

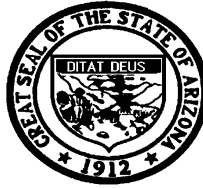


**HEART DISEASE VS. CANCER:
AN EPIDEMIOLOGIC TRANSITION IN
MORTALITY RISKS
ARIZONA RESIDENTS, 2006-2016**



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**HEART DISEASE VS. CANCER:
AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS
ARIZONA RESIDENTS, 2006-2016**

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FEBRUARY 2018

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

TABLE OF CONTENTS

PURPOSE	1
METHODS AND SOURCES	1
DATA ORGANIZATION	3
SUMMARY OF FINDINGS	4
FIG 1 Crude Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), United States, 1900-2016.....	5
FIG 2 Age-Adjusted Mortality Rates for Disease of the Heart and Malignant Neoplasms (Cancer), Arizona Residents, 2006-2016	6
FIG 3 Comparison of Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), Arizona Residents, 1980, 1990, 2000, 2010 and 2016	7
FIG 4 Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), Arizona Female Residents, 2006-2016	8
FIG 5 Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), Arizona Male Residents, 2006-2016.....	9
FIG 6 Age-Adjusted Mortality Rates for Diseases of the Heart by Gender and Year, Arizona Residents, 2006-2016	10
FIG 7 Age-Adjusted Mortality Rates for Malignant Neoplasms (Cancer) by Gender and Year, Arizona Residents 2006-2016	11
FIG 8 Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), Arizona White non-Hispanic Residents, 2006-2016	12
FIG 9 Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), Arizona Hispanic or Latino Residents, 2006-2016	13
FIG 10 Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), Arizona Black or African American Residents, 2006-2016	14
FIG 11 Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), Arizona American Indian or Alaska Native Residents, 2006-2016.....	15
FIG 12 Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), Arizona Asian or Pacific Islander Residents, 2006-2016	16
FIG 13 Number of Deaths from Diseases of the Heart and Malignant Neoplasms (Cancer), by Year, Arizona Residents, 2006-2016	17
FIG 14 Number of Deaths from Diseases of the Heart and Malignant Neoplasms (Cancer), among Arizona Residents 0-84 Years Old, 2006-2016	18
FIG 15 Number of Deaths from Diseases of the Heart and Malignant Neoplasms (Cancer), among Arizona Residents 85+ Years Old, 2006-2016	19
FIG 16 Proportion of Deaths from Diseases of the Heart by Gender among Arizona Residents 0-84 and 85+ Years Old, (based on cumulative number of deaths for 2006-2016)	20
FIG 17 Proportion of Deaths from Malignant Neoplasms (Cancer) by Gender among Arizona Residents 0-84 and 85+ Years Old, (based on cumulative number of deaths for 2006-2016)	21
FIG 18 Median Age at Death from Diseases of the Heart and Malignant Neoplasms (Cancer), by Gender among Arizona Residents, 2016	22
FIG 19 Percent Deaths Before Expected Years of Life Reached from Diseases of the Heart and Malignant Neoplasms (Cancer), by Gender among Arizona Residents, 2016.....	23
FIG 20 Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer), by Race/Ethnicity among Arizona Residents, 2016	24
FIG 21 Trends in Age-Specific Mortality Rates for Diseases of the Heart among Selected Age Groups of Arizona Residents, 2006-2016	25
FIG 22 Trends in Age-Specific Mortality Rates for Malignant Neoplasms (Cancer) among Selected Age Groups of Arizona Residents, 2006-2016.....	26
FIG 23 Rates of Inpatient Discharges with Diseases of the Heart or Malignant Neoplasms (Cancer) as First-listed Diagnosis by Year, Arizona Residents, 2006-2016	27
FIG 24 Rates of Inpatient Discharges with Diseases of the Heart as First-listed Diagnosis by Gender and Year, Arizona Residents 2006-2016	28
FIG 25 Rates of Inpatient Discharges with Malignant Neoplasms (Cancer) as First-listed Diagnosis by Gender and Year, Arizona Residents 2006-2016	29

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

LIST OF TABLES

TABLE 1	Trends in Age-Adjusted Mortality Rates for Diseases of the Heart and Malignant Neoplasms (Cancer) by Race/Ethnicity, Gender, and Year, Arizona, 2006-2016	31
TABLE 2	Number of Deaths from Diseases of the Heart and Malignant Neoplasms (Cancer) by Year and the Difference in the Annual Mortality among Arizona Residents, 2006-2016.....	32
TABLE 3	Age Composition of Mortality from Diseases of the Heart and Malignant Neoplasms (Cancer) among White non-Hispanics, Weighted Age-Specific Mortality Rates and the Difference in Age-Adjusted Death Rates, Arizona, 2016	33
TABLE 4	Number of Deaths from Malignant Neoplasms (Cancer) and Diseases of the Heart by Race/Ethnicity, Gender, and Year among Arizonans 0-84 Years Old, 2006-2016	34
TABLE 5	Number of Deaths from Malignant Neoplasms (Cancer) and Diseases of the Heart by County of Residence, Gender, and Year among Arizonans 0-84 Years Old, 2006-2016	35
TABLE 6	Number of Deaths from Malignant Neoplasms (Cancer) and Diseases of the Heart by Race/Ethnicity, Gender, and Year among Arizonans 85+Years Old, 2006-2016	38
TABLE 7	Number of Deaths from Malignant Neoplasms (Cancer) and Diseases of the Heart by County of Residence, Gender, and Year among Arizonans 85+Years Old, 2006-2016	39
TABLE 8	Proportional Mortality by Gender from Diseases of the Heart and Malignant Neoplasms (Cancer) among Arizonans 0-84 and 85+ Years Old (based on cumulative number of deaths for 2006-2016).....	42
TABLE 9	Proportional Mortality by Gender from Diseases of the Heart and Malignant Neoplasms (Cancer) among Arizonans 0-84 and 85+ Years Old by Year, 2006-2016	43
TABLE 10	Number of Deaths from Diseases of the Heart by Race/Ethnicity, Gender, Age Group, and Year, Arizona, 2006-2016.....	44
TABLE 11	Number of Deaths from Malignant Neoplasms (Cancer) by Race/Ethnicity, Gender, Age Group, and Year, Arizona, 2006-2016.....	50
TABLE 12	Age-Specific Mortality Rates for Diseases of the Heart by Race/Ethnicity, Gender, Age Group, and Year, Arizona, 2006-2016.....	56
TABLE 13	Age-Specific Mortality Rates for Malignant Neoplasms (Cancer) by Race/Ethnicity, Gender, Age Group, and Year, Arizona, 2006-2016.....	62
TABLE 14	Rates of Inpatient Discharges with Heart Disease or Malignant Neoplasms (Cancer) as First-listed Diagnosis by Gender and Year, Arizona Residents, 2006-2016	68

PURPOSE

The purpose of our report is to provide Arizona-specific evidence of the epidemiologic transition¹ in the two leading causes of mortality, and to discuss both, the reasons for this transition, as well as the implications. The theory of epidemiologic transition identifies mortality as a fundamental force in population change. During the earlier stage of the transition, infectious diseases in general, including tuberculosis started to decline. In 1900², the top three causes of death in the United States consisted of *pneumonia & influenza* (202.2 deaths per 100,000 persons), *tuberculosis* (194.4/100,000), and *diarrhea, enteritis, ulceration of the intestines* (142.7/100,000). *Diseases of the heart* ranked four (137.4/100,000), and *cancer* was the 8th leading cause of death (64.0/100,000).

Both diseases of the heart and malignant neoplasms (cancer) belong to, what Omran classifies as, the degenerative diseases replacing infectious diseases in Western countries throughout the 20th century. For over 100 years mortality from diseases of the heart exceeded the mortality from cancer, as measured by the age adjusted mortality rate. However, cancer surpassed heart disease to become the leading cause of death in 2009-2010 and then 2012-2015. In 2016, the risk of death from heart disease exceeded mortality risk from cancer. The current stage of the epidemiologic transition is a manifestation of the gradual decline in mortality rates for diseases of the heart without the equivalent decline in the mortality rates for cancer.

METHODS AND SOURCES

Three data sources are utilized in this publication: the death certificate database, the hospital discharge database, and the population denominator databases. The death certificate database contains demographic characteristics of the deceased (age, gender, race/ethnicity, marital status, educational attainment), and cause of death. For the purpose of mortality statistics, every death is attributed to one underlying (i.e. primary) 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. Since 2000, the causes of death are classified by the Tenth Revision of the International Classification of Diseases (ICD-10), replacing the Ninth Revision used during 1979-1999.

¹Abdel R. Omran: **The Epidemiologic Transition Theory: A Preliminary Update.** *Journal of Tropical Pediatrics*, vol. 29, December 1983.

²*Vital Statistics Rates in the United States 1900-1940.* United States Government Printing Office, Washington: 1943

The deaths due to malignant neoplasms (cancer) are classified by the ICD-10- category codes C00-C97. In ICD-9, the corresponding category codes are 140-208. Mortality from the diseases of the heart is classified by the ICD-10 category codes I00-I09, I11, I13, and I20-I51. The ICD-9 category codes defining the diseases of the heart are as follows 390-398, 402, 404, 410-429.

The descriptive subcategories comprising the **diseases of the heart** include acute rheumatic fever and chronic rheumatic heart diseases, hypertensive heart disease, hypertensive heart and renal disease, ischemic heart diseases (acute myocardial infarction, other acute ischemic heart diseases, other forms of chronic ischemic heart disease, atherosclerotic cardiovascular disease so described, all other forms of chronic ischemic heart disease), other heart diseases (acute and subacute endocarditis, diseases of pericardium and acute myocarditis, heart failure, and all other forms of heart disease).

The descriptive categories comprising **malignant neoplasms (cancer)** include malignant neoplasms of lip, oral cavity and pharynx, malignant neoplasm of esophagus, malignant neoplasm of stomach, malignant neoplasm colon, rectum and anus, malignant neoplasms of liver and intrahepatic bile ducts, malignant neoplasm of pancreas, malignant neoplasm of larynx, malignant neoplasm trachea, bronchus and lung, malignant neoplasm of skin, malignant neoplasm of breast, malignant neoplasm of cervix uteri, malignant neoplasm of corpus uteri and uterus, part unspecified, malignant neoplasm of ovary, malignant neoplasm of prostate, malignant neoplasm kidney and renal pelvis, malignant neoplasm of bladder, malignant neoplasm meninges, brain and other parts of the nervous system, malignant neoplasm of lymphoid, hematopoietic and related tissue (Hodgkin's disease, Non-Hodgkin's lymphoma, leukemia, multiple myeloma and immunoproliferative neoplasms, other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue), and all other and unspecified malignant neoplasms.

Several data tables (Table 2B-6, Table 2C-27, Table 2C-28, Table 5E-11, and Table 5E-12) in the annually updated Arizona Health Status and Vital Statistics report (<http://pub.azdhs.gov/health-stats/report/ahs/index.php>) provides the frequency counts of deaths and mortality rates for each of the above detailed subcategories.

Race/ethnic designations used in this report are White non-Hispanic, Hispanic or Latino (who are either White or identify themselves with "other race group", i.e., other than Asian, Black, or American Indian), Black or African American, American Indian or Alaska Native (including Aleut and Eskimo) and Asian or Pacific Islander (including Hawaiian). Asian, Black, or American Indian Hispanics are included in their appropriate race groups. The American Indian figures include those living both on and off the reservation.

The primary focus of this publication is on the comparative mortality risks associated with the diseases of the heart and malignant neoplasms (cancer). However, we also utilize the hospital discharge database to explore the temporal changes in inpatient hospitalization patterns with the principal diagnosis of heart disease or cancer. 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 and included more than once in the hospital inpatient discharge data set; thus, the hospitalization rates we report here are for discharges, not persons.

The population denominator datasets used to compute the age-specific and age-adjusted mortality rates for Arizona residents for 2006-2016, as well as hospitalization rates for 1995-2016, are available online at (<http://pub.azdhs.gov/health-stats/menu/info/pop/index.php>).

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). 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**. The crude death rates for 1990-2016 shown in figure 1 were computed as the number of deaths per 100,000 population.

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-population (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.

For comparison with the national data, the rates of inpatient discharges (hospitalizations) are expressed per 10,000 population.

DATA ORGANIZATION

The introductory part of this publication is focused on temporal changes in mortality rates for diseases of the heart and malignant neoplasm (cancer) in 1900-2016 (Figure 1 – Figure 12). It is followed by the cause-specific mortality counts and gender-specific proportions for two age groups: Arizonans 0-84 years old and those 85 years or older (Figure 13 – Figure 17). Gender-specific differences in the median age at death and the cause-specific proportions of mortality before reaching the expected years of life are presented in Figure 18 – Figure 19. Trends in the age-specific mortality rates for diseases of the heart and cancer are shown in Figure 21 and Figure 22. The final part of the report looks at inpatient hospitalization patterns by gender and year for 2006-2016, with heart disease or cancer as the primary diagnoses.

SUMMARY OF FINDINGS

✓ The age-adjusted cancer mortality rate declined by 9.1 percent from 154.7 deaths per 100,000 population in 2006 to 140.7 per 100,000 population in 2016. The age-adjusted mortality rate for diseases of the heart decreased by 14.2 percent – 1.5 times the decline in cancer mortality rates – from 166.1 deaths per 100,000 population in 1980 to 142.5/100,000 in 2016. In Arizona, the relative risk of death from the two leading causes narrowed from 7.4 percent greater for heart disease in 2006 to 1.3 percent greater in 2016.

✓ In 2006, 594 more Arizonans died from diseases of the heart than cancer. In 2016, the number of deaths from heart disease exceeded the number of cancer deaths by 19.

✓ During the 2006-2016 period, cancer was leading as the number one cause of death among Arizonans aged 0-84 years, as measured by the number of deaths. In 2006, the annual number of cancer deaths exceeded the number of deaths from heart disease by 1,624. In 2016, 2,502 more Arizonans 0-84 years old died from cancer (9,743) than heart disease (7,241).

✓ It is only among the oldest, 85 or older, that heart disease continues to be the number one cause of death, as measured by the number of deaths. In 2016, the elderly aged 85 years or older accounted for 17.4 percent of all deaths from cancer but 38.7 percent of all deaths from heart disease. In 2016, the median age at death from heart disease was 80 years (84 years among females, 77 years among males) and only a minority of deaths (53.4 percent among males; 33.7 percent among females) was premature, i.e., before reaching the expected years of life at birth for all U.S. residents (78.8 years 2016).

✓ In contrast, there was no gender difference in the median age of cancer, both Arizona females and males who died from cancer did so at age 73.

✓ From 2006 to 2016, the number of deaths from cancer increased 1.4 times among Arizonans 85 years or older, a similar growth recorded for diseases of the heart (1.3) during the same period.

✓ Only among Asians that the relative risk of death from cancer exceeded the mortality risk of death from heart disease in 2016.

✓ The epidemiologic transition to a mortality risk greater for cancer than heart disease occurred for a brief period and stopped in 2016. The implications of this increase are: lowering of the average age at death and increasing the age-adjusted mortality rates (because the weights assigned to mortality at younger ages are substantially greater than the weights associated with mortality of those who are 65 years old or older).

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

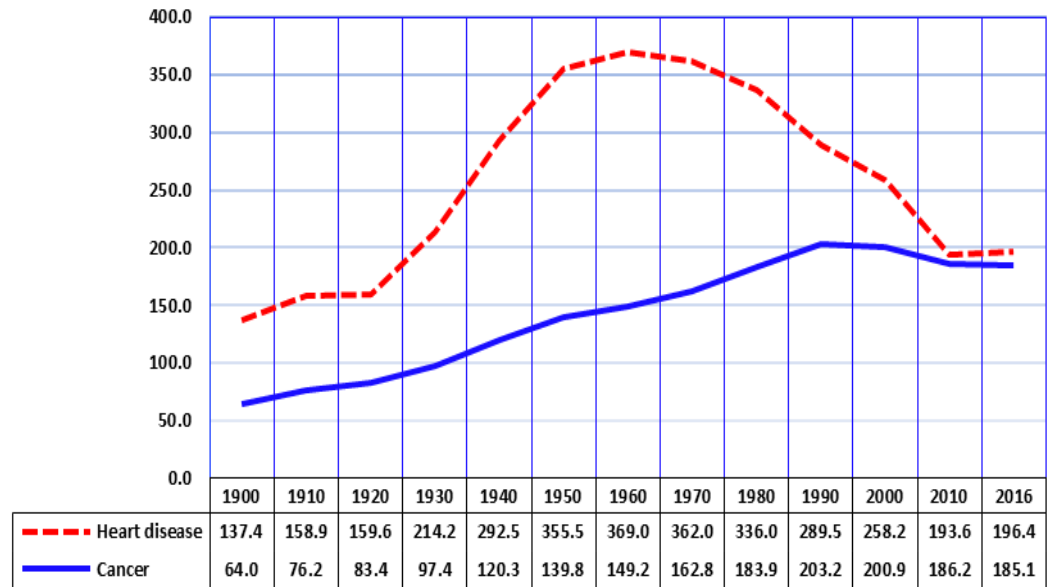
Figure 1 provides the crude death rates (the number of death from a specific cause per 100,000 resident population) for the entire United States. From years 1900 and every 10 years until 1970 the risk of death from diseases of the heart was more than 2 times greater than the risk of death from cancer; except for 1920, where it was a 1.9 greater risk.

Unlike age-adjustment mortality rates, crude death rates are rather imperfect measures of changes in mortality risks over time, because they are affected by the changes in the age composition of the population at risk (increasing proportion of older persons is likely to raise the mortality rates). On the other hand, the crude death rate is an easy to interpret probability number, expressing the likelihood of death for persons in a given group.

If a comparison of crude rates is a comparison of the mortality experience of populations that may differ in age distribution, the rates in **Figure 1** also are unadjusted for the numerous changes in the definitions of heart disease and cancer as adopted by the periodic revisions of the International Classification of Diseases (ICD). Each of these revisions produces breaks in the continuity of cause-of-death statistics.

The crude mortality rate for heart disease peaked in 1960 at 369 deaths per 100,000 persons, 2.5 times greater than the cancer death rate of 149.2/100,000. In 1970 we see a decline in heart disease deaths from 362 deaths to 193 in 2010.

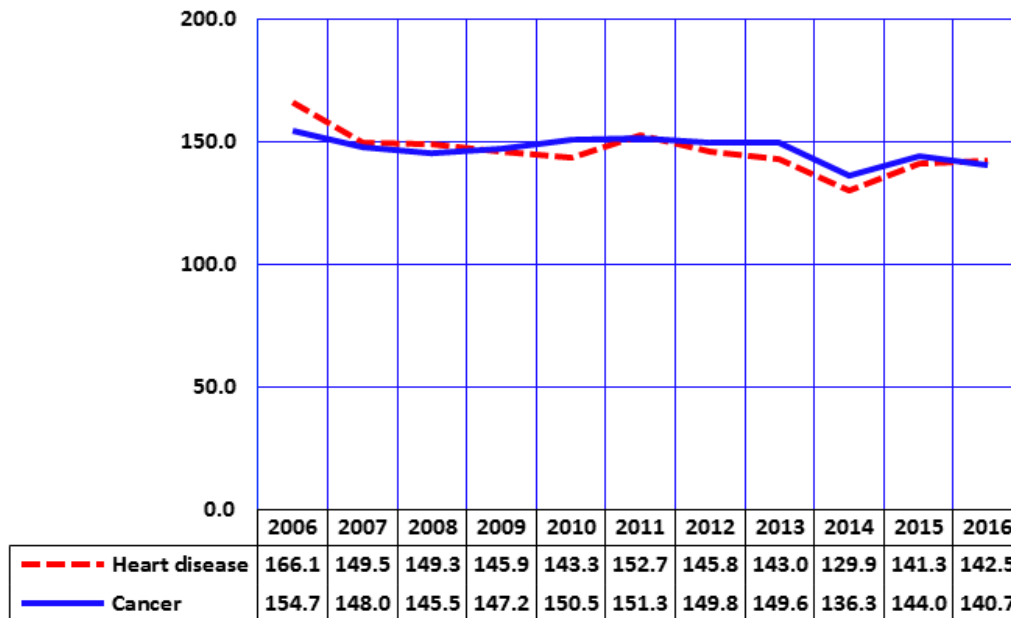
**FIGURE 1
CRUDE MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), UNITED STATES, 1900-2016**



Sources: *Vital Statistics Rates in the United States 1900-1998*. www.cdc.gov/nchs/data/dvs/lead1900_98.pdf.
 Deaths: Leading causes for 2000 https://www.cdc.gov/nchs/data/nvsr/nvsr50/nvsr50_16.pdf.
 Deaths: Leading causes for 2010 https://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_04.pdf.
 Deaths: Leading causes for Preliminary data for 2016 www.cdc.gov/nchs/products/vsrr/mortality-dashboard.htm#trends.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 2
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA RESIDENTS, 2006-2016



Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

All mortality rates for 2006-2016 in **Figure 2 – Figure 12** are not only age-adjusted but also Arizona specific.

In 2006, the mortality rate for diseases of the heart (166.1 deaths per 100,000 population) exceeded by 7.4 percent the cancer death rate of 154.7/100,000; in 2008 the mortality rate for diseases of the heart (149.3 deaths per 100,000 population) exceeded by 2.6 percent the cancer death rate of 145.5. (**Table 1, Figure 2**).

In 2009, a crossover occurred, causing the cancer death rate to surpass the heart disease mortality rate for two consecutive years. In 2011, heart disease mortality rate slightly peaked, then again declined from 2012-2015, making cancer the leading cause of death for four consecutive years. In 2016, however cancer mortality was lower than heart disease mortality risk.

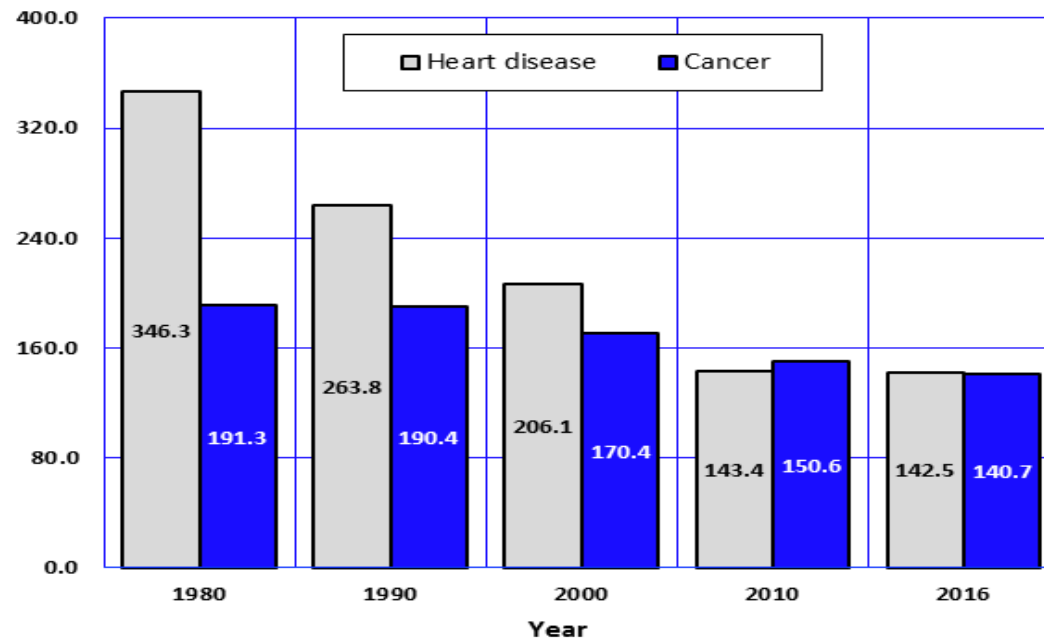
HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

In Arizona, the relative risk of death from the two leading causes narrowed from 81 percent greater for heart disease in 1980 to 21 percent greater in 2000. But in 2010 cancer exceeded heart disease by 4.8 percent (**Figure 3**). In 2016, heart disease surpassed cancer by 1.3 percent.

In 1980, 2,660 more Arizonans died from diseases of the heart (7,094) than cancer (4,434). In 2000, the number of deaths from heart disease (10,430) exceeded the number of cancer deaths (8,994) by 1,436 then from 2010-2015 it was cancer deaths which surpassed diseases of the heart.

