9.2	16.5	16.8	**	3.8	13.9
Streptococcal Group A (Invasive)	3.5	16.6	0.0	**	**	**	**	0.0	3.1	2.9	9.2	5.0	3.8	0.0	2.8	**
Streptococcal Group B (Invasive disease in infants<90 days old)	0.4	0.0	**	0.0	**	0.0	0.0	0.0	0.5	**	0.0	**	0.0	0.0	0.0	**
Streptococcus pneumoniae (invasive)	11.9	42.9	15.3	11.8	**	**	0.0	0.0	11.3	21.6	26.7	10.7	9.1	**	12.7	9.6
Reyes 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	0.0	0.0	0.0
Toxic Shock 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	0.0	0.0
Vibrio spp. (except toxogenic *V. cholerae*)	0.3	0.0	0.0	**	0.0	0.0	0.0	0.0	0.3	0.0	0.0	**	0.0	**	0.0	**
Yersiniosis (except *Y. pestis)*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	**	0.0	0.0

Notes: ** Cell suppressed due to rate/ratio/percent based on non-zero count less than 6; [a]STD rates calculated using 2013 denominators taken from the CDC. These rates will be updated late November 2013 using the 2012 denominators, until then interpret with caution; Non-resident cases have been excluded. Cases with unknown county of residence are included in the Arizona total. Table includes all positive laboratory results for chlamydia and gonorrhea with or without disease report in 2012. Only incident cases are reported. Cases are counted by date reported to public health. Case counts include both probable and confirmed cases unless otherwise indicated. E. coli has included both E. coli O157:H7 and Shiga-toxin positive E. colis since October 2004. Haemophilus influenzae type B includes all invasive H. influenzae type B, not just meningitis, as of 1995. Meningococcal includes all invasive disease caused by Neisseria meningitidis, not just meningitis. Animal Rabies cases are not included. Hepatitis E has been reported separately from Hepatitis non-A non-B beginning in 1998. In mid-2009, a large laboratory changed its reporting practicies for coccidioidomycosis; reported coccidioidomycosis has been elevated since then. Rates calculated for Streptococcus Group B (invasive disease in infants <90 days old) represent the number of cases per 1000 live births; all other morbidities are per 100,000 Arizona residents in appropriate county.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of Infectious Disease Services, Office of HIV, HEP C, STD Services, Infectious Disease Epidemiology Section, Tuberculosis Elimination Section, Vector-Borne/Zoonotic Disease Section and Office of Disease Integration And Services

TABLE 5F-3
REPORTED NEW HIV/AIDS CASES BY YEAR OF DIAGNOSIS AND COUNTY OF RESIDENCE IN ARIZONA, 1981-2002 AND 2003-2013

County	1981-2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Apache	32	9	*	*	*	*	*	9	*	8	10	9
Cochise	147	7	*	10	11	17	*	6	*	10	6	8
Coconino	127	13	*	13	7	8	6	*	11	*	*	14
Gila	30	*	*	*	0	*	*	*	*	*	0	*
Graham	37	*	*	*	*	*	0	*	*	*	0	0
Greenlee	*	0	0	0	0	0	0	0	*	0	0	0
La Paz	30	0	*	*	0	0	0	*	*	*	0	*
Maricopa	9,520	505	534	524	538	548	512	458	426	411	489	491
Mohave	178	*	6	9	9	12	11	10	19	10	*	13
Navajo	60	7	6	10	*	7	6	7	*	10	6	13
Pima	2,461	89	96	108	104	93	79	87	95	60	76	112
Pinal	281	39	37	41	44	62	50	48	38	35	19	44
Santa Cruz	36	*	*	0	*	*	0	*	0	*	*	*
Yavapai	166	8	11	9	*	10	9	7	*	*	6	9
Yuma	166	12	7	14	9	11	12	15	16	10	12	11
Missing	*	0	0	0	0	0	0	*	0	0	0	0
ARIZONA	13,280†	700†	720†	750†	740†	780†	700†	660†	630†	570†	640†	730†

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; Due to reporting delays, all numbers are provisional; State annual totals may include case reports of persons with no reported county of residence.

Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/AIDS Services.

5G

Marriages and Marriage Dissolutions

TABLE 5G-1
MARRIAGES BY COUNTY OF OCCURRENCE[a], ARIZONA, 2003-2013

County	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	35,908	37,882	38,308	38,983	39,495	38,030	35,338	38,076	36,713	37,064	35,791
Apache	281	282	303	317	325	252	239	219	229	203	159
Cochise	920	949	991	971	967	836	963	956	859	709	736
Coconino	1,009	1,060	1,070	1,002	1,026	985	994	915	879	983	841
Gila	377	327	360	339	358	344	286	317	289	288	304
Graham	329	273	272	291	331	314	313	286	211	304	298
Greenlee	41	89	39	32	25	60	46	33	51	51	61
La Paz	151	163	144	174	147	174	76	135	117	120	112
Maricopa	20,976	22,731	23,361	23,379	23,964	23,183	21,347	23,127	22,748	23,552	22,519
Mohave	1,835	1,687	1,619	1,676	1,524	1,364	1,186	1,304	1,242	1,309	1,210
Navajo	425	410	428	519	517	491	523	579	464	492	492
Pima	5,604	5,831	5,210	5,786	5,705	5,620	5,392	5,972	5,591	5,291	5,419
Pinal	861	962	1,089	1,279	1,365	1,381	1,277	1,373	1,318	1,216	1,213
Santa Cruz	285	263	313	296	324	253	201	314	207	161	139
Yavapai	1,357	1,344	1,567	1,466	1,463	1,341	1,144	1,237	1,263	1,284	1,129
Yuma	1,457	1,511	1,542	1,456	1,454	1,432	1,351	1,309	1,245	1,101	1,159

Note: [a] Marriages recorded unless otherwise indicated.

TABLE 5G-2
MARRIAGE RATES[a] BY COUNTY OF OCCURRENCE, ARIZONA, 2003-2013

County	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	6.4	6.5	6.3	6.2	6.1	5.8	5.4	6.0	5.7	5.7	5.4
Apache	4.0	4.0	4.1	4.2	4.3	3.3	3.1	3.1	3.2	2.8	2.2
Cochise	7.3	7.3	7.5	7.2	7.0	6.0	6.8	7.3	6.6	5.4	5.6
Coconino	7.8	8.2	8.2	7.5	7.6	7.3	7.2	6.8	6.6	7.3	6.2
Gila	7.0	6.0	6.6	6.2	6.4	6.0	4.8	5.9	5.4	5.4	5.7
Graham	9.5	7.6	7.7	8.1	9.1	8.1	7.9	7.7	5.6	8.1	7.9
Greenlee	4.8	10.7	4.7	3.9	3.0	6.7	5.3	3.9	6.1	5.9	5.6
La Paz	7.3	7.7	6.8	8.1	6.7	8.1	3.5	6.6	5.6	5.7	5.3
Maricopa	6.2	6.5	6.4	6.2	6.2	5.9	5.4	6.1	5.9	6.1	5.7
Mohave	10.7	9.4	8.6	8.6	7.6	6.7	5.8	6.5	6.2	6.4	5.9
Navajo	4.1	3.8	3.9	4.6	4.5	4.3	4.5	5.4	4.3	4.6	4.5
Pima	6.2	6.3	5.4	5.9	5.7	5.5	5.3	6.1	5.7	5.3	5.4
Pinal	4.3	4.4	4.4	4.7	4.7	4.3	3.9	3.7	3.4	3.1	3.1
Santa Cruz	7.0	6.3	7.1	6.5	7.0	5.3	4.2	6.6	4.3	3.3	2.8
Yavapai	7.3	6.8	7.6	6.9	6.6	6.0	5.0	5.9	6.0	6.1	5.3
Yuma	8.3	8.3	8.1	7.4	7.2	7.0	6.6	6.7	6.2	5.4	5.5

Note: [a] Per 1,000 population.

TABLE 5G-3
MARRIAGES BY COUNTY OF OCCURRENCE[a] BY MONTH, ARIZONA, 2013

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
ARIZONA	2,540†	2,450†	3,535	3,480	3,557	2,782	2,680†	2,070†	2,480†	3,900†	3,468	2,860†	35,791
Apache	9	7	14	14	9	17	24	16	15	15	13	6	159
Cochise	64	48	72	66	63	68	91	48	37	83	46	50	736
Coconino	53	47	47	51	82	93	105	78	80	103	51	51	841
Gila	26	23	19	29	28	30	22	22	24	34	22	25	304
Graham	24	42	24	12	26	45	*	23	36	14	23	26	300†
Greenlee	*	*	6	6	6	6	*	8	*	*	7	*	60†
La Paz	8	8	12	10	14	10	7	*	*	6	13	14	110†
Maricopa	1,646	1,563	2,322	2,351	2,284	1,684	1,560	1,207	1,421	2,413	2,262	1,806	22,519
Mohave	96	54	110	115	115	115	107	75	90	137	120	76	1,210
Navajo	0	47	34	26	36	45	88	51	30	64	34	37	492
Pima	361	351	521	451	601	364	381	357	422	639	556	415	5,419
Pinal	78	102	141	146	100	78	73	71	88	113	113	110	1,213
Santa Cruz	8	11	18	14	6	8	6	12	19	11	10	16	139
Yavapai	72	43	79	79	78	129	115	44	139	159	92	100	1,129
Yuma	89	97	116	110	109	90	91	57	69	105	106	120	1,159

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Marriages recorded unless otherwise indicated.

TABLE 5G-4
DISSOLUTIONS[a] OF MARRIAGE BY COUNTY OF OCCURRENCE, ARIZONA, 2003-2013

County	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	24,269	24,403	24,910	24,274	24,515	24,106	23,140	22,479	25,438	28,072	26,037
Apache	82	61	81	90	70	60	45	72	69	57	77
Cochise	584	623	639	534	490	531	566	645	589	580	419
Coconino	342	410	366	325	268	242	260	527	392	419	382
Gila	199	200	212	202	184	196	188	208	159	172	133
Graham	139	140	208	150	152	157	167	191	134	185	156
Greenlee	46	46	40	51	50	52	54	45	39	43	45
La Paz	62	50	78	61	85	45	9	43	37	31	12
Maricopa	15,371	15,878	15,805	15,771	15,859	15,263	14,088	13,215	16,108	19,047	17,922
Mohave	850	744	876	824	851	812	715	519	653	616	409
Navajo	253	295	345	309	310	315	303	163	243	245	211
Pima	3,965	3,857	3,911	3,647	3,854	3,910	3,949	3,988	4,175	3,917	3,777
Pinal	708	589	632	651	822	888	1,051	1,103	1,102	848	617
Santa Cruz	141	139	130	158	135	139	118	132	110	84	97
Yavapai	788	909	999	810	742	826	903	905	901	1,027	786
Yuma	739	462	588	691	643	670	724	723	727	801	994

Note: [a] Divorces and annulments granted.

TABLE 5G-5
DISSOLUTIONS OF MARRIAGE RATES[a] BY COUNTY OF OCCURRENCE, ARIZONA, 2003-2013

County	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
ARIZONA	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.5	4.0	4.3	4.0
Apache	1.2	0.9	1.1	1.2	0.9	0.8	0.6	1.0	1.0	0.8	1.1
Cochise	4.6	4.8	4.8	4.0	3.6	3.8	4.0	4.9	4.5	4.4	3.2
Coconino	2.7	3.2	2.8	2.4	2.0	1.8	1.9	3.9	2.9	3.1	2.8
Gila	3.7	3.7	3.9	3.7	3.3	3.4	3.2	3.9	3.0	3.2	2.5
Graham	4.0	3.9	5.9	4.2	4.2	4.1	4.2	5.1	3.6	5.0	4.1
Greenlee	5.4	5.5	4.8	6.2	6.1	5.8	6.2	5.3	4.7	5.0	4.1
La Paz	3.0	2.4	3.7	2.8	3.9	2.1	0.4	2.1	1.8	1.5	0.6
Maricopa	4.5	4.5	4.3	4.2	4.1	3.9	3.6	3.5	4.2	4.9	4.5
Mohave	5.0	4.1	4.7	4.2	4.2	4.0	3.5	2.6	3.3	3.0	2.0
Navajo	2.4	2.7	3.1	2.7	2.7	2.7	2.6	1.5	2.3	2.3	1.9
Pima	4.4	4.1	4.1	3.7	3.8	3.9	3.9	4.1	4.2	4.0	3.8
Pinal	3.5	2.7	2.6	2.4	2.8	2.8	3.2	2.9	2.9	2.2	1.6
Santa Cruz	3.4	3.3	3.0	3.5	2.9	2.9	2.5	2.8	2.3	1.7	2.0
Yavapai	4.2	4.6	4.9	3.8	3.4	3.7	4.0	4.3	4.3	4.9	3.7
Yuma	4.2	2.5	3.1	3.5	3.2	3.3	3.5	3.7	3.6	3.9	4.7

Note: [a] Per 1,000 population.

TABLE 5G-6
DISSOLUTIONS[a] OF MARRIAGE BY COUNTY OF OCCURRENCE BY MONTH, ARIZONA, 2013

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
ARIZONA	2,300†	2,050†	2,120†	2,280†	2,270†	2,060†	2,090†	2,330†	2,050†	2,460†	2,000†	2,020†	26,037
Apache	*	6	*	7	*	11	14	*	7	9	*	*	80†
Cochise	52	31	42	44	33	26	35	41	37	30	24	24	419
Coconino	16	30	40	30	38	40	32	37	25	33	24	37	382
Gila	8	10	10	11	8	11	7	19	7	7	20	15	133
Graham	10	16	13	16	11	15	10	18	10	8	14	15	156
Greenlee	*	*	*	*	9	*	*	*	*	*	7	*	50†
La Paz	*	*	*	*	*	*	*	0	0	0	*	0	10†
Maricopa	1,659	1,400	1,484	1,521	1,564	1,409	1,381	1,583	1,430	1,689	1,414	1,388	17,922
Mohave	54	28	42	35	36	27	35	24	30	32	27	39	409
Navajo	24	17	22	14	27	19	15	16	21	22	*	12	210†
Pima	342	260	244	340	331	321	341	372	285	370	267	304	3,777
Pinal	31	46	38	64	45	63	60	45	74	64	54	33	617
Santa Cruz	8	*	9	9	11	*	*	10	9	12	12	*	100†
Yavapai	50	71	56	60	71	52	64	80	67	83	65	67	786
Yuma	40	130	109	126	83	55	86	75	48	101	67	74	994

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Divorces and annulments granted.

CHAPTER 6

INDICATORS FOR ASSESSING HEALTH STATUS AND MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE 2020 OBJECTIVES:

STATEWIDE TRENDS AND 2013 COUNTY PROFILES

6A. STATEWIDE TRENDS

6B. 2013 COUNTY PROFILES

6A

STATEWIDE TRENDS

TABLE 6A
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE 2020 OBJECTIVES: STATEWIDE TRENDS

Focus areas and selected objectives: (in parentheses are *Healthy People 2020* objective numbers)	Baseline for the U.S./AZ	ARIZONA RATES, RATIOS OR CASES BY YEAR:										U.S./AZ 2020 TARGET
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
6A-1. MATERNAL, INFANT, AND CHILD HEALTH												
Reduce fetal deaths at 20 or more weeks of gestation (HP-MICH-1.1)	6.2	5.5	5.5	6.4								5.6
Reduce fetal and infant deaths during perinatal period (HP-MICH-1.2)	6.6	5.4	5.7	5.7								5.9
Reduce infant deaths (HP-MICH-1.3)	6.7	5.9	5.8	5.3								6.0
Reduce neonatal deaths (HP-MICH-1.4)	4.5	3.9	3.9	3.4								4.1
Reduce postneonatal deaths (HP-MICH-1.5)	2.2	2.0	1.9	1.9								2.0
Reduce infant deaths due to birth defects (HP-MICH-1.6)	1.4	1.3	1.4	1.2								1.3
Reduce deaths from sudden infant death syndrome (SIDS) (HP-MICH-1.8)	0.55	0.3	0.1	0.2								0.50
Reduce the rate of death among children aged 1 to 4 years (HP-MICH-3.1)	28.6	28.6	33.1	37.3								25.7
Reduce the rate of death among children aged 5 to 9 years (HP-MICH-3.2)	13.7	10.7	12.8	10.1								12.3
Reduce the rate of death among children aged 10 to 14 years (HP-MICH-4.1)	16.9	15.3	15.4	16.1								15.2
Reduce the rate of death among adolescents aged 15 to 19 years (HP-MICH-4.2)	61.9	49.7	47.1	45.5								55.7
Reduce the rate of death among young adults aged 20 to 24 years (HP-MICH-4.3)	98.3	98.7	93.9	96.2								88.5
Reduce maternal deaths (HP-MICH-5)	12.7	**	21.0	10.6								11.4
Increase the proportion of pregnant women who receive prenatal care in the first trimester (HP-MICH-10.1)	70.8%	81.7%	82.6%	81.3%								77.9%
Reduce low birth weight (LBW) (HP-MICH-8.1)	8.2%	7.0%	6.9%	6.9%								7.8%
Reduce very low birth weight (VLBW) (HP-MICH-8.2)	1.5%	1.2%	1.2%	1.1%								1.4%
Reduce preterm births (HP-MICH-9.1)	12.7%	9.3%	9.2%	9.0%								11.4%
Increase abstinence from cigarette smoking among pregnant women (HP-MICH-11.3)	89.6%	95.7%	95.8%	95.6%								98.6%

Notes: Fetal and perinatal death rates were revised in order to include only spontaneous fetal losses and exclude induced terminations of pregnancy. The fetal death rate is per 1,000 live births plus spontaneous fetal losses of 20 or more weeks of gestation. The perinatal death rate is per 1,000 live births plus spontaneous fetal losses of 28 or more weeks of gestation (Perinatal period = 28 weeks of gestation to 7 days after birth). Infant, neonatal, and postneonatal deaths are per 1,000 live births. Infant deaths due to birth defects, congenital birth defects, and SIDS are per 1,000 live births. All age-specific mortality rates are per 100,000 persons. The maternal mortality ratio is per 100,000 live births. All other proportions and ratios are per 100 live births. Preterm births = births prior to 37 completed weeks of gestation.

▪ These rates are based on fewer than 10 cases and are not statistically reliable.

TABLE 6A (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE 2020 OBJECTIVES: STATEWIDE TRENDS

Focus areas and selected objectives: (in parentheses are *Healthy People 2020* objective numbers)	Baseline for the U.S./AZ	ARIZONA RATES, RATIOS OR CASES BY YEAR:										U.S./AZ 2020 TARGET
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
6A-2. RESPONSIBLE SEXUAL BEHAVIOR												
Reduce pregnancies among adolescent females aged 15 to 17 years [a] (HP-FP-8.1)	40.2	22.1	21.8	18.0								36.2
Reduce proportion of chlamydia infections among females aged 15 to 24 years b attending family planning clinics (HP-STD-1.1)	7.4/♦8.4	5.1	7.1	9.0								6.7/♦7.6
Reduce chlamydia rates among females aged 15 to 44 years [b] (STD-2)	NA/♦1642.4	1628.5	1688.4	1683.0								NA/♦1478.2
Reduce gonorrhea rates among females aged 15 to 44 years [b] (HP-STD-6.1)	285/♦168	166.8	214.7	233.8								257/♦151
Reduce gonorrhea rates among males aged 15 to 44 years [b] (HP-STD-6.2)	220/♦163	161.4	205.0	219.4								198/♦147
Reduce sustained transmission of primary and secondary syphilis among females [b](HP-STD-7.1)	1.5/♦0.5	0.4	0.5	0.8								1.4/♦0.45
Reduce sustained transmission of primary and secondary syphilis among males [b] (HP-STD-7.2)	7.6/♦8.1	8.0	5.8	8.0								6.8/♦7.3
Reduce congenital syphilis [b] (HP-STD-8)	10.1/♦16.1	17.2	16.3	15.3								9.1/♦14.5
6A-3. VACCINE PREVENTABLE DISEASES [c]												
Reduce or eliminate congenital rubella syndrome (HP-IID-1.1)	0	0	0	0								0
Reduce *Haemophilus influenzae type b* among children under age 5 years (HP-IID-1.2)	0.3	**	**	**								0.27
Reduce or eliminate measles (HP-IID-1.4)	115	**	**	**								30
Reduce or eliminate mumps (HP-IID-1.5)	421	0	**	**								500
Reduce or eliminate rubella (HP-IID-1.9)	10	0	0	0								10
Reduce the rate of hepatitis A (HP-IID-23)	1.0	1.2	1.4	1.1								0.3
Reduce the rate of meningococcal disease (HP-IID-3)	0.34	0.2	0.1	0.2								0.3
Reduce the rate of tuberculosis (HP-IID-29)	4.9	4.0	2.9	2.8								1.0

Notes: ¨ Indicates objectives, baseline and targets for Arizona which were identified by the Office of Sexually Transmitted Diseases; [a] The pregnancy rate is the number of pregnancies per 1,000 females aged 15 to 17 years; [b] The rates of chlamydia, gonorrhea, syphilis and genital herpes are per 100,000 persons. The rate of congenital syphilis is per 100,000 live births. Source: The numerators are by report date. The denominators are by the date of birth. Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of Infectious Disease Services; [c] The rates of hepatitis A, meningococcal disease, and tuberculosis are per 100,000 persons. Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of Infectious Disease Services; [d] There is no comparable U.S. baseline or target rate for Healthy People 2020 objective STD-2 which is focused on reducing chlamydia infections among "women 15-44 years who attended family planning clinics in the past 12 months".

TABLE 6A (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE 2020 OBJECTIVES: STATEWIDE TRENDS

Focus areas and selected objectives: (in parentheses are *Healthy People 2020* objective numbers)	Baseline for the U.S./AZ	ARIZONA RATES, RATIOS OR CASES BY YEAR:										U.S./AZ 2020 TARGET
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
6A-4. INJURY AND VIOLENCE												
Reduce firearm-related deaths (HP-IVP-30)	10.2	14.7	13.8	14.1								9.2
Reduce deaths caused by poisonings (HP-IVP-9.1)	13.1	17.6	16.9	19.1								13.1
Reduce deaths caused by suffocation (HP-IVP-24.1)	1.9	5.3	5.1	5.7								1.7
Reduce deaths caused by unintentional injuries (HP-IVP-11)	40.0	45.5	42.4	46.3								36.0
Reduce deaths caused by motor vehicle crashes (HP-IVP-13.1)	13.8	12.1	11.4	11.4								12.4
Reduce residential fire deaths (HP-IVP-28)	0.95	0.4	0.6	1.0								0.86
Reduce deaths from falls (HP-IVP-23.2)	45.3	11.6	11.2	12.1								45.3
Reduce drownings (HP-IVP-25)	1.2	1.3	1.3	1.1								1.1
Reduce homicides (HP-IVP-29)	6.1	6.1	5.9	5.9								5.5
Reduce the suicide rate (HP-MHMD-1)	11.3	17.2	16.2	17.0								10.2
Reduce the suicide rate among adolescents aged 15 to 19 years (HP-MHMD-2)	1.9	10.8	10.3	6.8								1.7
6A-5. CANCER												
Reduce the overall cancer death rate (HP-C-1)	178.4	151.3	149.8	149.6								160.6
Reduce the lung cancer death rate (HP-C-2)	50.6	37.8	37.7	36.4								45.5
Reduce the breast cancer death rate (HP-C-3)	22.9	19.7	19.2	11.3								20.6
Reduce the death rate from cancer of the uterine cervix (HP-C-4)	2.4	2.1	2.0	1.2								2.2
Reduce the colorectal cancer death rate (HP-C-5)	17.0	13.4	13.1	13.6								14.5
Reduce the oropharyngeal cancer death rate (HP-C-6)	2.5	2.1	2.2	2.0								2.3
Reduce the prostate cancer death rate (HP-C-7)	23.5	19.8	18.9	7.7								21.2
Reduce the rate of melanoma cancer deaths (HP-C-8)	2.7	2.7	3.0	3.0								2.4

Note: Firearm-related deaths, deaths caused by poisonings, and deaths caused by suffocation include accidents, homicides, and suicides. Residential fire deaths, deaths from falls, and drowning deaths include only accidents. All mortality rates are per 100,000 persons. All mortality rates that are not age-specific, are age-adjusted to the 2000 U.S. standard.