The unintended consequence of the reduction in heart disease mortality is that cancer replaced diseases of the heart as the leading cause of death in 2010 through 2015.

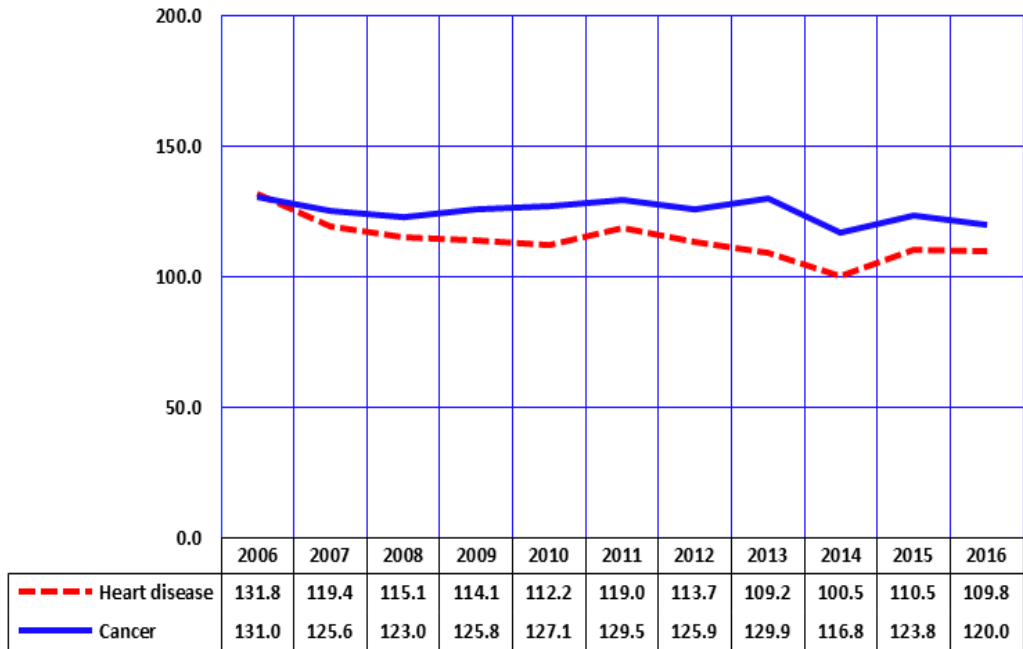
FIGURE 3
COMPARISON OF AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA RESIDENTS, 1980, 1990, 2000, 2010, AND 2016



Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 4
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA FEMALE RESIDENTS, 2006-2016



Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

In 2006, the differences in heart disease mortality (131.8) and cancer (131.0) among female residents were miniscule. In 2007, the cancer mortality rates exceeded the mortality rates for diseases of the heart among Arizona females (**Figure 4**).

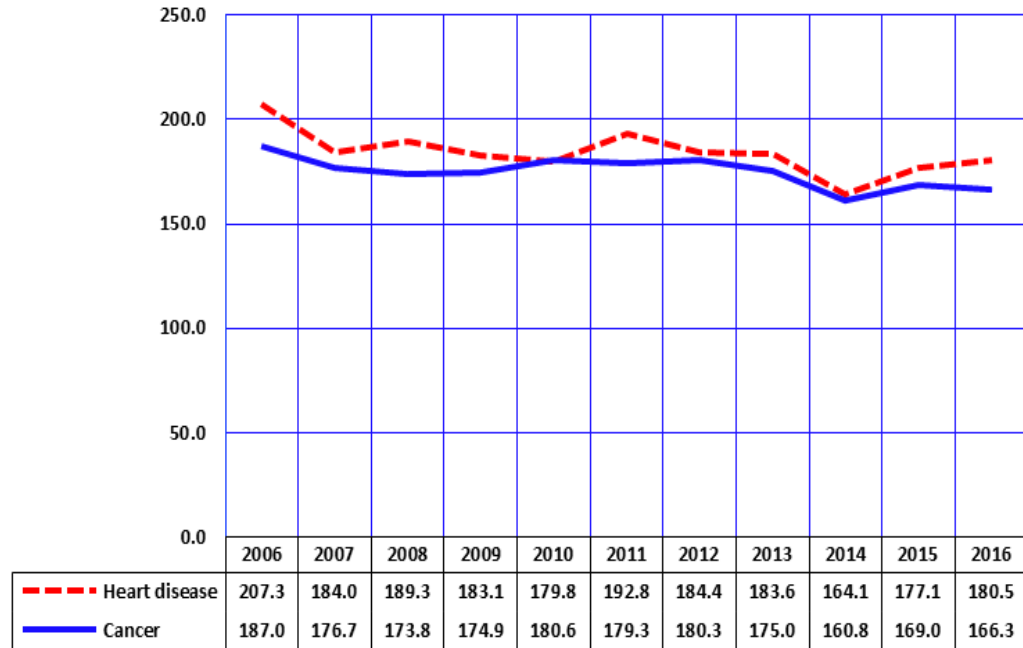
In 2016, cancer still remained the leading cause of death among Arizona females. Except for Blacks or African American and American Indian or Alaska Natives, cancer was the number one cause of death among Arizona females in all other racial/ethnic groups^a. Diseases of the heart were the 2nd leading cause of female mortality among White non-Hispanic, Hispanic or Latino, and Asian or Pacific Islander females.

^a Table 2B-4 in Arizona Health Status and Vital Statistics 2016 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2016/pdf/2b4.pdf>

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

From 2006 to 2009, the age-adjusted mortality rates for diseases of the heart exceeded the age-adjusted mortality rates for cancer among Arizona males (**Figure 5**). However in 2010, cancer has surpassed heart disease as the leading cause of death among Arizona male residents. In 2016, only among Hispanic or Latino and Asian or Pacific Islander males was cancer the number one cause of death^a. Diseases of the heart followed by cancer were the two leading causes of death among White non-Hispanic and Black or African American males. Unintentional injury was the first leading cause of death among American Indian or Alaska Native males, followed by diseases of the heart and cancer.

FIGURE 5
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA MALE RESIDENTS, 2006-2016

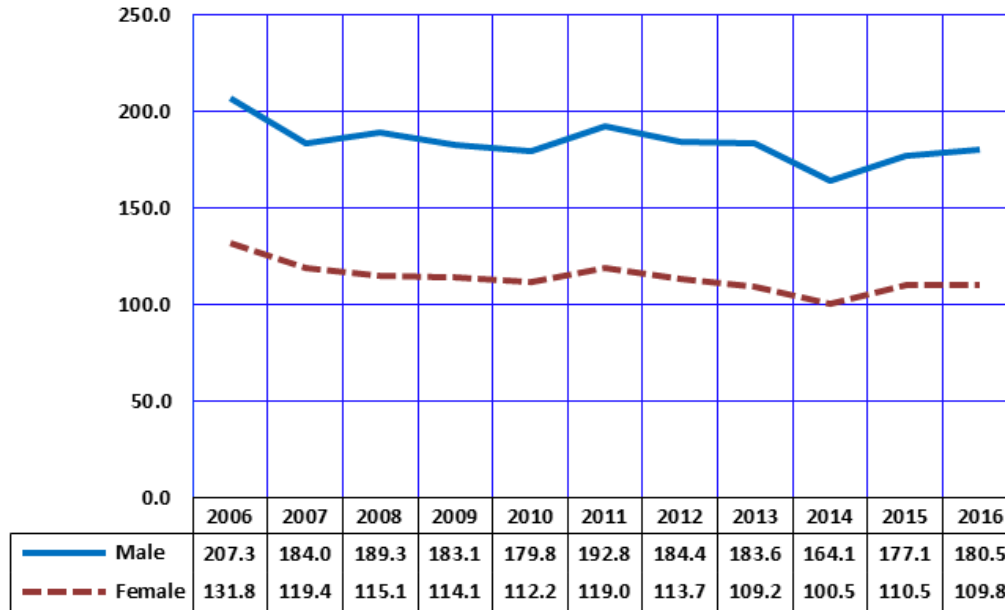


^a Table 2B-4 in Arizona Health Status and Vital Statistics 2016 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2016/pdf/2b4.pdf>

Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 6
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART BY GENDER AND YEAR,
ARIZONA RESIDENTS, 2006-2016



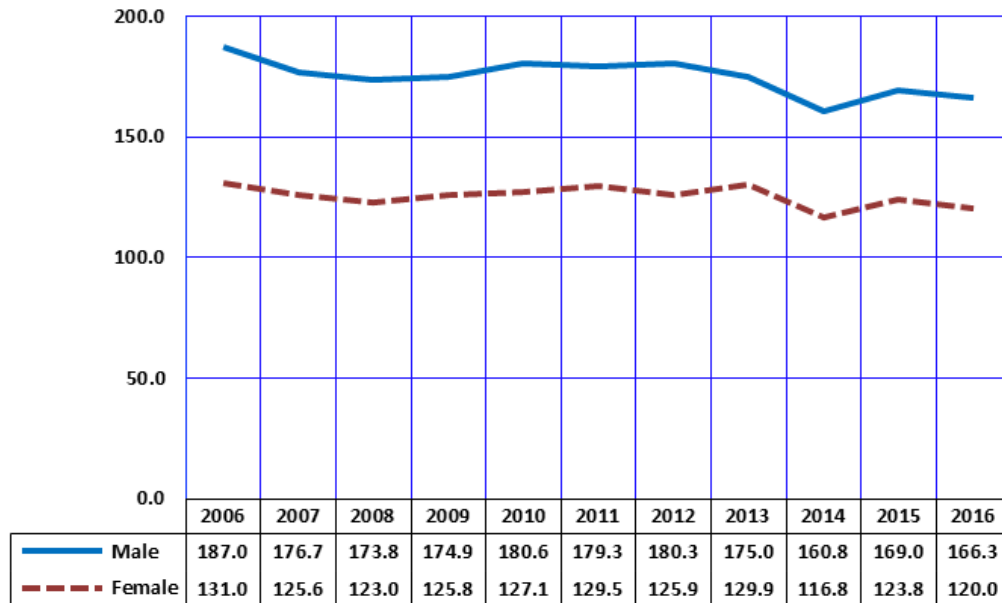
In each of the 26 years from 1990 to 2016, Arizona male mortality rates for diseases of the heart were greater than the rates of their female counterparts (**Figure 6**). Both genders experienced a substantial (more than 40 percent) decline in their mortality risk since 1990; however, the male to female differential in mortality risk remained unchanged at 1.6 times greater for males than females.

Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

In each of the 26 years from 1990 to 2016, Arizona male mortality rates for cancer also were greater than the rates of their female counterparts (**Figure 7**). From 1990 to 2008, the male mortality rate declined by 27 percent, compared to a 21 percent decline among females. The male to female differential in the cancer mortality risk changed from 1.5 times greater for males than females in 1990 to 1.4 greater in 2008.

FIGURE 7
AGE-ADJUSTED^a MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER),
BY GENDER AND YEAR, ARIZONA RESIDENTS, 2006-2016

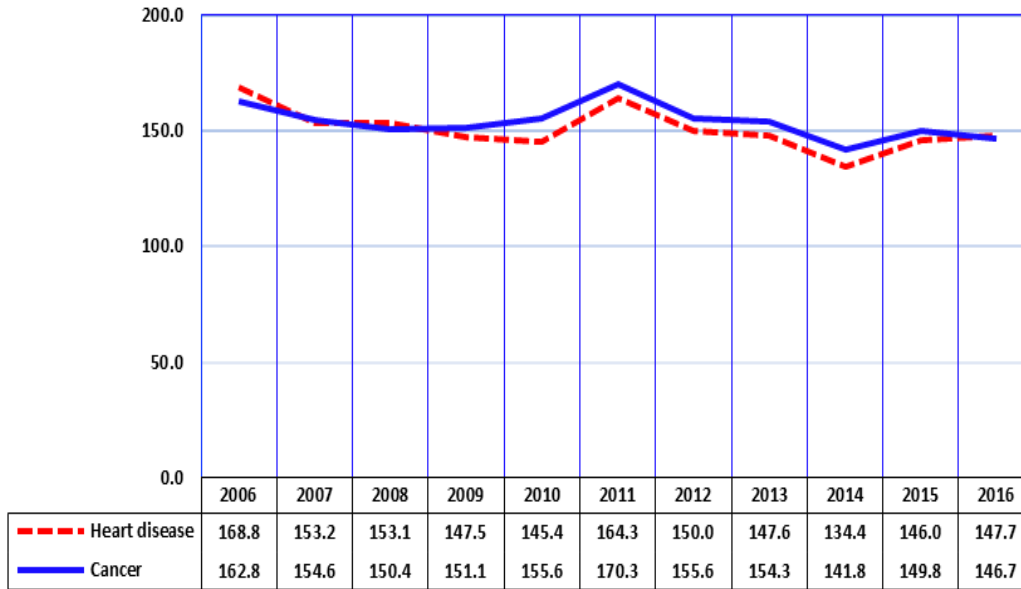


^a Table 2B-4 in Arizona Health Status and Vital Statistics 2016 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2016/pdf/2b4.pdf>

Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 8
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA WHITE NON-HISPANIC RESIDENTS, 2006-2016



Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

In both 2007 and 2008, the age-adjusted mortality rates for cancer (154.6 and 150.4 respectively), among White non-Hispanic residents of Arizona exceeded by less than 1 percent the mortality rates for heart disease (153.2 and 153.1 Table 1, Figure 8). The same pattern was observed in 2016 as well.

It is important to note here that the ranking of causes of death using the total number of deaths for all ages may differ from the ranking based on the age-adjusted mortality rates, which summarize the weighted age-specific mortality rates into a single rate for all ages. Among White non-Hispanics the total number of deaths from diseases of the heart (10,147) exceeded the total number of deaths from cancer (9,955) in 2007. In contrast, the age-adjusted mortality for diseases of the heart was slightly lower (153.2) than the cancer mortality (154.6) because of the differences in the age-specific mortality.

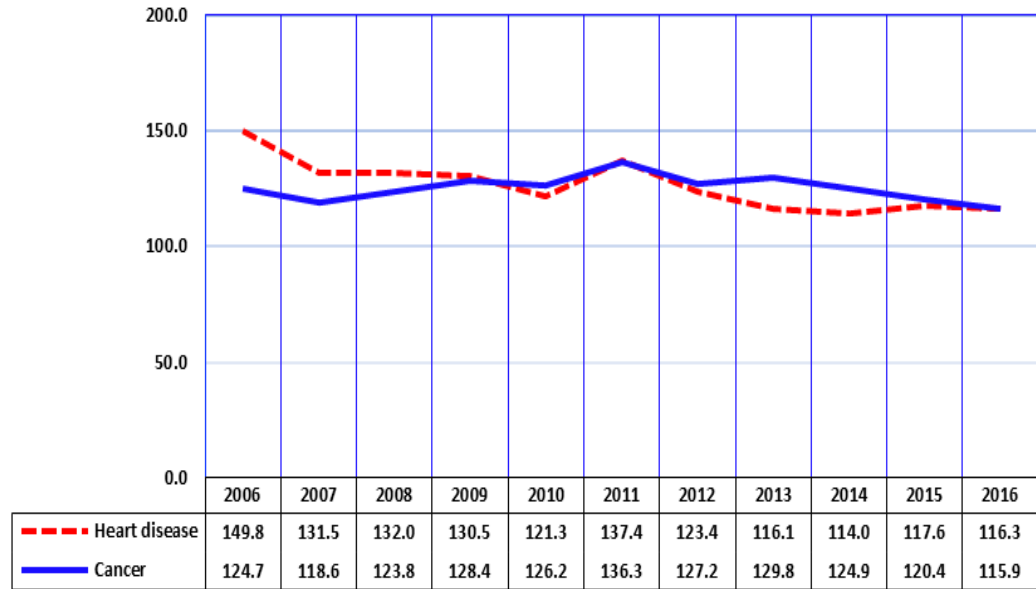
In 2016, White non-Hispanic Arizonans 75 years or older accounted for six out of ten deaths from heart disease (66.3 percent; Table 3), while those younger than 75 years accounted for the absolute majority of death from cancer (53.3 percent).

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

The evidence of the transition in mortality risks for diseases of the heart and cancer applies not only to White non-Hispanics, but to other racial/ethnic groups as well.

Among Hispanic or Latino residents of the State, the mortality differential slightly narrowed down from 1.2 times greater mortality rate for heart disease than cancer in 2006 to a ratio of 1 in 2016 (**Figure 9, Table 1**).

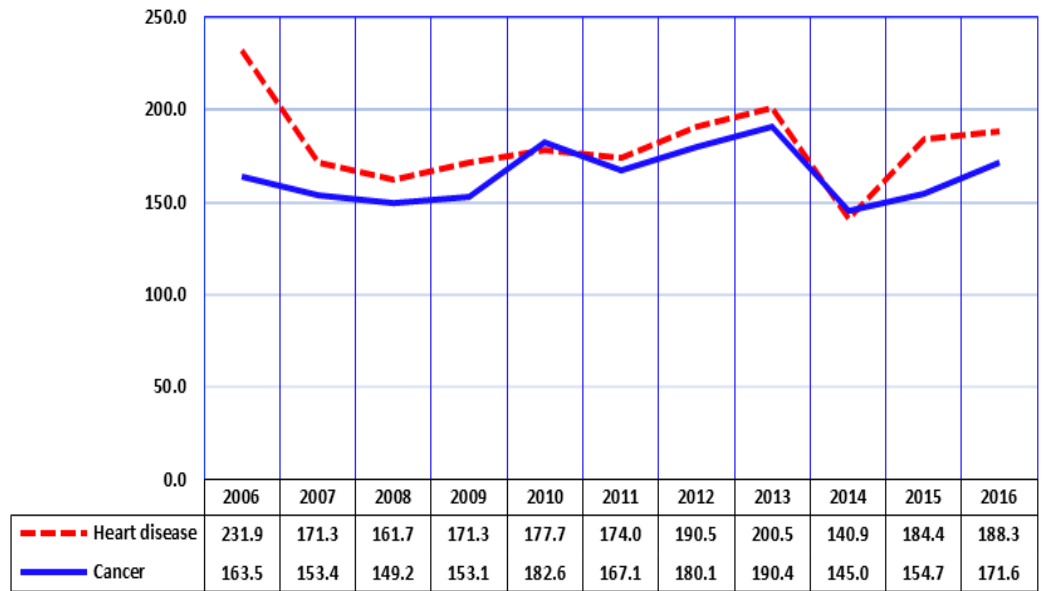
**FIGURE 9
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA HISPANIC OR LATINO RESIDENTS,
2006-2016**



Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 10
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA BLACK OR AFRICAN AMERICAN RESIDENTS,
2006-2016



The above temporal pattern of changes in the mortality risks for diseases of the heart and cancer was also followed by Black or African American residents of Arizona. Their mortality differential narrowed down from 1.4 times greater mortality rate for heart disease than cancer in 2006 to only 1.1 times greater in 2016 (**Figure 10, Table 1**).

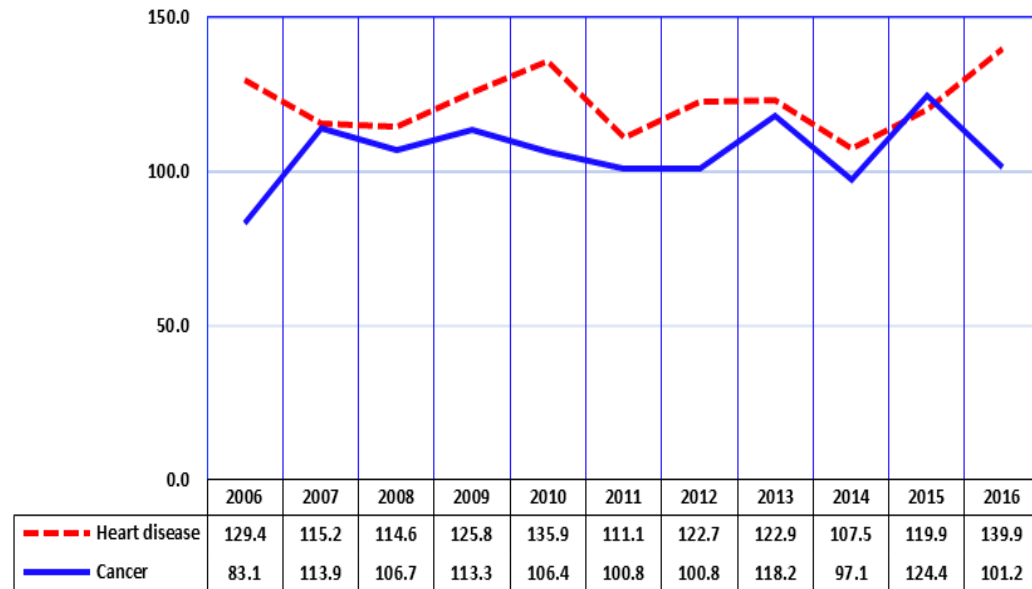
Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

The pattern of changes in the mortality risks for diseases of the heart and cancer among American Indian or Alaska Natives (**Figure 11**) offers a more pronounced variation compared to White non-Hispanics, Blacks or African American and Hispanic or Latinos.

In 2007, the cancer mortality rate increased to 113.9/100,000, while the heart disease rate decreased to 115.2/100,000 (**Table 1**), narrowing the rate differential to 1.2 percent compared to 55.7 percent greater mortality rate for diseases of the heart than cancer. In 2016, mortality rate for disease of the heart was 38.2 percent greater than the rate for cancer.

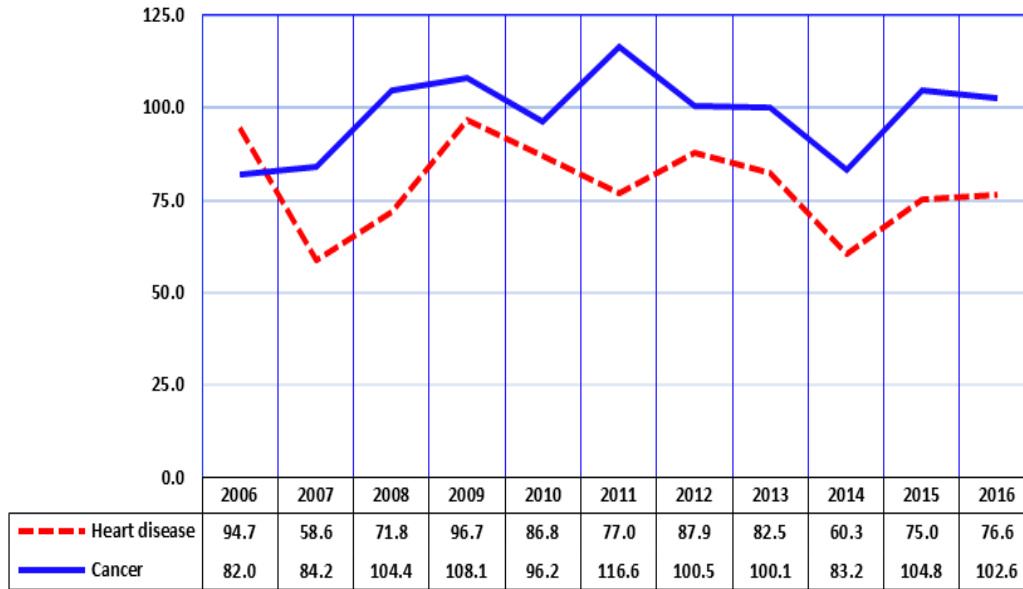
FIGURE 11
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA AMERICAN INDIAN OR ALASKA NATIVE RESIDENTS, 2006-2016



Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 12
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA ASIAN OR PACIFIC ISLANDER RESIDENTS,
2006-2016



During 2006-2016, the mortality rate for diseases of the heart and cancer followed for the most part the same tendency among Asian or Pacific Islander residents of Arizona (**Figure 12, Table 1**), the smallest racial/ethnic group in the State. The cancer mortality rate exceeded the death rate for diseases of the heart during most of the 11 year-period with exception to 2006.

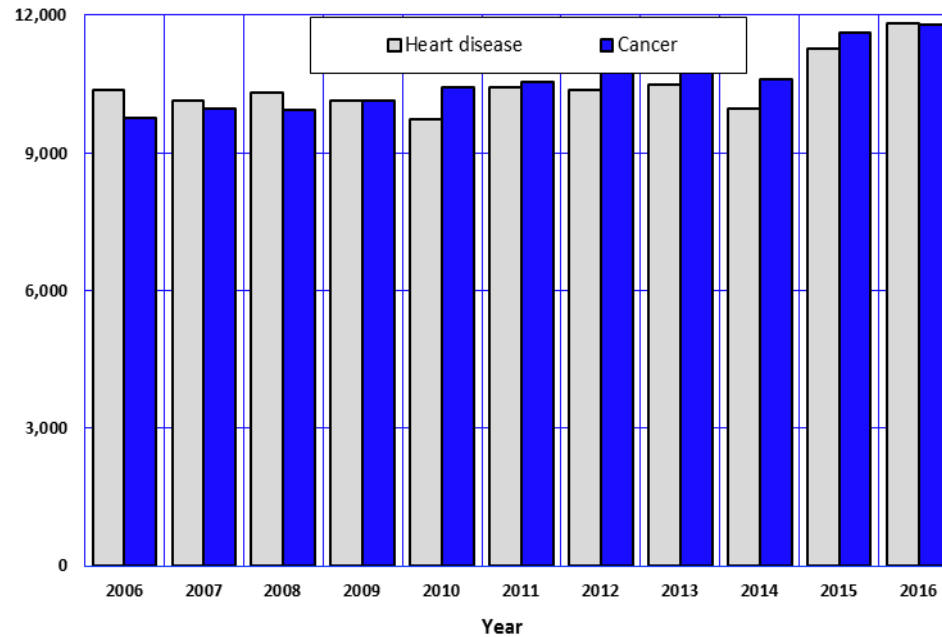
Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

We have been discussing the temporal changes in mortality risks – or mortality rates – for diseases of the heart and cancer. Based on the age-adjusted mortality rates, we have documented that cancer has been gradually displacing heart disease as the leading cause of death from time to time, but in 2016, the risk of mortality due to heart disease surpassed cancer mortality.

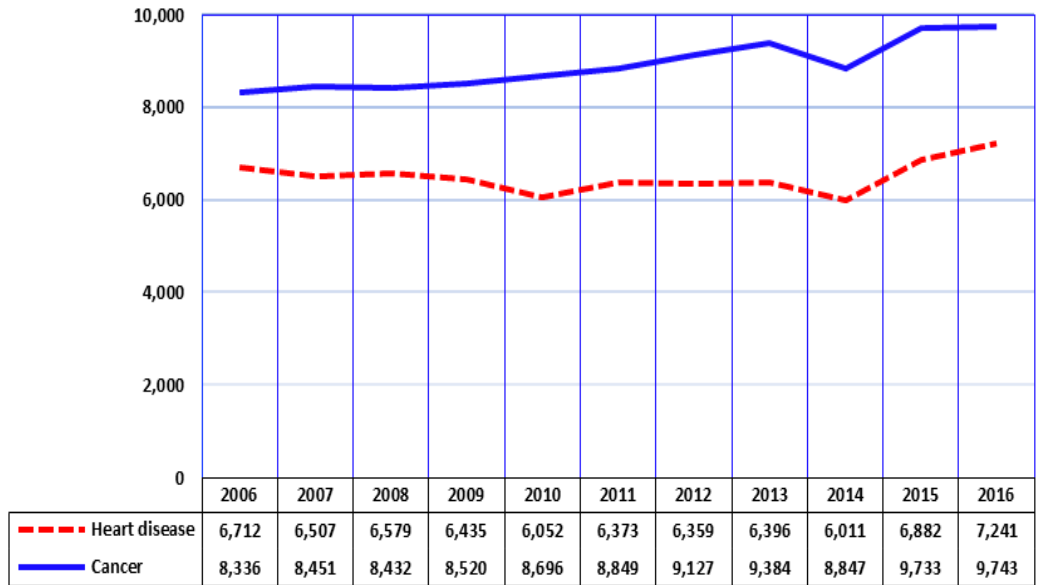
Changes in the annual number of deaths for these two leading causes of mortality also provide the evidence of the transition in mortality risks. In 2006, there were 594 more deaths from diseases of the heart than cancer among Arizona residents (**Figure 13, Table 2**). In 2016, the difference in the number of deaths from heart disease and cancer was only 19.

FIGURE 13
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), BY YEAR, ARIZONA RESIDENTS, 2006-2016



HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

**FIGURE 14
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
AMONG ARIZONA RESIDENTS 0-84 YEARS OLD,
2006-2016**



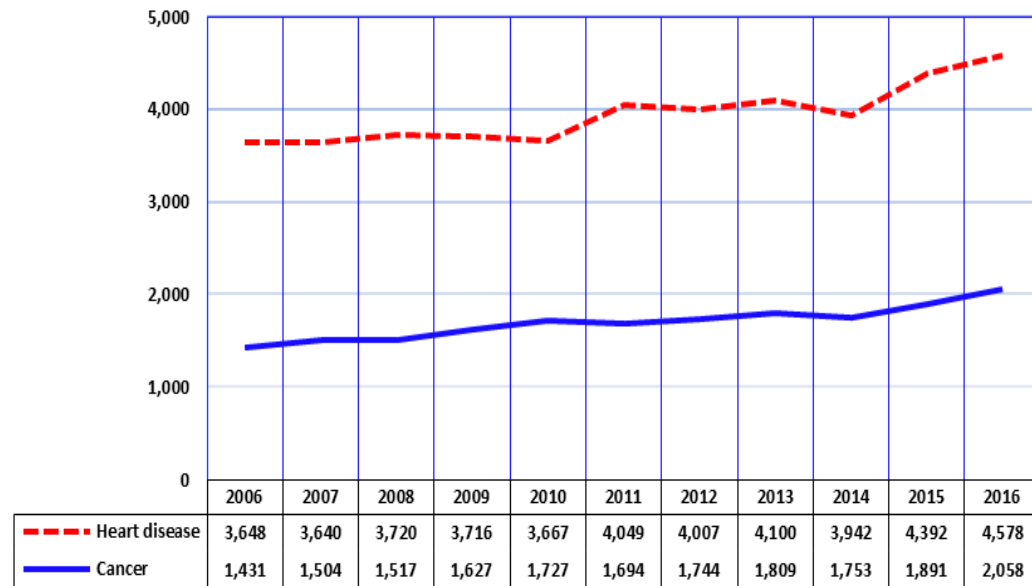
It is not very widely known that for the past thirteen years cancer has already been the number one cause of death among Arizonans aged 0-84 years (**Figure 14, Table 4, and Table 5**). Beginning in 1996, the annual number of cancer deaths exceeded the number of deaths from heart disease. In 2016, 2,502 more Arizonans 0-84 years old died from cancer (9,743) than heart disease (7,241).

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

It is only among the oldest, 85 years or older, that heart disease continues to be the number one cause of death (**Figure 15, Table 6, Table 7**). In 2016, the elderly aged 85 years or older accounted for 17.44 percent of all deaths from cancer but 38.73 percent of all deaths from heart disease.

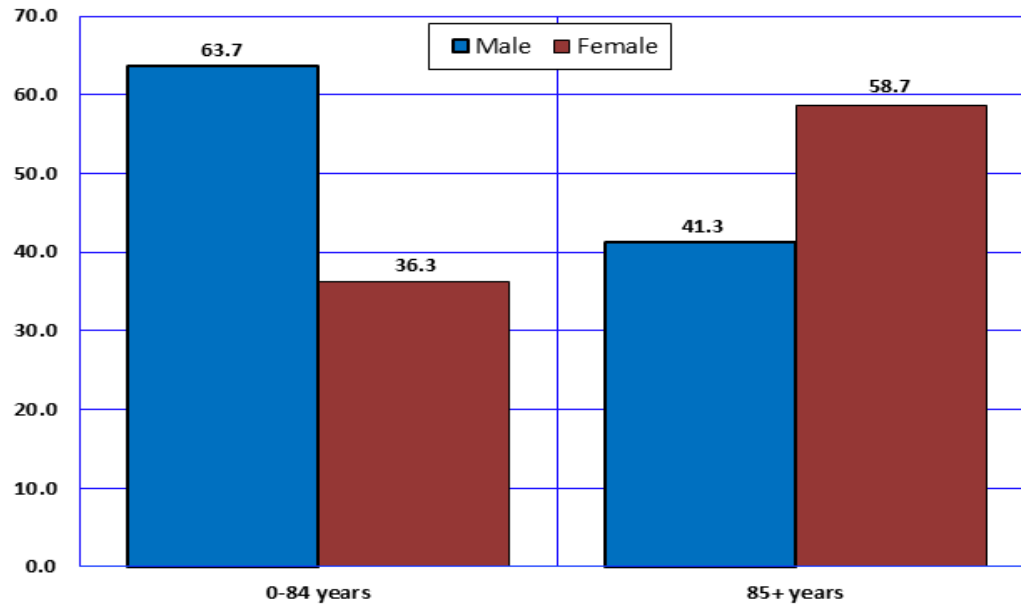
From 2006 to 2016, the number of deaths from cancer increased by 43.82 percent among Arizonans 85 years or older, an increase larger than the one seen for diseases of the heart (25.49 percent increase).

**FIGURE 15
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
AMONG ARIZONA RESIDENTS 85+ YEARS OLD,
2006-2016**



HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 16
PROPORTION OF DEATHS FROM DISEASES OF THE HEART BY GENDER AMONG
ARIZONA RESIDENTS 0-84 AND 85+ YEARS OLD,
(BASED ON CUMULATIVE NUMBER OF DEATHS FOR 2006-2016)



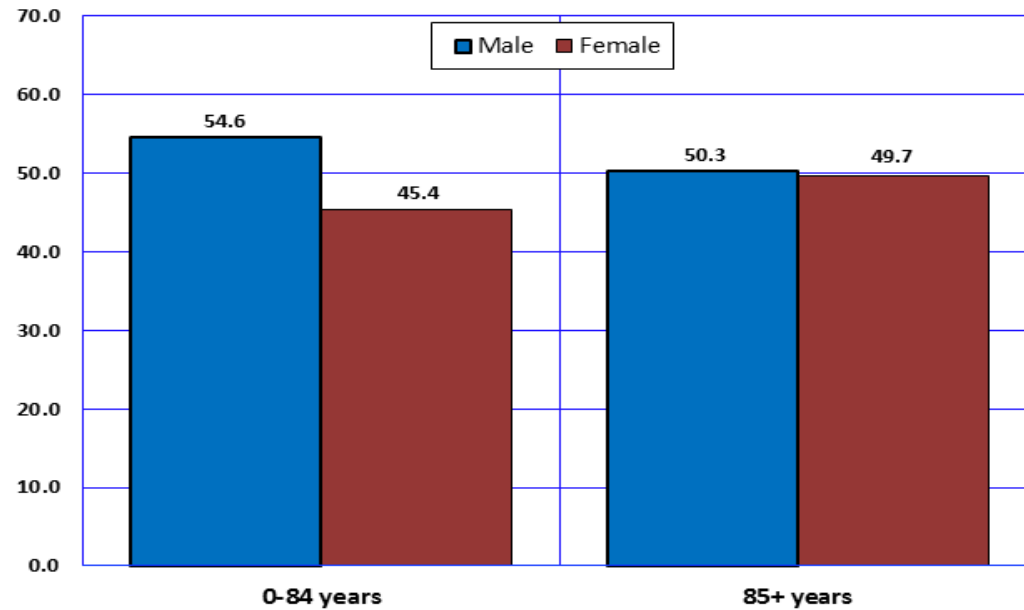
The gender-specific pattern of mortality from diseases of the heart reveals that males accounted for the absolute majority (63.7 percent) of those who died from the disease in 2006-2016 before reaching the age of 85 years (**Figure 16, Table 8, Table 9**). The opposite is true for females who accounted for the majority (58.7 percent) of deaths from diseases of the heart among Arizonans aged 85 years old or older.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

The gender-specific pattern of mortality from cancer at ages 0-84 years and 85 years or older reveals differences which are less pronounced as those for the diseases of the heart.

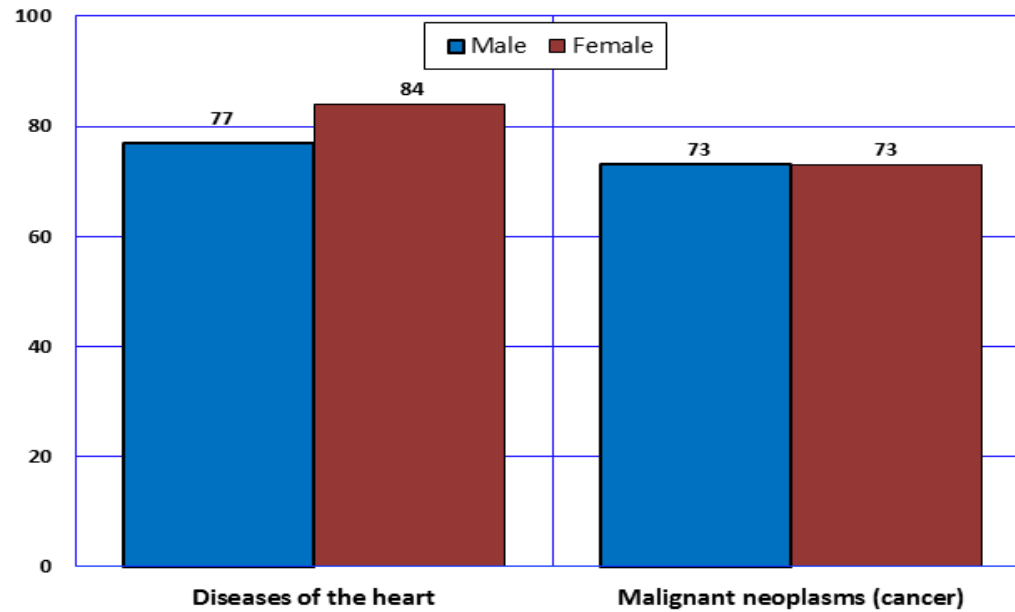
However, males accounted for absolute majority (54.6 percent) of those who died from cancer in 2006-2016 before reaching the age of 85 years (**Figure 17, Table 8, Table 9**). Gender differences were less pronounced among Arizonans aged 85 years or older. Males (50.3 percent) were almost as likely as women (49.7 percent) to die from cancer.

FIGURE 17
PROPORTION OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY GENDER AMONG ARIZONA RESIDENTS 0-84 AND 85+ YEARS OLD, (BASED ON CUMULATIVE NUMBER OF DEATHS FOR 2006-2016)



HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 18
MEDIAN AGE AT DEATH FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
BY GENDER AMONG ARIZONA RESIDENTS, 2016



In 2016, there was no difference by gender in the median age of cancer victims^a. Fifty percent of both males and females who died from cancer that year were 73 years old (**Figure 18**). For the same year, the median age at death ranged from 76 years for male and 69 for female victims of breast cancer, to 80 years for males who died from prostate cancer.

Among those who died from disease of the heart, the median age of females was 84 years, exceeding by seven years the median age of males (77 years).

The median age at death of Arizonans who died from heart disease was noticeably greater than the median age at death from cancer. The magnitude of this difference was substantially greater for females than males.

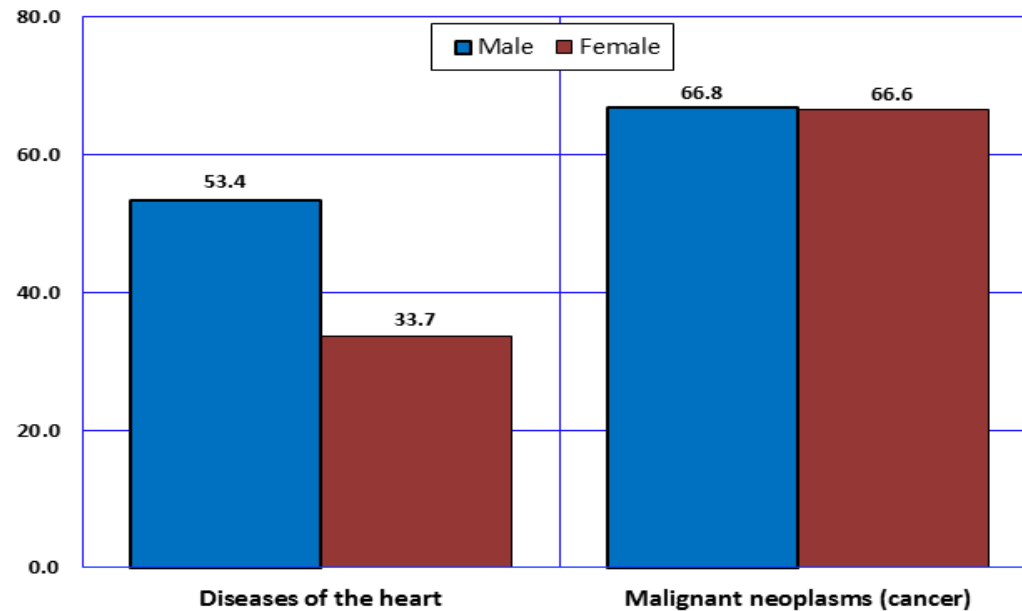
^a Table 2D-3 in Arizona Health Status and Vital Statistics 2016 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2016/pdf/2d3.pdf>

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

Among females who died in 2016 from heart disease, only 33.7 percent of deaths (Figure 19) were premature^a (i.e., occurring before the expected years of life reached for all U.S. residents), compared to 66.6 percent deaths from cancer. The majority of male deaths either from cancer (66.8 percent) or heart disease (53.4 percent) were premature.

^a Table 2D-4 in Arizona Health Status and Vital Statistics 2016 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2016/pdf/2d4.pdf>

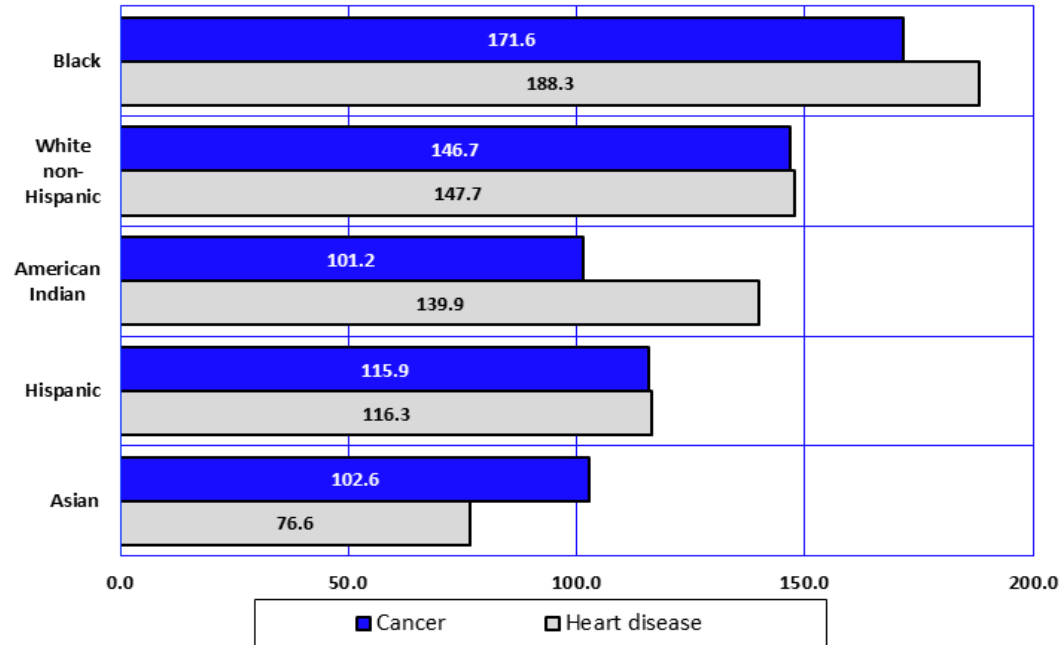
FIGURE 19
PERCENT DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), BY GENDER AMONG ARIZONA RESIDENTS, 2016



Notes: ^a Expected years of life at birth for all U.S. residents.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 20
AGE-ADJUSTED MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), BY RACE/ETHNICITY AMONG ARIZONA RESIDENTS, 2016



Arizonan’s Black or African Americans were 2.5 times more likely to die from diseases of the heart and 1.7 times more likely to die from malignant neoplasms in 2016 than Asian or Pacific Islanders, the group at the lowest risk of both heart disease and cancer death among racial/ethnic groups (**Figure 20, Table 1**).

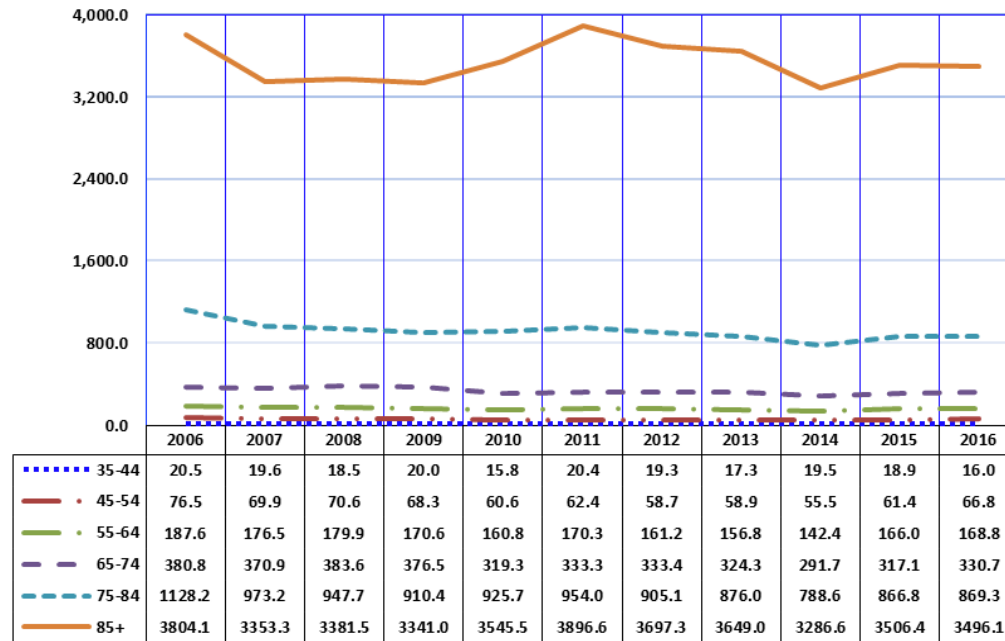
Among Asian or Pacific Islanders, the relative risk of death from cancer exceeded the mortality risk of death from heart disease in 2016.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

The mortality rates for diseases of the heart vary widely by age groups, ranging from less than 25 deaths per 100,000 persons aged 35-44 years, to more than 1,000 deaths per 100,000 persons 75-84 years old, and almost 4,000 deaths per 100,000 elderly 85 years or older, (**Figure 21**) uses a logarithmic scale to accommodate the differing magnitudes.

Compared to 2006, all age-specific mortality rates for diseases of the heart were lower in 2016 for Arizonans (**Figure 21, Table 12**).

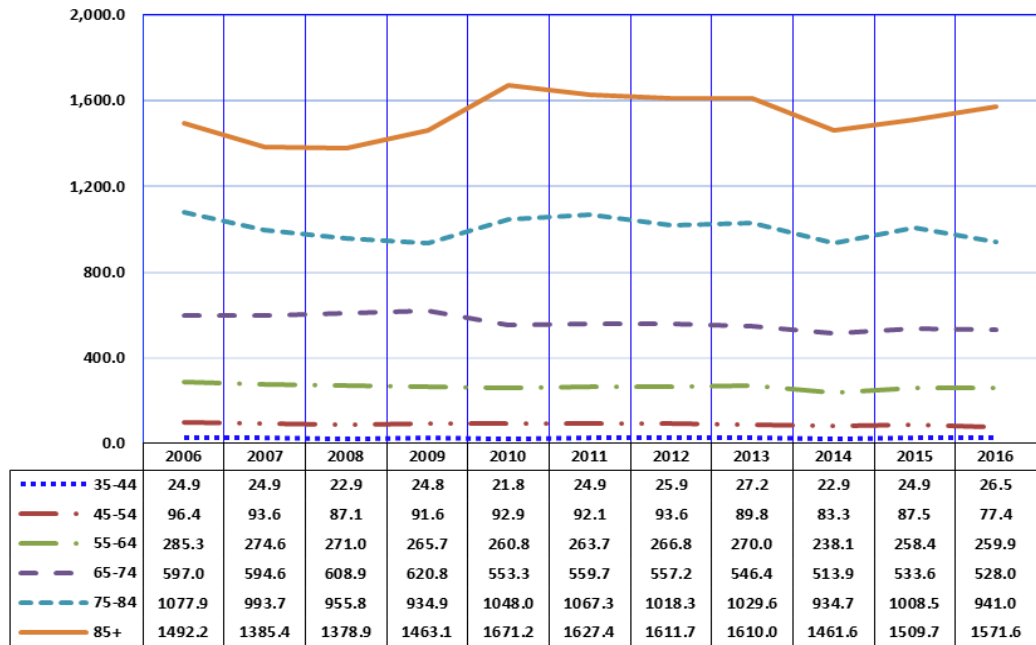
FIGURE 21
TRENDS IN AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART AMONG SELECTED AGE GROUPS OF ARIZONA RESIDENTS, 2006-2016



Note: log scale.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 22
TRENDS IN AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER)
AMONG SELECTED AGE GROUPS OF ARIZONA RESIDENTS, 2006-2016



Note: log scale.