TABLE 6A (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED HEALTHY PEOPLE 2020 OBJECTIVES: STATEWIDE TRENDS

Focus areas and selected objectives: (in parentheses are *Healthy People 2020* objective numbers)	Baseline for the U.S./AZ	ARIZONA RATES, RATIOS OR CASES BY YEAR:										U.S./AZ 2020 TARGET
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
6A-6. DIABETES												
Reduce the diabetes-related death rate (HP-D-3)[a]	73.1	59.1	57.4	60.7								65.8
6A-7. HEART DISEASE AND STROKE												
Reduce coronary heart disease deaths (HP-HDS-2)	126.0	120.3	112.7	110.0								100.8
Reduce stroke deaths (HP-HDS-3)	42.2	30.6	29.9	28.2								33.8
6A-8. RESPIRATORY DISEASES												
Reduce asthma deaths among children and adults <35 years (HP-RD-1)	3.4	3.2	2.2	5.7								NA
Reduce asthma deaths among adults aged 35 to 64 years (HP-RD-1.2)	11.0	11.6	12.0	14.0								6.0
Reduce asthma deaths among adults aged 65 years and older (HP-RD-1.3)	43.3	54.1	41.5	41.8								22.9
Reduce deaths from chronic lower respiratory disease among adults aged 45 year and older (HP-RD-10)	112.4	126.2	124.5	126.6								98.5
6A-9. HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE												
Reduce the number of new AIDS cases per 100,000 population[c] (HP-HIV-4)	14.4	8.7	9.8	11.1								13.0
Reduce deaths from HIV disease (HP-HIV-12)	3.7	1.6	1.5	1.4								3.3
6A-10. SUBSTANCE ABUSE												
Reduce cirrhosis deaths (HP-SA-11)	9.1	13.4	13.6	14.5								8.2
Reduce drug-induced deaths (HP-SA-12)	12.6	16.8	16.3	16.9								11.3

[a] Objective D-3 of ***Healthy People 2020*** uses as the numerator the number of deaths due to diabetes reported as the underlying or multiple cause of death.

[c] The rates for prior years are revised annually and reflect reported new HIV/AIDS cases by year of diagnosis. **Source: Arizona Department of Health Services, Bureau of Epidemiology and Disease Control, Office of HIV/AIDS Services.**

Note: Mortality rates for asthma are per 1,000,000 population. All other mortality rates are per 100,000 persons. Mortality rates for diabetes, coronary heart disease, stroke chronic lower respiratory disease, HIV disease, cirrhosis and drug-induced deaths are age-adjusted to the 2000 U.S. standard.

6B

2013 County Profiles

TABLE 6B
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED NATIONAL YEAR 2020 OBJECTIVES: 2013 COUNTY PROFILES

Focus areas and selected objectives: (in parentheses are ***Healthy People 2020*** objective numbers)	U.S./AZ 2020 TARGET	RATES, RATIOS OR CASES IN 2013															
		Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
6B-1. MATERNAL, INFANT AND CHILD HEALTH																	
Reduce fetal deaths at 20 or more weeks of gestation (HP-MICH-1.1)	5.6	6.4	8.3	3.7	3.7	11.7	**	**	**	6.7	6.3	6.4	6.1	4.6	**	8.7	4.5
Reduce fetal and infant deaths during perinatal period (HP-MICH-1.2)	5.9	5.7	9.4	6.8	6.8	**	**	**	**	5.8	3.4	3.9	4.7	4.2	**	8.2	5.4
Reduce infant deaths (HP-MICH-1.3)	6.0	5.3	10.5	8.1	6.2	**	**	**	**	5.3	3.4	4.5	4.8	3.9	**	4.4	5.8
Reduce neonatal deaths (HP-MICH-1.4)	4.1	3.4	**	6.8	4.3	**	**	0.0	**	3.5	**	**	2.8	2.2	**	**	4.5
Reduce postneonatal deaths (HP-MICH-1.5)	2.0	1.9	6.3	**	**	**	**	**	0.0	1.8	**	**	2.1	1.8	0.0	**	**
Increase the proportion of pregnant women who receive prenatal care in the first trimester (HP-MICH-10.1)	77.9%	81.3	68.3	75.5	84.9	68.3	72.3	72.8	79.4	84.7	81.2	70.5	73.8	85.5	64.1	82.0	63.2
Reduce low birth weight (LBW) (HP-MICH-8.1)	7.8%	6.9	5.6	7.6	7.2	8.3	7.8	5.6	6.9	6.9	6.4	8.4	7.1	6.5	7.1	7.6	5.2
Reduce very low birth weight (VLBW) (HP-MICH-8.2)	1.4%	1.1	**	1.3	1.0	1.9	1.2	0.0	**	1.1	0.6	1.5	0.9	1.1	1.7	1.4	1.3
Reduce preterm births (HP-MICH-9.1)	11.4%	9.0	8.0	8.2	9.2	9.3	11.2	12.0	12.3	9.2	7.5	8.8	8.9	8.6	8.1	8.5	7.7
Increase abstinence from cigarette smoking among pregnant women (HP-MICH-11.3)	98.6%	95.6	97.2	93.0	98.5	86.1	92.0	90.4	98.0	96.0	86.8	93.6	96.4	94.1	99.7	88.6	98.3
6B-2. RESPONSIBLE SEXUAL BEHAVIOR																	
Reduce pregnancies among adolescent females aged 15 to 17 years [a] (HP-FP-8.1)	36.2	18.0	20.8	17.3	18.8	26.7	26.3	28.6	31.2	17.2	10.9	17.6	19.0	14.8	18.6	13.2	25.5
Reduce gonorrhea rates among females aged 15-44 years [b] (HP-STD-6.1)	257/¨151	233.8	360.6	106.2	229.6	256.5	87.7	**	**	256.2	160.4	624.5	182.0	231.2	91.5	47.5	120.2
Reduce the incidence of primary and secondary syphilis [b] (HP-STD-7.1)	1.4	4.4	**	**	**	0.0	**	0.0	0.0	5.3	**	0.0	5.5	1.8	0.0	0.0	**

Notes: ¨ Indicates objectives, baseline and targets for Arizona which were identified by the **Office of Sexually Transmitted Diseases.**

Fetal and perinatal death rates were revised in order to include only spontaneous fetal losses and exclude induced terminations of pregnancy. The fetal death rate is per 1,000 live births plus spontaneous fetal losses of 20 or more weeks of gestation. The perinatal death rate is per 1,000 live births plus spontaneous fetal losses of 28 or more weeks of gestation (Perinatal period= 28 weeks of gestation to 7 days after birth). Infant, neonatal, and postneonatal deaths are per 1,000 live births. Source: **Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of Infectious Disease Service.**

[a] The pregnancy rates are per 1,000 females 15-17 years old.

[b] The incidence rates of gonorrhea and primary and secondary syphilis are per 100,000 population.

All other proportions and ratios are per 100 live births. Preterm births = births prior to 37 completed weeks of gestation.

The rates based on fewer than 10 cases are not statistically reliable. See Tables 5A-1, 5B-16, 5C-1, 5C-3, 5E-16, 5E-21, 5E-23, 5F-1 for the numerators.

TABLE 6B (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED NATIONAL YEAR 2020 OBJECTIVES: 2013 COUNTY PROFILES

Focus areas and selected objectives: (in parentheses are ***Healthy People 2020*** objective numbers)	U.S./AZ 2020 TARGET	RATES, RATIOS OR CASES IN 2013															
		Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
6B-3. VACCINE PREVENTABLE DISEASES																	
Reduce the rate of hepatitis A (HP-IID-23)	0.3	1.1	0.0	**	0.0	0.0	**	0.0	0.0	1.2	**	**	1.1	**	**	**	0.0
Reduce the rate of meningococcal disease (HP-IID-3)	0.3	0.2	0.0	0.0	0.0	0.0	**	0.0	0.0	**	0.0	**	**	**	0.0	**	**
Reduce the rate of tuberculosis (HP-IID-29)	1.0	2.8	8.3	**	4.4	0.0	0.0	0.0	0.0	2.3	**	**	2.4	8.1	0.0	0.0	10.5
6B-4. INJURY AND VIOLENCE																	
Reduce firearm-related deaths (HP-IVP-30)	9.2	14.1	20.7	16.0	10.0	20.9	**	0.0	**	13.5	19.7	15.1	15.9	8.8	**	21.3	11.4
Reduce deaths caused by unintentional injuries (HP-IVP-11)	36.0	46.3	108.7	33.2	78.8	84.0	52.3	**	61.7	40.7	52.9	106.1	50.8	37.4	32.2	74.7	35.0
Reduce deaths caused by motor vehicle crashes (HP-IVP-13.1)	12.4	11.4	43.1	12.5	23.3	31.5	**	**	25.4	9.4	12.9	30.1	10.4	12.4	14.4	12.6	11.1
Reduce deaths from falls (HP-IVP-23.2)	45.3	12.1	11.0	10.3	14.4	7.1	**	0.0	**	12.8	7.9	6.3	12.7	9.1	**	18.2	5.7
Reduce homicides (HP-IVP-29)	5.5	5.9	21.1	4.1	5.2	12.9	**	0.0	**	5.4	5.1	15.2	7.2	5.0	0.0	3.5	4.5
Reduce the suicide rate (HP-MHMD-1)	10.2	17.0	38.1	20.4	17.7	33.7	19.9	**	**	15.2	29.5	23.2	17.9	13.6	13.5	30.3	7.9
Reduce the suicide rate among adolescents aged 15 to 19 years (HP-MHMD-2)	1.7	6.8	**	0.0	**	0.0	**	0.0	0.0	6.0	**	**	**	0.0	**	**	**
6B-5. CANCER																	
Reduce the overall cancer death rate (HP-C-1)	160.6	149.6	144.4	161.5	125.5	148.3	175.6	108.4	130.1	147.3	192.2	155.7	151.8	146.2	122.3	162.5	116.9
Reduce the lung cancer death rate (HP-C-2)	45.5	36.4	22.7	41.0	28.3	44.3	31.7	**	30.9	36.5	59.2	33.6	34.6	32.9	15.5	34.5	25.4
Reduce the breast cancer death rate (HP-C-3)	20.6	11.3	**	5.1	13.8	8.8	18.5	**	**	11.9	10.4	11.7	10.9	9.2	12.2	13.2	11.2
Reduce the colorectal cancer death rate (HP-C-5)	14.5	13.6	14.5	19.6	9.4	9.9	**	0.0	**	13.3	19.6	13.4	13.3	13.4	11.3	15.4	8.1
Reduce the prostate cancer death rate (HP-C-7)	21.2	7.7	17.1	8.5	9.1	6.3	**	**	**	6.7	12.3	12.0	8.6	6.4	**	11.3	4.4

Notes: * The rates based on fewer than 10 cases are not statistically reliable.

The rates of hepatitis A, meningococcal disease, and tuberculosis are per 100,000 persons. Source: **Arizona Department of Health Services, Bureau of Epidemiology and Disease Control Services, Office of Infectious Disease Services**. Except the age-specific mortality rates for suicide, all mortality rates are adjusted to the 2000 standard population and expressed per 100,000 population.

TABLE 6B (continued)
MONITORING PROGRESS TOWARD ARIZONA AND SELECTED NATIONAL YEAR 2020 OBJECTIVES: 2013 COUNTY PROFILES

Focus areas and selected objectives: (in parentheses are ***Healthy People 2020*** objective numbers)	U.S./AZ 2020 TARGET	RATES, RATIOS OR CASES IN 2013															
		Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
6B-6. DIABETES																	
Reduce the diabetes-related death rate (HP-D-3)	65.8	68.5	94.2	87.8	33.2	124.8	134.7	91.6	181.1	59.4	90.4	93.8	75.6	59.2	81.3	103.8	98.4
6B-7. HEART DISEASE AND STROKE																	
Reduce coronary heart disease deaths (HP-HDS-2)	100.8	110.0	90.4	126.8	82.9	104.2	82.2	53.4	154.7	107.0	183.7	98.0	116.3	103.0	89.3	97.2	80.8
Reduce stroke deaths (HP-HDS-3)	33.8	28.2	34.1	42.1	17.8	35.6	23.7	**	22.5	28.1	16.8	41.1	31.1	25.1	33.1	28.9	20.0
6B-8. RESPIRATORY DISEASES																	
Reduce deaths from chronic lower respiratory disease among adults aged 45 years and older (HP-RD-10)	98.5	126.6	50.7	133.9	68.3	209.5	141.0	**	140.2	119.4	225.7	82.5	125.1	123.1	40.6	183.3	111.7
6B-9. HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE																	
Reduce the number of new HIV/AIDS cases per 100,000 population (HP-HIV-4)	13.0	11.1	12.5	6.1	10.3	**	0.0	0.0	**	12.4	6.4	12.0	11.2	11.2	**	4.2	5.3
Reduce deaths from HIV disease (HP-HIV-12)	3.3	2.7	0.0	0.0	**	**	0.0	0.0	0.0	3.2	3.4	**	3.2	**	0.0	**	**
6B-10. SUBSTANCE ABUSE																	
Reduce cirrhosis deaths (HP-SA-11)	8.2	14.5	31.3	15.4	17.1	28.4	24.9	**	**	12.0	25.4	41.3	15.9	17.6	12.0	16.2	10.5
Reduce drug-induced deaths (HP-SA-12)	11.3	16.9	**	8.1	16.1	27.1	20.4	0.0	**	15.5	29.5	25.1	22.2	11.8	**	27.2	11.9

Notes: Objective D-3 of ***Healthy People 2020*** uses as the numerator the number of deaths due to diabetes reported as the underlying or multiple cause of death. The multiple cause of death data are not available for all of the out-of-State deaths of Arizona residents, therefore the diabetes-related deaths are understated. All mortality rates are age-adjusted to the 2000 U.S. standard and expressed per 100,000 population. The age-adjustment standard for chronic lower respiratory disease uses the weights for three age groups among persons 45 years or older (45-49 years, 50-64 years, and 65+ years). The incidence rates of reported new HIV/ AIDS cases are based on numerators provided by the **Office of HIV/AIDS Services, Bureau of Epidemiology and Disease Control** (see Table 5F-3).

The rates based on fewer than 10 cases are not statistically reliable. See Tables 5A-1, 5B-16, 5C-1, 5C-3, 5E-16, 5E-21, 5E-23, 5F-1 for the numerators.

The rates for new HIV/AIDS cases were calculated using the population table 10a1.

CHAPTER 7

HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY COUNTY OF RESIDENCE IN 2013

7A. DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS

7B. DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES

7C. CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY AND DIAGNOSIS GROUP

7D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY BY COUNTY OF RESIDENCE

7A

Discharges from Short-Stay Hospitals by First-Listed Diagnosis

TABLE 7A-1
NUMBER OF DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2013

Category of first-listed diagnosis	Total	County of residence															
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total	636,535	3,698	13,596	9,740	6,888	4,200	713	1,956	385,977	23,674	9,992	96,152	38,378	3,307	21,662	16,592	10
Infectious and parasitic diseases	38,238	253	684	699	472	211	23	86	24,711	1,099	740	4,893	2,049	192	1,180	946	0
Septicemia	27,444	211	460	540	379	149	12	64	17,979	730	601	3,202	1,348	146	910	713	0
Enterocolitis due to *Clostridium difficile*	2,700†	6	69	38	28	15	*	11	1,578	124	37	443	159	10	93	89	0
Neoplasms	23,327	112	491	330	214	113	18	84	14,047	930	325	3,598	1,397	168	971	529	0
Malignant neoplasms	18,226	90	389	244	175	97	13	65	10,788	818	273	2,847	1,094	125	772	436	0
Large intestine	2,250†	7	47	25	19	15	*	14	1,304	120	37	368	118	20	91	62	0
Prostate	1,320†	*	36	19	11	*	*	*	819	35	8	208	75	11	67	14	0
Trachea bronchus and lung	2,270†	*	34	18	24	16	*	15	1,308	172	30	345	125	16	97	61	0
Breast	960†	*	14	22	12	8	*	*	570	47	8	172	49	*	32	15	0
Benign neoplasms	4,010†	18	70	74	31	11	*	14	2,566	82	33	588	248	38	161	77	0
Endocrine nutritional metabolic and immunity diseases	23,524	161	598	356	295	218	18	93	13,732	998	298	3,889	1,473	110	717	568	0
Diabetes mellitus	10,836	91	250	155	123	129	8	48	6,281	458	153	1,803	731	44	312	250	0
Volume depletion	60†	*	*	0	*	*	0	0	31	*	*	14	*	*	*	0	0
Morbid obesity	2,110†	*	54	52	18	9	*	*	1,201	15	19	461	135	6	64	69	0
Diseases of the blood and blood forming organs	6,491	29	148	77	47	34	9	17	4,167	297	89	812	415	23	175	152	0
Mental disorders	41,195	231	471	720	191	138	35	42	27,629	443	735	7,288	1,696	67	1,261	241	7
Psychoses	34,356	155	359	505	151	109	28	37	23,743	285	499	5,812	1,481	53	921	211	7
Alcoholic psychoses	3,960†	21	41	117	19	23	*	7	2,594	86	58	719	141	9	88	32	*
Drug psychoses	2,680†	6	31	20	15	*	*	*	1,987	33	14	411	82	*	56	14	0
Schizophrenic disorders	5,400†	26	44	47	20	9	*	*	3,527	21	92	1,279	162	12	120	33	*
Manic-depressive disorders	18,948	84	209	274	73	56	19	22	13,447	76	287	2,788	932	19	547	110	*
Neurotic disorders	6,840†	76	112	215	40	29	7	*	3,886	158	236	1,476	215	14	340	30	0
Anxiety states	510†	*	*	8	*	0	*	0	352	13	12	77	18	0	16	0	0
Depression	2,570†	25	44	46	14	16	*	*	1,507	18	74	612	94	10	90	13	0
Drug dependence	520†	*	*	32	7	*	*	*	249	9	23	132	7	0	42	*	0
Nondependent abuse of drugs	580†	*	*	14	*	*	0	0	361	29	17	112	17	*	11	*	0
Alcohol dependence syndrome	960†	23	10	44	*	*	*	0	487	58	63	143	18	0	102	6	0
Diseases of the nervous system	14,977	104	278	310	123	98	10	34	9,437	439	194	2,269	851	54	524	252	0
Diseases of the circulatory system	83,100	461	2,199	1,090	1,315	422	99	364	47,943	4,458	1,199	12,225	5,220	454	3,427	2,223	*
Heart disease	52,832	297	1,537	669	859	279	69	230	29,943	2,949	773	7,866	3,318	295	2,305	1,442	*
Acute myocardial infarction	10,010	86	389	105	187	54	23	51	5,360	541	198	1,486	599	77	511	343	0
Coronary artherosclerosis	6,661	43	244	89	135	39	11	37	3,432	396	111	1,097	491	41	300	195	0

TABLE 7A-1 (continued)
NUMBER OF DISCHARGES[a] BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2013

Category of first-listed diagnosis	Total	County of residence															
		Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Other ischemic heart disease	680†	7	29	13	38	6	*	*	336	40	9	92	61	*	20	15	0
Cardiac dysrythmias	13,591	44	313	166	169	80	12	50	8,131	737	129	1,915	871	57	580	337	0
Cardiac arrest	170†	0	11	*	0	*	0	*	112	7	*	22	*	0	8	*	0
Congestive heart failure	2,030†	18	122	12	102	21	*	15	876	175	52	216	182	15	105	119	0
Cerebrovascular disease	15,936	95	339	201	236	80	12	83	9,220	702	222	2,427	1,082	83	681	473	0
Diseases of the respiratory system	56,042	343	1,382	823	711	413	53	198	31,735	3,395	1,111	8,093	3,835	255	2,029	1,666	0
Acute bronchitis and bronchiolitis	4,270†	52	70	132	37	52	*	9	2,534	158	144	593	305	23	111	45	0
Pneumonia	16,698	121	547	218	254	168	19	90	8,842	1,034	397	2,505	1,169	77	609	648	0
Chronic bronchitis	8,934	30	287	64	140	28	6	31	4,758	1,060	77	1,019	720	30	314	370	0
Asthma	6,062	17	126	86	37	27	6	6	3,684	279	111	922	454	25	142	140	0
Diseases of the digestive system	65,400	418	1,297	1,023	801	480	91	196	39,154	2,900	1,154	9,708	4,151	320	2,211	1,495	*
Appendicitis	4,841	14	50	85	34	55	12	11	3,019	172	75	721	293	35	176	89	0
Noninfectious enteritis and colitis	5,520†	19	129	64	81	29	*	13	3,536	230	67	746	342	15	146	106	0
Diverticula of intestine	5,585	28	99	52	69	27	9	14	3,473	241	82	880	290	23	161	137	0
Cholelithiasis	7,484	51	120	122	66	60	10	21	4,441	282	181	1,106	572	47	241	163	*
Diseases of the genitourinary system	30,695	127	711	332	376	202	26	81	18,725	1,427	321	4,177	2,133	204	919	934	0
Calculus of kindey and ureter	3,940†	10	70	20	41	20	6	*	2,625	169	29	416	308	21	71	131	0
Diseases of the skin and subcutaneous tissue	15,470	76	317	221	165	162	22	53	9,602	466	216	2,250	1,096	56	323	444	*
Cellulitis and abscess	13,576	61	274	187	153	136	15	46	8,442	404	182	1,982	963	47	270	413	*
Diseases of the musculoskeletal system	43,614	302	1,044	721	529	274	58	173	24,748	1,483	662	7,387	2,763	222	2,232	1,016	0
Osteoarthrosis and allied disorders	22,449	146	514	309	278	133	32	91	12,548	819	320	3,841	1,555	111	1,204	548	0
Invertebral disc disorders	4,700†	32	90	142	39	26	*	38	2,820	213	72	597	245	16	261	103	0
Congenital anomalies	2,420†	20	51	48	12	14	*	*	1,521	56	60	353	119	18	76	63	0
Conditions originating in perinatal period	2,716	23	61	84	13	24	6	6	1,615	69	61	414	173	22	76	69	0
Symptoms signs and ill-defined conditions	20,857	101	476	298	266	120	18	37	12,721	1,190	287	3,099	1,321	83	535	305	0
Injury and poisoning	61,709	563	1,202	976	662	457	73	205	38,007	1,900	1,125	8,991	3,776	265	2,236	1,271	0
Fractures, all sites	21,101	232	449	329	216	153	19	71	12,934	608	352	3,172	1,108	104	874	480	0
Fracture of neck of femur	6,420†	42	171	78	62	48	*	24	3,678	277	85	1,125	301	37	324	158	0
Poisonings	7,045	41	91	134	59	39	9	18	4,226	339	131	1,236	376	20	223	103	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Excluding newborn infants.

TABLE 7A-2
NUMBER OF DISCHARGES[a] BY GENDER, AGE GROUP, RACE/ETHNICITY, MARITAL STATUS, PRIMARY PAYER, AND COUNTY OF RESIDENCE, ARIZONA, 2013

Selected characteristics		Total	County of residence															
			Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total		636,535	3,700†	13,600†	9,740	6,888	4,200	710†	1,960†	385,977	23,670†	9,992	96,152	38,378	3,307	21,662	16,592	10†
Gender	**Female**	368,452	1,770	7,795	5,430	3,785	2,391	412	1,031	226,199	12,655	5,390	56,330	21,391	2,026	12,002	9,843	*
	Male	268,077	1,928	5,801	4,310	3,103	1,809	301	925	159,777	11,019	4,602	39,821	16,987	1,281	9,656	6,749	8
	Unknown	10†	0	0	0	0	0	0	0	*	0	0	*	0	0	*	0	0
Age group	**Children <15 years**	33,568	238	559	797	257	349	52	79	21,069	720	804	4,817	2,159	224	757	687	0
	Adolescents 15-19 years	21,141	96	381	356	152	181	49	56	13,698	404	388	3,007	1,141	137	470	625	0
	Young adults 20-44 years	182,519	920	3,054	3,111	1,197	1,481	234	377	118,534	3,878	2,997	26,397	10,898	947	3,761	4,729	*
	Middle-aged adults 45-64 years	163,424	1,086	3,224	2,734	1,817	1,105	170	463	99,581	6,415	2,640	24,884	9,942	676	5,397	3,285	*
	Elderly 65+ years	235,866	1,352	6,378	2,742	3,465	1,084	208	981	133,090	12,256	3,158	37,047	14,238	1,323	11,277	7,266	*
	Unknown	20†	6	0	0	0	0	0	0	*	*	*	0	0	0	0	0	0
Race/ethnicity	**American Indian or Alaska Native**	26,372	2,062	67	2,642	628	1,421	11	330	7,185	501	4,305	3,233	3,398	8	316	265	0
	Asian or Pacific Islander	9,550†	13	173	37	27	13	*	7	7,256	118	32	1,344	338	15	71	106	0
	Black or African American	31,030†	20	380	126	19	32	*	19	24,468	207	85	3,716	1,557	13	107	276	0
	Hispanic or Latino	129,662	198	3,274	1,047	852	718	227	211	79,305	1,219	537	24,107	6,731	2,555	1,390	7,291	0
	White non-Hispanic	432,201	1,379	9,444	5,757	5,202	1,945	456	1,347	263,484	21,389	4,959	62,322	25,884	684	19,576	8,364	9
	Other	1,410†	*	*	58	104	29	*	*	909	*	18	11	186	0	16	67	0
	Refused	6,311	25	256	73	56	42	11	38	3,370	239	56	1,419	284	32	186	223	*
Patient's marital status	**Single**	228,333	1,524	3,805	4,013	2,113	1,821	257	691	143,656	6,544	4,154	35,251	13,158	1,145	5,450	4,743	8
	Married	272,682	1,466	6,683	4,035	3,113	1,653	345	864	161,960	10,787	4,087	39,722	17,933	1,489	10,511	8,034	0
	Separated	6,420†	43	90	132	45	34	*	12	3,913	202	91	767	382	36	311	356	0
	Divorced	52,749	225	1,108	577	588	272	37	138	32,505	2,351	701	7,852	2,918	216	2,004	1,256	*
	Widowed	71,101	311	1,696	740	974	342	63	203	41,874	3,615	742	11,217	3,728	379	3,072	2,145	0
	Unknown	4,998	127	214	242	53	76	8	47	1,850	167	213	1,341	251	42	312	54	*
	Not applicable	260†	*	0	*	*	*	0	*	219	8	*	*	8	0	*	*	0
Primary payer	**Self**	43,365	177	818	855	321	167	37	111	28,197	1,151	459	6,184	2,124	272	1,235	1,256	*
	Private insurance (indemnity, HMO, PPO)	167,162	568	3,167	2,822	1,428	1,100	321	336	108,602	4,363	1,792	24,332	9,703	567	5,308	2,751	*
	AHCCCS/Medicaid	134,500	818	2,389	2,264	1,119	1,113	103	368	83,696	3,780	2,620	20,329	7,746	949	3,399	3,806	*
	Medicare	197,401	1,327	5,210	2,921	3,619	1,189	217	955	111,153	11,423	3,157	26,897	11,820	733	10,388	6,388	*
	Other	94,107	808	2,012	878	401	631	35	186	54,329	2,957	1,964	18,410	6,985	786	1,332	2,391	*

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Excluding newborn infants.