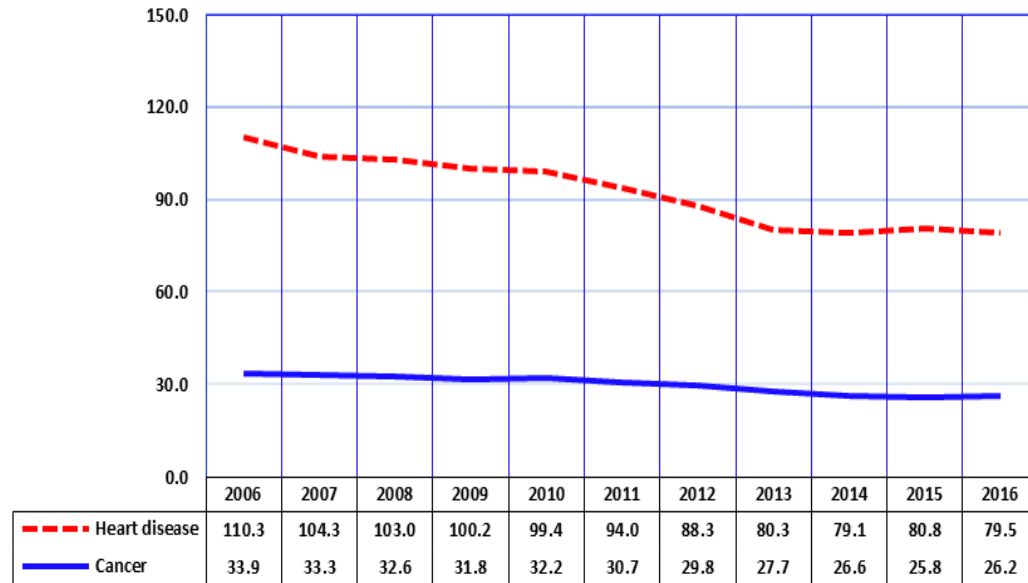
Figure 22 also uses a logarithmic scale to reflect the magnitude and changes over time in age-specific mortality rates for cancer. Compared to 2006, all age-specific mortality rates for cancer were higher in 2016 for Arizonans 35-44 years (Figure 22, Table 13). Similarly, the risk of death from cancer was also higher in 2016 compared to 2006 among Arizonans 85 years or older. In parallel, mortality rates for cancer have declined during the same period for all the remaining age groups (Table 13).

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

In 2016, there were 54,356 inpatient discharges with the first-listed diagnosis of heart disease, approximately 8.7 percent of all inpatient discharges, and 2.4 times more than the number of inpatient discharges with cancer as the principal diagnosis (22,213).

Interestingly, in spite of rather meaningful changes over time in mortality risks associated with heart disease and cancer, the inpatient hospitalization rates in Arizona have been continuously decreasing for the most part during the 2006-2016 period (**Figure 23, Table 14**). The exceptions were the inpatient discharge rate with heart disease diagnosis, which increased in 2015; the inpatient discharge rate with cancer diagnosis slightly decreased from 35.7/10,000 in 1995 to 32.6/10,000 in 2008, then witnessed a substantial decrease to 26.2 in 2016.

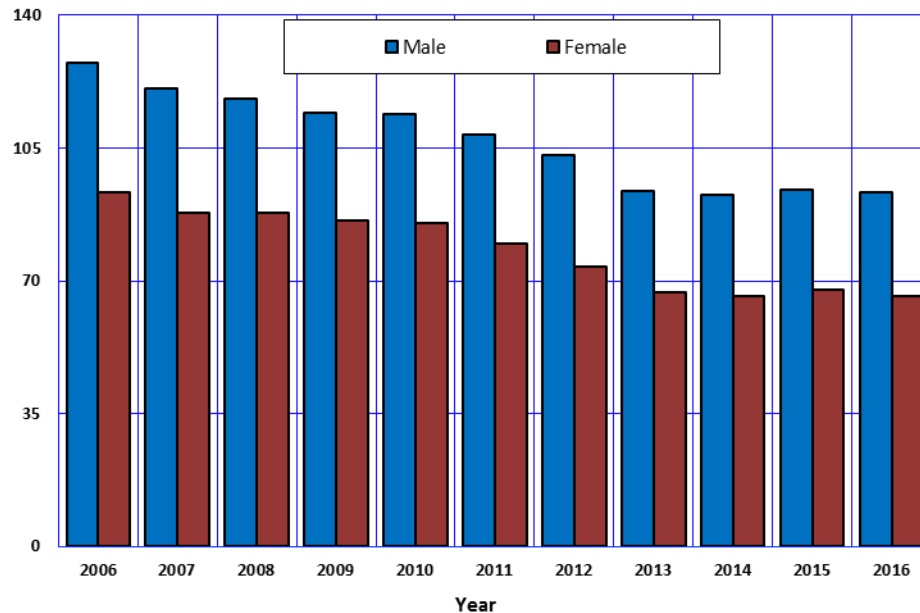
FIGURE 23
RATES OF INPATIENT DISCHARGES^a WITH DISEASES OF THE HEART OR MALIGNANT NEOPLASMS (CANCER) AS FIRST-LISTED DIAGNOSIS BY YEAR, ARIZONA RESIDENTS, 2006-2016



Note: ^a Number of inpatient discharges per 10,000 resident population.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 24
RATES OF INPATIENT DISCHARGES^a WITH DISEASE OF THE HEART AS FIRST-LISTED DIAGNOSIS
BY GENDER AND YEAR, ARIZONA RESIDENTS, 2006-2016



Note: ^a Number of inpatient discharges per 10,000 resident population in specified group.

In each of the 11 years from 2006 to 2016, Arizona male inpatient discharge rates with first-listed diagnosis of heart disease were greater than the rates of their female counterparts (**Figure 24, Table 14**). Both gender experienced a decline in the hospitalization rates during the eleven-year period from 2006 to 2016.

In 2016, among the 54,356 Arizonans who were discharged with diseases of the heart as first-listed diagnosis, the most frequent procedures performed while hospitalized was therapeutic procedure such as imaging (19,875) and cardiac catheterization (15,864).

No specific procedure was recorded for 38.3 percent of the inpatient discharges with the first-listed diagnosis of heart disease.

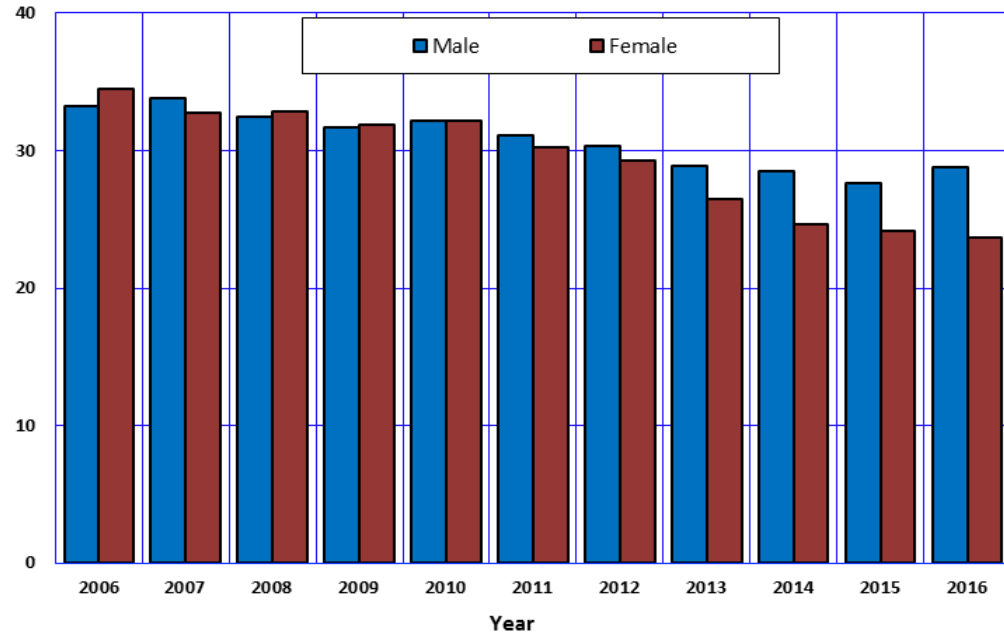
HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

Except 2006, 2008, and 2009, Arizona female inpatient discharge rates with first-listed diagnosis of cancer were lower than the rates of their male counterparts (**Figure 24, Table 14**). Females, but not males, experienced a substantial decline in the inpatient hospitalization rates from a recent peak of 34.5/10,000 in 2006 to 23.7/10,000 in 2016. The male hospitalization rate changed from 33.3/10,000 to 28.8/10,000 during that time.

In 2016, among the 17,912 Arizonans who were discharged with malignant neoplasm as first-listed diagnosis, 15,650 (87.3 percent) had at least one procedure performed while hospitalized. Operation on the gastrointestinal (4,811), operation on lymphatic system (4,553), and operation on the urinary system (2,283) were the top three most frequently reported procedures.

No specific procedure was recorded for approximately 12.63 percent of the inpatient discharges with the first-listed diagnosis of cancer.

FIGURE 25
RATES OF INPATIENT DISCHARGES^a WITH MALIGNANT NEOPLASMS (CANCER) AS
FIRST-LISTED DIAGNOSIS BY GENDER AND YEAR, ARIZONA RESIDENTS,
2006-2016



Note: ^a Number of inpatient discharges per 10,000 resident population.

TABLE 1
TRENDS IN AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER)
BY RACE/ETHNICITY, GENDER, AND YEAR, ARIZONA, 2006-2016

Year	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
DISEASES OF THE HEART																		
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
2014	129.9	164.1	100.5	134.4	168.9	104.1	114.0	147.8	87.0	140.9	175.3	113.3	107.5	159.3	70.3	60.3	73.8	49.9
2015	141.3	177.1	110.5	146.0	183.7	112.9	117.6	140.7	97.5	184.4	216.8	155.9	119.9	158.9	89.1	75.0	99.0	59.6
2016	142.5	180.5	109.8	147.7	186.9	113.5	116.3	147.1	91.5	188.3	224.0	151.5	139.9	191.2	102.3	76.6	86.8	69.9
MALIGNANT NEOPLASMS (CANCER)																		
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
2014	136.3	160.8	116.8	141.8	166.5	121.8	124.9	153.6	103.4	145.0	154.7	140.9	97.1	124.6	77.3	83.2	82.1	83.5
2015	144.0	169.0	123.8	149.8	173.9	129.9	120.4	152.9	96.2	154.7	181.5	135.0	124.4	142.1	112.4	104.8	133.4	88.2
2016	140.7	166.3	120.0	146.7	171.3	126.5	115.9	147.3	92.3	171.6	214.4	138.9	101.2	110.7	94.6	102.6	106.6	98.4

Note: ^a Adjusted to the 2000 standard U.S. population.

TABLE 2
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER) BY YEAR AND
THE DIFFERENCES IN THE ANNUAL MORTALITY AMONG ARIZONA RESIDENTS, 2006-2016

Year	Diseases of the heart	Malignant neoplasms (cancer)	Differences in the number of deaths between diseases of the heart and malignant neoplasms (cancer)
2006	10,362	9,768	594
2007	10,147	9,955	192
2008	10,299	9,949	350
2009	10,151	10,147	4
2010	9,719	10,423	-704
2011	10,424	10,543	-119
2012	10,366	10,871	-505
2013	10,497	11,193	-696
2014	9,953	10,600	-647
2015	11,274	11,624	-350
2016	11,820	11,801	19

TABLE 3
AGE COMPOSITION OF MORTALITY FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER) AMONG
WHITE NON-HISPANICS, WEIGHTED AGE-SPECIFIC MORTALITY RATES AND THE DIFFERENCES
IN AGE-ADJUSTED DEATH RATES, ARIZONA, 2016

Age group	Standard weight	White non-Hispanic	Number of deaths from malignant neoplasms (cancer)	Number of deaths from diseases of the heart	Weighted age-specific rates for malignant neoplasms (cancer)	Weighted age-specific rates for diseases of the heart
<1	0.013818	36,009	0	*	0.0	**
1-4	0.055317	142,409	*	0	**	0.0
5-14	0.145565	384,675	*	0	**	0.0
15-24	0.138646	420,814	10	7	0.3	0.2
25-34	0.135573	455,043	37	25	1.1	0.7
35-44	0.162613	435,196	125	77	4.7	2.9
45-54	0.134834	511,514	412	381	10.9	10.0
55-64	0.087247	578,758	1,627	1,056	24.5	15.9
65-74	0.066037	522,735	2,897	1,745	36.6	22.0
75-84	0.044842	278,475	2,712	2,451	43.7	39.5
85+	0.015508	110,718	1,765	4,020	24.7	56.3
All ages	1.000000	3,876,346	9,592	9,765	247.4	251.9

Note: The sum of weighted age-specific mortality rates for all ages is the age-adjusted death rate.

TABLE 4
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) AND DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AND YEAR
AMONG ARIZONANS 0-84 YEARS OLD, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
Total, all groups	Total	Malignant neoplasms	8,336	8,451	8,423	8,526	8,698	8,858	9,135	9,384	8,847	9,733	9,743
		Diseases of the heart	6,712	6,507	6,347	6,445	6,062	6,386	6,382	6,396	6,011	6,882	7,241
	Male	Malignant neoplasms	4,515	4,601	4,623	4,623	4,795	4,820	5,057	5,056	4,830	5,292	5,355
		Diseases of the heart	4,121	4,036	4,038	4,057	3,896	4,112	4,071	4,162	3,918	4,410	4,654
	Female	Malignant neoplasms	3,821	3,850	3,800	3,902	3,903	4,038	4,078	4,328	4,017	4,441	4,388
		Diseases of the heart	2,591	2,471	2,309	2,388	2,166	2,274	2,311	2,234	2,093	2,472	2,587
White non-Hispanics	Total	Malignant neoplasms	7,106	7,007	6,915	6,949	7,146	7,245	7,419	7,538	7,125	7,787	7,827
		Diseases of the heart	5,528	5,270	5,203	5,178	4,914	5,163	5,128	5,132	4,784	5,430	5,744
	Male	Malignant neoplasms	3,859	3,827	3,790	3,783	3,983	3,971	4,128	4,126	3,923	4,251	4,309
		Diseases of the heart	3,377	3,311	3,312	3,271	3,180	3,342	3,311	3,363	3,133	3,516	3,711
	Female	Malignant neoplasms	3,247	3,180	3,125	3,166	3,163	3,274	3,291	3,412	3,202	3,536	3,518
		Diseases of the heart	2,151	1,959	1,891	1,907	1,734	1,821	1,817	1,769	1,651	1,914	2,033
Hispanics or Latinos	Total	Malignant neoplasms	810	910	945	1,006	993	1,042	1,082	1,202	1,109	1,253	1,208
		Diseases of the heart	712	804	677	754	673	729	746	745	719	875	873
	Male	Malignant neoplasms	448	496	533	561	505	582	592	613	604	692	677
		Diseases of the heart	431	488	458	472	410	451	460	472	468	546	552
	Female	Malignant neoplasms	362	414	412	444	488	460	490	589	505	561	531
		Diseases of the heart	281	316	219	282	263	278	286	273	251	329	321
Black or African American	Total	Malignant neoplasms	213	250	246	244	270	253	305	307	283	302	345
		Diseases of the heart	235	212	211	246	230	233	252	271	246	302	316
	Male	Malignant neoplasms	121	140	131	121	156	116	179	159	135	162	197
		Diseases of the heart	169	109	125	150	145	151	144	183	148	179	208
	Female	Malignant neoplasms	92	110	115	123	114	137	126	148	148	140	148
		Diseases of the heart	66	103	86	96	85	82	108	88	98	123	108
American Indian or Alaska Native	Total	Malignant neoplasms	130	191	195	215	173	186	197	212	200	228	186
		Diseases of the heart	183	177	182	203	176	194	184	177	192	199	226
	Male	Malignant neoplasms	53	94	98	105	88	90	102	96	110	110	90
		Diseases of the heart	117	104	95	124	114	123	111	103	125	124	140
	Female	Malignant neoplasms	77	97	97	110	85	96	95	116	90	118	96
		Diseases of the heart	66	73	87	79	62	71	73	74	67	75	86
Asian or Pacific Islander	Total	Malignant neoplasms	72	89	106	112	116	132	132	125	130	163	177
		Diseases of the heart	52	39	51	64	69	67	72	71	70	76	82
	Male	Malignant neoplasms	32	41	61	53	63	61	56	62	58	77	82
		Diseases of the heart	25	21	29	40	47	45	45	41	44	45	43
	Female	Malignant neoplasms	40	48	45	59	53	71	76	63	72	86	95
		Diseases of the heart	27	18	22	24	22	22	27	30	26	31	39
Other unspecified or other unknown	Total	Malignant neoplasms	5	4	16	0	0	0	0	0	0	0	0
		Diseases of the heart	2	5	23	0	0	0	0	0	0	0	0
	Male	Malignant neoplasms	2	3	10	0	0	0	0	0	0	0	0
		Diseases of the heart	2	3	19	0	0	0	0	0	0	0	0
	Female	Malignant neoplasms	2	1	6	0	0	0	0	0	0	0	0
		Diseases of the heart	0	2	4	0	0	0	0	0	0	0	0

Notes: Totals may include records with unknown gender; ^a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

**TABLE 5
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE,
GENDER, AND YEAR AMONG ARIZONANS 0-84 YEARS OLD, 2006-2016**

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL STATE	Total	Malignant neoplasms	8,336	8,451	8,423	8,526	8,698	8,858	9,135	9,384	8,847	9,733	9,743
		Diseases of the heart	6,712	6,507	6,347	6,445	6,062	6,386	6,382	6,396	6,011	6,882	7,241
	Male	Malignant neoplasms	4,515	4,601	4,623	4,623	4,795	4,820	5,057	5,056	4,830	5,292	5,355
		Diseases of the heart	4,121	4,036	4,038	4,057	3,896	4,112	4,071	4,162	3,918	4,410	4,654
	Female	Malignant neoplasms	3,821	3,850	3,800	3,902	3,903	4,038	4,078	4,328	4,017	4,441	4,388
		Diseases of the heart	2,591	2,471	2,309	2,388	2,166	2,274	2,311	2,234	2,093	2,472	2,587
APACHE	Total	Malignant neoplasms	64	56	72	70	71	72	74	81	61	71	68
		Diseases of the heart	53	66	60	64	46	63	50	61	59	72	77
	Male	Malignant neoplasms	26	34	35	43	44	37	43	38	37	36	36
		Diseases of the heart	32	46	41	48	31	39	35	37	46	38	45
	Female	Malignant neoplasms	38	22	37	27	27	35	31	43	24	35	32
		Diseases of the heart	21	20	19	16	15	24	15	24	13	34	32
COCHISE	Total	Malignant neoplasms	229	219	235	217	235	197	225	261	249	244	245
		Diseases of the heart	234	181	206	200	211	224	201	199	165	201	182
	Male	Malignant neoplasms	130	133	118	109	135	125	123	151	156	130	141
		Diseases of the heart	143	111	134	127	133	149	137	127	110	124	119
	Female	Malignant neoplasms	99	86	117	108	100	72	102	110	93	114	104
		Diseases of the heart	91	70	72	73	78	75	64	72	55	77	63
COCONINO	Total	Malignant neoplasms	106	99	116	108	111	115	115	122	101	130	139
		Diseases of the heart	71	72	100	92	72	97	100	78	80	102	108
	Male	Malignant neoplasms	65	61	68	63	59	59	67	67	48	74	66
		Diseases of the heart	47	51	56	67	43	60	66	45	58	68	74
	Female	Malignant neoplasms	41	38	48	45	52	56	48	55	53	56	73
		Diseases of the heart	24	21	44	25	29	37	34	33	22	34	34
GILA	Total	Malignant neoplasms	128	109	124	121	127	133	120	128	119	151	129
		Diseases of the heart	88	104	95	99	96	90	85	88	96	109	141
	Male	Malignant neoplasms	78	63	75	66	81	70	75	68	73	87	78
		Diseases of the heart	47	68	59	62	60	58	49	55	67	72	91
	Female	Malignant neoplasms	50	46	49	55	46	63	45	60	46	64	51
		Diseases of the heart	41	36	36	37	36	32	36	33	29	37	50
GRAHAM	Total	Malignant neoplasms	50	60	47	48	58	41	49	57	41	44	48
		Diseases of the heart	54	40	42	40	39	30	37	28	43	29	38
	Male	Malignant neoplasms	31	26	34	26	29	24	24	31	20	27	24
		Diseases of the heart	27	20	26	20	24	21	21	14	23	18	27
	Female	Malignant neoplasms	19	34	13	22	29	17	25	26	21	17	24
		Diseases of the heart	27	20	16	20	15	9	16	14	20	11	11
GREENLEE	Total	Malignant neoplasms	13	15	10	10†	10†	10†	16	10†	10†	18	10†
		Diseases of the heart	13	14	4	0†	10†	10†	10†	10†	10†	10†	10†
	Male	Malignant neoplasms	7	7	7	*	11	*	6	*	*	8	*
		Diseases of the heart	5	10	1	*	*	*	9	*	*	7	9
	Female	Malignant neoplasms	6	8	3	*	*	7	10	7	*	10	*
		Diseases of the heart	8	4	3	*	*	*	*	*	*	*	*

TABLE 5 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE,
GENDER, AND YEAR AMONG ARIZONANS 0-84 YEARS OLD, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
LA PAZ	Total	Malignant neoplasms	38	38	48	52	40	31	46	48	40	42	52
		Diseases of the heart	47	47	38	49	44	54	58	64	58	71	51
	Male	Malignant neoplasms	19	28	34	33	25	20	33	26	27	26	28
		Diseases of the heart	33	30	28	40	36	38	43	43	47	57	40
	Female	Malignant neoplasms	19	10	14	19	15	11	13	22	13	16	24
		Diseases of the heart	14	17	10	9	8	16	15	21	11	14	11
MARICOPA	Total	Malignant neoplasms	4,436	4,518	4,420	4,516	4,593	4,714	4,900	5,007	4,831	5,270	5,292
		Diseases of the heart	3,581	3,432	3,208	3,302	3,071	3,178	3,126	3,245	3,008	3,431	3,616
	Male	Malignant neoplasms	2,377	2,421	2,355	2,392	2,476	2,453	2,602	2,641	2,586	2,808	2,873
		Diseases of the heart	2,167	2,092	2,029	2,040	1,946	2,022	1,983	2,092	1,946	2,189	2,278
	Female	Malignant neoplasms	2,059	2,097	2,065	2,124	2,117	2,261	2,298	2,366	2,245	2,462	2,419
		Diseases of the heart	1,414	1,340	1,179	1,262	1,125	1,156	1,143	1,153	1,062	1,242	1,338
MOHAVE	Total	Malignant neoplasms	530	499	539	510	536	533	515	599	491	616	639
		Diseases of the heart	426	403	475	457	453	485	535	541	456	586	621
	Male	Malignant neoplasms	297	272	317	287	313	324	322	339	246	360	343
		Diseases of the heart	264	263	319	309	311	327	358	373	299	383	412
	Female	Malignant neoplasms	233	227	222	223	223	209	193	260	245	256	296
		Diseases of the heart	162	140	156	148	142	158	177	168	157	203	209
NAVAJO	Total	Malignant neoplasms	122	154	147	145	124	153	134	160	124	137	153
		Diseases of the heart	124	110	109	114	121	110	113	90	112	114	129
	Male	Malignant neoplasms	58	87	88	75	66	87	74	83	68	76	86
		Diseases of the heart	79	69	72	65	81	73	73	54	73	70	88
	Female	Malignant neoplasms	64	67	59	70	58	66	60	77	56	61	67
		Diseases of the heart	45	41	37	49	40	37	40	36	39	44	41
PIMA	Total	Malignant neoplasms	1,465	1,507	1,517	1,529	1,487	1,536	1,608	1,527	1,395	1,559	1,501
		Diseases of the heart	1,135	1,119	1,128	1,116	1,021	1,095	1,082	1,106	1,008	1,093	1,195
	Male	Malignant neoplasms	812	824	817	830	818	856	904	813	781	847	838
		Diseases of the heart	715	667	689	699	623	700	670	740	631	680	737
	Female	Malignant neoplasms	653	683	700	699	669	680	704	714	614	712	663
		Diseases of the heart	420	452	439	417	398	395	412	366	377	413	458
PINAL	Total	Malignant neoplasms	416	434	410	413	483	533	516	564	546	589	590
		Diseases of the heart	340	343	342	288	345	340	410	361	344	442	419
	Male	Malignant neoplasms	224	239	241	244	275	317	304	346	317	323	334
		Diseases of the heart	220	231	218	193	235	220	268	214	220	294	280
	Female	Malignant neoplasms	192	195	169	169	208	216	212	218	229	266	256
		Diseases of the heart	120	112	124	95	110	120	142	147	124	148	139
SANTA CRUZ	Total	Malignant neoplasms	53	51	40	65	45	53	58	58	64	50	45
		Diseases of the heart	31	42	38	41	25	27	34	38	30†	47	39
	Male	Malignant neoplasms	29	21	22	36	20	32	46	29	30	19	21
		Diseases of the heart	16	22	24	27	18	13	20	29	21	33	28
	Female	Malignant neoplasms	24	30	18	28	25	21	12	29	34	31	24
		Diseases of the heart	15	20	14	14	7	14	14	9	*	14	11

TABLE 5 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE,
GENDER, AND YEAR AMONG ARIZONANS 0-84 YEARS OLD, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
YAVAPAI	Total	Malignant neoplasms	475	451	455	450	503	466	502	512	524	539	537
		Diseases of the heart	343	367	335	375	295	342	325	311	332	375	348
	Male	Malignant neoplasms	248	239	263	261	285	243	285	281	282	303	291
		Diseases of the heart	219	241	230	234	210	218	207	212	226	249	230
	Female	Malignant neoplasms	227	212	192	189	218	223	217	231	242	236	246
		Diseases of the heart	124	126	105	141	85	124	118	99	106	126	118
YUMA	Total	Malignant neoplasms	211	238	233	257	249	245	234	235	240	248	251
		Diseases of the heart	172	165	159	189	187	209	184	156	199	155	207
	Male	Malignant neoplasms	114	143	139	140	140	145	132	125	145	148	155
		Diseases of the heart	107	113	105	112	116	144	107	103	133	89	140
	Female	Malignant neoplasms	97	95	94	117	109	100	102	110	95	100	96
		Diseases of the heart	65	52	54	77	71	65	77	53	66	66	67
UNKNOWN	Total	Malignant neoplasms	0	3	10	20†	20†	30†	23	13	10†	30†	47
		Diseases of the heart	0	2	8	20†	30†	33	30†	20†	20†	45	60†
	Male	Malignant neoplasms	0	3	10	13	18	24	17	13	9	20	37
		Diseases of the heart	0	2	7	13	25	25	25	19	13	39	56
	Female	Malignant neoplasms	0	0	0	*	*	*	6	0	*	*	10
		Diseases of the heart	0	0	1	*	*	8	*	*	*	6	*

Notes: Totals may include records with unknown gender; a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

**TABLE 6
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) AND DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AND YEAR
AMONG ARIZONANS 85+ YEARS OLD, 2006-2016**

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
Total, all groups	Total	Malignant neoplasms	1,431	1,503	1,517	1,626	1,728	1,694	1,748	1,809	1,753	1,891	2,058
		Diseases of the heart	3,648	3,638	3,705	3,713	3,666	4,056	4,010	4,100	3,942	4,392	4,578
	Male	Malignant neoplasms	718	763	740	814	848	825	882	894	901	971	1,074
		Diseases of the heart	1,415	1,417	1,497	1,508	1,461	1,650	1,671	1,747	1,657	1,876	2,048
	Female	Malignant neoplasms	713	740	777	812	880	869	866	915	852	920	984
		Diseases of the heart	2,233	2,221	2,208	2,204	2,205	2,406	2,339	2,353	2,285	2,516	2,530
White non-Hispanics	Total	Malignant neoplasms	1,317	1,353	1,356	1,465	1,542	1,489	1,540	1,585	1,535	1,677	1,765
		Diseases of the heart	3,317	3,326	3,336	3,360	3,303	3,671	3,587	3,664	3,539	3,920	4,020
	Male	Malignant neoplasms	650	686	669	739	754	727	775	795	799	854	925
		Diseases of the heart	1,283	1,301	1,361	1,379	1,310	1,500	1,511	1,568	1,485	1,703	1,816
	Female	Malignant neoplasms	667	667	687	726	788	762	765	790	736	823	840
		Diseases of the heart	2,034	2,025	1,975	1,980	1,993	2,171	2,076	2,096	2,054	2,217	2,204
Hispanics or Latinos	Total	Malignant neoplasms	73	92	105	107	125	130	151	147	150	133	198
		Diseases of the heart	213	193	262	235	247	284	298	294	300	319	377
	Male	Malignant neoplasms	41	46	45	46	64	68	83	64	75	74	110
		Diseases of the heart	82	77	93	94	105	108	115	118	125	110	164
	Female	Malignant neoplasms	32	46	60	61	61	62	68	83	75	59	88
		Diseases of the heart	131	116	169	141	142	176	183	176	175	209	213
Black or African American	Total	Malignant neoplasms	16	21	20	22	25	32	22	29	26	29	35
		Diseases of the heart	60	62	47	47	40	46	51	58	38	69	78
	Male	Malignant neoplasms	9	14	6	15	8	11	9	10	11	14	19
		Diseases of the heart	24	21	17	12	15	25	18	23	16	26	25
	Female	Malignant neoplasms	7	7	14	7	17	21	13	19	15	15	16
		Diseases of the heart	36	41	30	35	25	21	33	35	22	43	53
American Indian or Alaska Native	Total	Malignant neoplasms	19	30	23	25	25	26	20	31	24	30	36
		Diseases of the heart	38	43	43	47	54	33	45	54	44	46	60
	Male	Malignant neoplasms	12	15	12	11	17	13	7	15	12	15	15
		Diseases of the heart	16	14	19	15	21	9	16	28	25	20	27
	Female	Malignant neoplasms	7	15	11	14	8	13	13	16	12	15	21
		Diseases of the heart	22	29	24	32	33	24	29	26	19	26	33
Asian or Pacific Islander	Total	Malignant neoplasms	6	6	9	10 [†]	10 [†]	17	15	17	20 [†]	22	20 [†]
		Diseases of the heart	19	14	15	24	22	22	29	30	21	37	43
	Male	Malignant neoplasms	6	1	6	*	*	6	8	10	*	14	*
		Diseases of the heart	10	4	7	8	10	8	11	10	6	16	16
	Female	Malignant neoplasms	0	5	3	*	6	11	7	7	14	8	19
		Diseases of the heart	9	10	8	16	12	14	18	20	15	21	27
Other unspecified or other unknown	Total	Malignant neoplasms	0	1	4	0	0	0	0	0	0	0	0
		Diseases of the heart	1	0	2	0	0	0	0	0	0	0 [†]	0
	Male	Malignant neoplasms	0	1	2	0	0	0	0	0	0	0	0
		Diseases of the heart	0	0	0	0	0	0	0	0	0	*	0
	Female	Malignant neoplasms	0	0	2	0	0	0	0	0	0	0	0
		Diseases of the heart	1	0	3	0	0	0	0	0	0	0	0

Notes: Totals may include records with unknown gender; ^a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

**TABLE 7
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE,
GENDER, AND YEAR AMONG ARIZONANS 85+ YEARS OLD, 2006-2016**

			2006	2007	2008*	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL STATE	Total	Malignant neoplasms	1,431	1,503	1,517	1,626	1,728	1,694	1,748	1,809	1,753	1,891	2,058
		Diseases of the heart	3,648	3,638	3,705	3,713	3,666	4,056	4,010	4,100	3,942	4,392	4,578
	Male	Malignant neoplasms	718	763	740	814	848	825	882	894	901	971	1,074
		Diseases of the heart	1,415	1,417	1,497	1,508	1,461	1,650	1,671	1,747	1,657	1,876	2,048
	Female	Malignant neoplasms	713	740	777	812	880	869	866	915	852	920	984
		Diseases of the heart	2,233	2,221	2,208	2,204	2,205	2,406	2,339	2,353	2,285	2,516	2,530
APACHE	Total	Malignant neoplasms	7	14	14	10†	10†	16	13	20	10†	10†	15
		Diseases of the heart	23	24	21	22	17	20†	10†	24	22	34	25
	Male	Malignant neoplasms	4	6	7	*	6	7	6	11	6	*	8
		Diseases of the heart	12	9	8	6	9	*	*	13	11	17	12
	Female	Malignant neoplasms	3	8	7	*	*	9	7	9	*	*	7
		Diseases of the heart	11	15	13	16	8	14	12	11	11	17	13
COCHISE	Total	Malignant neoplasms	39	35	44	27	34	45	52	23	32	41	62
		Diseases of the heart	85	104	84	88	105	116	103	109	99	100	100
	Male	Malignant neoplasms	20	21	22	12	21	20	31	14	16	25	33
		Diseases of the heart	36	41	30	39	54	57	41	47	49	49	40
	Female	Malignant neoplasms	19	14	22	15	13	25	21	9	16	16	29
		Diseases of the heart	49	63	54	49	51	59	62	62	50	51	60
COCONINO	Total	Malignant neoplasms	14	22	14	10†	16	18	10†	15	10†	27	27
		Diseases of the heart	30	42	37	36	36	41	30	39	42	45	46
	Male	Malignant neoplasms	3	9	7	*	10	10	*	7	9	13	14
		Diseases of the heart	14	14	13	17	12	20	9	13	14	22	20
	Female	Malignant neoplasms	11	13	7	*	6	8	7	8	*	14	13
		Diseases of the heart	16	28	24	19	24	21	21	26	28	23	26
GILA	Total	Malignant neoplasms	20	27	18	28	21	17	23	16	16	27	24
		Diseases of the heart	43	58	50	52	49	57	44	59	62	69	70
	Male	Malignant neoplasms	16	14	10	15	13	11	12	7	6	14	13
		Diseases of the heart	18	26	20	15	18	19	17	27	25	32	26
	Female	Malignant neoplasms	4	13	8	13	8	6	11	9	10	13	11
		Diseases of the heart	25	32	30	37	31	38	27	32	37	37	44
GRAHAM	Total	Malignant neoplasms	7	9	8	10†	20	10†	10†	10†	10†	10†	10†
		Diseases of the heart	26	15	20	19	15	21	21	19	19	10†	17
	Male	Malignant neoplasms	4	5	3	6	10	*	*	*	*	*	*
		Diseases of the heart	10	7	6	7	7	12	11	9	10	*	11
	Female	Malignant neoplasms	3	4	5	*	10	*	*	*	*	*	*
		Diseases of the heart	16	8	14	12	8	9	10	10	9	7	6
GREENLEE	Total	Malignant neoplasms	7	2	2	0†	0†	0†	0	0†	0†	0†	0†
		Diseases of the heart	2	2	2	0†	0	10†	0†	0†	0†	0†	0†
	Male	Malignant neoplasms	3	1	0	*	*	*	0	0	*	0	*
		Diseases of the heart	0	2	0	*	0	*	*	*	*	*	*
	Female	Malignant neoplasms	4	1	2	0	0	*	0	*	0	*	0
		Diseases of the heart	2	0	2	*	0	*	0	*	*	*	*

TABLE 7 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE,
GENDER, AND YEAR AMONG ARIZONANS 85+ YEARS OLD, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
LA PAZ	Total	Malignant neoplasms	3	3	7	10†	0†	10†	10†	10†	6	10†	10†
		Diseases of the heart	11	12	7	10†	10†	10†	10†	12	10†	20†	17
	Male	Malignant neoplasms	2	1	6	*	0	*	*	*	6	*	*
		Diseases of the heart	3	9	4	9	*	9	*	6	8	11	9
	Female	Malignant neoplasms	1	2	1	6	*	*	0	*	0	*	*
		Diseases of the heart	8	3	3	*	*	*	*	6	*	*	8
MARICOPA	Total	Malignant neoplasms	801	805	854	906	917	938	1,002	1,006	981	1,073	1,145
		Diseases of the heart	2,137	2,085	2,116	2,124	2,081	2,189	2,164	2,241	2,209	2,380	2,465
	Male	Malignant neoplasms	378	407	424	437	419	434	477	493	475	510	580
		Diseases of the heart	808	805	845	860	834	899	909	964	910	1,019	1,089
	Female	Malignant neoplasms	423	398	430	469	498	504	525	513	506	563	565
		Diseases of the heart	1,329	1,280	1,271	1,263	1,247	1,290	1,255	1,277	1,299	1,361	1,376
MOHAVE	Total	Malignant neoplasms	74	59	58	67	74	79	78	79	72	63	97
		Diseases of the heart	135	148	188	181	178	220	183	239	194	247	282
	Male	Malignant neoplasms	43	28	30	31	43	39	44	44	40	35	48
		Diseases of the heart	60	59	81	77	69	89	74	93	85	97	125
	Female	Malignant neoplasms	31	31	28	36	31	40	34	35	32	28	49
		Diseases of the heart	75	89	107	104	109	131	109	146	109	150	157
NAVAJO	Total	Malignant neoplasms	18	28	20	18	24	26	20	24	22	27	25
		Diseases of the heart	44	42	42	30	39	38	42	58	55	44	56
	Male	Malignant neoplasms	10	11	8	8	13	18	8	14	13	11	15
		Diseases of the heart	17	19	18	13	17	13	22	24	22	22	29
	Female	Malignant neoplasms	8	17	12	10	11	8	12	10	9	16	10
		Diseases of the heart	27	23	24	17	22	25	20	34	33	22	27
PIMA	Total	Malignant neoplasms	271	320	309	357	371	348	346	378	327	356	385
		Diseases of the heart	687	737	693	739	695	814	833	785	727	838	883
	Male	Malignant neoplasms	139	159	135	184	200	176	187	178	171	199	209
		Diseases of the heart	250	278	278	292	260	320	327	315	310	341	398
	Female	Malignant neoplasms	132	161	174	173	171	172	159	200	156	157	176
		Diseases of the heart	437	459	415	447	435	494	506	470	417	497	485
PINAL	Total	Malignant neoplasms	50	46	34	41	67	42	47	61	86	74	88
		Diseases of the heart	116	108	147	112	131	181	165	151	160	198	181
	Male	Malignant neoplasms	29	28	16	27	24	21	24	36	53	38	48
		Diseases of the heart	43	43	55	39	54	71	64	68	69	74	77
	Female	Malignant neoplasms	21	18	18	14	43	21	23	25	33	36	40
		Diseases of the heart	73	65	92	73	77	110	101	83	91	124	104
SANTA CRUZ	Total	Malignant neoplasms	8	9	10	10†	13	10†	16	10†	15	10†	10†
		Diseases of the heart	19	14	22	10†	22	20†	24	25	13	38	29
	Male	Malignant neoplasms	6	5	5	*	6	*	8	*	8	7	6
		Diseases of the heart	9	7	10	*	13	*	8	11	6	16	9
	Female	Malignant neoplasms	2	4	5	6	7	7	8	*	7	*	*
		Diseases of the heart	10	7	12	8	9	15	16	14	7	22	20

TABLE 7 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE,
GENDER, AND YEAR AMONG ARIZONANS 85+ YEARS OLD, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
YAVAPAI	Total	Malignant neoplasms	76	97	88	93	111	96	96	112	123	122	118
		Diseases of the heart	208	178	205	190	191	219	246	229	219	238	254
	Male	Malignant neoplasms	39	49	42	53	54	48	53	57	69	82	67
		Diseases of the heart	97	69	97	87	64	89	110	104	85	112	118
	Female	Malignant neoplasms	37	48	46	40	57	48	43	55	54	40	51
		Diseases of the heart	111	109	108	103	127	130	136	125	134	126	136
YUMA	Total	Malignant neoplasms	36	27	33	38	43	40	33	47	37	47	41
		Diseases of the heart	82	68	70	86	99	97	127	107	104	126	138
	Male	Malignant neoplasms	22	19	22	20	27	24	21	22	22	29	22
		Diseases of the heart	38	29	32	38	46	40	67	52	50	57	81
	Female	Malignant neoplasms	14	8	11	18	16	16	12	25	15	18	19
		Diseases of the heart	44	39	38	48	53	57	60	55	54	69	57
UNKNOWN	Total	Malignant neoplasms	0	0	4	0†	0	0†	0	0†	0†	0†	0†
		Diseases of the heart	0	1	1	0†	0	10†	0†	0	0†	10†	10†
	Male	Malignant neoplasms	0	0	3	*	0	*	0	*	*	0	0
		Diseases of the heart	0	0	0	*	0	*	*	0	0	*	*
	Female	Malignant neoplasms	0	0	1	*	0	*	0	*	0	*	*
		Diseases of the heart	0	1	1	*	0	*	*	0	*	*	10

Notes: Totals may include records with unknown gender; ^a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

TABLE 8 - (CORRECTION)
PROPORTIONAL MORTALITY BY GENDER FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER)
AMONG ARIZONANS 0-84 AND 85+ YEARS OLD (BASED ON CUMULATIVE NUMBER OF DEATHS FOR 2006-2016)

Age group	Gender	Diseases of the heart		Malignant neoplasms (cancer)	
		Count	Col %	Count	Col %
0-84	Total	71,371	100.0%	98,134	100.0%
	Male	45,475	63.7%	53,567	54.6%
	Female	25,896	36.3%	44,566	45.4%
85+	Total	43,448	100.0%	18,758	100.0%
	Male	17,947	41.3%	9,430	50.3%
	Female	25,500	58.7%	9,328	49.7%
Unknown age group	Total	10†	100.0%	0†	**
	Male	8	88.9%	*	**
	Female	*	**	*	**

**TABLE 9
PROPORTIONAL MORTALITY BY GENDER FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER)
AMONG ARIZONANS 0-84 AND 85+ YEARS OLD BY YEAR, 2006-2016**

Year	Gender	0-84				85+			
		Diseases of the heart		Malignant neoplasms (cancer)		Diseases of the heart		Malignant neoplasms (cancer)	
		Count	Col %	Count	Col %	Count	Col %	Count	Col %
2006	Total	6,712	100.0%	8,336	100.0%	3,648	100.0%	1,431	100.0%
	Male	4,121	61.4%	4,515	54.2%	1,415	38.8%	718	50.2%
	Female	2,591	38.6%	3,821	45.8%	2,233	61.2%	713	49.8%
2007	Total	6,507	100.0%	8,451	100.0%	3,638	100.0%	1,503	100.0%
	Male	4,036	62.0%	4,601	54.4%	1,417	38.9%	763	50.8%
	Female	2,471	38.0%	3,850	45.6%	2,221	61.1%	740	49.2%
2008 ^a	Total	6,347	100.0%	8,423	100.0%	3,705	100.0%	1,517	100.0%
	Male	4,038	63.6%	4,623	54.9%	1,497	40.4%	740	48.8%
	Female	2,309	36.4%	3,800	45.1%	2,208	59.6%	777	51.2%
2009	Total	6,445	100.0%	8,526	100.0%	3,713	100.0%	1,626	100.0%
	Male	4,057	62.9%	4,623	54.2%	1,508	40.6%	814	50.1%
	Female	2,388	37.1%	3,902	45.8%	2,204	59.4%	812	49.9%
2010	Total	6,062	100.0%	8,698	100.0%	3,666	100.0%	1,728	100.0%
	Male	3,896	64.3%	4,795	55.1%	1,461	39.9%	848	49.1%
	Female	2,166	35.7%	3,903	44.9%	2,205	60.1%	880	50.9%
2011	Total	6,386	100.0%	8,858	100.0%	4,056	100.0%	1,694	100.0%
	Male	4,112	64.4%	4,820	54.4%	1,650	40.7%	825	48.7%
	Female	2,274	35.6%	4,038	45.6%	2,406	59.3%	869	51.3%
2012	Total	6,382	100.0%	9,135	100.0%	4,010	100.0%	1,748	100.0%
	Male	4,071	63.8%	5,057	55.4%	1,671	41.7%	882	50.5%
	Female	2,311	36.2%	4,078	44.6%	2,339	58.3%	866	49.5%
2013	Total	6,396	100.0%	9,384	100.0%	4,100	100.0%	1,809	100.0%
	Male	4,162	65.1%	5,056	53.9%	1,747	42.6%	894	49.4%
	Female	2,234	34.9%	4,328	46.1%	2,353	57.4%	915	50.6%
2014	Total	6,011	100.0%	8,847	100.0%	3,942	100.0%	1,753	100.0%
	Male	3,918	65.2%	4,830	54.6%	1,657	42.0%	901	51.4%
	Female	2,093	34.8%	4,017	45.4%	2,285	58.0%	852	48.6%
2015	Total	6,882	100.0%	9,733	100.0%	4,392	100.0%	1,891	100.0%
	Male	4,410	64.1%	5,292	54.4%	1,876	42.7%	971	51.3%
	Female	2,472	35.9%	4,441	45.6%	2,516	57.3%	920	48.7%
2016	Total	7,241	100.0%	9,743	100.0%	4,578	100.0%	2,058	100.0%
	Male	4,654	64.3%	5,355	55.0%	2,048	44.7%	1,074	52.2%
	Female	2,587	35.7%	4,388	45.0%	2,530	55.3%	984	47.8%

Notes: Totals may include records with unknown gender; ^a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

**TABLE 10
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016**

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
All groups	Total	<1	9	9	9	9	8	10	0†	6	6	10†	0†	
		1-4	5	2	4	0†	0†	0†	0†	0†	0†	0†	0†	0†
		5-14	7	3	3	0†	0	0†	0†	0†	0†	0†	0†	0†
		15-24	19	23	8	20	15	16	10	18	19	15	13	
		25-34	47	53	37	49	40	47	56	58	52	63	50	
		35-44	177	173	129	182	130	169	160	144	163	159	135	
		45-54	605	581	515	582	511	529	491	492	467	517	564	
		55-64	1,148	1,146	1,129	1,136	1,168	1,245	1,206	1,191	1,113	1,323	1,375	
		65-74	1,647	1,577	1,624	1,643	1,590	1,671	1,796	1,838	1,732	1,983	2,164	
		75-84	3,048	2,940	2,889	2,820	2,597	2,695	2,655	2,645	2,456	2,814	2,931	
	85+	3,648	3,638	3,705	3,713	3,666	4,056	4,010	4,100	3,942	4,392	4,578		
	Male	<1	6	3	5	7	6	6	*	*	*	*	*	*
		1-4	3	1	3	*	*	*	*	0	*	*	*	*
		5-14	3	2	1	*	0	*	*	*	0	0	*	*
		15-24	14	15	5	9	11	10	*	14	13	10	8	
		25-34	39	37	26	33	31	33	40	39	39	40	36	
		35-44	134	121	93	131	93	120	107	106	109	106	94	
		45-54	460	433	391	418	365	377	364	357	327	381	399	
		55-64	816	802	806	840	859	894	837	879	802	946	971	
		65-74	1,051	1,030	1,064	1,061	1,059	1,114	1,196	1,224	1,172	1,289	1,462	
		75-84	1,595	1,592	1,644	1,556	1,469	1,556	1,518	1,540	1,451	1,633	1,677	
	85+	1,415	1,417	1,497	1,508	1,461	1,650	1,671	1,747	1,657	1,876	2,048		
	Female	<1	3	6	4	*	*	*	*	*	*	*	*	*
		1-4	2	1	1	*	0	*	*	*	*	*	*	0
		5-14	4	1	2	*	0	*	*	*	*	*	*	*
		15-24	5	8	3	11	*	6	*	*	6	*	*	*
		25-34	8	16	11	16	9	14	16	19	13	23	14	
		35-44	43	52	36	51	37	49	53	38	54	53	41	
		45-54	145	148	124	164	146	152	127	135	140	136	165	
		55-64	332	344	323	296	309	351	369	312	311	377	404	
		65-74	596	547	560	582	531	557	600	614	560	694	702	
		75-84	1,453	1,348	1,245	1,264	1,128	1,139	1,137	1,105	1,005	1,181	1,254	
	85+	2,233	2,221	2,208	2,204	2,205	2,406	2,339	2,353	2,285	2,516	2,530		