7B

Discharges from Short-Stay Hospitals by All-Listed Procedures

TABLE 7B-1
NUMBER OF PROCEDURES BY CATEGORY AND COUNTY OF RESIDENCE, ARIZONA, 2013

Procedures by category	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
All procedures	1,010,655	6,238	20,686	15,780	11,238	6,795	1,335	3,659	607,292	35,643	17,085	154,443	63,078	6,165	36,460	24,753	5
Operations on the nervous system	25,544	188	403	758	228	391	86	58	15,875	713	514	3,559	1,339	118	901	412	*
Spinal tap	7,500†	35	71	137	65	41	*	19	5,106	152	123	998	410	32	168	140	*
Operations on the endocrine system	1,510†	10	21	36	18	9	*	7	931	43	28	209	91	*	70	33	0
Operations on the eye	950†	9	20	11	*	12	*	7	584	10	33	130	59	6	43	20	0
Operations on the ear	430†	*	7	11	*	*	0	*	253	*	11	81	21	*	19	11	0
Operations on the nose, mouth, and pharynx	4,100†	47	77	104	33	30	*	12	2,412	106	97	689	239	15	137	95	0
Operations on the respiratory system	22,959	132	391	267	271	121	22	94	14,030	869	357	3,128	1,296	104	793	1,084	0
Bronchoscopy with or without biopsy	990†	*	14	7	10	8	*	*	622	33	14	90	64	*	33	82	0
Operations on the cardiovascular system	80,870	577	1,596	1,146	1,037	459	91	367	48,573	3,918	1,494	10,536	4,973	414	3,383	2,306	0
Removal of coronary artery obstruction	8,326	57	193	100	142	47	15	49	4,758	423	138	1,122	577	57	421	227	0
Coronary artery bypass graft	3,490†	26	128	39	55	23	*	14	1,855	133	62	534	238	26	179	174	0
Cardiac catheterization	19,291	131	481	242	340	115	36	97	10,893	1,042	360	2,635	1,333	113	885	588	0
Insertion, replacement, removal, of pacemaker leads	4,020†	18	79	66	53	15	*	14	2,454	193	58	542	246	12	191	76	0
Hemodialysis	15,679	100	259	202	167	159	15	72	9,633	612	317	1,977	1,407	87	304	368	0
Operations on the hemic and lymphatic system	7,625	33	159	95	73	25	11	23	4,633	242	112	1,211	449	45	324	190	0
Operations on the digestive system	73,405	452	1,416	1,182	873	517	99	213	44,176	2,619	1,349	11,096	4,790	431	2,589	1,602	*
Gastric band	70†	0	*	0	0	0	0	0	52	0	0	8	*	0	0	0	0
Endoscopy of small intestine with or without biopsy	19,003	127	379	322	298	108	18	57	11,537	736	389	2,779	1,148	93	630	381	*
Endoscopy of large intestine with or without biopsy	8,160†	38	127	106	119	29	*	27	5,189	366	145	1,052	498	33	284	139	0
Partial excision of large intestine	3,000†	17	59	54	39	21	*	17	1,758	194	57	398	161	22	140	65	0
Appendectomy, excluding incidental	5,422	15	61	93	40	60	13	12	3,371	179	80	825	348	38	193	94	0
Cholecystectomy	10,152	57	190	187	113	87	20	22	5,932	313	244	1,588	793	64	320	222	0
Lysis of peritoneal adhesions	7,013	31	135	94	80	38	13	23	4,186	255	89	1,126	471	46	322	104	0
Operations on the urinary system	15,782	76	271	188	140	73	11	45	10,177	710	177	1,727	1,163	95	514	415	0
Cystoscopy with or without biopsy	3,690†	14	62	40	23	11	*	10	2,562	134	35	364	233	22	95	76	0
Operations on the male genital organs	9,406	14	216	78	75	34	10	16	6,197	189	32	1,343	924	45	151	82	0
Prostatectomy	2,000†	*	37	26	32	*	*	10	1,278	82	14	258	122	14	91	26	0

TABLE 7B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND COUNTY OF RESIDENCE, ARIZONA, 2013

Procedures by category	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Operations on the female genital organs	14,109	32	303	242	97	119	19	37	8,651	373	156	2,180	960	125	495	320	0
Oophorectomy and salpingo-oophorectomy	3,470†	9	61	59	28	22	*	9	2,089	104	41	492	262	25	211	56	0
Bilateral destruction/occlusion of fallopian tubes	4,760	13	121	68	27	60	11	12	2,977	130	56	698	291	29	115	152	0
Hysterectomy	4,790†	10	82	98	34	28	*	8	2,852	137	56	713	386	54	251	78	0
Obstetrical procedures	82,214	236	1,599	1,299	488	659	127	203	52,606	1,729	1,114	11,990	4,524	645	1,719	3,276	0
Episiotomy with or w/o forceps or vacuum extraction	5,800†	9	77	61	36	40	*	13	3,572	330	46	872	313	40	146	244	0
Artificial rupture of membranes	22,778	108	400	338	149	67	9	54	14,627	299	374	4,495	1,042	207	485	124	0
Cesarean section	23,145	59	440	292	124	184	26	72	15,055	506	301	3,062	1,390	212	539	883	0
Repair of current obstetric laceration	29,264	67	574	448	104	228	54	56	19,361	454	328	4,251	1,503	157	533	1,146	0
Operations on the musculoskeletal system	67,504	544	1,478	1,074	786	460	89	261	39,369	2,087	1,077	11,071	4,230	351	3,153	1,474	0
Partial excision of bone	8,791	86	239	172	69	70	16	31	4,986	181	160	1,544	564	50	480	143	0
Reduction of fracture	11,329	109	263	195	130	63	8	39	6,871	289	189	1,755	568	63	523	264	0
Open reduction of fracture with internal fixation	8,121	81	203	160	99	37	6	26	4,851	222	120	1,324	423	47	333	189	0
Excision or destruction of intervertebral disc	6,190	44	179	140	58	40	6	38	3,485	205	96	1,065	325	24	399	86	0
Total hip replacement	7,173	41	138	102	73	38	8	19	4,195	262	89	1,163	417	31	426	171	0
Total knee replacement	14,673	101	362	191	198	104	24	64	8,101	560	221	2,491	1,069	81	750	356	0
Operations on the integumentary system	24,745	180	370	347	284	207	32	72	15,824	626	430	3,406	1,586	90	759	531	*
Debridement of wound, infection, or burn	6,524	69	113	111	80	65	12	26	4,006	141	132	900	471	29	241	128	0
Miscellaneous diagnostic and therapeutic procedures	175,929	1,045	4,061	2,697	2,074	1,234	232	602	103,947	6,725	3,022	27,928	11,647	933	6,006	3,775	*
Computerized axial tomography	2,662	10	61	32	26	13	6	11	1,260	79	25	945	53	14	41	86	0
Arterio- & angiocardiography using contrast material	24,869	172	587	321	445	140	48	133	14,363	1,369	470	3,242	1,673	149	1,102	655	0
Diagnostic ultrasound	10,258	49	201	182	110	41	21	36	6,298	414	173	1,473	540	51	351	318	0
Respiratory therapy	28,508	295	570	470	373	245	36	108	16,612	1,129	718	4,078	1,790	122	1,198	764	0
Insertion of endotracheal tube	16,149	109	267	251	174	100	9	59	9,763	665	293	2,360	967	78	543	511	0
Injection/infusion of cancer chemotherapeutic substance	3,490†	19	61	27	26	23	*	6	2,266	50	74	453	247	25	119	90	0

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

TABLE 7B-2
EXPECTED SOURCE OF PAYMENT FOR INPATIENT PROCEDURES BY COUNTY OF RESIDENCE, ARIZONA, 2013

	Total	Number of procedures by payer				
		Self	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
Total	1,010,655	59,013	293,965	208,592	296,650	152,435
Apache	6,238	289	1,060	1,329	2,056	1,504
Cochise	20,686	1,146	4,845	3,989	6,881	3,825
Coconino	15,780	1,241	5,045	3,753	4,469	1,272
Gila	11,238	407	2,194	1,962	5,800	875
Graham	6,795	213	1,861	1,880	1,860	981
Greenlee	1,335	55	605	191	407	77
La Paz	3,659	155	649	725	1,826	304
Maricopa	607,292	37,025	190,001	123,644	168,355	88,267
Mohave	35,643	1,342	7,198	6,377	16,354	4,372
Navajo	17,085	693	3,047	4,274	5,673	3,398
Pima	154,443	8,880	44,963	35,260	36,419	28,921
Pinal	63,078	3,063	17,483	12,339	19,190	11,003
Santa Cruz	6,165	570	1,193	2,084	1,093	1,225
Yavapai	36,460	2,096	9,576	5,222	16,737	2,829
Yuma	24,753	1,837	4,245	5,563	9,528	3,580
Unknown	10†	*	0	0	*	*

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

7C

Characteristics of Emergency Room Visits by Disease Category and Diagnosis Group

TABLE 7C-1
NUMBER OF EMERGENCY ROOM VISITS[a] BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2013

Category of first-listed diagnosis	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total, all visits	1,989,183	18,715	47,872	33,026	22,048	18,509	2,168	6,793	1,179,801	87,085	29,589	289,047	113,237	13,335	76,792	51,112	54
Infectious and parasitic diseases	43,282	1,390	1,359	790	438	449	44	119	24,713	1,856	814	6,160	2,148	323	1,409	1,270	0
Neoplasms	3,050†	26	104	26	29	16	*	27	1,786	159	58	376	183	26	121	103	0
Endocrine nutritional metabolic and immunity diseases	32,802	379	1,100	457	401	358	41	235	18,188	1,570	533	4,662	1,991	282	1,272	1,333	0
Diabetes mellitus	11,789	144	340	191	103	119	12	44	6,882	609	207	1,461	705	123	387	462	0
Mental disorders	69,599	593	1,481	2,690	680	611	84	258	35,830	3,157	1,204	13,827	3,692	465	3,013	2,000	14
Psychoses	14,544	135	396	423	136	132	17	57	6,951	720	262	3,194	868	69	836	346	*
Alcoholic psychoses	2,250†	64	37	218	33	21	*	7	1,033	72	113	396	82	*	136	31	0
Drug psychoses	3,220†	17	85	71	38	46	*	*	1,554	149	54	725	199	19	174	79	*
Schizophrenic disorders	1,580†	10	69	26	8	25	*	18	633	62	24	469	115	8	48	65	0
Manic-depressive disorders	3,320†	18	92	39	20	14	*	16	1,646	217	31	814	226	12	115	58	0
Neurotic disorders	55,039	458	1,085	2,267	544	479	66	201	28,872	2,435	942	10,630	2,822	396	2,176	1,654	12
Anxiety states	15,387	73	397	317	213	92	8	86	8,728	813	173	2,143	825	142	752	623	*
Depression	6,885	29	147	107	54	52	20	34	3,616	133	105	1,556	499	27	368	138	0
Drug dependence	760†	*	18	7	*	19	*	0	377	13	*	226	25	11	21	23	0
Nondependent abuse of drugs	17,689	141	244	988	206	211	20	58	8,670	665	399	4,325	772	124	440	419	7
Alcohol dependence syndrome	5,008	137	54	681	16	47	8	7	2,299	182	165	933	121	10	247	99	*
Diseases of the nervous system	118,678	1,501	3,061	2,715	1,823	1,085	119	432	68,964	5,492	2,029	17,457	6,545	550	3,742	3,160	*
Diseases of the circulatory system	53,961	419	1,857	620	940	421	70	316	30,157	2,842	924	7,085	3,377	459	2,820	1,652	*
Diseases of the respiratory system	201,982	3,322	4,880	3,061	2,628	2,610	252	875	120,132	10,131	3,189	25,258	11,412	1,020	7,998	5,212	*
Acute bronchitis and bronchiolitis	26,288	130	634	323	368	266	20	129	17,398	1,704	365	1,788	1,528	96	1,052	486	*
Pneumonia	18,772	170	562	204	232	241	37	77	10,899	758	343	2,661	1,116	134	877	461	0
Chronic bronchitis	6,652	62	287	55	171	77	19	101	2,956	819	140	788	508	38	384	247	0

TABLE 7C-1 (continued)
NUMBER OF EMERGENCY ROOM VISITS[a] BY FIRST-LISTED DIAGNOSIS AND COUNTY OF RESIDENCE, ARIZONA, 2013

Category of first-listed diagnosis	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Asthma	26,034	285	550	296	224	179	10	98	17,102	861	338	2,881	1,394	113	794	909	0
Diseases of the digestive system	123,112	1,364	3,211	1,727	1,215	993	144	562	73,211	5,548	1,932	17,271	7,199	673	4,764	3,296	*
Diseases of the genitourinary system	119,249	1,064	2,984	1,506	1,047	1,036	124	449	72,792	5,076	1,408	16,700	7,411	701	3,858	3,088	*
Diseases of the skin and subcutaneous tissue	71,119	751	1,657	936	1,019	846	95	290	42,367	3,764	992	9,689	3,792	297	2,854	1,770	0
Diseases of the musculoskeletal system	132,851	1,166	3,485	1,577	1,226	1,289	155	388	80,127	5,831	1,467	19,970	7,480	640	4,602	3,447	*
Symptoms signs and ill-defined conditions	499,020	2,062	9,667	6,866	4,543	4,065	546	1,095	307,490	19,687	5,969	73,602	28,166	4,116	19,638	11,498	10
Injury and poisoning	410,597	3,856	10,631	8,058	5,082	3,741	364	1,397	237,148	17,062	6,899	61,264	23,615	3,187	17,744	10,536	13
Fractures, all sites	54,160	532	1,571	996	652	499	64	188	30,756	2,334	936	8,271	3,001	448	2,561	1,348	*
Sprains	77,285	862	1,848	1,502	1,097	691	65	238	43,112	3,563	1,387	11,888	4,945	578	3,677	1,831	*
Intracranial	11,169	106	273	296	187	75	12	28	6,110	471	315	1,533	813	62	577	310	*
Open wounds	81,654	784	2,235	1,700	929	791	57	262	47,681	3,296	1,277	12,451	4,143	649	3,485	1,912	*
Superficial	20,799	232	560	369	280	237	11	65	12,048	820	377	3,081	1,111	207	803	598	0
Contusions	56,790	639	1,861	1,335	985	483	33	281	31,221	2,846	1,031	7,559	3,562	557	2,643	1,753	*
Foreign bodies	9,783	69	265	159	91	105	13	27	5,742	406	154	1,407	564	78	416	287	0
Burns	2,670†	42	70	54	29	35	*	10	1,555	103	36	388	138	20	114	70	0
Trauma complications and unspecified injuries	41,700	167	471	668	184	289	32	61	27,016	977	463	6,910	2,106	133	1,422	798	*
Poisonings	18,436	136	490	286	249	245	28	79	11,040	654	301	2,561	1,151	148	598	469	*
Surgical and medical complications	11,479	69	319	168	132	97	19	68	6,540	564	191	1,693	699	71	516	333	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Based on first-listed diagnosis.

TABLE 7C-2
NUMBER OF EMERGENCY ROOM VISITS FOR THE LEADING DIAGNOSIS GROUPS[a] AND COUNTY OF RESIDENCE, ARIZONA, 2013

Leading diagnosis	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
Total, all visits	1,989,183	18,715	47,872	33,026	22,048	18,509	2,168	6,793	1,179,801	87,085	29,589	289,047	113,237	13,335	76,792	51,112	54
Abdominal pain	122,717	400	2,006	1,614	896	922	153	220	76,894	4,199	1,322	18,796	7,279	993	4,586	2,437	0
Chest pain	99,068	455	2,246	1,042	850	753	96	266	60,703	3,585	1,233	14,727	6,093	562	3,907	2,549	*
Acute upper respiratory infection, excluding pharyngitis	92,803	1,390	1,973	1,492	1,137	1,237	112	278	57,645	4,446	1,229	10,975	5,225	392	3,092	2,178	*
Mental disorders	69,599	593	1,481	2,690	680	611	84	258	35,830	3,157	1,204	13,827	3,692	465	3,013	2,000	14
Spinal disorders	61,714	516	1,486	639	510	594	60	201	37,076	2,701	700	9,101	3,676	317	2,362	1,774	*
Contusion with intact skin surface	56,790	639	1,861	1,335	985	483	33	281	31,221	2,846	1,031	7,559	3,562	557	2,643	1,753	*
Open wound, excluding head	46,602	497	1,396	1,006	584	492	34	173	26,538	2,043	751	6,997	2,388	363	2,270	1,069	*
Cellulitis and abscess	42,263	378	1,000	470	738	529	60	199	24,840	2,461	578	5,816	2,332	168	1,820	874	0
Nausea, vomiting	40,148	109	801	710	462	481	34	63	24,894	1,971	476	5,027	2,152	469	1,521	978	0
Urinary tract infection, site not specified	39,596	613	1,193	387	380	409	30	219	23,837	1,939	459	4,890	2,630	256	1,257	1,096	*
Headache	38,342	200	572	486	322	352	54	62	24,304	1,386	387	5,625	2,071	300	1,307	914	0
Open wound of head	35,052	287	839	694	345	299	23	89	21,143	1,253	526	5,454	1,755	286	1,215	843	*
Rheumatism, excluding back	33,335	216	937	437	335	262	42	93	20,164	1,306	382	5,254	1,865	157	1,011	874	0
Sprains and strains of neck and back	32,374	256	530	583	436	195	25	72	18,679	1,281	569	5,353	2,142	211	1,368	674	0
Sprains and strains, excluding ankle and back	31,206	439	842	593	412	336	31	117	17,090	1,602	592	4,458	1,999	234	1,618	842	*
Otitis media and eustachian tube disorders	30,709	556	767	366	397	332	23	137	19,148	1,352	524	3,645	1,650	179	972	661	0
Asthma	26,034	285	550	296	224	179	10	98	17,102	861	338	2,881	1,394	113	794	909	0
Fever	25,634	72	410	402	127	173	22	38	17,754	693	206	3,150	1,076	315	781	415	0
Superficial injuries	20,799	232	560	369	280	237	11	65	12,048	820	377	3,081	1,111	207	803	598	0
Acute pharyngitis	20,792	920	465	380	333	284	18	103	11,685	1,194	393	2,585	848	76	985	523	0
Gastroenteritis and colitis	20,251	323	498	194	94	100	13	94	12,763	625	262	3,045	1,261	78	432	469	0
Pneumonia	18,772	170	562	204	232	241	37	77	10,899	758	343	2,661	1,116	134	877	461	0
Chronic and unspecified bronchitis	18,704	291	632	215	415	121	22	194	9,025	1,183	462	2,954	1,487	130	1,073	500	0
Migraine	16,544	128	608	199	229	76	19	70	9,750	583	217	2,283	1,137	110	529	606	0
Heart disease, excluding ischemic	16,068	115	550	185	242	146	23	117	8,974	740	313	2,137	996	150	933	447	0
Unspecified viral and chlamydial infection	10,264	137	305	340	116	39	6	26	5,505	411	341	1,706	424	132	252	524	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Based on first-listed diagnosis.

7D

Injury-related Inpatient Discharges and Emergency Room Visits by Intent and Mechanism of Injury by County of Residence

TABLE 7D-1
INPATIENT DISCHARGES[a] BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY COUNTY OF RESIDENCE, ARIZONA, 2013

Intent/mechanism of injury	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
UNINTENTIONAL INJURY	54,089	498	1,164	955	615	337	54	161	32,089	1,875	951	8,639	2,875	262	2,303	1,310	*
Falls	25,762	188	637	423	319	138	18	74	14,972	945	392	4,322	1,216	138	1,332	648	0
Motor vehicle accidents	6,244	91	91	109	64	40	10	28	4,129	89	129	718	355	22	201	168	0
Accidental poisoning by drugs, medicinal substances, gases and vapors	3,850†	22	52	70	36	12	*	9	2,281	215	62	699	196	12	144	39	0
Natural and environmental factors	2,450†	26	48	51	28	25	*	11	1,494	79	49	327	157	10	74	64	0
Exposure to excessive natural heat	410†	*	6	*	*	*	0	*	278	30	*	30	32	*	*	17	0
Fire and flames	470†	7	12	7	*	10	*	*	299	6	13	49	27	*	13	18	0
Machinery	240†	0	0	7	*	*	0	*	164	*	*	16	17	*	10	10	0
SUICIDE	4,370†	33	45	118	34	23	6	*	2,665	157	86	761	235	12	141	53	0
ASSAULT	2,830†	84	29	64	50	86	*	9	1,638	30	176	383	181	9	41	49	0
INJURIES OF UNDETERMINED INTENT	1,550†	7	111	13	9	36	6	*	599	44	22	581	60	8	30	22	0
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	83,544	507	1,539	1,078	1,064	390	89	265	50,870	3,441	1,253	12,399	5,599	452	3,167	1,431	0
Misadventures to patients	1,690†	9	61	32	23	8	*	8	873	64	41	298	134	15	90	32	0
Surgical and medical procedures as the cause of adverse reaction	42,850	298	892	579	519	234	59	162	25,569	1,658	685	6,435	3,039	258	1,577	886	0
Drugs causing adverse effects	39,004	200	586	467	522	148	28	95	24,428	1,719	527	5,666	2,426	179	1,500	513	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Based on supplementary classification of external causes of injury and poisoning (E-codes); see Table 4D-1 for more information.

TABLE 7D-2
EMERGENCY ROOM VISITS[a] BY INTENT AND MECHANISM OF EXTERNAL CAUSES AND COUNTY OF RESIDENCE, ARIZONA, 2013

Intent/mechanism of injury	Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma	Unknown
UNINTENTIONAL INJURIES	421,363	3,807	11,189	8,287	5,245	3,709	363	1,343	243,109	17,450	6,681	63,995	23,600	3,245	18,003	11,326	11
Falls	139,060	1,096	3,891	2,695	1,670	1,043	110	434	80,424	5,793	2,129	21,432	6,927	1,152	6,601	3,658	*
Motor vehicle traffic	47,489	296	770	873	365	277	36	89	29,429	1,196	573	7,829	2,663	288	1,424	1,381	0
Struck against or struck accidentally by objects or person	46,949	456	1,298	795	642	460	39	115	27,428	2,074	717	6,757	2,698	409	1,917	1,143	*
Overexertion	37,349	421	936	744	507	340	31	132	21,067	1,580	654	5,874	2,076	241	1,828	917	*
Cutting or piercing instruments or objects	27,696	330	903	647	349	304	18	113	15,970	1,097	464	4,066	1,204	228	1,326	677	0
Natural and environmental factors	25,929	286	688	417	390	312	22	122	15,303	1,039	336	3,485	1,577	273	935	743	*
Exposure to excessive natural heat	1,700†	*	21	13	10	16	0	22	1,028	106	10	129	141	*	21	172	0
Poisoning by drugs, medicinal substances, biologicals, gases, and vapors	7,336	64	153	151	85	51	7	30	4,148	419	96	1,149	423	45	257	258	0
Fire and flames	3,138	41	100	63	23	45	10	13	1,777	142	43	466	169	31	117	98	0
Machinery	1,240†	10	58	31	22	18	*	*	619	73	9	191	76	16	73	39	0
Pedal cycle, nontraffic and other	6,930†	40	170	238	75	47	*	9	4,115	238	78	1,108	328	38	279	165	0
Motor vehicle, nontraffic	1,420†	8	45	27	12	36	*	15	679	105	29	190	110	*	75	81	0
Foreign body accidentally entering eye or other orifice	10,848	89	297	179	105	117	15	31	6,341	407	165	1,632	623	81	466	300	0
Suffocation	250†	0	*	*	*	*	0	0	127	10	*	41	18	12	19	8	0
Firearm missile	740†	*	23	11	11	19	*	*	395	29	12	115	60	6	29	22	*
Drowning/submersion	220†	*	0	*	*	*	0	*	137	9	*	25	15	*	*	14	0
SELF-INFLICTED (SUICIDE)	7,837	59	183	180	78	78	13	16	4,475	302	145	1,276	487	23	353	168	*
ASSAULT	19,239	359	383	578	217	289	20	58	10,611	645	545	3,529	1,025	94	460	424	*
INJURIES OF UNDETERMINED INTENT	2,551	47	311	70	34	42	7	8	1,160	70	152	412	83	16	82	56	*
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	31,512	225	882	479	377	278	38	171	18,411	1,617	448	4,234	1,755	189	1,385	1,023	0
Misadventures to patients	120†	0	*	*	*	*	*	*	65	*	*	15	14	0	8	*	0
Surgical and medical procedures as the cause of adverse reaction	14,982	79	426	197	143	124	23	77	8,763	721	252	2,103	865	81	657	471	0
Drugs causing adverse effects	16,411	146	455	279	233	153	14	93	9,583	893	195	2,116	876	108	720	547	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Based on supplementary classification of external causes of injury and poisoning (E-codes). See Table 4D-2 for more information.