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
White non-Hispanic	Total	<1	4	3	5	0†	0†	0†	0	0†	0†	0†	0†
		1-4	2	1	2	0†	0†	0	0†	0†	0	0	0
		5-14	3	0	1	0†	0	0†	0†	0	0†	0	0
		15-24	8	9	5	7	6	9	0†	6	9	0†	7
		25-34	21	27	15	21	20	25	25	28	28	30	25
		35-44	121	98	83	112	84	107	92	84	98	84	77
		45-54	449	436	374	411	372	367	357	347	321	359	381
		55-64	924	877	866	886	891	979	931	936	868	1,003	1,056
		65-74	1,359	1,308	1,315	1,332	1,310	1,375	1,478	1,494	1,413	1,585	1,745
		75-84	2,637	2,511	2,537	2,404	2,228	2,298	2,239	2,235	2,045	2,364	2,451
	85+	3,317	3,326	3,336	3,360	3,303	3,671	3,587	3,664	3,539	3,920	4,020	
	Male	<1	2	1	2	*	*	*	0	*	*	*	*
		1-4	1	1	1	0	*	0	*	0	0	0	0
		5-14	1	0	1	0	0	0	*	0	0	0	0
		15-24	6	7	2	*	*	6	*	*	6	*	*
		25-34	18	19	10	13	15	17	18	21	18	17	16
		35-44	89	70	58	86	63	77	65	64	68	56	52
		45-54	341	332	291	300	270	260	266	253	225	264	269
		55-64	655	620	620	653	653	699	657	685	639	732	756
		65-74	874	877	875	874	886	936	998	1,003	957	1,052	1,178
		75-84	1,390	1,384	1,452	1,340	1,287	1,346	1,304	1,331	1,219	1,391	1,436
	85+	1,283	1,301	1,361	1,379	1,310	1,500	1,511	1,568	1,485	1,703	1,816	
	Female	<1	2	2	3	0	*	*	0	0	0	0	*
		1-4	1	0	1	*	0	0	*	*	0	0	0
		5-14	2	0	0	*	0	*	*	0	*	0	0
		15-24	2	2	3	*	*	*	*	*	*	*	*
		25-34	3	8	5	8	*	8	7	7	10	13	9
		35-44	32	28	25	26	21	30	27	20	30	28	25
		45-54	108	104	83	111	102	107	91	94	96	95	112
		55-64	269	257	246	233	238	280	274	251	229	271	300
		65-74	485	431	440	458	424	439	480	491	456	533	567
		75-84	1,247	1,127	1,085	1,064	941	952	935	904	826	973	1,015
	85+	2,034	2,025	1,975	1,980	1,993	2,171	2,076	2,096	2,054	2,217	2,204	

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
Hispanic or Latino	Total	<1	4	4	3	0†	0†	10†	0†	0	10†	0†	0
		1-4	3	1	2	0†	0†	0†	0	0†	0†	0	0†
		5-14	3	2	2	0†	0	0†	0†	0†	0	0†	0†
		15-24	5	7	2	9	0†	0†	0†	7	6	0†	0†
		25-34	15	18	6	16	16	11	23	13	13	18	11
		35-44	26	44	19	32	26	31	37	43	28	40	35
		45-54	85	85	77	87	67	84	76	72	79	86	106
		55-64	126	167	144	143	156	146	164	151	144	170	165
		65-74	179	176	180	188	170	187	182	203	182	251	254
		75-84	266	300	242	274	230	260	257	254	260	305	298
	85+	213	193	262	235	247	284	298	294	300	319	377	
	Male	<1	3	1	2	*	*	*	*	0	*	*	0
		1-4	2	0	2	*	*	*	0	0	*	0	*
		5-14	2	2	0	*	0	*	0	0	0	0	*
		15-24	3	5	2	*	*	*	*	6	*	*	*
		25-34	13	13	4	11	13	8	18	7	10	11	10
		35-44	19	34	16	25	16	22	20	27	19	30	26
		45-54	61	60	60	63	46	63	55	51	57	60	76
		55-64	87	119	111	109	118	103	114	117	101	123	113
		65-74	111	106	120	115	106	110	119	133	122	154	173
		75-84	130	148	141	139	105	138	131	131	151	165	151
	85+	82	77	93	94	105	108	115	118	125	110	164	
	Female	<1	1	3	1	0	*	*	*	0	*	*	0
		1-4	1	1	0	0	0	0	0	*	*	0	0
		5-14	1	0	2	0	0	0	*	*	0	*	0
		15-24	2	2	0	*	*	*	*	*	*	0	*
		25-34	2	5	2	*	*	*	*	6	*	7	*
		35-44	7	10	3	7	10	9	17	16	9	10	9
		45-54	24	25	17	24	21	21	21	21	22	26	30
		55-64	39	48	33	34	38	43	50	34	43	47	52
65-74		68	70	60	73	64	77	63	70	60	97	81	
75-84		136	152	101	135	125	122	126	123	109	140	147	
85+	131	116	169	141	142	176	183	176	175	209	213		

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
Black or African American	Total	<1	0	0	1	0†	0	0†	0	0†	0	0†	0†	
		1-4	0	0	0	0	0	0†	0	0	0	0	0†	0†
		5-14	0	1	0	0	0	0	0	0	0†	0	0	0†
		15-24	4	4	0	0†	0†	0†	0†	0†	0†	0†	0†	0†
		25-34	5	1	12	7	0†	6	10†	11	0†	6	10†	
		35-44	12	11	15	17	11	15	18	7	16	21	7	
		45-54	45	36	27	47	39	40	33	45	41	32	47	
		55-64	50	55	59	51	63	60	59	58	60	93	92	
		65-74	59	49	51	62	48	52	65	77	60	81	85	
		75-84	60	55	46	60	65	56	70	68	65	63	73	
		85+	60	62	47	47	40	46	51	58	38	69	78	
	Male	<1	0	0	1	0	0	*	0	*	0	*	*	
		1-4	0	0	0	0	0	0	0	0	0	0	*	
		5-14	0	0	0	0	0	0	0	0	*	0	0	
		15-24	3	2	0	*	*	0	*	*	*	*	*	
		25-34	3	1	9	*	*	*	*	*	*	*	*	
		35-44	11	6	11	9	7	9	13	7	8	10	*	
		45-54	38	22	12	29	25	26	25	32	25	24	36	
		55-64	40	34	40	38	42	49	36	46	37	54	63	
		65-74	40	21	28	37	27	30	35	51	39	47	57	
		75-84	34	23	24	32	41	32	32	39	35	36	38	
		85+	24	21	17	12	15	25	18	23	16	26	25	
	Female	<1	0	0	0	*	0	*	0	*	0	0	0	
		1-4	0	0	0	0	0	*	0	0	0	*	0	
		5-14	0	1	0	0	0	0	0	0	0	0	0	
		15-24	1	2	0	0	0	*	*	*	0	*	0	
		25-34	2	0	3	*	*	*	*	6	0	*	*	
		35-44	1	5	4	8	*	6	*	0	8	11	*	
		45-54	7	14	15	18	14	14	8	13	16	8	11	
		55-64	10	21	19	13	21	11	23	12	23	39	29	
		65-74	19	28	23	25	21	22	30	26	21	34	28	
		75-84	26	32	22	28	24	24	38	29	30	27	35	
		85+	36	41	30	35	25	21	33	35	22	43	53	

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
American Indian or Alaska Native	Total	<1	1	2	0	0†	0†	0†	0	0†	0	0	0	
		1-4	0	0	0	0	0	0	0	0	0	0†	0	
		5-14	0	0	0	0	0	0	0	0	0	0	0	0†
		15-24	2	3	1	0†	0†	0†	0†	0†	0†	0†	6	0
		25-34	4	7	3	0†	0†	0†	0†	10†	7	9	8	
		35-44	17	18	7	19	7	12	12	7	19	11	12	
		45-54	20	19	29	29	29	27	21	23	19	34	24	
		55-64	42	36	49	46	45	42	36	36	29	40	45	
		65-74	36	35	55	44	42	46	48	43	60	47	61	
		75-84	61	57	38	57	47	59	62	59	55	51	74	
		85+	38	43	43	47	54	33	45	54	44	46	60	
	Male	<1	1	1	0	*	*	*	0	0	0	0	0	
		1-4	0	0	0	0	0	0	0	0	0	*	0	
		5-14	0	0	0	0	0	0	0	0	0	0	*	
		15-24	2	1	1	*	*	*	*	*	*	*	0	
		25-34	4	4	2	*	*	*	*	*	7	7	6	
		35-44	14	9	5	9	6	8	8	*	12	8	9	
		45-54	15	14	21	19	20	21	14	17	14	28	14	
		55-64	31	21	29	32	37	31	22	27	16	23	27	
		65-74	20	24	25	27	25	31	27	23	43	27	43	
		75-84	30	30	12	32	20	26	37	24	31	26	40	
		85+	16	14	19	15	21	9	16	28	25	20	27	
	Female	<1	0	1	0	*	0	0	0	*	0	0	0	
		1-4	0	0	0	0	0	0	0	0	0	0	0	
		5-14	0	0	0	0	0	0	0	0	0	0	*	
		15-24	0	2	0	*	0	*	*	*	*	*	0	
		25-34	0	3	1	0	0	*	*	0	0	*	*	
		35-44	3	9	2	10	*	*	*	*	7	*	*	
		45-54	5	5	8	10	9	6	7	6	*	6	10	
		55-64	11	15	20	14	8	11	14	9	13	17	18	
		65-74	16	11	30	17	17	15	21	20	17	20	18	
		75-84	31	27	26	25	27	33	25	35	24	25	34	
		85+	22	29	24	32	33	24	29	26	19	26	33	

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
Asian or Pacific Islander	Total	<1	0	0	0	0	0†	0	0	0†	0	0	0
		1-4	0	0	0	0	0†	0	0†	0	0	0	0
		5-14	1	0	0	0	0	0	0	0	0	0	0
		15-24	0	0	0	0	0†	0	0	0	0	0	0
		25-34	2	0	1	0†	0	0†	0	0†	0†	0	0†
		35-44	1	2	4	0†	0†	0†	0†	0†	0†	0†	0†
		45-54	6	4	5	8	0†	11	0†	10†	7	6	6
		55-64	5	10	8	10	13	18	16	10	12	17	17
		65-74	14	8	16	17	20	11	23	21	17	19	19
		75-84	23	15	17	25	27	22	27	29	31	31	35
		85+	19	14	15	24	22	22	29	30	21	37	43
	Male	<1	0	0	0	0	*	0	0	0	0	0	0
		1-4	0	0	0	0	*	0	*	0	0	0	0
		5-14	0	0	0	0	0	0	0	0	0	0	0
		15-24	0	0	0	0	0	0	0	0	0	0	0
		25-34	1	2	1	*	0	*	0	*	*	0	*
		35-44	1	4	3	*	*	*	*	*	*	*	*
		45-54	5	7	4	7	*	7	*	*	6	*	*
		55-64	2	2	4	8	9	12	8	*	9	14	12
		65-74	6	6	9	8	15	7	17	14	11	9	11
		75-84	10	4	8	13	16	14	14	15	15	15	12
		85+	10	25	7	8	10	8	11	10	6	16	16
	Female	<1	0	0	0	0	0	0	0	*	0	0	0
		1-4	0	0	0	0	0	0	0	0	0	0	0
		5-14	1	0	0	0	0	0	0	0	0	0	0
		15-24	0	0	0	0	*	0	0	0	0	0	0
		25-34	1	0	0	0	0	0	0	0	0	0	0
		35-44	0	0	1	0	*	0	0	0	0	*	*
		45-54	1	0	1	*	0	*	0	*	*	*	*
		55-64	3	3	4	*	*	6	8	6	*	*	*
		65-74	8	6	7	9	*	*	6	7	6	10	8
		75-84	13	9	9	12	11	8	13	14	16	16	23
		85+	9	10	8	16	12	14	18	20	15	21	27

Notes: Totals may include records with unknown gender; ^a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

TABLE 11
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

		2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
All groups	Total	<1	2	0	2	0	0†	0†	0†	0†	0†	0†	
		1-4	6	12	13	9	9	6	7	13	9	7	6
		5-14	11	30	17	24	17	21	26	16	20	7	12
		15-24	31	35	41	34	31	32	28	31	42	32	32
		25-34	69	63	76	79	86	62	89	89	60	69	69
		35-44	215	220	206	226	179	206	215	227	191	209	223
		45-54	762	778	733	780	783	781	783	750	701	737	653
		55-64	1,746	1,783	1,781	1,769	1,894	1,928	1,996	2,051	1,861	2,060	2,117
		65-74	2,582	2,528	2,623	2,709	2,755	2,806	3,002	3,097	3,051	3,337	3,455
		75-84	2,912	3,002	2,931	2,896	2,940	3,015	2,987	3,109	2,911	3,274	3,173
		85+	1,431	1,503	1,517	1,626	1,728	1,694	1,748	1,809	1,753	1,891	2,058
	Male	<1	2	0	1	0	*	*	*	0	0	*	*
		1-4	4	5	5	*	*	*	*	9	*	6	*
		5-14	7	10	12	17	7	7	13	7	10	*	7
		15-24	16	17	23	20	16	15	18	17	25	19	15
		25-34	28	34	45	35	47	29	39	50	30	37	34
		35-44	89	90	94	98	82	81	87	88	78	101	87
		45-54	378	396	394	397	371	400	405	367	330	375	330
		55-64	935	993	957	955	1,063	1,030	1,110	1,118	1,022	1,110	1,153
		65-74	1,459	1,459	1,470	1,488	1,530	1,568	1,691	1,687	1,696	1,858	1,965
		75-84	1,597	1,597	1,622	1,609	1,672	1,685	1,688	1,713	1,638	1,780	1,759
		85+	718	763	740	814	848	825	882	894	901	971	1,074
	Female	<1	0	0	1	0	*	0	*	*	*	0	*
		1-4	2	7	8	*	*	*	*	*	8	*	*
		5-14	4	20	5	7	10	14	13	9	10	*	*
		15-24	15	18	18	14	15	17	10	14	17	13	17
		25-34	41	29	31	44	39	33	50	39	30	32	35
		35-44	126	130	112	128	97	125	128	139	113	108	136
		45-54	384	382	339	383	412	381	378	383	371	362	323
		55-64	811	790	824	814	831	898	886	933	839	950	964
		65-74	1,123	1,069	1,153	1,220	1,225	1,238	1,311	1,410	1,355	1,479	1,490
		75-84	1,315	1,405	1,309	1,287	1,268	1,330	1,299	1,396	1,273	1,494	1,414
		85+	713	740	777	812	880	869	866	915	852	920	984

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

		2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
White non-Hispanic	Total	<1	0	0	1	0	0†	0†	0†	0	0	0†	0
		1-4	3	9	3	10†	0†	0†	0†	0†	0†	0†	0†
		5-14	5	8	10	6	0†	6	8	7	12	0†	10†
		15-24	14	15	20	11	16	15	14	11	18	12	10
		25-34	38	35	41	40	42	28	47	37	23	35	37
		35-44	139	139	125	129	112	122	124	121	120	117	125
		45-54	610	570	526	582	571	549	545	514	498	484	412
		55-64	1,482	1,437	1,422	1,407	1,495	1,542	1,558	1,611	1,439	1,579	1,627
		65-74	2,229	2,147	2,207	2,272	2,339	2,388	2,541	2,612	2,551	2,786	2,897
		75-84	2,586	2,647	2,560	2,497	2,564	2,590	2,578	2,622	2,460	2,765	2,712
	85+	1,317	1,353	1,356	1,465	1,542	1,489	1,540	1,585	1,535	1,677	1,765	
	Male	<1	0	0	1	0	0	*	*	0	0	*	0
		1-4	3	4	0	*	*	*	*	*	0	*	0
		5-14	5	2	8	*	0	*	6	*	*	*	*
		15-24	7	7	12	7	8	7	9	6	11	7	*
		25-34	15	19	25	17	24	15	18	18	11	18	21
		35-44	64	63	55	56	53	53	49	50	58	53	56
		45-54	306	281	296	294	275	278	293	249	232	257	195
		55-64	785	802	761	772	842	814	857	890	790	859	869
		65-74	1,259	1,237	1,226	1,252	1,315	1,345	1,424	1,449	1,423	1,552	1,644
		75-84	1,415	1,412	1,406	1,381	1,465	1,454	1,470	1,461	1,393	1,499	1,516
	85+	650	686	669	739	754	727	775	795	799	854	925	
	Female	<1	0	0	0	0	*	0	*	0	0	0	0
		1-4	0	5	3	*	*	*	*	*	*	*	*
		5-14	0	6	2	*	*	*	*	*	7	*	*
		15-24	7	8	8	*	8	8	*	*	7	*	*
		25-34	23	16	16	23	18	13	29	19	12	17	16
		35-44	75	76	70	73	59	69	75	71	62	64	69
		45-54	304	289	230	288	296	271	252	265	266	227	217
		55-64	697	635	661	635	653	728	701	721	649	720	758
		65-74	970	910	981	1,020	1,024	1,043	1,117	1,163	1,128	1,234	1,253
		75-84	1,171	1,235	1,154	1,116	1,099	1,136	1,108	1,161	1,067	1,266	1,196
	85+	667	667	687	726	788	762	765	790	736	823	840	

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

		2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
Hispanic or Latino	Total	<1	2	0	1	0	0†	0	0†	0†	0	0†	
		1-4	3	3	8	0†	0†	0†	0†	10	0†	0†	0†
		5-14	5	15	5	15	13	13	13	8	7	0†	7
		15-24	13	13	15	18	9	14	12	14	22	16	19
		25-34	19	22	30	29	30	27	26	33	26	20	22
		35-44	49	54	51	60	50	64	60	73	45	63	68
		45-54	92	130	128	121	144	145	159	155	124	178	170
		55-64	169	202	193	226	236	235	252	290	265	308	283
		65-74	232	235	269	271	260	253	270	306	312	329	340
		75-84	226	236	245	262	246	290	288	312	303	336	294
		85+	73	92	105	107	125	130	151	147	150	133	198
	Male	<1	2	0	0	0	*	0	0	0	0	0	*
		1-4	1	1	4	*	*	*	*	8	0	*	*
		5-14	1	5	3	12	6	*	*	*	*	*	*
		15-24	7	7	10	10	*	8	8	8	13	9	8
		25-34	9	12	17	12	13	11	13	22	14	11	8
		35-44	19	21	23	27	22	26	23	27	13	32	21
		45-54	42	72	66	65	73	78	73	75	64	85	101
		55-64	98	110	105	117	127	146	153	149	156	166	170
		65-74	143	143	163	158	128	137	158	153	169	193	208
		75-84	126	125	142	157	127	170	158	166	170	193	154
		85+	41	46	45	46	64	68	83	64	75	74	110
	Female	<1	0	0	1	0	*	0	0	*	*	0	*
		1-4	2	2	4	*	0	0	0	*	*	0	*
		5-14	4	10	2	*	7	8	9	*	*	0	*
		15-24	6	6	5	8	*	6	*	6	9	7	11
		25-34	10	10	13	17	17	16	13	11	12	9	14
		35-44	30	33	28	33	28	38	37	46	32	31	47
		45-54	50	58	62	56	71	67	86	80	60	93	69
		55-64	71	92	88	109	109	89	99	141	109	142	113
		65-74	89	92	106	112	132	116	112	153	143	136	132
		75-84	100	111	103	105	119	120	130	146	133	143	140
		85+	32	46	60	61	61	62	68	83	75	59	88

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
Black or African American	Total	<1	0	0	0	0	0	0	0	0	0	0	0
		1-4	0	0	0	0	0†	0†	0†	0	0	0	0
		5-14	0	4	1	0†	0†	0†	0†	0	0	0	0
		15-24	1	1	3	0	0†	0†	0†	0†	0	0†	0
		25-34	3	3	1	0†	0†	0†	10†	6	10†	0†	0†
		35-44	9	11	8	14	6	13	14	11	12	13	14
		45-54	36	44	37	25	31	41	37	44	34	35	30
		55-64	57	74	87	61	86	73	96	76	76	86	91
		65-74	65	65	64	75	74	77	93	89	98	105	129
		75-84	42	48	45	67	64	45	56	78	58	59	77
		85+	16	21	20	22	25	32	22	29	26	29	35
	Male	<1	0	0	0	0	0	0	0	0	0	0	0
		1-4	0	0	0	0	*	0	*	0	0	0	0
		5-14	0	1	0	0	0	0	*	0	0	0	0
		15-24	1	0	1	0	0	0	0	*	0	*	0
		25-34	1	2	0	*	*	0	*	*	*	*	*
		35-44	2	3	3	6	*	*	9	*	*	7	*
		45-54	20	26	14	9	10	22	23	25	13	16	17
		55-64	35	44	46	32	51	31	54	38	35	42	54
		65-74	36	41	38	37	45	39	59	47	55	61	74
		75-84	26	23	29	36	43	22	29	41	29	34	45
		85+	9	14	6	15	8	11	9	10	11	14	19
	Female	<1	0	0	0	0	0	0	0	0	0	0	0
		1-4	0	0	0	0	*	*	0	0	0	0	0
		5-14	0	3	1	*	*	*	0	0	0	0	0
		15-24	0	1	2	0	*	*	*	*	0	*	0
		25-34	2	1	1	0	*	*	*	*	*	*	*
		35-44	7	8	5	8	*	11	*	8	10	6	9
		45-54	16	18	23	16	21	19	14	19	21	19	13
		55-64	22	30	41	29	35	42	42	38	41	44	37
		65-74	29	24	26	38	29	38	34	42	43	44	55
		75-84	16	25	16	31	21	23	27	37	29	25	32
		85+	7	7	14	7	17	21	13	19	15	15	16

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
American Indian or Alaska Native	Total	<1	0	0	0	0	0	0	0	0	0	0	0	
		1-4	0	0	2	0	0	0	0 [†]	0	0 [†]	0 [†]	0	
		5-14	0	0	0	0 [†]	0 [†]	0 [†]	0 [†]	0 [†]	0 [†]	0 [†]	0 [†]	0
		15-24	3	5	3	0 [†]	0 [†]	0 [†]	0 [†]	0	0 [†]	0 [†]	0 [†]	0 [†]
		25-34	5	1	3	7	6	10 [†]	8	9	0 [†]	8	0 [†]	0 [†]
		35-44	10	11	14	17	0 [†]	0 [†]	9	14	6	12	9	9
		45-54	15	23	30	37	24	28	19	28	23	30	21	21
		55-64	25	43	49	48	45	44	56	54	54	49	62	62
		65-74	38	57	46	66	52	58	60	55	50	63	48	48
		75-84	34	51	48	36	38	46	40	51	60	62	42	42
		85+	19	30	23	25	25	26	20	31	24	30	36	36
	Male	<1	0	0	0	0	0	0	0	0	0	0	0	0
		1-4	0	0	1	0	0	0	*	0	*	*	0	
		5-14	0	0	0	*	*	*	*	0	0	*	0	
		15-24	1	2	0	*	*	0	*	0	*	*	0	
		25-34	2	1	3	*	*	*	*	*	*	*	*	
		35-44	2	3	6	8	*	0	*	*	*	6	*	
		45-54	7	10	15	20	9	12	9	16	11	13	11	
		55-64	10	22	26	19	25	24	29	30	25	25	34	
		65-74	13	29	21	29	26	30	33	19	33	26	23	
		75-84	18	27	26	21	19	21	20	22	32	31	17	
		85+	12	15	12	11	17	13	7	15	12	15	15	
	Female	<1	0	0	0	0	0	0	0	0	0	0	0	
		1-4	0	0	1	0	0	0	*	0	0	0	0	
		5-14	0	0	0	0	0	0	*	*	*	0	0	
		15-24	2	3	3	*	*	*	0	0	0	0	*	
		25-34	3	0	0	*	*	*	*	*	*	*	*	
		35-44	8	8	8	9	*	*	6	9	*	6	6	
		45-54	8	13	15	17	15	16	10	12	12	17	10	
		55-64	15	21	23	29	20	20	27	24	29	24	28	
		65-74	25	28	25	37	26	28	27	36	17	37	25	
		75-84	16	24	22	15	19	25	20	29	28	31	25	
		85+	7	15	11	14	8	13	13	16	12	15	21	