CHAPTER 8

HISTORICAL SUMMARY OF SELECTED VITAL EVENTS BY YEAR AND COUNTY, ARIZONA, 1960-2002

8A. NUMBER OF BIRTHS AND BIRTH RATES BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1960-2002

8B. NUMBER OF DEATHS AND DEATH RATES BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1960-2002

8C. NUMBER OF INFANT DEATHS AND INFANT MORTALITY RATES BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1960-2002

8D. NUMBER OF MARRIAGES AND MARRIAGE RATES BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1960-2002

8E. NUMBER OF DISSOLUTIONS OF MARRIAGE AND DISSOLUTION OF MARRIAGE RATES BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1960-2002

TABLE 8A-1
NUMBER OF BIRTHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1960-2002

Year	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[a]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa	Yavapai	Yuma
1960	36,655	1,479	1,651	1,452	744	334	255		17,789	184	1,443	7,131	1,943	345	630	1,275
1961	37,378	1,489	1,657	1,546	795	368	252		18,447	216	1,468	6,879	1,972	328	591	1,370
1962	37,785	1,565	1,603	1,603	740	409	260		18,519	224	1,577	7,170	1,902	309	572	1,332
1963	36,986	1,488	1,471	1,574	785	404	233		18,164	242	1,591	7,146	1,750	336	527	1,275
1964	36,169	1,585	1,576	1,491	781	377	214		18,035	318	1,584	6,462	1,597	325	527	1,287
1965	33,762	1,510	1,344	1,443	755	333	170		16,700	319	1,528	6,101	1,573	285	488	1,213
1966	32,326	1,405	1,288	1,323	733	304	174		16,377	332	1,441	5,456	1,447	274	507	1,265
1967	33,279	1,407	1,264	1,329	665	329	188		16,486	353	1,388	5,520	1,289	307	434	1,320
1968	32,486	1,357	1,273	1,277	598	289	174		16,796	352	1,403	5,647	1,332	278	459	1,251
1969	34,215	1,341	1,265	1,240	681	317	215		17,849	399	1,373	6,063	1,420	276	495	1,281
1970	37,591	1,369	1,352	1,407	693	371	232		19,695	465	1,484	6,735	1,555	297	543	1,393
1971	38,521	1,371	1,542	1,415	719	363	304		19,693	465	1,472	7,096	1,650	320	565	1,526
1972	37,501	1,448	1,525	1,361	624	383	227		19,005	443	1,411	7,062	1,603	325	649	1,435
1973	38,025	1,345	1,544	1,439	648	363	281		19,513	478	1,454	6,897	1,638	380	590	1,455
1974	39,906	1,395	1,486	1,453	709	388	278		20,585	518	1,494	7,329	1,759	353	625	1,534
1975	39,543	1,434	1,505	1,477	666	424	297		19,987	545	1,631	7,264	1,712	361	631	1,609
1976	40,028	1,585	1,394	1,502	644	429	269		20,179	591	1,665	7,363	1,636	390	732	1,649
1977	41,827	1,543	1,517	1,525	682	481	301		21,232	646	1,722	7,700	1,644	401	798	1,635
1978	43,058	1,625	1,564	1,620	652	423	257		22,386	644	1,713	7,659	1,699	440	782	1,604
1979	46,549	1,529	1,506	1,635	709	479	263		25,000	723	1,791	8,138	1,655	461	892	1,768
1980	50,049	1,627	1,570	1,824	705	512	272		26,769	871	1,899	8,931	1,840	499	937	1,793
1981	51,620	1,681	1,646	1,733	760	509	299		27,800	886	1,816	9,130	1,899	519	998	1,944
1982	52,628	1,845	1,555	1,768	810	468	256		28,598	886	1,883	9,155	1,945	491	1,067	1,901
1983	52,919	1,787	1,565	1,808	683	435	185	236	28,758	926	1,911	9,585	1,869	457	1,032	1,682
1984	55,109	1,817	1,618	1,813	672	446	195	195	30,711	988	1,864	9,678	1,849	512	999	1,752
1985	59,344	1,853	1,559	1,946	642	406	161	234	33,780	968	1,895	10,278	2,049	523	1,088	1,962
1986	60,822	1,757	1,524	1,828	625	395	106	215	35,334	1,065	1,896	10,423	2,053	504	1,129	1,968
1987	63,320	1,852	1,606	2,006	569	445	124	198	36,624	1,177	1,981	10,924	2,126	547	1,171	1,970
1988	65,544	1,892	1,638	1,966	659	418	111	214	38,108	1,225	1,957	11,217	2,094	665	1,285	2,095
1989	67,128	1,781	1,730	2,040	651	448	104	217	39,179	1,353	1,993	11,257	2,097	700	1,244	2,334
1990	68,814	1,800	1,738	1,965	749	424	105	162	40,414	1,488	1,972	11,412	2,133	784	1,220	2,448
1991	68,040	1,737	1,623	1,951	640	442	154	184	39,907	1,558	1,873	11,307	2,117	775	1,227	2,545
1992	68,675	1,618	1,742	1,876	697	437	136	169	40,077	1,513	1,844	11,522	2,051	907	1,294	2,792
1993	69,037	1,608	1,661	1,842	662	449	160	221	40,392	1,752	1,849	11,301	2,066	810	1,330	2,934
1994	70,896	1,469	1,702	1,732	673	417	150	222	42,313	1,863	1,790	11,370	2,041	768	1,377	3,009
1995	72,386	1,332	1,755	1,762	684	397	157	191	44,020	1,841	1,653	11,202	2,029	788	1,532	3,042
1996	75,094	1,282	1,726	1,857	671	471	164	152	46,529	1,816	1,702	11,288	2,110	797	1,576	2,952
1997	75,563	1,327	1,650	1,802	665	491	166	200	47,127	1,763	1,656	11,372	2,150	778	1,546	2,861
1998	77,940	1,289	1,633	1,755	711	488	141	169	49,324	1,678	1,769	11,455	2,231	773	1,693	2,815
1999	80,505	1,104	1,668	1,804	672	476	141	135	51,503	1,745	1,751	11,866	2,401	754	1,627	2,841
2000	84,985	1,290	1,737	1,858	676	459	108	184	54,470	1,783	1,682	12,512	2,607	798	1,758	3,007
2001	85,213	1,074	1,637	1,873	649	443	95	185	55,624	1,819	1,573	12,140	2,555	759	1,744	3,000
2002	87,379	1,113	1,711	1,867	696	487	97	230	56,614	1,983	1,634	12,461	2,705	762	1,918	3,071

Notes: [a] Included in Yuma County prior to 1983; The number of births by county of residence for 2003-2013 are in Table 5B-3.

TABLE 8A-2
BIRTH RATES[a] BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1960-2002

Year	U.S.	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[b]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1960	23.7	28.1	48.6	30.0	34.7	28.9	23.8	22.2		26.8	23.8	38.0	26.8	31.0	31.9	21.8	27.6
1961	23.3	26.6	47.7	30.0	33.3	30.5	25.6	21.9		24.9	24.0	37.6	24.6	31.0	29.3	19.4	28.0
1962	22.4	25.7	48.8	29.9	32.4	27.5	27.6	22.4		23.9	21.5	38.8	24.0	29.6	24.7	18.2	26.9
1963	21.7	24.3	45.2	26.8	31.7	29.0	26.9	21.0		22.5	20.7	38.2	23.2	27.1	25.8	16.5	24.8
1964	21.0	23.2	47.5	27.9	29.6	28.4	24.6	19.8		21.7	24.5	37.0	20.8	24.9	24.6	16.6	23.9
1965	19.4	21.2	44.2	23.9	29.1	27.0	21.2	16.2		19.6	21.1	34.7	19.5	24.7	21.1	15.0	21.7
1966	18.4	20.0	20.7	22.5	26.6	25.7	19.2	16.6		18.8	19.6	32.5	17.2	22.4	20.0	15.3	22.2
1967	17.8	19.6	20.4	21.8	26.6	23.2	20.7	18.1		18.5	19.0	31.0	17.0	19.7	22.1	12.8	22.9
1968	17.5	19.3	39.2	21.6	26.1	20.8	18.0	16.9		18.4	17.2	31.1	17.0	20.1	20.1	13.4	21.4
1969	17.8	19.7	39.2	20.9	25.7	23.6	19.6	21.1		18.9	16.2	29.5	17.6	21.1	20.1	13.8	21.4
1970	18.4	21.2	42.4	21.8	29.1	23.7	22.4	22.5		20.3	18.0	31.2	19.2	22.7	21.3	14.7	22.9
1971	17.2	20.6	39.1	23.4	27.0	23.7	21.2	27.6		19.4	16.5	28.9	19.0	22.5	23.1	14.2	24.0
1972	15.6	19.1	39.9	22.1	24.1	20.3	22.3	20.6		17.8	14.7	27.2	17.9	21.1	21.1	14.9	22.1
1973	14.9	18.3	34.6	21.3	23.9	20.3	19.7	24.6		17.3	14.3	27.1	16.6	20.3	23.2	12.6	21.9
1974	15.0	18.5	35.2	20.2	23.1	21.7	19.9	23.2		17.4	14.7	26.4	17.2	20.8	20.5	12.8	22.4
1975	14.6	17.8	35.0	20.3	22.6	20.5	21.0	25.0		16.4	14.6	28.1	16.5	19.5	20.9	12.9	22.9
1976	14.6	17.6	36.2	18.5	22.1	19.6	21.2	23.4		16.2	15.0	27.2	16.2	18.9	23.2	14.8	24.3
1977	15.1	17.8	34.6	19.8	22.6	20.4	23.5	26.9		16.5	15.3	27.6	16.6	18.3	22.0	14.0	21.8
1978	15.0	17.4	33.0	20.0	21.3	18.5	20.6	22.3		16.4	14.6	24.1	15.9	19.4	23.0	13.0	21.2
1979	15.6	17.7	31.1	18.3	20.1	19.8	22.0	22.3		17.2	14.7	24.3	15.6	18.1	23.5	14.5	22.6
1980	15.9	18.4	31.2	18.1	24.3	19.0	22.4	23.8		17.8	15.6	28.1	16.8	20.2	24.4	13.8	19.8
1981	15.8	18.4	32.0	18.5	21.6	20.2	21.9	24.7		17.9	15.6	26.2	16.6	20.3	24.5	14.3	21.3
1982	15.9	18.2	33.1	17.3	21.2	21.2	19.6	19.5		17.8	15.5	26.6	16.1	20.5	22.3	14.8	20.0
1983	15.5	18.0	31.4	17.2	22.2	17.5	18.0	15.4	17.3	17.6	15.5	26.5	16.5	19.3	20.6	14.0	20.1
1984	15.5	17.9	34.9	17.7	22.0	17.7	18.6	17.1	14.5	17.7	15.2	26.3	16.0	18.8	22.8	12.3	20.4
1985	15.8	18.6	32.9	16.2	22.6	16.8	17.4	18.5	16.3	18.8	13.3	26.2	16.5	20.5	19.3	12.4	21.8
1986	15.5	18.1	29.0	15.6	20.5	15.7	16.1	11.1	15.2	18.5	13.8	25.6	16.2	19.8	18.3	12.3	22.4
1987	15.7	18.3	29.7	16.0	21.8	14.2	18.0	12.9	14.0	18.4	14.8	26.2	15.6	19.8	18.7	12.3	22.0
1988	15.9	18.2	29.4	16.0	20.7	16.3	17.0	11.6	15.0	18.4	15.0	25.2	16.4	19.0	22.1	13.1	22.9
1989	16.2	18.0	26.8	16.5	20.9	15.9	17.9	11.0	15.0	18.2	16.2	25.1	15.8	18.5	22.6	12.3	25.0
1990	16.7	18.8	29.2	17.8	20.3	18.6	16.0	13.1	11.7	19.0	15.9	25.4	17.1	18.3	26.4	11.3	22.9
1991	16.3	18.1	27.8	16.3	19.7	15.8	16.3	19.9	13.1	18.3	15.8	23.8	16.6	17.8	25.0	11.0	23.0
1992	15.9	17.8	25.7	17.2	18.5	16.7	15.8	16.3	11.4	17.9	14.3	22.9	16.5	16.7	29.2	11.3	24.7
1993	15.5	17.5	25.1	16.2	17.8	15.7	15.9	18.9	14.7	17.7	16.0	22.6	15.8	16.6	25.5	11.3	19.3
1994	15.2	17.6	22.6	16.3	16.3	15.8	14.6	17.5	14.5	18.1	16.5	21.6	15.5	16.1	23.6	11.4	25.5
1995	14.9	17.3	20.8	16.0	16.1	15.4	12.7	18.5	11.6	18.2	14.6	20.0	15.0	14.9	23.8	12.0	24.7
1996	14.8	16.8	19.9	15.0	16.4	14.8	15.1	19.0	8.4	17.7	14.2	20.2	14.5	14.6	22.7	11.7	23.6
1997	14.2	16.4	20.3	14.1	15.5	14.4	15.2	19.0	10.7	17.3	13.3	19.4	14.2	14.5	21.7	11.1	22.3
1998	14.3	16.5	19.5	13.8	14.8	15.1	14.7	16.0	8.8	17.6	12.2	20.4	14.0	14.6	21.1	11.8	21.4
1999	14.2	16.3	16.5	13.4	14.7	13.4	13.3	15.3	7.0	17.7	11.7	18.7	14.0	14.5	19.3	10.4	20.3
2000	14.4	16.6	18.6	14.8	16.0	13.2	13.7	12.6	9.3	17.7	11.5	17.3	14.8	14.5	20.8	10.5	18.8
2001	14.1	16.1	15.7	13.7	15.9	12.6	13.3	11.4	9.4	17.4	11.2	15.7	14.1	13.5	19.2	9.9	18.2
2002	13.9	16.0	15.9	13.8	14.9	13.1	14.3	11.3	11.3	17.2	11.9	16.1	14.0	14.1	19.1	10.6	18.1

Notes: [a] Number of births per 1,000 population; [b] Included in Yuma County prior to 1983; The birth rates by county of residence for 2003-2013 are in Table 5B-2.

TABLE 8B-1
NUMBER OF DEATHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1960-2002

Year	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[a]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1960	10,067	266	428	267	253	123	71		5,011	97	273	2,058	474	78	348	320
1961	10,545	242	423	273	284	140	78		5,229	105	296	2,167	513	76	394	325
1962	11,129	264	441	255	273	107	81		5,539	99	290	2,363	511	86	446	374
1963	11,831	275	449	253	299	122	65		5,954	109	329	2,546	537	95	404	394
1964	12,012	281	460	275	283	157	63		6,168	122	298	2,463	537	72	422	411
1965	11,950	263	420	267	284	137	69		6,186	133	293	2,430	508	101	440	419
1966	12,758	267	451	289	262	121	76		6,635	142	305	2,617	540	102	481	470
1967	12,776	268	447	253	264	126	65		6,668	140	306	2,750	494	87	445	463
1968	13,681	279	486	273	257	140	67		7,156	201	303	2,928	511	102	519	459
1969	13,959	258	455	248	277	129	56		7,488	204	334	2,866	536	112	493	503
1970	14,857	266	511	288	282	149	77		7,895	238	341	3,062	548	90	555	555
1971	15,671	312	476	297	332	153	72		8,218	279	405	3,265	625	97	573	567
1972	15,809	300	538	292	290	142	64		8,289	291	359	3,345	629	118	606	546
1973	16,844	377	499	310	303	166	81		8,939	353	383	3,459	661	134	627	552
1974	17,031	320	517	302	330	177	84		9,240	355	355	3,508	608	113	566	556
1975	16,964	316	512	278	284	174	74		9,147	406	355	3,511	579	120	647	561
1976	17,302	335	503	285	336	133	66		9,429	421	494	3,489	628	127	631	522
1977	17,993	325	545	320	334	157	61		9,972	435	379	3,479	638	123	668	557
1978	19,097	355	534	306	340	150	56		10,614	491	365	3,708	692	117	732	637
1979	19,648	314	595	319	377	174	60		10,919	442	437	3,832	708	135	724	612
1980	21,226	302	631	309	330	171	86		11,769	549	415	4,311	731	121	801	700
1981	21,318	302	628	308	337	184	52		11,923	548	415	4,253	745	125	813	685
1982	21,951	317	644	339	417	164	73		12,214	612	400	4,279	741	135	878	738
1983	22,482	294	712	320	385	194	61	140	12,433	593	406	4,506	782	131	961	574
1984	23,785	306	664	341	396	175	66	154	13,398	607	428	4,734	814	150	964	588
1985	24,577	330	687	379	381	169	47	136	13,661	753	460	4,865	785	148	1,057	719
1986	25,409	335	662	383	399	189	50	128	14,106	795	484	5,090	942	147	1,032	667
1987	26,670	343	764	392	408	193	67	151	14,746	877	462	5,295	922	159	1,213	678
1988	27,511	329	748	404	413	197	64	157	15,217	972	471	5,362	1,019	193	1,217	748
1989	27,838	344	748	386	426	216	49	144	15,495	995	506	5,324	1,066	172	1,254	713
1990	28,471	391	797	397	462	220	58	132	15,805	1,070	521	5,571	1,004	139	1,218	686
1991	29,173	389	801	413	491	228	64	169	16,048	1,112	465	5,738	1,051	181	1,293	730
1992	30,814	406	806	439	488	237	47	171	17,085	1,183	556	5,952	1,059	167	1,410	723
1993	33,295	397	885	465	537	217	78	142	18,310	1,330	628	6,398	1,088	199	1,491	846
1994	34,282	369	836	451	500	229	50	159	19,001	1,390	598	6,648	1,220	187	1,520	820
1995	35,428	380	919	526	586	259	65	186	19,340	1,464	580	6,689	1,323	188	1,693	888
1996	36,579	459	936	474	540	274	59	183	20,339	1,441	658	6,876	1,275	180	1,661	863
1997	37,151	390	977	464	580	234	59	170	20,327	1,639	658	6,995	1,345	213	1,804	913
1998	38,395	418	1,027	542	624	269	67	207	21,041	1,807	611	6,993	1,452	215	1,876	922
1999	39,673	436	1,005	486	636	290	67	165	22,348	1,752	682	7,229	1,426	197	1,899	928
2000	40,202	453	1,067	501	578	244	73	185	22,600	1,917	656	7,329	1,541	204	1,897	946
2001	40,851	479	1,087	548	637	256	45	171	22,790	1,915	677	7,460	1,513	203	1,927	1,004
2002	42,320	448	1,078	592	658	262	63	217	23,490	2,047	692	7,691	1,672	237	2,036	1,122

Notes: [a] Included in Yuma County prior to 1983; The number of deaths by county of residence for 2003-2013 are in Table 5E-1.

TABLE 8B-2
DEATH RATES[a] BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1960-2002

Year	U.S.	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[b]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1960	9.5	7.7	8.7	7.8	6.4	9.8	8.8	6.2		7.6	12.5	7.2	7.7	7.6	7.2	12.0	6.9
1961	9.3	7.5	7.8	7.7	5.9	10.9	9.7	6.8		7.1	11.7	7.6	7.7	8.1	6.8	13.0	6.6
1962	9.5	7.6	8.2	8.2	5.2	10.3	7.2	7.0		7.1	9.5	7.1	7.9	8.0	6.9	14.2	7.6
1963	9.6	7.8	8.4	8.2	5.1	11.0	8.1	5.9		7.4	9.3	7.9	8.3	8.3	7.3	12.6	7.7
1964	9.4	7.7	8.4	8.1	5.5	10.3	10.3	5.8		7.4	9.4	7.0	7.9	8.4	5.5	3.1	7.6
1965	9.4	7.5	7.7	7.5	5.4	10.1	8.7	6.6		7.3	8.8	6.7	7.8	8.0	7.5	13.5	7.5
1966	9.5	7.9	7.7	7.9	5.8	9.2	7.7	7.2		7.6	8.4	6.9	8.2	8.4	7.4	14.5	8.3
1967	9.4	7.8	7.7	7.7	5.1	9.2	7.9	6.3		7.5	7.5	6.8	8.5	7.6	6.3	13.2	8.0
1968	9.7	8.1	8.1	8.3	5.6	8.9	8.7	6.7		7.8	9.8	6.7	8.8	7.7	7.4	15.2	7.8
1969	9.5	8.0	7.5	7.5	5.1	9.6	8.0	5.5		7.9	8.3	7.2	8.3	8.0	8.2	13.8	8.4
1970	9.4	8.4	8.2	8.3	6.0	9.6	9.0	7.5		8.1	9.2	7.2	8.7	8.0	6.4	15.0	9.1
1971	9.3	8.4	8.9	7.2	5.7	10.9	8.9	6.5		8.1	9.9	8.0	8.8	8.5	6.6	14.4	8.9
1972	9.4	8.1	8.3	7.8	5.2	9.4	8.3	5.8		7.8	9.7	6.9	8.5	8.3	7.7	13.9	8.4
1973	9.4	8.1	9.7	6.9	5.2	9.5	9.0	7.1		7.9	10.5	7.1	8.3	8.2	8.2	13.4	8.3
1974	9.1	7.9	8.1	7.0	4.8	10.1	9.1	7.0		7.8	10.1	6.3	8.2	7.2	6.6	11.6	8.1
1975	8.8	7.6	7.7	6.9	4.3	8.7	8.6	6.2		7.5	10.9	6.1	8.0	6.6	6.9	13.2	8.0
1976	8.8	7.6	7.7	6.7	4.2	10.2	6.6	5.7		7.6	10.7	6.4	7.7	7.2	7.6	12.7	7.7
1977	8.6	7.7	7.3	7.1	4.7	10.0	7.7	5.4		7.7	10.3	6.1	7.5	7.1	6.8	11.7	7.4
1978	8.7	7.7	7.2	6.8	4.0	9.8	7.3	4.9		7.8	11.1	5.1	7.7	7.9	6.1	12.2	8.4
1979	8.5	7.5	6.4	7.2	3.9	10.5	8.0	5.1		7.5	9.0	5.9	7.4	7.7	6.9	11.7	7.8
1980	8.8	7.8	5.8	7.3	4.1	8.9	7.5	7.5		7.8	9.8	6.1	8.1	8.0	5.9	11.8	7.7
1981	8.6	7.6	5.8	7.1	3.8	8.9	7.9	4.3		7.7	9.7	6.0	7.7	8.0	5.9	11.7	7.5
1982	8.5	7.6	5.7	7.2	4.1	10.9	6.9	5.6		7.6	10.7	5.7	7.5	7.8	6.1	12.2	7.8
1983	8.6	7.7	5.2	7.8	3.9	9.9	7.6	5.1	10.8	7.6	9.9	5.6	7.7	8.1	5.9	13.1	7.1
1984	8.6	7.7	5.9	7.3	4.1	10.5	7.3	5.8	11.4	7.7	9.3	6.0	7.8	8.3	6.7	11.9	6.9
1985	8.7	7.7	5.9	7.1	4.4	10.0	7.2	5.4	9.4	7.6	10.4	6.4	7.8	7.8	5.5	12.0	8.0
1986	8.8	7.6	5.9	6.8	4.3	10.0	7.7	5.2	9.1	7.4	10.3	6.5	7.9	9.1	5.3	11.3	7.6
1987	8.8	7.7	5.5	7.6	4.3	10.0	7.4	6.9	10.1	7.4	11.1	6.1	8.0	8.6	5.5	12.8	7.6
1988	8.9	7.7	5.1	7.3	4.3	10.2	8.0	6.7	11.0	7.4	11.9	6.1	7.8	9.2	6.4	12.4	8.2
1989	8.7	7.5	5.2	7.2	4.0	10.4	8.6	5.2	9.7	7.2	11.9	6.4	7.5	9.4	5.6	12.4	7.6
1990	8.6	7.8	6.3	8.2	4.1	11.5	8.3	7.2	9.5	7.4	11.4	7.6	8.4	8.6	4.7	11.3	6.4
1991	8.6	7.8	6.2	8.1	4.2	12.1	8.4	8.3	12.1	7.4	11.2	6.0	8.4	8.8	5.8	11.6	6.6
1992	8.5	8.0	6.5	8.0	4.3	11.7	8.6	5.6	11.5	7.6	11.2	6.9	8.5	8.6	5.4	12.4	6.4
1993	8.8	8.4	6.2	8.6	4.5	12.7	7.7	9.2	9.4	8.0	12.6	7.7	8.9	8.7	6.3	12.7	7.3
1994	8.8	8.5	5.7	8.0	4.3	11.8	8.0	5.5	10.3	8.1	12.3	7.2	9.1	9.6	5.7	12.6	6.4
1995	8.8	8.5	5.9	8.4	4.8	13.2	8.3	7.6	11.3	8.0	11.6	7.0	9.0	9.7	5.7	13.3	7.2
1996	8.8	8.2	7.1	8.1	4.1	12.0	8.8	6.8	10.0	7.7	11.3	7.8	8.8	8.8	5.1	12.3	6.9
1997	8.5	8.1	6.0	8.4	4.0	12.6	7.3	6.8	9.1	7.6	12.4	7.7	8.8	9.0	5.9	12.9	7.1
1998	8.5	8.1	6.3	8.7	4.6	13.3	8.1	7.6	10.7	7.5	13.1	7.1	8.6	9.5	5.9	13.0	7.0
1999	8.6	8.1	6.5	8.1	4.0	12.7	8.1	7.3	8.6	7.7	11.7	7.3	8.5	8.6	5.0	12.2	6.6
2000	8.5	7.8	6.5	9.1	4.3	11.3	7.3	8.5	9.4	7.4	12.4	6.7	8.7	8.6	5.3	11.3	5.9
2001	8.5	7.7	7.0	9,1	4.6	12.4	7.7	5.4	8.7	7.1	11.8	6.8	8.6	8.0	5.1	11.0	6.1
2002	8.5	7.7	6.4	8.7	4.7	12.4	7.7	7.3	10.7	7.1	12.3	6.8	8.6	8.7	5.9	11.3	6.6

Notes: [a] Number of deaths per 1,000 population (unadjusted for differences in the age composition); [b] Included in Yuma County prior to 1983; The death rates by county of residence for 2003-2013 are in Table 5E-4.

TABLE 8C-1
NUMBER OF INFANT DEATHS BY YEAR AND COUNTY OF RESIDENCE, ARIZONA, 1960-2002

Year	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[a]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa	Yavapai	Yuma
1960	1,170†	82	44	67	35	15	7		478	*	93	195	75	9	19	42
1961	1,170†	76	57	69	43	20	8		495	6	77	178	84	*	17	36
1962	1,100†	90	37	56	46	22	9		442	6	77	180	75	*	19	35
1963	1,070†	73	39	65	46	13	6		445	6	86	162	68	*	15	40
1964	952	55	31	65	38	17	7		402	8	68	147	60	7	13	34
1965	860†	49	44	64	37	10	*		349	10	69	112	48	6	15	38
1966	890†	60	32	60	17	6	*		389	12	70	121	52	*	19	40
1967	730†	51	28	51	20	15	*		335	7	38	117	24	6	6	31
1968	740†	63	33	52	15	10	*		323	12	51	100	31	7	12	30
1969	730†	36	29	31	11	10	*		352	10	42	132	31	10	9	22
1970	670†	36	19	39	11	9	9		305	*	43	120	36	*	8	27
1971	710†	25	22	34	25	*	6		330	10	53	113	39	*	11	37
1972	630†	34	26	35	17	*	*		282	*	30	117	35	*	16	19
1973	590†	40	28	25	11	*	*		285	*	32	86	32	9	12	16
1974	590†	30	24	35	14	7	*		316	7	37	79	22	*	*	15
1975	590†	27	24	32	11	8	7		289	6	33	81	31	*	8	25
1976	610†	26	27	28	17	9	*		285	11	40	95	31	*	9	29
1977	560†	21	18	32	11	9	*		282	11	36	68	28	*	19	18
1978	560†	29	21	22	9	7	0		307	11	27	72	20	*	12	23
1979	640†	33	25	34	10	*	*		344	8	32	83	23	*	11	21
1980	620†	23	19	20	12	8	*		358	18	27	72	17	*	11	26
1981	600†	25	22	20	*	14	*		333	8	29	84	17	*	15	22
1982	490†	21	14	16	13	*	*		265	11	18	76	19	*	10	16
1983	510†	20	20	22	*	*	0	8	266	9	23	88	17	*	11	14
1984	530†	25	23	16	*	7	*	*	272	8	18	96	27	*	11	12
1985	570†	22	15	21	*	*	*	6	319	7	26	94	18	*	9	19
1986	570†	16	8	18	8	*	*	0	340	11	12	94	27	*	13	12
1987	600†	16	11	15	*	*	0	*	368	10	31	84	19	7	11	18
1988	630†	10	14	22	7	*	*	*	382	15	21	104	15	7	13	16
1989	610†	13	12	18	*	*	0	*	362	23	31	81	23	8	12	20
1990	600†	15	13	22	*	*	0	*	359	17	23	93	17	8	8	17
1991	580†	14	17	19	14	*	0	*	333	9	14	98	21	*	18	14
1992	570†	19	10	14	7	*	0	0	342	16	23	89	17	*	9	14
1993	530†	15	16	19	*	*	*	*	317	13	13	80	11	*	11	15
1994	560†	13	15	14	6	*	*	*	333	13	13	88	22	*	10	14
1995	550†	14	22	10	*	*	*	*	324	14	18	88	15	*	12	14
1996	580†	7	13	17	6	8	*	0	361	20	17	74	12	*	13	17
1997	540†	8	10	17	7	*	0	*	345	17	12	70	21	*	8	9
1998	590†	10	13	17	*	*	*	*	358	19	21	75	22	*	18	21
1999	550†	11	12	*	6	*	*	*	366	14	15	64	18	*	8	18
2000	570†	16	11	16	6	*	0	*	356	16	11	76	25	*	12	16
2001	590†	8	12	6	*	*	*	*	371	12	10	92	21	*	14	25
2002	550†	6	13	13	8	6	*	*	361	9	7	90	16	*	9	8

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] Included in Yuma County prior to 1983; The number of infant deaths by county of residence for 2003-2013 are in Table 5E-16.

TABLE 8C-2
INFANT MORTALITY RATES[a] BY YEAR AND COUNTY OF RESIDENCE, ARIZONA 1960-2002

Year	U.S.	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[b]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1960	26.0	31.8	55.4	26.7	46.1	47.0	44.9	27.5		26.9	**	64.4	27.3	38.6	26.1	30.2	32.9
1961	25.3	31.3	51.0	34.4	44.6	54.1	54.3	31.7		26.8	27.8	52.5	25.9	42.6	**	28.8	26.3
1962	25.3	29.1	57.5	23.1	34.9	62.2	53.8	34.6		23.9	26.8	48.8	25.1	39.4	**	33.1	26.3
1963	25.2	28.9	49.1	26.5	41.3	58.6	32.2	25.8		24.5	24.8	54.1	22.7	38.9	**	28.5	21.4
1964	24.8	26.3	34.7	19.7	43.6	48.7	45.1	32.7		22.3	25.2	42.9	22.7	37.6	21.5	24.2	26.4
1965	24.7	25.3	32.5	32.7	44.4	49.0	30.0	**		20.9	31.3	45.2	18.4	30.5	21.1	30.7	31.3
1966	23.7	27.4	42.7	24.8	45.4	23.2	19.7	**		23.8	36.1	48.6	22.2	35.9	**	37.5	31.6
1967	22.4	22.6	36.2	22.2	38.4	30.1	45.6	**		20.3	19.8	27.4	21.2	18.6	19.5	13.8	23.5
1968	21.8	22.8	46.4	25.9	40.7	25.1	34.6	**		19.2	34.1	36.4	17.7	23.3	25.2	26.1	24.0
1969	20.7	21.3	26.8	22.9	25.0	16.2	31.5	**		19.7	25.1	30.6	21.8	21.8	36.2	18.2	17.2
1970	19.8	17.8	26.3	14.1	27.7	15.9	24.3	38.8		15.5	**	29.0	17.3	23.2	**	14.7	19.4
1971	19.2	18.4	18.2	14.3	24.0	34.8	**	19.7		16.8	21.5	36.9	15.9	23.6	**	19.5	24.2
1972	18.5	16.7	23.5	17.0	25.7	27.2	**	**		14.8	**	21.3	16.6	21.8	**	24.7	13.2
1973	17.7	15.4	29.7	18.1	17.4	17.0	**	**		14.6	**	22.0	12.5	19.5	23.7	20.3	11.0
1974	16.7	14.9	21.5	16.2	24.1	19.7	18.0	**		15.4	13.5	24.8	10.8	12.5	**	**	9.8
1975	16.1	14.8	18.8	15.9	21.6	16.5	18.8	23.5		14.4	11.0	20.2	11.1	18.1	**	12.6	15.5
1976	15.2	15.3	16.4	19.4	18.6	26.4	21.0	**		14.1	18.6	24.0	12.9	19.0	**	12.3	17.6
1977	14.1	13.4	13.6	11.9	21.0	16.1	18.7	**		13.3	17.0	20.9	8.8	17.0	**	23.8	11.0
1978	13.8	13.1	17.8	13.4	13.6	14.0	16.5	0.0		13.7	17.1	15.8	9.4	11.8	**	15.3	14.3
1979	13.1	13.6	21.6	16.6	20.8	14.1	**	**		13.8	11.1	17.9	10.2	13.9	**	12.3	11.9
1980	12.6	12.4	14.1	12.1	10.9	17.0	15.6	**		13.4	20.7	14.2	8.1	9.2	**	11.8	14.6
1981	11.9	11.6	14.9	13.4	11.5	**	27.5	**		12.0	9.0	16.0	9.2	9.0	**	15.0	11.3
1982	11.5	9.3	11.4	9.0	9.0	16.0	**	**		9.3	12.4	9.6	8.3	9.8	**	9.4	8.4
1983	11.2	9.6	11.2	12.8	12.2	**	**	0.0	33.9	9.2	9.7	12.0	9.2	9.1	**	10.7	8.3
1984	10.8	9.5	13.8	14.2	8.8	**	15.7	**	**	8.9	8.1	9.7	9.9	14.6	**	11.0	6.9
1985	10.6	9.6	11.9	9.6	10.8	**	**	**	25.6	9.4	7.2	13.7	9.1	8.8	**	8.3	9.7
1986	10.4	9.4	9.1	5.2	9.8	12.8	**	**	0.0	9.6	10.3	6.3	9.0	13.1	**	11.5	6.1
1987	10.0	9.4	8.6	6.8	7.5	**	**	0.0	**	10.0	8.5	15.6	7.7	8.9	12.8	9.4	9.1
1988	9.9	9.7	5.3	8.5	11.2	10.6	**	**	**	10.0	12.2	10.7	9.3	7.2	12.0	10.1	7.6
1989	9.7	9.1	7.3	6.9	8.8	**	**	0.0	**	9.2	17.0	15.6	7.2	11.0	11.4	9.6	8.6
1990	9.1	8.7	8.3	7.5	11.2	**	**	0.0	**	8.9	11.4	11.7	8.1	8.0	10.2	6.6	6.9
1991	8.9	8.6	8.1	10.5	9.7	21.9	**	0.0	**	8.3	5.8	7.5	8.7	9.9	**	14.7	5.5
1992	8.5	8.3	11.7	5.7	7.5	10.0	**	0.0	0.0	8.5	10.6	12.5	7.7	8.3	**	7.0	5.0
1993	8.3	7.7	9.3	9.6	10.3	**	**	**	**	7.8	7.4	7.0	7.1	5.3	**	8.3	5.1
1994	7.9	7.9	8.8	8.8	8.1	8.9	**	**	**	7.9	7.0	7.3	7.7	10.8	**	7.3	4.7
1995	7.6	7.6	10.6	12.5	5.7	**	**	**	**	7.4	7.6	10.9	7.9	7.4	**	7.8	4.6
1996	7.3	7.7	5.5	7.5	9.2	8.9	17.0	**	0.0	7.8	11.0	10.0	6.6	5.7	**	8.2	5.8
1997	7.2	7.2	6.0	6.1	9.4	10.5	**	0.0	**	7.3	9.6	7.2	6.2	9.8	**	5.2	3.1
1998	7.2	7.6	7.8	8.0	9.7	**	**	**	**	7.3	11.3	11.9	6.5	9.9	**	10.6	7.5
1999	7.1	6.8	10.0	7.2	**	8.9	**	**	**	7.1	8.0	8.6	5.4	7.5	**	4.9	6.3
2000	6.9	6.7	12.4	6.3	8.6	8.9	**	0.0	**	6.5	9.0	6.5	6.1	9.6	**	6.8	5.3
2001	6.8	6.9	7.4	7.3	3.2	**	**	**	**	6.7	6.6	6.4	7.6	8.2	**	8.0	8.3
2002	7.0	6.3	5.4	7.6	7.0	11.5	12.3	**	**	6.4	4.5	4.3	7.2	5.9	**	4.7	2.6

Notes: ** Cell supressed due to rate/ratio/percent based on non-zero count less than 6; [a] Number of infant deaths per 1,000 live births; [b] Included in Yuma County prior to 1983; The infant mortality rates by county of residence for 2003-2013 are in Table 5E-17.

TABLE 8D-1
NUMBER OF MARRIAGES BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1960-2002

Year	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[a]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1960	10,153	75	352	247	209	119	56		4,640	67	206	1,818	531	262	210	1,361
1961	10,426	86	277	301	191	124	56		4,860	63	250	1,856	508	318	213	1,223
1962	10,724	95	409	298	248	124	66		5,111	79	216	2,059	478	311	231	999
1963	11,420	74	365	299	241	139	78		5,620	77	298	2,251	533	305	241	902
1964	11,716	92	413	286	287	127	83		5,807	95	267	2,343	549	309	197	861
1965	12,113	73	408	331	240	124	55		6,041	77	268	2,433	528	282	277	976
1966	13,499	80	455	400	285	144	88		7,043	85	262	2,780	544	297	230	806
1967	14,703	79	533	391	278	130	83		7,960	98	288	2,913	530	312	253	855
1968	16,704	93	617	453	329	179	89		8,959	100	299	3,475	609	331	286	885
1969	18,012	124	616	477	388	193	105		9,632	103	297	3,829	679	363	316	860
1970	19,069	103	681	561	391	208	103		10,193	121	328	3,933	746	364	382	955
1971	20,865	127	729	567	401	216	123		10,630	176	360	4,364	884	375	363	1,117
1972	23,318	159	789	615	421	251	111		12,404	200	396	4,929	961	365	445	1,272
1973	26,180	139	840	753	523	237	137		13,330	209	428	4,856	1,073	402	457	2,896
1974	27,038	125	834	711	503	216	116		13,314	232	420	5,175	914	383	477	3,615
1975	26,558	146	874	645	469	292	150		13,022	223	420	5,252	791	316	465	3,493
1976	26,534	133	889	590	451	270	114		13,241	282	455	5,116	907	313	471	3,302
1977	26,955	105	998	645	437	306	107		14,011	243	458	5,113	846	305	530	2,851
1978	27,725	160	854	561	451	259	108		14,865	321	566	5,296	824	345	497	2,618
1979	29,603	138	969	683	497	269	123		15,596	377	546	5,957	917	324	522	2,685
1980	30,223	165	1,072	775	512	317	85		16,134	408	581	5,728	947	311	610	2,579
1981	31,906	196	1,008	946	551	331	103		17,176	481	511	6,152	925	286	745	2,495
1982	31,408	227	946	878	437	276	90		17,551	457	519	6,096	861	316	658	2,096
1983	30,809	169	995	554	417	270	68	103	17,431	491	496	6,046	857	289	726	1,897
1984	33,311	192	961	624	411	261	63	98	19,408	531	517	6,282	920	325	743	1,975
1985	35,723	181	992	656	403	284	53	186	21,860	698	548	5,692	923	350	887	2,010
1986	36,025	217	981	855	418	327	53	193	21,340	788	504	6,325	847	356	889	1,932
1987	36,207	195	878	940	419	275	59	145	21,003	1,056	486	6,677	895	311	879	1,989
1988	35,661	192	887	976	378	277	56	186	20,610	1,456	591	6,088	872	329	789	1,974
1989	35,738	265	829	958	420	292	36	140	20,518	1,764	536	6,095	738	356	762	2,028
1990	36,842	279	846	982	439	282	46	235	20,957	2,122	576	6,128	837	355	786	2,872
1991	36,682	245	590	946	414	264	68	181	21,038	2,604	478	6,188	725	293	793	1,855
1992	37,102	229	917	1,026	489	335	59	198	19,458	3,399	512	6,415	794	327	882	2,062
1993	39,650	275	1,015	985	392	278	61	186	19,909	5,367	659	6,294	919	315	960	2,035
1994	39,173	278	1,018	1,053	486	317	63	180	19,861	4,602	690	6,522	921	346	1,034	1,902
1995	40,030	277	1,020	1,014	422	322	62	132	21,021	4,659	540	6,383	986	278	966	1,948
1996	39,611	266	1,017	1,064	460	329	75	188	20,651	3,878	640	6,777	1,097	312	1,067	1,790
1997	41,426	274	1,024	1,089	428	384	64	173	22,032	3,402	643	7,612	1,114	343	1,073	1,771
1998	37,806	280	1,004	964	414	257	71	174	20,636	3,279	580	6,097	1,140	258	1,052	1,600
1999	41,174	290	1,013	946	413	244	58	150	24,223	3,186	605	6,312	1,080	340	734	1,580
2000	39,624	284	1,063	1,095	417	333	46	170	22,910	2,312	505	6,360	1,082	296	1,097	1,654
2001	39,978	282	1,010	994	388	254	58	167	23,032	2,013	554	6,508	1,134	311	1,604	1,669
2002	36,668	228	987	1,003	379	244	42	175	20,864	1,924	390	6,173	1,017	244	1,454	1,544

Notes: [a] Included in Yuma County prior to 1983; The number of marriages by county of occurrence for 2003-2013 are in Table 5G-1.

TABLE 8D-2
MARRIAGE RATES[a] BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1960-2002

Year	U.S.	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[b]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1960	8.5	7.8	2.5	6.4	5.9	8.1	8.5	4.9		7.0	8.7	5.4	6.8	8.5	24.2	7.3	29.4
1961	8.5	7.4	2.8	6.8	6.5	7.3	8.6	4.9		6.6	7.0	6.4	6.6	8.0	28.4	7.0	25.0
1962	8.5	7.3	3.0	7.6	6.0	9.3	8.4	5.7		6.6	7.6	5.3	6.9	7.4	24.9	7.3	20.2
1963	8.8	7.5	2.2	6.7	6.0	8.9	9.9	7.0		7.0	6.6	7.1	7.3	8.3	23.5	7.5	17.5
1964	9.0	7.5	2.8	7.3	5.7	10.4	8.3	7.7		7.0	7.3	6.2	7.6	8.6	23.4	6.1	16.0
1965	9.3	7.6	2.1	7.2	6.7	8.6	7.9	5.2		7.1	5.1	6.1	7.8	8.3	20.9	8.5	17.5
1966	9.5	8.4	2.3	8.0	8.0	10.0	9.1	8.4		8.1	5.0	5.9	8.7	8.4	21.7	6.9	14.2
1967	9.7	8.9	2.3	9.2	7.8	9.7	8.2	8.0		8.9	5.3	6.4	9.0	8.1	22.4	7.5	14.8
1968	10.4	9.9	2.7	10.5	9.2	11.4	11.1	8.6		9.8	4.9	6.6	10.5	9.2	24.0	8.4	15.1
1969	10.6	10.4	3.6	10.7	9.9	13.4	11.9	10.3		10.2	4.2	6.4	11.1	10.1	26.5	8.8	14.4
1970	10.6	10.8	3.2	11.0	11.6	13.4	12.5	10.0		10.5	4.7	6.9	11.2	10.9	26.1	10.3	15.7
1971	10.6	11.2	3.6	11.0	10.8	13.2	12.6	11.2		10.9	6.3	7.1	11.7	12.1	25.5	9.1	17.6
1972	11.0	11.9	4.4	11.5	10.9	13.7	14.6	10.1		11.6	6.6	7.6	12.5	12.7	23.7	10.2	19.6
1973	10.9	12.6	3.6	11.6	12.5	13.2	12.9	12.0		11.8	6.2	8.0	11.7	13.3	24.5	9.8	43.5
1974	10.5	12.6	3.1	11.5	11.4	15.4	11.3	9.7		11.4	6.6	7.6	11.9	11.0	22.4	9.8	53.3
1975	10.0	11.9	3.6	11.8	9.9	14.4	14.5	12.6		10.7	6.0	7.2	11.9	9.0	18.3	9.5	49.7
1976	9.9	11.7	3.0	11.8	8.7	13.8	13.4	9.9		10.7	7.2	7.4	11.3	10.4	18.6	9.5	48.6
1977	9.9	11.5	2.4	13.0	9.6	13.1	15.0	9.6		10.9	5.8	7.4	11.0	9.4	16.8	9.3	38.1
1978	10.3	11.2	3.3	10.9	7.4	13.0	12.6	9.4		10.9	7.3	8.0	11.0	9.4	18.1	8.3	34.7
1979	10.4	11.3	2.8	11.8	8.4	13.9	12.3	10.4		10.7	7.7	7.4	11.4	10.0	16.5	8.5	34.4
1980	10.6	11.1	3.2	12.4	10.3	13.8	13.6	7.5		10.7	7.3	8.5	10.9	10.4	15.2	9.0	28.5
1981	10.8	11.4	3.7	11.3	11.8	14.6	14.3	8.5		11.1	8.5	7.4	11.2	9.9	13.5	10.7	27.3
1982	10.6	11.0	4.1	10.5	10.5	11.4	11.5	6.9		11.0	8.0	7.3	10.7	9.1	14.4	9.1	22.1
1983	10.5	10.5	3.0	10.9	6.8	10.7	11.2	5.7	7.9	10.7	8.2	6.9	10.4	8.9	13.0	9.9	23.5
1984	10.5	10.9	3.7	10.5	7.6	10.9	10.9	5.5	7.3	11.2	8.1	7.3	10.4	9.3	14.5	9.2	23.1
1985	10.2	11.2	3.2	10.3	7.6	10.6	12.2	6.1	12.9	12.1	9.6	7.6	9.1	9.2	12.9	10.1	22.3
1986	10.0	10.7	3.6	10.0	9.6	10.5	13.3	5.5	13.7	11.2	10.2	6.8	9.8	8.2	12.9	9.7	22.0
1987	9.9	10.4	3.1	8.8	10.2	10.4	11.1	6.1	10.2	10.6	13.3	6.4	10.1	8.4	10.7	9.2	22.2
1988	9.7	9.9	3.0	8.7	10.3	9.3	11.3	5.9	13.0	10.0	17.9	7.6	8.9	7.9	10.9	8.1	21.6
1989	9.7	9.6	4.0	7.9	9.8	10.2	11.6	3.8	9.7	9.5	21.1	6.7	8.6	6.5	11.5	7.5	21.7
1990	9.8	10.1	4.5	8.7	10.2	10.9	10.6	5.7	17.0	9.9	23.8	7.4	9.2	7.2	12.0	7.3	17.5
1991	9.4	9.7	3.9	5.9	9.5	10.2	9.8	8.8	12.9	9.6	26.3	6.1	9.1	6.1	9.5	7.1	16.7
1992	9.2	9.6	3.6	9.1	10.1	11.7	12.1	7.1	13.4	8.7	32.1	6.4	9.2	6.5	10.5	7.7	18.3
1993	9.2	10.1	4.3	9.9	9.5	9.3	9.9	7.2	12.4	8.7	49.1	8.1	8.8	7.4	9.9	8.2	17.6
1994	9.1	9.7	4.3	9.8	9.9	11.4	11.1	7.4	11.8	8.5	40.8	7.1	8.9	7.3	10.6	8.6	16.1
1995	9.1	9.6	4.3	9.3	9.2	9.5	10.3	7.3	8.0	8.7	36.9	6.5	8.5	7.2	8.4	7.6	15.8
1996	8.8	8.9	4.1	8.8	9.4	10.2	10.6	8.7	10.3	7.8	30.4	7.6	8.7	7.6	8.9	7.9	14.3
1997	8.9	9.0	4.2	8.8	9.4	9.3	11.9	7.3	9.2	8.1	25.7	7.5	9.5	7.5	9.6	7.7	13.8
1998	8.3	8.0	4.2	8.5	8.1	8.8	7.7	8.0	9.0	7.4	23.8	6.7	7.5	7.4	7.0	7.3	12.2
1999	8.3	8.4	4.3	8.1	7.7	8.2	6.8	6.3	7.8	8.3	21.3	6.5	7.5	6.5	8.7	4.7	11.3
2000	8.7	7.7	4.1	9.0	9.4	8.1	9.9	5.4	8.6	7.5	14.9	5.2	7.5	6.0	7.7	6.5	10.3
2001	8.5	7.5	4.1	8.5	8.4	7.5	7.6	7.0	8.5	7.2	12.4	5.5	7.5	6.0	7.9	9.1	10.1
2002	8.1	6.7	3.3	8.0	8.0	7.1	7.2	4.9	8.6	6.3	11.6	3.8	6.9	5.3	6.1	8.1	9.1

Notes: [a] Number of marriages per 1,000 resident population; [b] Included in Yuma County prior to 1983; The marriage rates by county of occurrence for 2003-2013 are in Table 5G-2.