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

		2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
Asian or Pacific Islander	Total	<1	0	0	0	0	0	0	0	0	0	0 [†]	
		1-4	0	0	0	0	0 [†]	0	0	0	0	0 [†]	0 [†]
		5-14	1	3	1	0 [†]	0	0	0 [†]	0	0	0	0
		15-24	0	1	0	0 [†]	0	0 [†]	0	0 [†]	0 [†]	0	0 [†]
		25-34	4	2	1	0 [†]	0 [†]	0 [†]	0 [†]	0 [†]	0 [†]	0 [†]	0 [†]
		35-44	8	5	8	6	8	0 [†]	8	8	8	0 [†]	7
		45-54	8	11	10	15	13	18	23	9	22	10	20
		55-64	11	25	27	27	32	34	34	20	27	38	54
		65-74	17	22	35	25	30	30	38	35	40	54	41
		75-84	23	20	24	34	28	44	25	46	30	52	48
		85+	6	6	9	7	11	17	15	17	18	22	24
	Male	<1	0	0	0	0	0	0	0	0	0	0	*
		1-4	0	0	0	0	*	0	0	0	0	*	*
		5-14	1	2	1	*	0	0	0	0	0	0	0
		15-24	0	1	0	*	0	0	0	*	0	0	*
		25-34	1	0	0	0	*	*	*	*	*	*	*
		35-44	2	0	7	*	*	0	*	*	*	*	*
		45-54	2	7	3	9	*	10	7	*	10	*	6
		55-64	6	14	17	15	18	15	17	11	16	18	26
		65-74	8	7	20	12	16	17	17	19	16	26	16
		75-84	12	10	13	14	18	18	11	23	14	23	27
		85+	6	1	6	*	*	6	8	10	*	14	*
	Female	<1	0	0	0	0	0	0	0	0	0	0	0
		1-4	0	0	0	0	0	0	0	0	0	0	0
		5-14	0	1	0	0	0	0	*	0	0	0	0
		15-24	0	0	0	*	0	*	0	*	*	0	0
		25-34	3	2	1	*	*	0	*	*	*	*	*
		35-44	6	5	1	*	*	*	*	*	7	*	*
		45-54	6	4	7	6	9	8	16	7	12	6	14
		55-64	5	11	10	12	14	19	17	9	11	20	28
		65-74	9	15	15	13	14	13	21	16	24	28	25
		75-84	11	10	11	20	10	26	14	23	16	29	21
		85+	0	5	3	*	6	11	7	7	14	8	19

Notes: Totals may include records with unknown gender; a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

TABLE 12
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

		2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
All groups	Total	<1	9.3	8.8	9.1	9.8	9.2	11.3	**	6.7	7.1	**	**
		1-4	1.3	0.5	1.0	**	**	**	**	**	**	**	**
		5-14	0.8	0.3	0.3	**	0.0	**	**	**	**	**	**
		15-24	2.1	2.6	0.9	2.2	1.7	1.8	1.1	1.9	2.0	1.6	1.4
		25-34	5.2	5.7	3.9	5.1	4.7	5.4	6.5	6.7	5.9	7.0	5.5
		35-44	20.5	19.6	14.4	20.0	15.8	20.4	19.3	17.3	19.5	18.9	16.0
		45-54	76.5	69.9	61.0	68.3	60.6	62.4	58.7	58.9	55.5	61.4	66.8
		55-64	187.6	176.5	171.1	170.6	160.8	170.3	161.2	156.8	142.4	166.0	168.8
		65-74	380.8	370.9	375.5	376.5	319.3	333.3	333.4	324.3	291.7	317.1	330.7
		75-84	1128.2	973.2	940.8	910.4	925.7	954.0	905.1	876.0	788.6	866.8	869.3
	85+	3804.1	3353.3	3363.4	3341.0	3545.5	3896.6	3697.3	3649.0	3286.6	3506.4	3496.1	
	Male	<1	12.1	5.8	9.9	14.9	13.5	13.3	**	**	**	**	**
		1-4	1.5	0.5	1.5	**	**	**	**	0.0	**	**	**
		5-14	0.6	0.4	0.2	**	0.0	**	**	**	0.0	0.0	**
		15-24	3.1	3.2	1.1	1.9	2.4	2.1	**	2.9	2.7	2.0	1.6
		25-34	8.3	7.6	5.3	6.6	7.1	7.5	9.0	8.7	8.5	8.6	7.6
		35-44	30.3	26.8	20.3	28.3	22.3	28.6	25.5	25.1	25.9	25.1	22.2
		45-54	117.5	105.4	93.7	99.3	88.0	90.2	87.8	86.1	78.4	91.1	95.3
		55-64	279.6	256.8	254.0	262.3	248.5	256.9	235.3	243.5	216.0	250.0	251.0
		65-74	510.5	516.8	524.6	518.4	448.3	468.3	470.7	458.7	418.1	437.5	474.5
		75-84	1359.6	1185.1	1203.6	1129.3	1150.1	1209.7	1124.5	1103.6	1000.1	1077.2	1065.8
	85+	4229.9	3488.4	3627.9	3622.4	3871.4	4342.6	4200.5	4201.5	3630.0	3873.8	3967.4	
	Female	<1	6.3	11.9	8.2	**	**	**	**	**	**	**	**
		1-4	1.1	0.5	0.5	**	0.0	**	**	**	**	**	0.0
		5-14	0.9	0.2	0.4	**	0.0	**	**	**	**	**	**
		15-24	1.2	1.9	0.7	2.5	**	1.4	**	**	1.3	**	**
		25-34	1.9	3.6	2.4	3.5	2.1	3.3	3.8	4.5	3.0	5.3	3.2
		35-44	10.3	12.0	8.2	11.4	9.1	12.0	12.9	9.2	13.1	12.7	9.8
		45-54	36.4	35.2	29.0	38.1	34.1	35.3	30.1	32.1	33.0	32.1	38.8
		55-64	103.7	102.1	94.4	85.6	81.2	91.6	94.0	78.3	75.8	90.0	94.5
		65-74	263.0	242.2	243.9	251.2	202.9	211.4	210.8	204.7	178.7	209.8	202.8
		75-84	950.6	803.5	730.3	735.0	738.2	740.3	718.1	680.3	604.1	682.5	697.3
	85+	3576.0	3272.4	3204.9	3170.9	3358.1	3640.2	3405.9	3324.4	3075.7	3274.9	3189.4	

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

		2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
White non-Hispanic	Total	<1	9.5	6.8	11.9	**	**	**	0.0	**	**	**	**
		1-4	1.2	0.6	1.1	**	**	0.0	**	**	0.0	0.0	0.0
		5-14	0.7	0.0	0.2	**	0.0	**	**	0.0	**	0.0	0.0
		15-24	1.7	2.0	1.1	1.5	1.4	2.1	**	1.3	2.1	**	1.7
		25-34	4.5	5.7	3.1	4.2	4.6	5.6	5.5	6.2	6.2	6.6	5.5
		35-44	23.2	18.7	15.6	20.7	18.6	23.4	20.2	18.5	22.0	19.1	17.7
		45-54	80.8	76.2	64.3	70.0	67.5	65.5	66.3	65.7	60.9	69.3	74.5
		55-64	193.1	174.8	169.8	172.1	163.4	177.2	167.9	168.5	152.2	174.9	182.5
		65-74	382.2	380.9	376.5	377.9	324.3	336.2	337.6	325.8	294.1	315.5	333.8
		75-84	1124.5	984.0	977.7	918.2	945.5	964.5	912.1	888.1	789.5	879.4	880.2
	85+	3900.2	3492.6	3449.3	3443.3	3660.6	4027.7	3812.8	3777.4	3437.7	3670.8	3630.8	
	Male	<1	9.4	4.5	9.3	**	**	**	0.0	**	**	**	**
		1-4	1.1	1.1	1.1	0.0	**	0.0	**	0.0	0.0	0.0	0.0
		5-14	0.5	0.0	0.4	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0
		15-24	2.6	2.9	0.8	**	**	2.7	**	**	2.7	**	**
		25-34	7.6	7.8	4.0	5.2	6.7	7.4	7.8	9.1	7.8	7.3	6.9
		35-44	33.6	26.5	21.6	31.7	27.2	32.7	27.9	27.6	29.9	25.0	23.5
		45-54	124.1	117.8	101.6	103.8	99.4	94.1	99.6	96.2	86.0	102.3	105.5
		55-64	287.1	257.0	252.9	263.9	251.0	265.0	248.9	259.1	235.4	268.1	274.3
		65-74	512.6	542.5	532.1	526.7	456.9	476.8	478.5	460.4	417.6	440.2	474.2
		75-84	1359.5	1223.4	1261.6	1154.0	1181.8	1222.3	1137.5	1128.3	994.6	1089.2	1085.5
	85+	4312.9	3635.8	3743.5	3759.4	3964.2	4493.2	4354.2	4339.8	3755.7	4080.6	4110.0	
	Female	<1	9.7	9.3	14.5	0.0	**	**	0.0	0.0	0.0	0.0	**
		1-4	1.2	0.0	1.2	**	0.0	0.0	**	**	0.0	0.0	0.0
		5-14	0.9	0.0	0.0	**	0.0	**	**	0.0	**	0.0	0.0
		15-24	0.9	0.9	1.3	**	**	**	**	**	**	**	**
		25-34	1.3	3.4	2.1	3.2	**	3.7	3.2	3.2	4.6	5.9	4.1
		35-44	12.5	10.8	9.4	9.6	9.5	13.6	12.2	9.0	13.7	12.9	11.7
		45-54	38.4	35.8	28.1	37.3	36.5	37.7	33.5	35.5	36.2	36.5	43.7
		55-64	107.4	98.6	92.9	87.1	83.5	96.9	94.4	86.2	76.6	90.2	99.0
65-74		262.1	237.1	238.0	245.5	201.9	206.4	209.4	204.0	181.5	202.3	206.7	
75-84		942.8	793.4	751.4	730.3	742.4	742.9	714.6	676.2	605.2	689.6	694.3	
85+	3678.3	3406.4	3272.0	3251.3	3485.2	3758.7	3496.4	3443.5	3239.3	3407.8	3312.6		

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
Hispanic or Latino	Total	<1	9.7	8.8	7.0	**	**	**	**	0.0	**	**	0.0
		1-4	1.9	0.6	1.2	**	**	**	0.0	**	**	0.0	**
		5-14	0.9	0.6	0.6	**	0.0	**	**	**	0.0	**	**
		15-24	1.7	2.4	0.7	3.0	**	**	**	1.9	1.8	**	**
		25-34	4.8	5.5	1.8	4.7	5.6	3.9	7.8	4.4	4.7	5.7	3.4
		35-44	11.2	17.7	7.5	12.5	10.4	12.2	14.1	16.0	11.0	14.2	12.2
		45-54	56.2	49.7	44.4	49.7	35.8	45.2	37.8	34.6	39.6	38.5	46.2
		55-64	150.0	178.2	151.2	148.8	139.0	130.2	130.6	113.9	111.7	116.0	106.6
		65-74	379.8	345.0	346.9	359.2	295.8	325.2	280.1	290.7	264.0	317.2	300.4
		75-84	1169.7	1020.4	809.4	908.8	807.4	910.9	820.5	772.8	800.6	849.4	790.7
	85+	3127.8	2352.8	3146.4	2797.6	2970.2	3417.6	3102.7	2843.6	2746.7	2579.2	2766.2	
	Male	<1	14.2	4.4	9.2	**	**	**	**	0.0	**	**	0.0
		1-4	2.4	0.0	2.2	**	**	**	0.0	0.0	**	0.0	**
		5-14	1.2	1.1	0.0	**	0.0	**	0.0	0.0	0.0	0.0	**
		15-24	1.9	3.2	1.3	**	**	**	**	3.2	**	**	**
		25-34	7.5	7.2	2.2	5.9	8.9	5.5	11.9	4.6	6.9	6.8	6.0
		35-44	15.3	25.8	12.0	18.5	12.8	17.7	15.3	20.2	15.0	21.4	18.2
		45-54	79.1	69.5	68.4	71.2	49.8	68.7	55.1	49.3	57.5	54.2	66.8
		55-64	212.0	259.0	237.6	231.2	219.4	192.3	189.0	183.7	163.6	175.7	152.8
		65-74	509.2	452.2	503.2	478.0	407.3	422.7	401.5	415.6	386.4	423.1	443.0
		75-84	1341.5	1154.1	1080.9	1056.7	872.2	1145.4	973.2	921.0	1075.9	1070.8	935.2
	85+	3477.5	2545.5	3024.4	3029.3	3463.1	3560.8	3314.7	3134.7	3095.6	2417.6	3198.8	
	Female	<1	5.0	13.4	4.7	0.0	**	**	**	0.0	**	**	0.0
		1-4	1.3	1.2	0.0	0.0	0.0	0.0	0.0	**	**	0.0	0.0
		5-14	0.6	0.0	1.1	0.0	0.0	0.0	**	**	0.0	**	0.0
		15-24	1.4	1.4	0.0	**	**	**	**	**	**	0.0	**
		25-34	1.4	3.4	1.3	**	**	**	**	4.1	**	4.6	**
		35-44	6.4	8.5	2.5	5.8	8.0	6.9	12.8	11.8	7.1	7.0	6.3
		45-54	32.3	29.6	19.8	27.7	22.2	22.3	20.8	20.0	22.0	23.1	25.9
		55-64	90.8	100.5	68.0	69.4	65.0	73.4	76.6	49.4	64.0	61.4	64.3
		65-74	268.4	253.9	214.0	258.1	203.5	244.6	178.3	185.0	160.6	227.0	178.0
		75-84	1042.2	917.0	599.3	794.4	760.0	739.7	705.5	659.7	591.1	683.0	682.4
	85+	2942.5	2240.2	3217.8	2661.9	2687.4	3335.2	2982.8	2676.9	2542.1	2673.3	2505.3	

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

		2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
Black or African American	Total	<1	0.0	0.0	23.3	**	0.0	**	0.0	**	0.0	**	**
		1-4	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	**	**
		5-14	0.0	2.1	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	**
		15-24	9.3	9.6	0.0	**	**	**	**	**	**	**	**
		25-34	12.4	2.6	30.5	17.3	**	14.6	**	26.5	**	12.5	**
		35-44	32.4	29.9	40.2	45.1	29.7	40.0	47.7	18.5	35.0	51.7	16.6
		45-54	158.2	120.7	89.3	154.0	113.6	115.2	94.7	128.1	102.0	86.8	125.5
		55-64	314.2	315.3	333.8	286.1	289.6	270.5	245.7	231.2	208.8	330.6	310.3
		65-74	620.2	468.2	481.1	580.7	438.4	464.6	552.9	612.6	407.1	534.9	515.6
		75-84	1495.5	735.0	607.7	786.9	1326.8	1118.7	1316.2	1227.6	1015.1	970.9	1068.7
	85+	4310.3	3662.1	2740.5	2719.9	2713.7	2987.0	3375.0	3827.0	1928.0	3434.5	3639.8	
	Male	<1	0.0	0.0	44.2	0.0	0.0	**	0.0	**	0.0	**	**
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
		5-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	**
		15-24	13.4	8.7	0.0	**	**	0.0	**	**	**	**	**
		25-34	13.9	4.7	41.8	**	**	**	**	**	**	**	**
		35-44	56.0	30.1	54.3	44.1	34.9	44.5	63.5	34.1	33.3	45.9	**
		45-54	257.4	137.4	73.9	177.0	138.0	141.9	136.0	172.4	118.7	123.2	183.8
		55-64	505.2	386.7	448.8	422.7	379.5	434.3	295.5	363.2	254.2	378.3	418.6
		65-74	877.8	384.1	505.5	663.3	519.6	567.2	627.1	853.6	557.1	645.8	722.7
		75-84	2117.1	547.6	565.2	747.8	1955.2	1493.9	1364.6	1578.0	1211.9	1229.9	1229.8
	85+	5417.6	3317.5	2652.1	1860.5	3296.7	5285.4	3885.9	4941.0	2500.0	3724.9	3355.7	
	Female	<1	0.0	0.0	0.0	**	0.0	**	0.0	**	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	**	0.0
		5-14	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		15-24	4.9	10.7	0.0	0.0	0.0	**	**	**	0.0	**	0.0
		25-34	10.7	0.0	16.8	**	**	**	**	32.0	0.0	**	**
		35-44	5.7	29.7	23.4	46.4	**	34.7	**	0.0	37.0	58.3	**
		45-54	51.2	101.3	107.1	127.4	86.4	85.4	48.6	78.4	83.6	46.1	61.6
		55-64	125.0	242.8	216.8	147.1	196.5	100.9	194.4	96.6	162.2	281.5	198.6
65-74		383.4	560.2	454.4	490.3	365.0	372.6	485.8	394.3	271.4	432.3	325.7	
75-84		1080.6	974.7	662.1	836.8	856.5	838.0	1278.0	945.4	853.5	758.0	935.6	
85+	3793.5	3867.9	2793.3	3231.8	2453.4	1968.1	3149.1	3333.1	1652.9	3279.9	3791.1		

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
American Indian or Alaska Native	Total	<1	13.7	30.8	0.0	**	**	**	0.0	**	0.0	0.0	0.0	
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	
		5-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	
		15-24	3.1	4.5	1.5	**	**	**	**	**	**	**	11.8	0.0
		25-34	8.5	13.9	5.9	**	**	**	**	**	**	12.0	20.2	17.4
		35-44	39.7	40.5	15.5	41.7	19.0	26.9	32.3	18.7	41.0	31.8	34.3	
		45-54	57.6	51.1	77.0	76.2	82.0	64.8	57.8	62.8	44.0	100.2	70.9	
		55-64	199.1	155.4	208.7	194.1	196.7	160.4	141.5	134.9	94.0	151.4	164.0	
		65-74	283.0	272.9	419.6	331.4	339.5	331.6	354.3	300.9	365.4	315.6	387.4	
		75-84	1020.9	875.3	579.0	863.9	811.7	922.0	965.6	879.5	733.8	727.8	1005.8	
	85+	2037.5	1804.4	1787.9	1936.5	2917.3	1620.8	2177.7	2443.4	1772.8	1923.9	2374.4		
	Male	<1	28.0	30.6	0.0	**	**	**	0.0	0.0	0.0	0.0	0.0	
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	
		5-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	
		15-24	6.1	3.0	2.9	**	**	**	**	**	**	**	**	0.0
		25-34	17.0	16.0	7.8	**	**	**	**	**	**	23.2	31.0	25.8
		35-44	67.2	41.7	22.8	40.6	33.3	36.1	44.0	**	52.0	47.6	53.1	
		45-54	92.9	81.1	120.1	107.6	120.4	105.7	81.1	98.1	67.7	174.9	88.0	
		55-64	320.9	192.6	262.2	286.5	352.0	253.9	189.9	222.5	113.2	195.9	220.7	
		65-74	347.9	429.6	430.8	461.3	460.7	505.2	449.6	360.1	588.0	413.4	625.3	
		75-84	1149.4	1073.3	426.1	1132.3	848.2	988.6	1401.2	857.6	987.6	909.7	1341.4	
	85+	2580.6	1709.4	2300.2	1800.7	3167.4	1224.5	2183.3	3651.2	2890.2	2291.0	2957.3		
	Female	<1	0.0	31.0	0.0	**	0.0	0.0	0.0	**	0.0	0.0	0.0	
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		5-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	
		15-24	0.0	6.0	0.0	**	0.0	**	**	**	**	**	**	0.0
		25-34	0.0	11.9	3.9	0.0	0.0	**	**	0.0	0.0	**	**	
		35-44	13.6	39.3	8.6	42.7	**	**	**	**	30.1	**	**	
		45-54	26.9	25.1	39.6	49.0	48.0	27.5	36.6	31.1	**	33.5	55.8	
		55-64	96.2	122.4	161.1	111.7	64.7	78.7	101.1	61.9	77.7	115.8	118.4	
65-74		229.5	152.0	410.7	229.0	244.8	193.9	278.5	253.1	186.6	239.3	202.9		
75-84		921.2	726.4	693.9	662.8	786.7	875.6	661.3	895.2	551.0	602.6	777.1		
85+	1767.1	1854.2	1519.9	2007.5	2777.8	1844.7	2174.6	1801.6	1175.0	1712.8	2044.6			

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR, ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
Asian or Pacific Islander	Total	<1	0.0	0.0	0.0	0.0	**	0.0	0.0	**	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	0.0	**	0.0	**	0.0	0.0	0.0	0.0
		5-14	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		15-24	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	0.0
		25-34	6.1	0.0	2.9	**	0.0	**	0.0	**	**	0.0	**
		35-44	3.6	6.8	13.4	**	**	**	**	**	**	**	**
		45-54	29.9	19.1	23.5	37.4	**	42.1	**	**	22.1	19.8	18.8
		55-64	40.5	76.3	60.3	74.9	74.7	99.7	85.0	50.3	52.5	75.5	71.0
		65-74	185.3	107.2	212.1	223.8	211.8	112.5	216.3	181.9	128.5	137.5	128.4
		75-84	785.0	426.1	478.2	698.5	653.9	513.8	564.9	559.5	514.4	482.9	512.5
	85+	2426.6	1425.7	1509.1	2397.6	2131.8	2071.6	2420.1	2313.2	1298.7	2180.3	2229.1	
	Male	<1	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	0.0	**	0.0	**	0.0	0.0	0.0	0.0
		5-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		15-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		25-34	6.1	11.9	5.9	**	0.0	**	0.0	**	**	0.0	**
		35-44	7.5	28.9	21.4	**	**	**	**	**	**	**	**
		45-54	56.1	75.1	42.4	73.6	**	59.5	**	**	41.3	**	**
		55-64	39.4	37.0	73.2	145.4	130.6	166.8	105.4	**	95.2	151.5	120.6
		65-74	184.2	189.9	281.7	248.6	380.4	170.2	394.7	303.0	209.0	164.5	187.2
		75-84	858.4	289.6	573.5	925.3	990.1	828.9	735.5	720.5	610.7	558.2	423.4
	85+	3533.6	6944.4	1917.8	2173.9	2754.8	2156.3	2657.7	2209.8	1063.8	2792.3	2457.8	
	Female	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		5-14	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		15-24	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	0.0
		25-34	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		35-44	0.0	0.0	6.3	0.0	**	0.0	0.0	0.0	0.0	**	**
		45-54	9.0	0.0	8.5	**	0.0	**	0.0	**	**	**	**
		55-64	41.3	39.0	51.3	**	**	55.3	71.2	51.1	**	**	**
65-74		186.1	139.5	160.9	205.6	**	**	94.8	101.1	75.3	119.7	89.7	
75-84		736.5	420.8	416.7	552.0	437.7	308.5	452.0	451.4	448.1	428.7	575.7	
85+	1800.0	1607.7	1271.9	2527.6	1793.7	2026.0	2294.7	2368.7	1424.5	1868.3	2112.7		