TABLE 8E-1
NUMBER OF DISSOLUTIONS OF MARRIAGE BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1960-2002

Year	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[a]	Maricopa	Mohave	Najavo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1960	4,780	24	156	141	86	50	32		2,724	26	64	987	142	22	137	189
1961	6,973	14	181	140	99	55	38		4,257	19	75	1,425	268	25	153	224
1962	7,788	31	218	187	127	65	24		4,649	37	115	1,593	288	25	195	234
1963	8,482	18	246	158	158	81	32		5,087	53	130	1,646	221	23	218	411
1964	8,790	17	296	179	189	55	36		5,419	68	108	1,794	209	19	113	283
1965	8,575	27	286	185	167	90	39		5,448	77	194	1,248	308	51	174	281
1966	9,186	23	325	237	276	54	45		5,873	75	170	1,423	199	24	285	377
1967	10,142	36	344	164	244	56	34		6,109	77	116	2,030	318	33	212	369
1968	10,701	32	361	169	94	83	35		6,619	85	130	2,149	345	43	157	399
1969	11,918	28	378	249	190	96	48		7,439	109	127	2,305	375	31	193	350
1970	13,298	34	403	280	219	131	55		8,023	126	140	2,703	449	42	216	477
1971	14,397	37	420	322	242	109	65		8,798	134	136	3,156	340	54	209	375
1972	13,197	52	357	345	232	86	49		7,749	180	172	2,681	497	56	232	510
1973	14,036	34	353	377	176	110	58		8,219	234	184	3,188	385	64	260	434
1974	16,926	63	607	347	252	134	75		9,800	295	172	3,615	517	91	389	579
1975	17,577	35	657	380	315	192	84		9,826	342	224	3,772	531	73	351	795
1976	19,029	58	716	375	278	164	76		11,051	426	232	3,880	461	92	423	797
1977	16,578	50	575	409	217	134	55		9,415	337	219	3,245	441	97	576	808
1978	17,320	97	705	384	193	123	67		9,938	388	229	3,422	504	73	475	722
1979	19,982	101	708	433	243	164	51		11,730	443	273	3,834	643	113	466	780
1980	19,908	82	666	432	259	157	52		11,187	457	212	4,141	744	106	543	820
1981	20,819	85	628	489	281	193	53		11,871	494	234	4,336	696	76	550	833
1982	20,259	91	627	416	256	181	61		11,656	498	249	3,936	666	131	603	888
1983	19,875	83	634	378	253	146	52	94	11,338	531	246	3,811	672	116	645	876
1984	20,009	97	701	429	289	152	32	76	11,626	482	273	3,747	699	97	629	680
1985	21,157	110	669	578	239	203	35	77	12,626	563	258	3,911	622	84	523	659
1986	23,062	136	802	458	235	133	19	74	14,409	558	360	3,992	644	92	544	606
1987	23,760	88	713	520	233	167	39	64	15,185	519	236	4,086	618	108	619	564
1988	24,928	68	691	471	260	141	38	93	16,400	535	269	3,923	673	129	611	610
1989	23,153	81	750	635	222	139	33	48	14,309	616	206	3,858	678	127	720	731
1990	25,088	84	845	579	225	183	41	62	16,267	647	221	4,079	661	120	696	378
1991	24,988	79	725	468	231	157	41	63	15,793	787	277	4,180	673	120	758	636
1992	26,157	100	816	348	238	179	62	68	16,480	730	325	4,234	722	142	699	1,014
1993	24,198	70	838	441	330	174	62	51	14,406	893	290	4,080	731	149	968	715
1994	25,095	99	827	324	244	179	41	63	15,431	795	281	4,274	705	134	974	724
1995	27,604	74	928	257	249	145	62	41	17,992	728	292	4,107	779	126	953	871
1996	26,483	118	609	377	292	177	47	76	16,588	953	385	4,226	770	116	1,023	726
1997	26,363	127	763	360	267	164	37	62	16,380	899	361	4,156	790	139	1,081	777
1998	23,130	99	721	493	233	136	66	68	13,540	883	210	4,007	819	104	1,058	693
1999	22,080	71	726	492	277	161	54	62	13,216	790	265	3,952	699	124	481	710
2000	23,440	105	687	308	254	162	58	80	13,744	852	334	3,987	877	113	611	1,268
2001	24,064	125	624	334	218	136	53	63	15,278	881	366	4,038	714	117	611	506
2002	26,176	88	580	408	223	142	68	70	17,563	894	303	3,853	717	124	597	546

Notes: [a] Included in Yuma County prior to 1983; The number of dissolutions of marriage by county of occurrence for 2003-2013 are in Table 5G-4.

TABLE 8E-2
DISSOLUTIONS OF MARRIAGE RATES[a] BY YEAR AND COUNTY OF OCCURRENCE, ARIZONA, 1960-2002

Year	U.S.	Arizona	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz[b]	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
1960	2.2	3.7	0.8	2.8	3.4	3.3	3.6	2.8		4.1	3.4	1.7	3.7	2.3	2.0	4.7	4.1
1961	2.3	5.0	0.4	3.3	3.0	3.8	3.8	3.3		5.8	2.1	1.9	5.1	4.2	2.2	5.0	5.6
1962	2.2	5.3	1.0	4.1	3.8	4.8	4.4	2.1		6.0	3.6	2.8	5.3	4.5	2.0	6.2	4.7
1963	2.3	5.6	0.5	4.5	3.2	5.8	5.4	2.9		6.3	4.5	3.1	5.3	3.4	1.8	6.8	8.0
1964	2.4	5.6	0.5	5.2	3.6	6.9	3.6	3.3		6.5	5.2	2.5	5.8	3.3	1.4	3.7	5.3
1965	2.5	5.4	0.8	5.1	3.7	6.0	5.7	3.7		6.4	5.1	4.4	4.0	4.8	3.8	5.3	5.0
1966	2.5	5.7	0.7	5.7	4.8	6.2	3.4	4.3		6.8	4.4	3.8	4.5	3.1	1.8	5.6	6.6
1967	2.6	6.2	1.0	5.9	3.3	8.5	3.5	3.3		6.9	4.1	2.6	6.3	4.9	2.4	6.3	6.4
1968	2.9	6.4	0.9	6.1	3.4	3.3	5.2	3.4		7.2	4.1	2.9	6.5	5.2	3.1	4.6	6.8
1969	3.2	6.9	0.8	6.2	5.2	6.6	5.9	4.7		7.9	4.4	2.7	6.7	5.6	2.3	5.4	5.9
1970	3.5	7.5	1.1	6.5	5.8	7.5	7.9	5.3		8.3	4.9	2.9	7.7	6.5	3.0	4.8	7.8
1971	3.7	7.7	1.1	6.4	6.1	8.0	6.4	5.9		8.7	4.8	2.7	8.5	4.6	3.7	5.3	5.9
1972	4.0	6.7	1.4	5.2	6.1	7.6	5.0	4.5		7.3	6.0	3.3	6.8	6.5	3.6	5.3	7.9
1973	4.4	6.8	0.9	4.9	5.6	5.5	6.0	5.1		7.3	7.0	3.4	7.7	4.8	3.9	5.6	6.5
1974	4.6	7.9	1.6	8.4	5.6	7.7	7.0	6.3		8.4	8.4	3.1	8.3	6.2	5.3	8.0	8.5
1975	4.8	7.9	0.9	8.8	5.8	9.7	9.5	7.1		8.1	9.1	3.9	8.6	6.1	4.2	7.1	11.3
1976	5.0	8.5	1.3	9.5	5.5	8.5	8.1	6.6		8.9	10.8	3.8	8.5	5.3	5.5	8.5	11.7
1977	5.0	7.1	1.1	7.5	6.1	6.5	6.5	4.9		7.3	8.0	3.5	7.0	4.9	5.3	10.1	10.8
1978	5.1	7.0	2.0	9.0	5.1	5.6	6.0	5.8		7.3	8.8	3.2	7.1	5.8	3.8	7.9	9.6
1979	5.3	7.6	2.1	8.6	5.3	6.8	7.5	4.3		8.1	9.0	3.7	7.4	7.0	5.8	7.6	10.0
1980	5.2	7.3	1.6	7.7	5.8	7.0	6.9	4.6		7.4	8.2	3.1	7.8	8.2	5.2	8.0	9.1
1981	5.3	7.4	1.6	7.1	6.1	7.5	8.3	4.4		7.6	8.7	3.4	7.9	7.4	3.6	7.9	9.1
1982	5.0	7.0	1.6	7.0	5.0	6.7	7.6	4.7		7.3	8.7	3.5	6.9	7.0	6.0	8.4	9.4
1983	5.0	6.8	1.5	7.0	4.6	6.5	6.0	4.3	7.2	6.9	8.9	3.4	6.6	7.0	5.2	8.8	10.9
1984	4.9	6.5	1.9	7.7	5.2	7.6	6.3	2.8	5.7	6.7	7.4	3.9	6.2	7.1	4.3	7.8	7.9
1985	5.0	6.6	1.9	6.9	6.7	6.3	8.7	4.0	5.3	7.0	7.8	3.6	6.3	6.2	3.1	5.9	7.3
1986	5.0	6.9	2.2	8.2	5.1	5.9	5.4	2.0	5.2	7.5	7.2	4.9	6.2	6.2	3.3	5.9	6.9
1987	4.8	6.8	1.4	7.1	5.7	5.8	6.8	4.0	4.5	7.6	6.5	3.1	6.2	5.8	3.7	6.5	6.3
1988	4.8	6.9	1.1	6.7	5.0	6.4	5.7	4.0	6.5	7.9	6.6	3.5	5.7	6.1	4.3	6.2	6.7
1989	4.7	6.2	1.2	7.2	6.5	5.4	5.5	3.5	3.3	6.6	7.4	2.6	5.4	6.0	4.1	7.1	7.8
1990	4.7	6.8	1.4	8.7	6.0	5.6	6.9	5.1	4.5	7.7	6.9	2.8	6.1	5.7	4.0	6.5	3.5
1991	4.7	6.6	1.3	7.3	4.7	5.7	5.8	5.3	4.5	7.2	8.0	3.5	6.1	5.7	3.9	6.8	5.7
1992	4.8	6.8	1.6	8.1	3.4	5.7	6.5	7.4	4.6	7.4	6.9	4.0	6.0	5.9	4.6	6.1	9.0
1993	4.7	6.1	1.1	8.2	4.3	7.8	6.2	7.3	3.4	6.3	8.2	3.6	5.7	5.9	4.7	8.2	6.2
1994	4.6	6.2	1.5	7.9	3.1	5.7	6.3	4.8	4.1	6.6	7.0	3.4	5.8	5.6	4.1	8.1	6.1
1995	4.5	6.5	1.2	8.4	2.3	5.6	4.6	7.3	2.5	7.4	5.8	3.5	5.5	5.7	3.8	7.5	7.1
1996	4.4	5.9	1.9	5.3	3.3	6.4	5.7	5.4	4.2	6.3	7.5	4.6	5.4	5.3	3.3	7.6	5.8
1997	4.3	5.7	2.0	6.5	3.1	5.8	5.1	4.2	3.3	6.0	6.8	4.2	5.2	5.3	3.9	7.8	5.6
1998	4.2	4.9	1.5	6.1	4.1	4.9	4.1	7.5	3.5	4.8	6.4	2.4	4.9	5.4	2.8	7.4	5.3
1999	4.2	4.5	1.1	5.8	4.0	5.5	4.5	5.9	3.2	4.5	5.3	2.8	4.7	4.2	3.2	3.1	5.1
2000	4.1	4.6	1.5	5.8	2.6	4.9	4.8	6.8	4.1	4.5	5.5	3.4	4.7	4.9	2.9	3.6	7.9
2001	4.2	4.5	1.8	5.2	2.8	4.2	4.1	6.4	3.2	4.8	5.4	3.7	4.7	3.8	3.0	3.5	3.1
2002	4.0	4.8	1.3	4.7	3.3	4.2	4.2	7.9	3.4	5.3	5.4	3.0	4.3	3.7	3.1	3.3	3.2

Notes: [a] Number of dissolutions of marriage (divorces and annulments) per 1,000 resident population; b Included in Yuma County prior to 1983; The dissolution of marriage rates by county of occurrence for 2003-2013 are in Table 5G-5.

Part III:

THE COMMUNITIES

CHAPTER 9

PRIMARY CARE AREAS

9A. SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY PRIMARY CARE AREA, ARIZONA, 2013

9B. NUMBER OF DEATHS BY AGE GROUP AND PRIMARY CARE AREA, ARIZONA, 2013

9C. NUMBER OF DEATHS FROM SELECTED CAUSES BY PRIMARY CARE AREA, ARIZONA, 2013

9A

Selected Characteristics of Newborns and Mothers by Primary Care Area, Arizona, 2013

TABLE 9A
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY PRIMARY CARE AREA, ARIZONA, 2013

	Total births	Mother 19 years old or younger	Prenatal care in the 1st trimester	No prenatal care	Public payer for birth[a]	LBW newborns (<2,500 grams at birth)	Unwed mother
TOTAL STATE	84,963	7,220†	69,080†	1,180†	45,790†	5,850†	38,350†
AHWATUKEE FOOTHILLS VILLAGE	738	15	687	*	152	36	196
AJO	69	8	46	*	42	*	46
ALHAMBRA VILLAGE	2,396	279	1,842	31	1,957	156	1,430
ANTHEM	177	6	152	*	41	12	30
APACHE JUNCTION	395	37	323	*	246	25	194
AVONDALE	1,387	113	1,196	11	720	85	643
BENSON	107	9	80	*	50	*	31
BISBEE	222	15	162	15	130	21	101
BLACK CANYON CITY	64	*	46	0	48	8	32
BUCKEYE	999	78	869	9	517	76	364
BULLHEAD CITY	585	67	400	7	417	24	359
CAMELBACK EAST VILLAGE	1,986	166	1,597	28	1,193	156	957
CASA GRANDE	720	70	600	12	434	43	399
CASAS ADOBES	785	44	643	*	295	65	263
CATALINA FOOTHILLS	380	13	303	*	81	24	82
CENTRAL CITY VILLAGE	1,001	132	747	21	866	93	672
CHANDLER CENTRAL	1,686	104	1,555	10	672	111	597
CHANDLER NORTH	963	43	882	*	272	55	278
CHANDLER SOUTH	577	9	555	*	69	32	82
CHINO VALLEY	221	21	178	*	152	14	98
COLORADO CITY	36	0	*	27	17	0	20
COLORADO RIVER INDIAN TRIBE	39	8	29	*	23	*	25
COOLIDGE	205	25	162	8	134	18	121
COTTONWOOD / SEDONA	548	50	423	6	382	41	273
DEER VALLEY VILLAGE	2,310	112	2,059	13	986	166	820
DESERT VIEW VILLAGE	538	6	485	*	41	30	61
DOUGLAS / PIRTLEVILLE	358	52	251	25	259	20	194
DREXEL HEIGHTS	347	35	248	7	233	29	208
EL MIRAGE / YOUNGTOWN	695	68	584	*	416	65	331
ELOY	392	44	331	8	262	24	227
ENCANTO VILLAGE	846	84	685	10	561	58	453
ESTRELLA VILLAGE / TOLLESON	1,746	199	1,398	16	1,253	111	997
FLAGSTAFF	987	63	907	10	471	84	372
FLORENCE	216	12	184	*	109	12	95
FLOWING WELLS	180	23	119	8	142	16	114
FORT MCDOWELL YAVAPAI NATION	23	*	16	0	6	*	17
FORTUNA FOOTHILLS	237	14	170	*	88	19	60
FOUNTAIN HILLS / RIO VERDE	113	*	92	*	30	6	33
GILA RIVER INDIAN COMMUNITY	57	8	45	*	39	8	45
GILBERT CENTRAL	1,471	28	1,357	*	254	68	249
GILBERT NORTH	903	34	831	*	224	56	211
GILBERT SOUTH	989	18	922	0	143	53	142
GLENDALE CENTRAL	1,833	243	1,407	26	1,524	123	1,147
GLENDALE NORTH	1,375	91	1,244	6	675	102	541
GLENDALE WEST	576	33	511	*	205	42	189
GLOBE	194	16	145	6	119	21	101
GOLD CANYON	38	*	34	0	15	6	12
GOLDEN VALLEY	55	6	49	0	40	*	37
GOODYEAR / LITCHFIELD PARK	998	54	878	6	362	68	339
GRAND CANYON VILLAGE	81	10	69	0	46	*	43
GREEN VALLEY	46	*	35	*	27	6	28
HOPI TRIBE	147	20	93	*	95	19	134
HUALAPAI TRIBE	29	6	25	0	6	*	20
KINGMAN	624	69	562	10	350	53	333
LAKE HAVASU CITY	393	24	359	*	262	28	185
LAVEEN VILLAGE	1,007	82	874	10	519	61	472
MARANA	698	28	577	6	197	42	185
MARICOPA	691	50	622	*	257	56	221
MARYVALE VILLAGE	4,387	624	3,411	62	3,642	313	2,863
MESA CENTRAL	1,625	127	1,341	24	1,006	96	738
MESA EAST	788	41	688	*	348	53	269
MESA GATEWAY	1,212	49	1,087	9	456	71	363
MESA NORTH	1,101	59	954	6	494	80	372
MESA WEST	2,288	233	1,832	35	1,514	152	1,268
MORENCI	125	13	91	*	42	7	55

TABLE 9A (continued)
SELECTED CHARACTERISTICS OF NEWBORNS AND MOTHERS BY PRIMARY CARE AREA, ARIZONA, 2013

	Total births	Mother 19 years old or younger	Prenatal care in the 1st trimester	No prenatal care	Public payer for birth[a]	LBW newborns (<2,500 grams at birth)	Unwed mother
NAVAJO NATION	1,251	167	839	18	985	77	1,015
NEW RIVER / CAVE CREEK	121	0	107	*	37	8	37
NOGALES	326	51	193	22	237	18	194
NORTH GATEWAY / RIO VISTA VILLAGE	360	7	327	0	71	30	68
NORTH MOUNTAIN VILLAGE	2,384	212	1,972	22	1,643	186	1,257
ORO VALLEY	281	7	247	0	64	13	56
PAGE	93	17	72	*	62	*	58
PARADISE VALLEY	68	*	58	0	*	*	*
PARADISE VALLEY VILLAGE	1,943	82	1,636	8	754	161	638
PARKER	67	10	55	*	36	*	42
PASCUA YAQUI TRIBE	74	18	54	*	56	*	63
PAYSON	192	19	151	0	128	8	86
PEORIA NORTH	831	13	791	*	174	48	149
PEORIA SOUTH	959	85	847	*	505	65	454
PICTURE ROCKS	81	7	66	*	44	*	41
PRESCOTT	291	17	239	*	150	18	104
PRESCOTT VALLEY	612	56	532	*	358	47	231
QUARTZSITE	66	11	51	*	48	*	36
QUEEN CREEK	459	23	418	*	118	22	112
RIO RICO	306	23	212	8	181	26	120
SADDLEBROOKE	123	12	96	*	73	*	62
SAFFORD	207	33	170	*	105	12	94
SAHUARITA	428	13	352	*	108	31	87
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY	114	27	68	*	82	13	100
SAN CARLOS APACHE TRIBE	204	52	104	11	40	15	164
SAN LUIS	693	104	321	77	502	33	346
SAN TAN VALLEY	1,387	72	1,223	6	507	83	350
SAN XAVIER	21	*	9	*	17	0	17
SCOTTSDALE CENTRAL	648	9	564	*	70	44	98
SCOTTSDALE NORTH	414	*	369	0	36	29	46
SCOTTSDALE SOUTH	608	38	492	9	252	48	239
SHOW LOW	278	25	215	*	171	19	102
SIERRA VISTA	740	40	616	11	272	59	236
SNOWFLAKE / HEBER	218	17	164	*	118	13	44
SOMERTON	249	39	151	10	176	16	138
SOUTH MOUNTAIN VILLAGE / GUADALUPE	2,263	298	1,857	28	1,682	165	1,433
SPRINGERVILLE / EAGER	210	16	148	*	119	18	65
SUN CITY	99	*	92	0	42	7	35
SUN CITY WEST	14	0	13	0	6	*	6
SUN LAKES	1	0	*	0	0	0	*
SURPRISE NORTH / WICKENBURG	238	30	195	*	134	12	106
SURPRISE SOUTH	1,254	79	1,138	7	440	95	394
TANQUE VERDE	77	*	58	0	20	8	17
TEMPE NORTH	1,102	81	897	15	599	81	506
TEMPE SOUTH	606	26	545	*	200	34	214
THATCHER	278	18	209	6	132	26	88
TOHONO O'ODHAM NATION	146	27	70	*	90	11	134
TUCSON CENTRAL	1,403	131	964	39	931	103	754
TUCSON EAST	1,266	100	953	8	588	118	549
TUCSON ESTATES	91	11	66	*	52	8	54
TUCSON FOOTHILLS	1,220	90	871	24	740	90	593
TUCSON SOUTH	2,713	347	1,824	94	1,977	179	1,649
TUCSON SOUTH EAST	585	18	486	*	127	43	127
TUCSON WEST	428	34	330	6	245	28	226
VAIL	219	7	185	*	50	*	41
VALENCIA WEST	267	29	200	6	141	14	137
WHITE MOUNTAIN APACHE TRIBE	267	50	175	*	245	20	210
WILLCOX / BOWIE	128	17	67	*	71	10	65
WILLIAMSON	66	6	59	0	26	7	21
WINSLOW	243	28	179	0	168	24	150
YUMA	1,876	213	1,297	69	1,087	90	868
UNKNOWN	1,801	240	1,364	51	1,067	141	1,184

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; [a] The Arizona Health Care Cost Containment System (AHCCCS: the State's Medicaid program) or the Indian Health Service (IHS).

9B

Number of Deaths by Age Group and Primary Care Area, Arizona, 2013

TABLE 9B
NUMBER OF DEATHS BY AGE GROUP AND PRIMARY CARE AREA, ARIZONA, 2013

	Total	Age group						
		Infants <1	Children 1-14	Adolescents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Unknown
TOTAL STATE	49,929	450†	250†	210†	3,120†	9,900†	35,980†	20†
AHWATUKEE FOOTHILLS VILLAGE	390†	*	0	0	28	80	280	0
AJO	50†	*	0	0	*	7	42	0
ALHAMBRA VILLAGE	1,010†	7	*	7	91	260	642	*
ANTHEM	80†	0	*	*	7	17	49	0
APACHE JUNCTION	530†	0	*	0	28	96	403	0
AVONDALE	350†	8	*	*	46	90	195	0
BENSON	160†	*	0	0	7	39	112	*
BISBEE	240†	*	*	*	8	48	179	*
BLACK CANYON CITY	180†	*	0	0	8	39	133	0
BUCKEYE	380†	7	*	*	32	106	233	0
BULLHEAD CITY	910†	*	*	*	34	228	640	0
CAMELBACK EAST VILLAGE	1,020†	12	*	*	69	207	719	0
CASA GRANDE	450†	*	6	*	23	85	333	0
CASAS ADOBES	680†	0	*	*	36	106	537	0
CATALINA FOOTHILLS	570†	0	0	*	10	65	496	0
CENTRAL CITY VILLAGE	350†	8	*	*	41	121	171	0
CHANDLER CENTRAL	460†	9	*	*	33	125	290	0
CHANDLER NORTH	490†	*	*	*	26	92	370	0
CHANDLER SOUTH	270†	*	*	*	6	31	230	0
CHINO VALLEY	280†	0	*	*	13	61	203	0
COLORADO CITY	30†	0	*	0	*	10	15	0
COLORADO RIVER INDIAN TRIBE	30†	0	0	0	*	7	17	0
COOLIDGE	110†	0	0	*	11	27	73	0
COTTONWOOD / SEDONA	750†	*	*	*	22	115	605	0
DEER VALLEY VILLAGE	970†	12	*	7	74	243	635	0
DESERT VIEW VILLAGE	210†	*	*	0	11	33	157	0
DOUGLAS / PIRTLEVILLE	180†	*	*	0	6	40	126	0
DREXEL HEIGHTS	170†	*	0	0	14	34	117	0
EL MIRAGE / YOUNGTOWN	280†	*	*	*	25	52	195	0
ELOY	200†	*	0	*	14	50	129	0
ENCANTO VILLAGE	390†	8	0	*	34	133	217	0
ESTRELLA VILLAGE / TOLLESON	280†	*	*	*	42	79	151	0
FLAGSTAFF	360†	*	*	*	33	93	225	0
FLORENCE	200†	0	*	0	13	47	141	0
FLOWING WELLS	175	0	0	0	15	40	120	0
FORT MCDOWELL YAVAPAI NATION	10†	0	0	*	*	*	*	0
FORTUNA FOOTHILLS	330†	*	0	*	10	37	282	0
FOUNTAIN HILLS / RIO VERDE	270†	*	0	0	10	32	231	0
GILA RIVER INDIAN COMMUNITY	30†	*	0	0	10	10	10	0
GILBERT CENTRAL	280†	7	*	*	24	58	185	0
GILBERT NORTH	320†	6	*	*	25	78	204	0
GILBERT SOUTH	210†	*	*	*	19	36	142	0
GLENDALE CENTRAL	550†	15	*	*	52	157	318	0
GLENDALE NORTH	1,010†	7	*	*	64	163	765	0
GLENDALE WEST	180†	*	*	0	15	42	114	0
GLOBE	220†	*	*	*	9	43	166	0
GOLD CANYON	140†	0	0	0	*	23	110	0
GOLDEN VALLEY	150†	0	0	0	*	46	104	0
GOODYEAR / LITCHFIELD PARK	420†	*	*	*	34	84	291	0
GRAND CANYON VILLAGE	50†	0	0	0	*	14	27	0
GREEN VALLEY	480†	0	0	0	*	43	428	0
HOPI TRIBE	70†	*	0	*	11	21	39	0
HUALAPAI TRIBE	20†	*	0	0	*	8	9	0
KINGMAN	780†	*	*	*	35	147	587	0
LAKE HAVASU CITY	690†	*	0	0	9	111	566	0
LAVEEN VILLAGE	180†	6	*	*	25	48	91	0
MARANA	300†	0	*	*	17	62	222	0
MARICOPA	210†	*	*	0	16	64	118	0
MARYVALE VILLAGE	871	19	15	10	100	260	467	0
MESA CENTRAL	500†	14	*	*	49	132	300	0
MESA EAST	990†	*	*	*	33	129	815	0
MESA GATEWAY	800†	7	*	*	37	117	638	0
MESA NORTH	890†	7	0	*	37	144	699	0
MESA WEST	850†	17	9	*	73	215	528	0
MORENCI	50†	*	*	*	*	10	28	0

TABLE 9B (continued)
NUMBER OF DEATHS BY AGE GROUP AND PRIMARY CARE AREA, ARIZONA, 2013

	Total	Age group						
		Infants <1	Children 1-14	Adolescents 15-19	Young adults 20-44	Middle-aged adults 45-64	Elderly 65+	Unknown
NAVAJO NATION	625	10	9	12	123	147	323	*
NEW RIVER / CAVE CREEK	160†	0	*	0	*	42	112	0
NOGALES	160†	*	0	*	6	29	122	0
NORTH GATEWAY / RIO VISTA VILLAGE	100†	*	0	0	7	21	71	0
NORTH MOUNTAIN VILLAGE	1,220†	17	9	*	94	289	803	0
ORO VALLEY	420†	*	*	*	6	41	361	0
PAGE	50†	*	0	0	*	15	29	*
PARADISE VALLEY	110†	0	*	0	*	6	96	0
PARADISE VALLEY VILLAGE	1,290†	12	*	*	67	230	975	0
PARKER	30†	0	*	0	*	7	19	0
PASCUA YAQUI TRIBE	30†	0	0	*	*	15	13	0
PAYSON	389	0	0	0	15	63	311	0
PEORIA NORTH	640†	*	*	0	28	57	551	0
PEORIA SOUTH	680†	*	*	*	33	133	499	0
PICTURE ROCKS	93	0	0	0	7	15	71	0
PRESCOTT	740†	*	*	*	31	110	598	0
PRESCOTT VALLEY	620†	*	*	*	43	113	461	0
QUARTZSITE	170†	*	0	0	*	49	120	0
QUEEN CREEK	110†	*	*	*	9	27	69	0
RIO RICO	110†	*	*	0	6	18	87	0
SADDLEBROOKE	203	0	0	0	8	25	170	0
SAFFORD	110†	*	*	0	*	27	74	0
SAHUARITA	180†	*	*	*	*	24	150	0
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY	90†	*	0	0	12	28	45	0
SAN CARLOS APACHE TRIBE	60†	*	*	*	12	21	19	0
SAN LUIS	110†	6	0	*	9	24	68	0
SAN TAN VALLEY	290†	*	7	*	39	67	173	0
SAN XAVIER	20†	*	0	0	*	7	*	0
SCOTTSDALE CENTRAL	820†	*	0	*	16	90	709	0
SCOTTSDALE NORTH	470†	*	*	*	17	62	388	0
SCOTTSDALE SOUTH	610†	0	*	0	30	87	495	0
SHOW LOW	290†	*	*	0	14	62	206	0
SIERRA VISTA	510†	*	0	0	18	102	383	0
SNOWFLAKE / HEBER	170†	*	0	0	13	30	124	0
SOMERTON	50†	*	*	*	*	18	28	0
SOUTH MOUNTAIN VILLAGE / GUADALUPE	672	16	8	6	74	193	375	0
SPRINGERVILLE / EAGER	170†	*	0	*	8	42	118	0
SUN CITY	1,280†	*	0	*	8	79	1,187	0
SUN CITY WEST	770†	0	0	0	*	28	743	0
SUN LAKES	266	0	0	0	0	9	257	0
SURPRISE NORTH / WICKENBURG	220†	*	*	*	10	61	142	0
SURPRISE SOUTH	750†	8	*	*	17	100	621	0
TANQUE VERDE	120†	0	0	0	*	20	103	0
TEMPE NORTH	580†	8	*	*	43	117	406	0
TEMPE SOUTH	290†	*	*	*	15	55	211	0
THATCHER	130†	*	0	0	7	27	92	0
TOHONO O'ODHAM NATION	100†	*	*	0	18	28	43	0
TUCSON CENTRAL	840†	6	*	*	68	229	536	*
TUCSON EAST	1,080†	6	*	*	65	180	824	0
TUCSON ESTATES	170†	0	0	0	*	33	128	0
TUCSON FOOTHILLS	1,050	7	9	6	52	250	726	0
TUCSON SOUTH	1,110†	17	*	7	99	291	687	0
TUCSON SOUTH EAST	280†	6	*	*	10	52	206	0
TUCSON WEST	300†	*	*	*	21	49	226	0
VAIL	100†	0	0	0	*	30	65	0
VALENCIA WEST	100†	*	0	*	11	23	62	0
WHITE MOUNTAIN APACHE TRIBE	100†	*	*	6	36	26	28	0
WILLCOX / BOWIE	120†	*	0	0	*	25	90	0
WILLIAMSON	90†	0	0	*	*	11	74	0
WINSLOW	140†	*	*	0	12	35	94	0
YUMA	780†	7	*	*	45	132	584	0
UNKNOWN	1,603	11	16	9	163	431	960	13

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

9C

Number of Deaths from Selected Causes by Primary Care Area, Arizona, 2013

TABLE 9C
NUMBER OF DEATHS FROM SELECTED CAUSES BY PRIMARY CARE AREA, ARIZONA, 2013

	All causes	Cardiovascular diseases	Lung cancer	Breast cancer	Motor vehicle accident	Homicide	Suicide	Injury by firearms	Drug-induced deaths	Alcohol-induced deaths
TOTAL	49,929	13,746	2,763	836	767	383	1,116	931	1,099	1,098
AHWATUKEE FOOTHILLS VILLAGE	391	114	16	7	*	*	16	12	7	11
AJO	54	17	*	0	*	0	*	*	0	0
ALHAMBRA VILLAGE	1,012	267	63	17	15	15	24	27	33	30
ANTHEM	76	16	7	*	*	0	*	*	*	0
APACHE JUNCTION	528	160	38	*	7	*	11	10	10	18
AVONDALE	346	72	26	6	10	*	15	8	12	6
BENSON	161	47	9	*	*	0	*	*	*	*
BISBEE	241	80	16	*	6	*	*	*	0	*
BLACK CANYON CITY	182	50	10	*	*	*	*	*	*	*
BUCKEYE	380	94	18	*	7	*	9	7	6	*
BULLHEAD CITY	909	298	81	15	10	*	29	15	33	20
CAMELBACK EAST VILLAGE	1,015	282	58	12	17	8	23	20	26	25
CASA GRANDE	450	121	22	6	*	7	8	8	7	*
CASAS ADOBES	683	214	32	10	*	*	18	9	13	11
CATALINA FOOTHILLS	573	173	22	11	*	0	13	8	6	9
CENTRAL CITY VILLAGE	346	83	13	*	6	13	10	17	21	15
CHANDLER CENTRAL	464	117	26	6	8	*	13	12	11	13
CHANDLER NORTH	493	158	18	9	10	*	*	6	12	8
CHANDLER SOUTH	274	80	15	*	*	0	*	*	*	*
CHINO VALLEY	282	78	17	*	*	*	6	7	*	*
COLORADO CITY	32	10	*	0	*	0	*	*	*	0
COLORADO RIVER INDIAN TRIBE	28	13	*	0	0	*	0	0	0	0
COOLIDGE	114	31	*	*	*	0	*	0	*	*
COTTONWOOD / SEDONA	746	173	42	10	7	*	18	11	11	12
DEER VALLEY VILLAGE	973	237	64	25	18	6	34	30	27	17
DESERT VIEW VILLAGE	205	48	14	*	*	*	6	*	0	*
DOUGLAS / PIRTLEVILLE	176	49	7	0	*	0	*	0	*	*
DREXEL HEIGHTS	166	47	6	6	*	0	*	*	*	*
EL MIRAGE / YOUNGTOWN	279	65	13	*	*	*	7	8	9	10
ELOY	198	45	11	7	*	0	*	*	*	*
ENCANTO VILLAGE	394	96	23	6	*	6	*	*	16	15
ESTRELLA VILLAGE / TOLLESON	284	66	17	*	6	6	9	12	13	7
FLAGSTAFF	359	90	19	13	14	*	15	9	9	15
FLORENCE	203	59	14	6	*	*	7	*	*	*
FLOWING WELLS	175	48	13	*	*	*	*	*	11	*
FORT MCDOWELL YAVAPAI NATION	8	*	0	0	0	0	0	0	0	*
FORTUNA FOOTHILLS	332	103	24	7	*	*	*	6	*	*
FOUNTAIN HILLS / RIO VERDE	274	71	9	9	*	0	*	*	*	*
GILA RIVER INDIAN COMMUNITY	31	*	0	0	*	0	6	*	*	*
GILBERT CENTRAL	281	56	17	9	*	0	6	6	8	*
GILBERT NORTH	315	95	19	6	10	*	13	9	9	*
GILBERT SOUTH	205	46	13	*	*	*	7	*	*	*
GLENDALE CENTRAL	547	147	28	6	13	10	13	16	12	16
GLENDALE NORTH	1,005	251	60	25	8	7	23	18	27	7
GLENDALE WEST	175	41	10	*	0	*	*	*	*	*
GLOBE	221	64	18	6	*	*	*	6	*	*
GOLD CANYON	135	31	17	*	*	*	*	*	*	*
GOLDEN VALLEY	154	51	18	*	*	0	*	*	*	*
GOODYEAR / LITCHFIELD PARK	416	99	26	7	9	*	12	10	11	9
GRAND CANYON VILLAGE	46	7	*	*	*	0	*	0	*	*
GREEN VALLEY	476	183	42	6	*	0	9	6	6	8
HOPI TRIBE	73	11	0	*	*	0	*	0	*	7
HUALAPAI TRIBE	23	*	0	0	0	*	0	0	*	*
KINGMAN	776	249	70	10	9	*	19	15	8	12
LAKE HAVASU CITY	687	231	48	7	*	*	15	12	10	13
LAVEEN VILLAGE	180	39	8	*	10	6	*	7	*	*
MARANA	304	90	26	*	*	*	7	*	8	6
MARICOPA	208	66	12	*	7	0	*	*	*	7
MARYVALE VILLAGE	871	188	41	17	21	21	21	32	20	26
MESA CENTRAL	499	142	27	13	6	8	7	9	13	10
MESA EAST	986	322	46	16	11	*	18	11	16	16
MESA GATEWAY	803	236	56	19	12	*	19	15	13	11
MESA NORTH	889	255	62	12	13	*	24	13	24	15
MESA WEST	847	236	45	20	10	6	25	15	24	23
MORENCI	46	12	*	*	*	0	*	0	0	0

TABLE 9C (continued)
NUMBER OF DEATHS FROM SELECTED CAUSES BY PRIMARY CARE AREA, ARIZONA, 2013

	All causes	Cardiovascular diseases	Lung cancer	Breast cancer	Motor vehicle accident	Homicide	Suicide	Injury by firearms	Drug-induced deaths	Alcohol-induced deaths
NAVAJO NATION	625	93	6	*	37	21	23	14	0	53
NEW RIVER / CAVE CREEK	158	37	6	6	*	0	*	*	*	*
NOGALES	160	49	*	*	*	0	*	0	0	*
NORTH GATEWAY / RIO VISTA VILLAGE	100	33	6	*	*	*	*	*	0	*
NORTH MOUNTAIN VILLAGE	1,217	319	66	16	20	13	28	20	55	34
ORO VALLEY	416	123	22	*	*	*	6	7	6	*
PAGE	51	8	*	*	*	0	*	0	*	*
PARADISE VALLEY	105	35	8	*	0	0	*	*	*	*
PARADISE VALLEY VILLAGE	1,291	349	56	23	14	6	24	24	27	23
PARKER	29	13	*	0	*	0	*	0	0	*
PASCUA YAQUI TRIBE	33	*	0	*	*	*	0	*	*	*
PAYSON	389	109	24	*	9	*	9	*	*	*
PEORIA NORTH	642	197	39	12	8	*	11	9	10	*
PEORIA SOUTH	677	206	51	11	7	7	11	11	13	17
PICTURE ROCKS	93	29	*	*	*	0	*	*	*	*
PRESCOTT	743	202	34	8	7	*	10	8	14	11
PRESCOTT VALLEY	623	155	36	15	*	*	22	11	14	8
QUARTZSITE	174	58	15	*	*	0	*	*	0	*
QUEEN CREEK	112	23	6	*	*	*	*	*	7	0
RIO RICO	114	39	*	*	*	0	*	*	*	*
SADDLEBROOKE	203	51	10	*	*	*	*	*	*	*
SAFFORD	109	21	6	*	*	*	*	*	*	*
SAHUARITA	184	55	10	*	0	*	*	*	*	*
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY	88	24	*	*	*	*	*	*	*	14
SAN CARLOS APACHE TRIBE	57	9	0	*	*	*	*	0	*	*
SAN LUIS	108	18	*	*	*	*	*	0	0	*
SAN TAN VALLEY	293	68	21	*	8	*	6	*	10	11
SAN XAVIER	16	*	0	0	0	0	0	0	*	*
SCOTTSDALE CENTRAL	821	228	39	15	*	*	13	8	11	7
SCOTTSDALE NORTH	470	126	28	14	*	0	*	*	*	11
SCOTTSDALE SOUTH	613	198	40	13	*	*	11	8	6	13
SHOW LOW	285	78	16	7	6	0	9	7	8	10
SIERRA VISTA	508	174	31	*	*	*	13	9	*	6
SNOWFLAKE / HEBER	168	46	11	*	*	0	6	*	7	*
SOMERTON	52	12	*	*	*	0	0	0	*	0
SOUTH MOUNTAIN VILLAGE / GUADALUPE	672	172	33	13	24	16	13	22	20	16
SPRINGERVILLE / EAGER	172	54	12	*	*	*	6	6	0	*
SUN CITY	1,276	378	62	18	*	*	7	6	7	6
SUN CITY WEST	774	236	41	11	*	0	10	8	*	8
SUN LAKES	266	83	20	*	0	*	*	*	*	0
SURPRISE NORTH / WICKENBURG	216	61	14	6	*	*	*	6	*	*
SURPRISE SOUTH	753	230	47	8	*	*	11	8	11	10
TANQUE VERDE	124	37	9	*	*	0	*	0	*	*
TEMPE NORTH	580	149	41	14	9	6	24	18	18	15
TEMPE SOUTH	286	79	13	6	*	0	6	*	6	7
THATCHER	128	34	*	*	0	0	*	*	*	0
TOHONO O'ODHAM NATION	95	20	*	*	*	*	*	0	*	6
TUCSON CENTRAL	842	244	37	9	11	8	21	19	43	22
TUCSON EAST	1,080	355	58	15	12	10	16	13	18	21
TUCSON ESTATES	166	45	14	*	*	0	*	*	*	*
TUCSON FOOTHILLS	1,050	298	38	14	14	12	24	22	29	30
TUCSON SOUTH	1,106	297	46	23	27	23	17	32	34	34
TUCSON SOUTH EAST	277	65	13	*	*	*	*	*	6	*
TUCSON WEST	299	91	18	*	*	*	10	7	8	8
VAIL	99	30	11	*	*	0	6	*	*	0
VALENCIA WEST	100	27	6	0	*	*	*	*	*	*
WHITE MOUNTAIN APACHE TRIBE	102	11	0	0	*	*	6	*	7	24
WILLCOX / BOWIE	119	37	6	*	*	*	*	*	*	*
WILLIAMSON	91	24	*	*	*	0	*	*	0	0
WINSLOW	144	37	9	*	*	*	0	0	*	8
YUMA	777	199	31	15	12	7	10	17	19	8
UNKNOWN	1,603	330	50	12	45	29	43	31	52	65

Notes: * Cell suppressed due to non-zero count less than 6.

CHAPTER 10

POPULATION DENOMINATORS, ARIZONA, 2013

10A. POPULATION OF INFANTS, CHILDREN (1-14 YEARS), ADOLESCENTS (15-19 YEARS), YOUNG ADULTS (20-44 YEARS), MIDDLE-AGED ADULTS (45-64 YEARS), AND ELDERLY (65+)

10B. POPULATION BY TEN-YEAR AGE GROUPS (<1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, 85+)

10C. POPULATION BY AGE GROUP, GENDER, AND RACE/ETHNICITY

TABLE 10A-1
POPULATION OF INFANTS, CHILDREN (1-14 YEARS), ADOLESCENTS (15-19 YEARS), YOUNG ADULTS (20-44 YEARS), MIDDLE-AGED ADULTS (45-64 YEARS), AND ELDERLY (65+) BY GENDER, AND COUNTY OF RESIDENCE, ARIZONA, 2013

		<1	1-14	15-19	20-44	45-64	65+	Total
Arizona	**Total**	89,196	1,275,227	470,793	2,170,010	1,594,698	981,128	6,581,054
	Male	45,727	651,277	242,141	1,112,206	775,758	447,951	3,275,060
	Female	43,469	623,950	228,652	1,057,804	818,941	533,178	3,305,994
Apache	**Total**	1,028	16,617	6,125	20,783	18,293	9,334	72,180
	Male	524	8,349	3,141	10,739	8,888	4,308	35,949
	Female	504	8,268	2,984	10,044	9,406	5,026	36,231
Cochise	**Total**	1,970	23,374	8,943	39,109	33,292	24,217	130,906
	Male	1,047	11,984	4,722	21,022	16,190	11,511	66,477
	Female	923	11,390	4,220	18,086	17,103	12,707	64,429
Coconino	**Total**	1,784	24,555	12,627	49,869	33,050	13,810	135,695
	Male	913	12,533	6,076	25,104	16,165	6,468	67,259
	Female	871	12,022	6,550	24,765	16,885	7,342	68,436
Gila	**Total**	665	8,767	3,074	12,051	15,580	13,533	53,670
	Male	340	4,534	1,567	6,157	7,603	6,438	26,638
	Female	325	4,233	1,507	5,895	7,976	7,095	27,032
Graham	**Total**	592	8,449	2,861	13,204	8,184	4,581	37,872
	Male	303	4,248	1,522	7,537	4,304	2,116	20,030
	Female	289	4,201	1,339	5,667	3,880	2,466	17,842
Greenlee	**Total**	148	2,300	935	3,294	2,829	1,406	10,913
	Male	76	1,178	543	1,668	1,559	663	5,687
	Female	72	1,123	392	1,627	1,270	743	5,226
La Paz	**Total**	203	2,892	976	4,073	5,470	7,366	20,979
	Male	104	1,498	510	2,127	2,622	3,843	10,704
	Female	99	1,394	467	1,946	2,848	3,522	10,275
Maricopa	**Total**	54,886	792,919	285,467	1,358,822	935,056	517,709	3,944,859
	Male	28,257	405,526	147,099	688,597	454,878	231,095	1,955,452
	Female	26,628	387,393	138,368	670,225	480,178	286,614	1,989,407
Mohave	**Total**	1,933	30,853	11,901	49,476	58,266	51,162	203,592
	Male	989	15,551	6,104	25,905	28,621	25,221	102,391
	Female	944	15,303	5,797	23,571	29,645	25,941	101,201
Navajo	**Total**	1,709	24,366	8,667	30,299	27,666	15,987	108,694
	Male	874	12,305	4,442	15,723	13,368	7,522	54,234
	Female	834	12,061	4,225	14,576	14,299	8,465	54,460
Pima	**Total**	12,728	173,509	70,271	323,849	250,227	165,462	996,046
	Male	6,458	88,744	35,754	164,417	120,607	74,269	490,249
	Female	6,270	84,765	34,517	159,432	129,620	91,193	505,797
Pinal	**Total**	5,198	82,219	25,797	134,364	86,704	59,531	393,813
	Male	2,599	42,011	13,410	75,997	43,949	28,573	206,539
	Female	2,599	40,208	12,387	58,367	42,755	30,958	187,274
Santa Cruz	**Total**	727	10,998	3,958	13,818	12,500	7,217	49,218
	Male	372	5,606	2,062	6,469	5,721	3,289	23,519
	Female	355	5,391	1,896	7,350	6,779	3,928	25,699
Yavapai	**Total**	1,886	29,920	12,341	49,668	63,339	56,141	213,294
	Male	965	15,158	6,507	25,322	29,963	26,560	104,475
	Female	921	14,762	5,834	24,346	33,376	29,581	108,819
Yuma	**Total**	3,741	43,489	16,850	67,331	44,242	33,671	209,323
	Male	1,906	22,053	8,681	35,422	21,322	16,075	105,459
	Female	1,835	21,436	8,168	31,909	22,920	17,596	103,864

Notes: Totals may not equal sum of parts due to rounding; Non-rounded population denominator tables can be found: http://www.azdhs.gov/plan/

TABLE 10A-2
POPULATION OF INFANTS, CHILDREN (1-14 YEARS), ADOLESCENTS (15-19 YEARS), YOUNG ADULTS (20-44 YEARS), MIDDLE-AGED ADULTS (45-64 YEARS), AND ELDERLY (65+) BY GENDER IN URBAN AND RURAL AREAS[a], ARIZONA, 2013

		<1	1-14	15-19	20-44	45-64	65+	Total
Arizona	**Total**	89,196	1,275,227	470,793	2,170,010	1,594,698	981,128	6,581,054
	Male	45,727	651,277	242,141	1,112,206	775,758	447,951	3,275,060
	Female	43,469	623,950	228,652	1,057,804	818,941	533,178	3,305,994
Urban	**Total**	76,552	1,092,136	398,385	1,884,366	1,316,229	776,373	5,544,041
	Male	39,220	558,333	204,945	964,434	640,755	350,012	2,757,699
	Female	37,332	533,803	193,440	919,933	675,474	426,361	2,786,342
Rural	**Total**	12,644	183,092	72,408	285,644	278,470	204,755	1,037,013
	Male	6,507	92,944	37,196	147,772	135,002	97,939	517,361
	Female	6,137	90,148	35,212	137,872	143,467	106,816	519,652

Notes: [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; Totals may not equal sum of parts due to rounding; Non-rounded population denominator tables can be found:
http://www.azdhs.gov/plan/

TABLE 10B-1
POPULATION BY TEN-YEAR AGE GROUPS, GENDER, AND COUNTY OF RESIDENCE,
ARIZONA, 2013

		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
Arizona	**Total**	89,196	351,077	924,150	937,362	868,888	834,554	834,992	759,706	566,812	301,956	112,360	6,581,054
	Male	45,727	179,148	472,129	486,844	445,906	421,596	414,700	361,058	266,833	139,537	41,580	3,275,060
	Female	43,469	171,929	452,021	450,518	422,981	412,958	420,292	398,648	299,979	162,418	70,780	3,305,994
Apache	**Total**	1,028	4,293	12,324	11,096	7,992	7,819	9,585	8,708	5,795	2,713	826	72,180
	Male	524	2,233	6,116	5,794	4,128	3,958	4,708	4,180	2,757	1,240	312	35,949
	Female	504	2,060	6,207	5,302	3,864	3,861	4,877	4,529	3,038	1,474	515	36,231
Cochise	**Total**	1,970	7,488	15,887	18,056	16,117	13,879	15,959	17,334	14,280	7,563	2,374	130,906
	Male	1,047	3,659	8,325	9,824	8,712	7,208	7,852	8,337	6,865	3,727	919	66,477
	Female	923	3,829	7,561	8,231	7,405	6,671	8,106	8,996	7,415	3,837	1,455	64,429
Coconino	**Total**	1,784	6,941	17,614	28,417	18,464	15,615	16,588	16,462	8,999	3,648	1,164	135,695
	Male	913	3,534	8,999	13,735	9,451	7,993	8,095	8,070	4,363	1,713	393	67,259
	Female	871	3,408	8,615	14,682	9,012	7,621	8,493	8,393	4,636	1,935	771	68,436
Gila	**Total**	665	2,550	6,217	5,623	4,743	4,759	6,858	8,722	8,072	4,213	1,247	53,670
	Male	340	1,339	3,195	2,882	2,502	2,340	3,385	4,219	3,919	2,043	475	26,638
	Female	325	1,211	3,022	2,741	2,241	2,420	3,473	4,503	4,153	2,170	772	27,032
Graham	**Total**	592	2,422	6,027	6,231	5,381	4,453	4,268	3,916	2,595	1,542	445	37,872
	Male	303	1,267	2,982	3,275	3,191	2,593	2,317	1,986	1,241	708	167	20,030
	Female	289	1,155	3,046	2,955	2,190	1,861	1,951	1,929	1,354	834	277	17,842
Greenlee	**Total**	148	602	1,698	1,595	1,379	1,256	1,423	1,406	780	484	142	10,913
	Male	76	300	877	892	695	624	782	777	401	221	41	5,687
	Female	72	302	821	703	683	632	641	629	379	263	101	5,226
La Paz	**Total**	203	777	2,115	1,822	1,643	1,585	2,260	3,209	4,503	2,399	465	20,979
	Male	104	399	1,099	959	876	802	1,096	1,526	2,289	1,322	233	10,704
	Female	99	378	1,016	863	767	782	1,165	1,683	2,213	1,077	232	10,275
Maricopa	**Total**	54,886	217,392	575,527	563,127	548,123	533,039	511,710	423,346	295,317	158,394	63,997	3,944,859
	Male	28,257	111,015	294,510	291,097	277,793	266,806	253,796	201,082	137,352	70,848	22,895	1,955,452
	Female	26,628	106,377	281,017	272,030	270,330	266,233	257,914	222,264	157,966	87,546	41,102	1,989,407
Mohave	**Total**	1,933	7,994	22,859	22,656	19,210	19,511	26,710	31,557	30,614	16,172	4,377	203,592
	Male	989	4,012	11,539	11,728	10,253	10,028	13,324	15,297	15,228	8,220	1,773	102,391
	Female	944	3,982	11,321	10,928	8,958	9,482	13,386	16,260	15,386	7,952	2,603	101,201
Navajo	**Total**	1,709	6,680	17,686	15,350	12,001	11,615	13,831	13,836	9,984	4,634	1,369	108,694
	Male	874	3,384	8,921	8,017	6,233	5,916	6,789	6,578	4,805	2,189	528	54,234
	Female	834	3,296	8,765	7,333	5,768	5,700	7,041	7,257	5,179	2,445	841	54,460
Pima	**Total**	12,728	48,727	124,782	147,907	129,003	117,210	123,883	126,344	92,641	51,533	21,287	996,046
	Male	6,458	24,824	63,920	75,593	65,892	58,687	60,988	59,618	43,048	23,375	7,846	490,249
	Female	6,270	23,903	60,862	72,315	63,111	58,523	62,894	66,726	49,593	28,158	13,441	505,797
Pinal	**Total**	5,198	21,940	60,278	49,807	54,946	55,408	44,762	41,942	37,778	17,650	4,103	393,813
	Male	2,599	11,359	30,652	27,488	30,821	31,099	24,036	19,912	18,191	8,720	1,662	206,539
	Female	2,599	10,581	29,627	22,319	24,126	24,309	20,725	22,030	19,587	8,930	2,441	187,274
Santa Cruz	**Total**	727	2,886	8,112	7,009	5,095	5,672	6,343	6,156	4,322	2,150	745	49,218
	Male	372	1,468	4,139	3,631	2,391	2,509	2,936	2,784	2,031	990	268	23,519
	Female	355	1,418	3,973	3,379	2,704	3,163	3,407	3,372	2,291	1,160	477	25,699
Yavapai	**Total**	1,886	7,610	22,310	23,633	18,783	19,593	27,052	36,286	32,746	17,058	6,336	213,294
	Male	965	3,835	11,323	12,659	9,605	9,565	12,966	16,997	15,691	8,373	2,495	104,475
	Female	921	3,775	10,986	10,974	9,178	10,028	14,087	19,289	17,054	8,685	3,841	108,819
Yuma	**Total**	3,741	12,775	30,714	35,033	26,008	23,139	23,760	20,481	18,387	11,801	3,483	209,323
	Male	1,906	6,521	15,532	19,272	13,364	11,468	11,628	9,694	8,652	5,849	1,574	105,459
	Female	1,835	6,254	15,182	15,761	12,644	11,671	12,132	10,788	9,735	5,952	1,909	103,864

Notes: Totals may not equal sum of parts due to rounding; Non-rounded population denominator tables can be found: http://www.azdhs.gov/plan/

TABLE 10B-2
POPULATION BY TEN-YEAR AGE GROUPS, AND GENDER IN URBAN AND RURAL[a] AREAS, ARIZONA, 2013

		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
Arizona	**Total**	89,196	351,077	924,150	937,362	868,888	834,554	834,992	759,706	566,812	301,956	112,360	6,581,054
	Male	45,727	179,148	472,129	486,844	445,906	421,596	414,700	361,058	266,833	139,537	41,580	3,275,060
	Female	43,469	171,929	452,021	450,518	422,981	412,958	420,292	398,648	299,979	162,418	70,780	3,305,994
Urban	**Total**	76,552	300,834	791,301	795,875	758,080	728,797	704,115	612,114	444,124	239,379	92,870	5,544,041
	Male	39,220	153,719	404,614	413,449	387,869	368,060	350,449	290,306	207,243	108,792	33,976	2,757,699
	Female	37,332	147,115	386,688	382,425	370,211	360,736	353,666	321,808	236,881	130,587	58,894	2,786,342
Rural	**Total**	12,644	50,243	132,849	141,487	110,808	105,757	130,877	147,593	122,689	62,577	19,490	1,037,013
	Male	6,507	25,429	67,515	73,395	58,037	53,536	64,250	70,752	59,590	30,745	7,604	517,361
	Female	6,137	24,814	65,333	68,092	52,770	52,221	66,627	76,841	63,099	31,832	11,886	519,652

Notes: [a] Urban = Maricopa, Pima, Pinal, and Yuma counties; the remaining counties comprise Arizona's rural areas; Totals may not equal sum of parts due to rounding; Non-rounded population denominator tables can be found:
http://www.azdhs.gov/plan/

TABLE 10C-1
POPULATION BY TEN-YEAR AGE GROUPS, GENDER, AND RACE/ETHNICITY, ARIZONA, 2013

		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total
All groups	**Total**	89,196	351,077	924,150	937,362	868,888	834,554	834,992	759,706	566,812	301,956	112,360	6,581,054
	Male	45,727	179,148	472,129	486,844	445,906	421,596	414,700	361,058	266,833	139,537	41,580	3,275,060
	Female	43,469	171,929	452,021	450,518	422,981	412,958	420,292	398,648	299,979	162,418	70,780	3,305,994
White non-Hispanic	**Total**	38,880	153,535	408,363	448,207	449,662	453,028	527,804	555,488	458,569	251,656	96,999	3,842,190
	Male	20,007	78,269	208,838	231,764	229,704	231,646	262,904	264,421	217,849	117,962	36,131	1,899,494
	Female	18,873	75,266	199,525	216,442	219,958	221,382	264,900	291,067	240,720	133,695	60,868	1,942,697
Hispanic or Latino	**Total**	37,427	148,565	394,453	359,767	297,989	269,225	208,108	132,554	69,838	32,869	10,339	1,961,135
	Male	19,107	75,995	201,768	187,465	153,216	133,664	103,356	63,684	32,000	14,224	3,764	988,243
	Female	18,320	72,570	192,685	172,303	144,774	135,562	104,751	68,869	37,837	18,645	6,575	972,892
Black or African American	**Total**	3,995	16,080	42,137	47,889	41,507	37,928	35,136	25,088	12,569	5,539	1,516	269,384
	Male	2,049	8,192	21,795	25,673	22,783	20,505	18,560	12,666	5,975	2,472	465	141,134
	Female	1,946	7,888	20,342	22,216	18,725	17,423	16,576	12,421	6,594	3,068	1,050	128,249
American Indian or Alaska Native	**Total**	5,878	22,294	54,903	55,681	46,338	37,456	36,599	26,678	14,290	6,708	2,210	309,035
	Male	3,008	11,314	27,668	28,485	23,541	18,342	17,321	12,133	6,388	2,799	767	151,765
	Female	2,870	10,980	27,235	27,196	22,797	19,114	19,278	14,545	7,902	3,910	1,443	157,270
Asian or Pacific Islander	**Total**	3,016	10,603	24,294	25,819	33,391	36,916	27,345	19,898	11,548	5,183	1,297	199,310
	Male	1,556	5,379	12,061	13,458	16,663	17,440	12,558	8,152	4,621	2,082	453	94,424
	Female	1,460	5,225	12,233	12,361	16,728	19,476	14,787	11,746	6,926	3,101	844	104,887

Notes: Totals may not equal sum of parts due to rounding; Non-rounded population denominator tables can be found:
http://www.azdhs.gov/plan/

Technical Notes

Sources of Data

Definitions

- **Urban and Rural Areas**
- **Race/Ethnicity**
- **Rates**
- **Terms Related to Reproductive Health**
- **Medical Terms Used on the Birth Certificate**
  - ✓ MEDICAL RISK FACTORS FOR THIS PREGNANCY
  - ✓ COMPLICATIONS OF LABOR AND/OR DELIVERY
  - ✓ ABNORMAL CONDITIONS OF THE NEWBORN
  - ✓ CONGENITAL ANOMALIES OF CHILD
- **Diagnosis and Procedure Codes used to analyze the Hospital Discharge Data**
- **Terms Related to Mortality**

SOURCES OF DATA

Information on births, deaths, and fetal deaths is compiled from the original documents filed with the Arizona Department of Health Services' Office of Vital Records and from transcripts of original birth and death certificates filed in other states but affecting Arizona residents (copies of certificates for births, deaths, and fetal deaths occurring to Arizona residents outside the United States are not sent to Arizona).

Information on induced terminations of pregnancy (abortions) performed on Arizona women is compiled from reports sent to the Arizona Department of Health Services by facilities within but only rarely outside the state.

Pregnancies are the sum of live births, spontaneous terminations of pregnancy (fetal deaths or stillbirths), and abortions.

Arizona has no central registry for marriage and divorce records. Statistics are limited to counts of marriages and divorces reported monthly by the Clerk of the Superior Court in each county in which the marriage or divorce occurred. These reports contain no demographic data on the people marrying or divorcing.

Data on morbidity, levels of disease and disability in the population, are obtained for certain infectious diseases that must be reported by law. The ADHS Epidemiology and Disease Control Services conduct surveillance and monitoring of these reportable diseases and provided data for the morbidity sections in this report.

All State-licensed nonfederal hospitals in Arizona are required to submit uniform patient reports to the Arizona Department of Health Services every six months. Beginning in 2010 the psychiatric hospitals also are subject to reporting requirements. The Section of Cost Reporting and Discharge Data Review in the Bureau of Public Health Statistics collect the information about both hospital inpatient discharges and emergency room visits.

Population denominators for Arizona residents, used to calculate rates for 1980, 1990, 2000 and 2010, are census enumerations from the U.S. Census Bureau. Population denominators for the intercensal years utilize the best available data sources. They are described in detail at http://www.azdhs.gov/plan/

Our website at http://www.azdhs.gov/plan/ provides additional reports and studies, as well as links to other sources of information on topics such as morbidity from certain diseases or population composition.

DEFINITIONS

Urban and Rural Areas

For the purpose of this report, the following are Arizona's **urban areas**: Phoenix-Scottsdale-Mesa Metropolitan Statistical Area (Maricopa and Pinal Counties), Tucson Metropolitan Statistical Area (Pima County), and Yuma Metropolitan Statistical Area (Yuma County). The remaining counties (Apache, Cochise, Coconino, Gila, Graham, Greenlee, La Paz, Mohave, Navajo, Santa Cruz, and Yavapai) comprise Arizona's **rural areas**.

Race/Ethnicity

Racial/ethnic designations used in this report are White non-Hispanic, Hispanic or Latino, Black or African-American, American Indian or Alaska Native (including Aleut and Eskimo), and Asian or Pacific Islander (including Hawaiian). In some of the trend tables the designation "Other" includes Asian and Pacific Islanders for years prior to 2012. Non-White Hispanics are included in their appropriate race groups.

The American Indian figures include those living both on and off the reservation.

The race/ethnicity of mother, father, or decedent is as stated on the certificate.

This year's report includes a new method of combining, or bridging, race/ethnicity for individuals identified as both Hispanic and one other race. This new method allows us to match the categories of race/ethnicity used by the Arizona Department of Administration to create the population projections used as denominators in this report, as well as to create more meaningful racial/ethnic categories by placing individuals identified with both race and ethnicity into the group representing a smaller proportion of Arizona's population. In previous reports, individuals who identified as both Hispanic and any other race were identified as Hispanic. This year, individuals identified as Hispanic plus another race are include in the racial/ethnic category with the lowest population in the state. This approach to bridging is defined as the smallest group deterministic whole method. In this method, individuals identified as both White and Hispanic are classified as Hispanic, where individuals identified as Hispanic and any other race (Black or African American, American Indian or Alaska Native, and Asian or Pacific Islander) are categorized by their racial identification. Race/ethnicity was bridged in the birth, death, and fetal death data, but was left un-bridged in the abortion and HDD data to allow comparison with other reports using differing racial/ethnic categorization.

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, 10,000, 100,000 and so forth).

Many rates shown in this report are based on a small population, a small number of events, or both. Rates based on small numbers are unreliable and thus should be viewed with caution. Rates for many counties or Arizona's ethnic minorities also vary considerably from year to year due to small populations and few events. Finally, the difference in methods used to calculate population denominators can lead to variation in rates that do not accurately reflect changes in the number of events occurring in the population. We recommend analyzing the underlying counts for each event before interpreting variation in rates from 2011 to 2012.

Terms Related to Reproductive Health

Abortion Rate - Number of reported abortions to females of all ages during a calendar year per 1,000 females of childbearing age (15-44 years).

Abortion Ratio - Number of abortions reported during a period per 1,000 live births occurring during the same period.

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, breathes 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. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.

Birth rate - Number of live births during a calendar year per 1,000 population.

Birth weight - The weight of a neonate determined immediately after delivery or as soon thereafter as possible.

Fetal death - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy and which is not an induced termination of pregnancy. The death is indicated by the fact that, after such expulsion or extraction, the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.

Fetal death rate - Number of fetal deaths at 20 or more weeks of gestation per 1,000 live births + fetal deaths.

Fertility rate (general) - Total number of live births to women of all ages during a calendar year per 1,000 *women* of childbearing age (15-44 years old).

Fertility rate (total) - The sum of age-specific birth rates of women at each age group 10-14 through 45-49. Since five-year age groups are used, the sum is multiplied by five.

Infant death - Any death at any time from birth up to, but not including, the first year of age (364 days, 23 hours, 59 minutes from the moment of birth).

Infant mortality rate - Number of infant deaths per 1,000 live births.

Low-birthweight - Any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).

Maternal mortality rate - Number of deaths attributed to maternal conditions (i.e. related to or aggravated by pregnancy or its management) per 100,000 live births.

Neonatal death - Death of a live born 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.

Perinatal mortality rate - The sum of infant deaths of less than 7 days and fetal deaths with a stated or presumed period of gestation of 28 weeks or more per 1,000 live births + fetal deaths of 28 or more weeks of gestation.

Postneonatal death - Any death of a live born 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.

Post term - Any neonate whose birth occurs from the beginning of the first day (295th day) of the 43rd week following onset of the last menstrual period.

Pregnancy rate - The sum of live births, fetal deaths, and induced terminations of pregnancy per 1,000 women of childbearing age (15-44 years old).

Preterm - Any neonate whose birth occurs through the end of the last day of the 37th week (259th day), following onset of the last menstrual period.

Term - Any neonate whose birth occurs from the beginning of the first day (260th day) of the 38th week, through the end of the last of the 42nd week (294th day), following onset of the last menstrual period.

Very Low-Birthweight - Any neonate whose weight at birth is 1,500 grams or less (less than 3 pounds 5 ounces).

Medical Terms Used on the Birth Certificate

Medical risk factors for this pregnancy

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

Cardiac disease - Disease of the heart.

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

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

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

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

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

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

Hypertension, pregnancy-associated - An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation.

Eclampsia - The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.

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

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

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

Renal disease - Kidney disease.

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

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

Complications of labor and/or delivery

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Abnormal conditions of the newborn

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

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

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

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

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

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

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

Seizures - A seizure of any etiology.

Congenital anomalies of child

Anencephalus – Absence of the cerebral hemispheres.

Spina bifida/meningocele – Developmental anomaly characterized by defective closure of the bony encasement of the spinal cord, through which the cord and meninges may or may not protrude.

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

Microcephalus – A significantly small head.

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

Heart malformations – Congenital anomalies of heart.

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

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

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

Omphalocele/Gastroschisis – An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.

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

Malformed genitalia – Congenital anomalies of the reproductive organs.

Renal agenesis – One or both kidneys are completely absent.

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

Cleft lip/palate – Cleft lip is a fissure or elongated opening of the lip; cleft palate is a fissure in the roof of the mouth. These are failures of embryonic development.

Polydactyly/Syndactyly/Adactyly– Polydactyly is the presence of more than five digits on 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.

Down's syndrome – The most common chromosomal defect with most cases resulting from an extra chromosome (trisomy 21).

Diagnosis and Procedure Codes Used to Analyze the Hospital Discharge Data

Diagnostic groupings and code numbers used in Chapter 4 and Chapter 7 are based on the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM).

The tabulations of the hospital inpatient data by first-listed diagnosis and all-listed procedures utilize the diagnostic categories available respectively at http://www.azdhs.gov/plan/hip/cat/icd9primary.xls and http://www.azdhs.gov/plan/hip/cat/icd9procedure.xls .

The ICD-9-CM diagnostic categories used to identify specific mental disorders are available online at http://www.azdhs.gov/plan/hip/for/mental/2012/mental112.xls

Terms Related to Mortality

The most common, and perhaps the most valuable, measure of the likelihood (or risk) of death in the specified population during a particular time is the ***crude death rate***. It is computed as the number of deaths per 1,000 or 100,000 population.

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	2013 population	2013 deaths	Age-specific rates in 2013	2000 standard	Age-adjusted rate for 2013
A	B	C	D (C/B)*100000	E	F D*E
<1	89,196	447	501.1	.013818	6.9
1-4	351,077	131	37.3	.055317	2.1
5-14	924,150	121	13.1	.145565	1.9
15-24	937,362	663	70.7	.138646	9.8
25-34	868,888	1,081	124.4	.135573	16.9
35-44	834,554	1,585	189.9	.162613	30.9
45-54	834,992	3,418	409.3	.134834	55.2
55-64	759,706	6,480	853.0	.087247	74.4
65-74	566,812	9,091	1603.9	.066037	105.9
75-84	301,956	12,091	4004.2	.044842	179.6
85+	112,360	14,801	13172.8	.015508	204.3
All ages	6,581,054	49,929		TOTAL	**Σ = 687.8**

The age-adjusted mortality rates should be viewed as relative indexes rather than as actual measures of mortality risk. It is also important to note that age-adjusted rates can only be compared to other age-adjusted rates that use the same population standard.

In this report, all age-adjusted mortality rates are based on the 2000 standard, and they CANNOT BE compared to rates using the 1940 standard population.

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

Alcohol-induced deaths – This category was expanded in 2003. Causes of death attributable to alcohol mortality include mental and behavioral disorders due to alcohol use, degeneration of nervous system due to alcohol use, 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 alcohol, poisoning by alcohol, undetermined intent.

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 before and after the implementation of ICD-10 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. Comparability-modified number of deaths and mortality rates are shown for the four causes of death for which the discontinuity in trend is substantial (influenza and pneumonia, Alzheimer's disease, nephritis, or septicemia).

Drug-induced deaths – This category was expanded in 2003. Causes of death attributable to drug-related mortality include mental and behavioral disorders due to psychoactive substance use, accidental poisoning by and exposure to drugs, suicide by drugs, homicide by drugs and poisoning by drugs, undetermined intent

Firearm mortality – Causes of death attributable to firearm mortality include accidental discharge of firearms, suicide by firearms, homicide by firearms, legal intervention involving discharge of firearms, terrorism involving firearms and discharge of firearms, undetermined intent.

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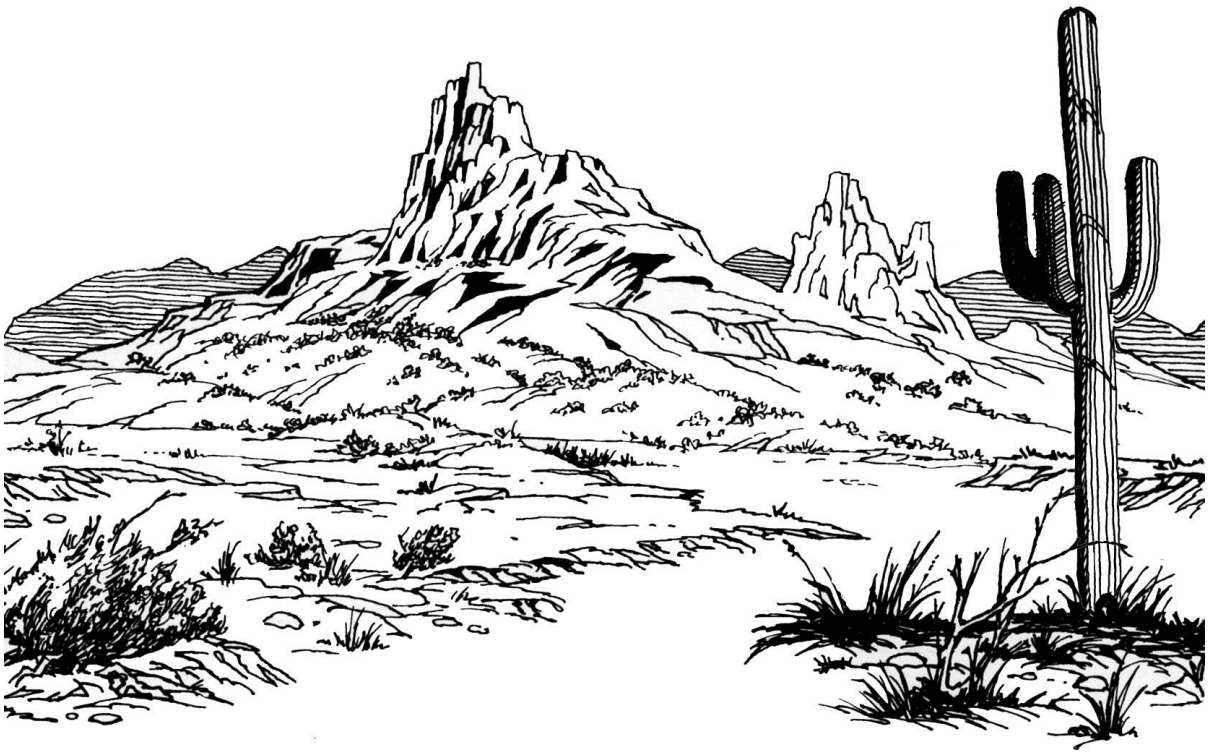
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Our Web site at http://www.azdhs.gov/plan provides access to a wide range of statistical information about the health status of Arizonans. The Arizona Health Status and Vital Statistics annual report examines trends in natality, mortality, and morbidity towards established health objectives. In addition to the print and original online versions, the 2013 report is made available as a mobile-friendly e-book. Additional reports and studies include Advance Vital Statistics by County of Residence, Injury Mortality among Arizona Residents (accidents, suicides, homicides, legal intervention, firearm-related fatalities, drug-related deaths, drowning deaths, falls among Arizonans 65 years or older), Hospital Inpatient and Emergency Room Statistics (first-listed diagnosis, procedures, mental disorders, asthma, diabetes, influenza and pneumonia, and substance abuse), Community Vital Statistics, Teenage Pregnancy, Differences in Health Status Among Racial/Ethnic Groups, and Health Status Profile of American Indians in Arizona.



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