Note: ^a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

TABLE 13
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
All groups	Total	<1	2.1	0.0	2.0	0.0	**	**	**	**	**	**	**
		1-4	1.6	3.0	3.2	2.2	2.4	1.6	2.0	3.7	2.6	2.0	1.7
		5-14	1.2	3.3	1.8	2.6	1.9	2.3	2.8	1.7	2.2	0.8	1.3
		15-24	3.5	3.9	4.5	3.7	3.4	3.5	3.0	3.3	4.5	3.4	3.4
		25-34	7.7	6.8	8.0	8.2	10.0	7.2	10.3	10.2	6.8	7.7	7.5
		35-44	24.9	24.9	22.9	24.8	21.8	24.9	25.9	27.2	22.9	24.9	26.5
		45-54	96.4	93.6	86.8	91.6	92.9	92.1	93.6	89.8	83.3	87.5	77.4
		55-64	285.3	274.6	270.0	265.7	260.8	263.7	266.8	270.0	238.1	258.4	259.9
		65-74	597.0	594.6	606.5	620.8	553.3	559.7	557.2	546.4	513.9	533.6	528.0
		75-84	1077.9	993.7	954.5	934.9	1048.0	1067.3	1018.3	1029.6	934.7	1008.5	941.0
	85+	1492.2	1385.4	1377.1	1463.1	1671.2	1627.4	1611.7	1610.0	1461.6	1509.7	1571.6	
	Male	<1	4.0	0.0	2.0	0.0	**	**	**	0.0	0.0	**	**
		1-4	2.0	2.5	2.4	**	**	**	**	5.0	**	3.4	**
		5-14	1.5	2.1	2.5	3.5	1.5	1.5	2.8	1.5	2.1	**	1.5
		15-24	3.5	3.7	4.9	4.2	3.4	3.2	3.8	3.5	5.1	3.9	3.1
		25-34	5.9	7.0	9.1	7.0	10.7	6.6	8.8	11.2	6.6	8.0	7.2
		35-44	20.1	19.9	20.5	21.2	19.7	19.3	20.8	20.9	18.5	23.9	20.5
		45-54	96.5	96.4	94.4	94.3	89.4	95.7	97.7	88.5	79.1	89.7	78.8
		55-64	320.4	318.0	301.6	298.2	307.6	296.0	312.1	309.6	275.3	293.4	298.0
		65-74	708.7	732.0	724.8	727.1	647.7	659.2	665.5	632.2	605.0	630.6	637.8
		75-84	1361.3	1188.9	1187.5	1167.8	1309.0	1310.0	1250.5	1227.6	1129.0	1174.2	1118.0
	85+	2146.4	1878.4	1793.4	1955.3	2247.1	2171.3	2217.1	2150.1	1973.8	2005.0	2080.5	
	Female	<1	0.0	0.0	2.1	0.0	**	0.0	**	**	**	0.0	**
		1-4	1.1	3.6	4.1	**	**	**	**	**	4.7	**	**
		5-14	0.9	4.5	1.1	1.5	2.3	3.1	2.9	2.0	2.2	**	**
		15-24	3.5	4.2	4.2	3.2	3.4	3.9	2.3	3.1	3.7	2.8	3.7
		25-34	9.6	6.5	6.8	9.5	9.3	7.8	11.8	9.2	7.0	7.3	7.9
		35-44	30.0	30.1	25.5	28.7	23.9	30.5	31.2	33.7	27.3	25.9	32.5
		45-54	96.3	90.8	79.4	88.9	96.3	88.5	89.6	91.1	87.4	85.3	75.9
		55-64	253.4	234.5	240.7	235.5	218.3	234.4	225.7	234.0	204.5	226.9	225.4
		65-74	495.6	473.3	502.1	526.5	468.2	469.8	460.6	470.0	432.3	447.1	430.4
		75-84	860.3	837.5	767.8	748.3	829.8	864.4	820.4	859.5	765.2	863.4	786.2
	85+	1141.8	1090.3	1127.8	1168.2	1340.2	1314.8	1261.0	1292.7	1146.8	1197.5	1240.5	

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
White non-Hispanic	Total	<1	0.0	0.0	2.4	0.0	**	**	**	0.0	0.0	**	0.0
		1-4	1.8	5.2	1.7	**	**	**	**	**	**	**	**
		5-14	1.2	1.9	2.3	1.4	**	1.5	2.0	1.7	3.1	**	**
		15-24	3.1	3.3	4.3	2.3	3.8	3.4	3.2	2.5	4.2	2.8	2.4
		25-34	8.2	7.3	8.4	8.0	9.6	6.3	10.4	8.2	5.1	7.7	8.1
		35-44	26.7	26.5	23.4	23.8	24.8	26.7	27.3	26.7	26.9	26.5	28.7
		45-54	109.8	99.6	90.5	99.2	103.7	98.0	101.2	97.4	94.5	93.4	80.5
		55-64	309.7	286.4	278.8	273.3	274.2	279.0	281.1	290.0	252.4	275.3	281.1
		65-74	626.9	625.2	631.8	644.6	579.0	583.8	580.4	569.6	531.0	554.5	554.2
		75-84	1102.7	1037.3	986.6	953.7	1088.0	1087.0	1050.2	1041.9	949.7	1028.6	973.9
	85+	1548.6	1420.8	1402.0	1501.3	1709.0	1633.7	1637.0	1634.0	1491.0	1570.4	1594.1	
	Male	<1	0.0	0.0	4.7	0.0	0.0	**	**	0.0	0.0	**	0.0
		1-4	3.4	4.5	0.0	**	**	**	**	**	0.0	**	0.0
		5-14	2.3	0.9	3.6	**	0.0	**	2.9	**	**	**	**
		15-24	3.0	2.9	5.0	2.9	3.7	3.1	3.9	2.6	5.0	3.2	**
		25-34	6.3	7.8	10.1	6.8	10.8	6.6	7.8	7.8	4.7	7.7	9.0
		35-44	24.2	23.8	20.5	20.6	22.9	22.5	21.0	21.6	25.5	23.6	25.3
		45-54	111.4	99.7	103.4	101.7	101.2	100.7	109.7	94.7	88.7	99.6	76.5
		55-64	344.1	332.4	310.4	311.9	323.6	308.6	324.7	336.6	291.1	314.6	315.3
		65-74	738.4	765.2	745.5	754.5	678.1	685.1	682.7	665.1	620.9	649.5	661.8
		75-84	1384.0	1248.1	1221.7	1189.3	1345.3	1320.4	1282.3	1238.5	1136.6	1173.7	1146.0
	85+	2185.0	1917.1	1840.1	2014.7	2281.7	2177.7	2233.3	2200.3	2020.7	2046.3	2093.5	
	Female	<1	0.0	0.0	0.0	0.0	**	0.0	**	0.0	0.0	0.0	0.0
		1-4	0.0	6.0	3.5	**	**	**	**	**	**	**	**
		5-14	0.0	2.9	0.9	**	**	**	**	**	3.7	**	**
		15-24	3.1	3.6	3.5	**	3.9	3.8	**	**	3.4	**	**
		25-34	10.1	6.8	6.6	9.3	8.5	6.0	13.1	8.6	5.5	7.7	7.2
		35-44	29.3	29.3	26.5	27.0	26.7	31.3	33.8	32.1	28.4	29.6	32.2
		45-54	108.2	99.5	77.9	96.7	106.0	95.4	92.9	100.0	100.2	87.2	84.6
		55-64	278.3	243.7	249.6	237.5	229.1	252.0	241.4	247.7	217.2	239.6	250.1
		65-74	524.2	500.6	530.6	546.8	487.5	490.3	487.3	483.1	449.0	468.4	456.8
		75-84	885.4	869.4	799.2	766.0	867.1	886.5	846.8	868.4	781.8	897.2	818.1
	85+	1206.2	1122.0	1138.2	1192.1	1378.0	1319.3	1288.4	1297.9	1160.7	1265.1	1262.5	

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
Hispanic or Latino	Total	<1	4.9	0.0	2.3	0.0	**	0.0	0.0	**	**	0.0	**	
		1-4	1.9	1.8	4.6	**	**	**	**	6.7	**	**	**	
		5-14	1.5	4.2	1.4	4.1	3.5	3.5	3.4	2.0	1.9	**	1.7	
		15-24	4.4	4.4	5.0	5.9	2.7	4.3	3.4	3.9	6.5	4.2	4.9	
		25-34	6.0	6.7	9.0	8.6	10.5	9.5	8.8	11.1	9.3	6.4	6.9	
		35-44	21.0	21.7	20.2	23.5	20.0	25.1	22.8	27.1	17.8	22.3	23.7	
		45-54	60.8	76.1	73.7	69.1	77.0	78.0	79.2	74.5	62.2	79.8	74.1	
		55-64	201.3	215.6	202.6	235.1	210.3	209.6	200.6	218.8	205.5	210.2	182.8	
		65-74	492.2	460.6	518.5	517.7	452.3	440.0	415.6	438.2	452.6	415.8	402.1	
		75-84	993.8	802.7	819.4	869.0	863.6	1016.0	919.5	949.2	933.0	935.8	780.0	
	85+	1072.0	1121.5	1261.0	1273.8	1503.1	1564.4	1572.2	1421.8	1373.4	1075.4	1452.8		
	Male	<1	9.5	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	0.0	**
		1-4	1.2	1.1	4.5	**	**	**	**	10.5	0.0	**	**	
		5-14	0.6	2.8	1.6	6.5	3.2	**	**	**	**	**	**	
		15-24	4.5	4.5	6.3	6.2	**	4.7	4.4	4.3	7.4	4.6	4.0	
		25-34	5.2	6.6	9.3	6.5	8.9	7.6	8.6	14.4	9.7	6.8	4.8	
		35-44	15.3	15.9	17.2	20.0	17.6	17.9	17.6	20.2	10.3	22.8	14.7	
		45-54	54.5	83.4	75.2	73.4	79.0	85.1	73.1	72.6	64.5	76.7	88.8	
		55-64	238.8	239.4	224.7	248.2	236.1	272.6	253.7	234.0	252.7	237.1	229.8	
		65-74	655.9	610.0	683.5	656.7	491.8	526.5	533.1	478.1	535.3	530.2	532.6	
		75-84	1300.2	974.7	1088.5	1193.6	1054.9	1411.0	1173.8	1167.1	1211.3	1252.5	953.7	
	85+	1738.8	1520.7	1463.4	1482.4	2110.8	2242.0	2392.4	1700.2	1857.4	1626.4	2145.5		
	Female	<1	0.0	0.0	4.7	0.0	**	0.0	0.0	**	**	0.0	**	
		1-4	2.5	2.4	4.7	**	0.0	0.0	0.0	**	**	0.0	**	
		5-14	2.4	5.8	1.1	**	3.8	4.4	4.8	**	**	0.0	**	
		15-24	4.3	4.3	3.5	5.6	**	3.8	**	3.5	5.5	3.8	5.8	
		25-34	7.1	6.7	8.6	11.1	12.1	11.4	9.1	7.6	8.9	5.9	9.1	
		35-44	27.5	28.2	23.5	27.5	22.3	29.2	27.9	33.9	25.2	21.8	32.7	
		45-54	67.3	68.6	72.2	64.7	75.1	71.2	85.2	76.4	59.9	82.8	59.7	
		55-64	165.4	192.6	181.3	222.6	186.5	152.0	151.6	204.7	162.1	185.6	139.8	
		65-74	351.3	333.6	378.1	396.0	419.7	368.5	317.0	404.4	382.7	318.3	290.0	
		75-84	766.3	669.7	611.1	617.8	723.5	727.5	727.9	783.0	721.3	697.7	649.9	
	85+	718.8	888.4	1142.4	1151.6	1154.4	1174.9	1108.4	1262.4	1089.5	754.7	1035.1		

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
Black or African American	Total	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		1-4	0.0	0.0	0.0	0.0	**	**	**	0.0	0.0	0.0	0.0	
		5-14	0.0	8.6	2.1	**	**	**	**	0.0	0.0	0.0	0.0	
		15-24	2.3	2.4	7.1	0.0	**	**	**	**	0.0	**	**	0.0
		25-34	7.5	7.7	2.5	**	**	**	**	14.5	**	**	**	**
		35-44	24.3	29.9	21.4	37.2	16.2	34.6	37.1	29.0	26.3	32.0	33.2	33.2
		45-54	126.6	147.5	122.3	81.9	90.3	118.1	106.2	125.2	84.6	95.0	80.1	80.1
		55-64	358.2	424.3	492.2	342.1	395.3	329.1	399.7	302.9	264.4	305.7	306.9	306.9
		65-74	683.3	621.1	603.7	702.4	675.9	687.9	791.1	708.1	664.9	693.4	782.5	782.5
		75-84	1046.9	641.5	594.5	878.7	1306.4	898.9	1052.9	1408.2	905.8	909.2	1127.2	1127.2
	85+	1149.4	1240.4	1166.2	1273.1	1696.1	2077.9	1455.9	1913.5	1319.1	1443.5	1633.2	1633.2	
	Male	<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
		1-4	0.0	0.0	0.0	0.0	**	0.0	**	0.0	0.0	0.0	0.0	0.0
		5-14	0.0	4.1	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0
		15-24	4.5	0.0	4.3	0.0	0.0	0.0	0.0	**	0.0	**	**	0.0
		25-34	4.6	9.4	0.0	**	**	0.0	**	**	**	**	**	**
		35-44	10.2	15.1	14.8	29.4	**	**	44.0	**	**	32.1	**	**
		45-54	135.5	162.4	86.2	54.9	55.2	120.1	125.2	134.7	61.7	82.1	86.8	86.8
		55-64	442.0	500.5	516.2	356.0	460.8	274.8	443.3	300.0	240.4	294.2	358.8	358.8
		65-74	790.0	749.8	686.0	663.3	866.1	737.4	1057.1	786.6	785.6	838.1	938.3	938.3
		75-84	1618.9	547.6	683.0	841.3	2050.5	1027.1	1236.7	1658.9	1004.2	1161.6	1456.3	1456.3
	85+	2031.6	2211.7	936.0	2325.6	1758.2	2325.6	1943.0	2148.3	1718.8	2005.7	2550.3	2550.3	
	Female	<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
		1-4	0.0	0.0	0.0	0.0	**	**	0.0	0.0	0.0	0.0	0.0	0.0
		5-14	0.0	13.7	4.5	**	**	**	0.0	0.0	0.0	0.0	0.0	0.0
		15-24	0.0	5.4	10.6	0.0	**	**	**	**	0.0	**	**	0.0
		25-34	10.7	5.7	5.6	0.0	**	**	**	**	**	**	**	**
		35-44	40.1	47.5	29.3	46.4	**	63.7	**	45.9	46.2	31.8	45.9	45.9
		45-54	117.0	130.3	164.2	113.2	129.5	115.9	85.1	114.6	109.8	109.4	72.8	72.8
		55-64	275.1	346.9	467.8	328.1	327.4	385.3	354.9	305.9	289.1	317.6	253.4	253.4
		65-74	585.1	480.2	513.6	745.2	504.1	643.6	550.6	637.0	555.7	559.4	639.7	639.7
		75-84	665.0	761.5	481.5	926.5	749.5	803.1	908.0	1206.2	825.0	701.9	855.4	855.4
	85+	737.6	660.4	1303.5	646.4	1668.3	1968.1	1240.6	1809.4	1127.0	1144.2	1144.5	1144.5	

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016
American Indian or Alaska Native	Total	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	8.3	0.0	0.0	0.0	**	0.0	**	**	**
		5-14	0.0	0.0	0.0	**	**	**	**	**	**	**	**
		15-24	4.6	7.5	4.4	**	**	**	**	0.0	**	**	**
		25-34	10.6	2.0	5.9	13.5	13.8	**	17.6	19.4	**	17.9	**
		35-44	23.3	24.7	31.0	37.3	**	**	24.2	37.4	12.9	34.7	25.7
		45-54	43.2	61.9	79.6	97.2	67.9	67.2	52.3	76.5	53.3	88.4	62.1
		55-64	118.5	185.7	208.7	202.5	196.7	168.0	220.1	202.4	175.0	185.5	226.0
		65-74	298.7	444.5	351.0	497.1	420.3	418.1	442.9	384.9	304.5	423.1	304.8
		75-84	569.0	783.2	731.4	545.6	656.3	718.9	622.9	760.3	800.5	884.8	570.9
	85+	1018.8	1258.9	956.3	1030.1	1350.6	1277.0	967.9	1402.7	967.0	1254.7	1424.6	
	Male	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	8.2	0.0	0.0	0.0	**	0.0	**	**	0.0
		5-14	0.0	0.0	0.0	**	**	**	**	0.0	0.0	**	0.0
		15-24	3.1	5.9	0.0	**	**	0.0	**	0.0	**	**	0.0
		25-34	8.5	4.0	11.8	**	**	**	**	**	**	**	**
		35-44	9.6	13.9	27.3	36.1	**	0.0	**	**	**	35.7	**
		45-54	43.4	57.9	85.8	113.2	54.2	60.4	52.2	92.4	53.2	81.2	69.2
		55-64	103.5	201.8	235.1	170.1	237.8	196.6	250.3	247.3	176.8	212.9	277.9
		65-74	226.2	519.1	361.9	495.5	479.2	488.9	549.5	297.4	451.3	398.1	334.4
		75-84	689.7	966.0	923.3	743.1	805.8	798.5	757.4	786.1	1019.4	1084.7	570.1
	85+	1935.5	1831.5	1452.8	1320.5	2564.1	1768.7	955.2	1956.0	1387.3	1718.2	1642.9	
	Female	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	8.4	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0
		5-14	0.0	0.0	0.0	0.0	0.0	0.0	**	**	**	0.0	0.0
		15-24	6.1	9.0	8.9	**	**	**	0.0	0.0	0.0	0.0	**
		25-34	12.8	0.0	0.0	**	**	**	**	**	**	**	**
		35-44	36.4	35.0	34.5	38.5	**	**	31.5	47.1	**	33.8	33.2
		45-54	43.0	65.3	74.3	83.4	80.0	73.5	52.4	62.2	53.3	94.8	55.8
		55-64	131.2	171.3	185.3	231.4	161.7	143.1	194.9	165.0	173.4	163.5	184.2
		65-74	358.6	387.0	342.3	498.5	374.4	362.0	358.1	455.6	186.6	442.6	281.8
		75-84	475.5	645.7	587.1	397.7	553.6	663.3	529.0	741.7	642.8	747.2	571.4
	85+	562.2	959.1	696.6	878.3	673.4	999.2	974.8	1108.7	742.1	988.1	1301.1	

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2006-2016

			2006	2007	2008 ^a	2009	2010	2011	2012	2013	2014	2015	2016	
Asian or Pacific Islander	Total	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	
		1-4	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	**	**
		5-14	4.5	12.8	4.2	**	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0
		15-24	0.0	4.3	0.0	**	0.0	**	0.0	**	**	**	0.0	**
		25-34	12.1	5.9	2.9	**	**	**	**	**	**	**	**	**
		35-44	28.5	17.0	26.9	20.0	23.5	**	22.5	21.7	18.3	**	16.5	16.5
		45-54	39.8	52.4	47.1	70.0	51.7	68.9	87.8	32.9	69.3	32.9	62.6	62.6
		55-64	89.2	190.8	203.7	202.1	184.0	188.4	180.6	100.5	118.1	168.8	225.6	225.6
		65-74	225.0	294.9	463.9	329.2	317.6	306.9	357.3	303.1	302.4	390.7	277.2	277.2
		75-84	785.0	568.2	675.1	950.0	678.1	1027.6	523.1	887.5	497.8	810.1	702.9	702.9
		85+	766.3	611.0	905.4	699.3	1065.9	1600.8	1251.8	1310.8	1113.2	1296.4	1244.2	1244.2
	Male	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
		1-4	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	**	**
		5-14	8.9	17.1	8.5	**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		15-24	0.0	8.1	0.0	**	0.0	0.0	0.0	**	0.0	0.0	**	**
		25-34	6.1	0.0	0.0	0.0	**	**	**	**	**	**	**	**
		35-44	14.9	0.0	50.0	**	**	0.0	**	**	**	**	**	**
		45-54	22.4	75.1	31.8	94.6	**	84.9	58.4	**	68.9	**	41.2	41.2
		55-64	118.2	259.1	311.1	272.6	261.2	208.5	224.1	134.9	169.2	194.8	261.4	261.4
		65-74	245.6	221.5	626.0	372.9	405.8	413.4	394.7	411.2	304.0	475.2	272.2	272.2
		75-84	1030.0	724.1	931.9	996.4	1113.9	1065.7	577.9	1104.7	570.0	856.0	952.7	952.7
		85+	2120.1	277.8	1643.8	**	**	1617.3	1932.9	2209.8	**	2443.3	**	**
	Female	<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
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		5-14	0.0	8.5	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0
		15-24	0.0	0.0	0.0	**	0.0	**	0.0	**	**	**	0.0	0.0
		25-34	18.1	11.6	5.7	**	**	0.0	**	**	**	**	**	**
		35-44	40.9	32.1	6.3	**	**	**	**	**	30.3	**	**	**
		45-54	53.7	34.3	59.3	50.4	64.9	55.8	112.6	47.3	69.8	36.4	80.5	80.5
		55-64	68.9	142.8	128.3	152.8	133.3	175.1	151.2	76.6	82.1	150.7	200.2	200.2
		65-74	209.4	348.8	344.8	297.0	254.5	229.6	331.8	231.0	301.3	335.3	280.4	280.4
		75-84	623.2	467.5	509.3	920.0	397.9	1002.7	486.8	741.6	448.1	777.1	525.7	525.7
		85+	0.0	803.9	476.9	**	896.9	1591.9	892.4	829.0	1329.5	711.7	1486.7	1486.7

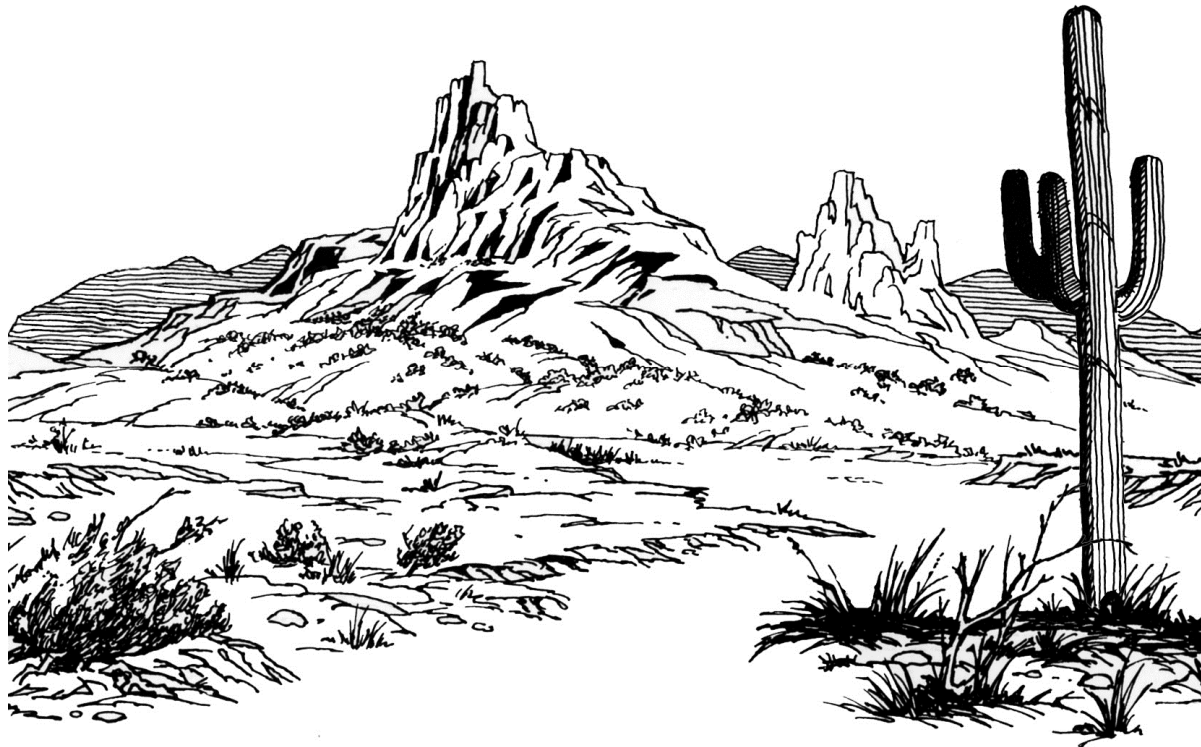
Note: ^a Data for year 2008 was taken from the previous published report and may differ from trend data published in the Arizona Health Status report due to system misclassification of cause of death.

TABLE 14
RATES^a OF INPATIENT DISCHARGES WITH HEART DISEASE OR MALIGNANT NEOPLASMS (CANCER)
AS FIRST-LISTED DIAGNOSIS BY GENDER AND YEAR, ARIZONA RESIDENTS, 2006-2016

Year	Diseases of the heart	Malignant neoplasms (Cancer)	Diseases of the heart		Malignant neoplasms (Cancer)	
			M	F	M	F
2006	110.3	33.9	127.4	93.3	33.3	34.5
2007	104.3	33.3	120.7	87.8	33.8	32.7
2008	103.0	32.6	118.1	87.8	32.4	32.8
2009	100.2	31.8	114.4	86.1	31.7	31.9
2010	99.4	32.2	113.9	85.1	32.2	32.2
2011	94.0	30.7	108.5	79.7	31.1	30.3
2012	88.3	29.8	103.0	73.6	30.3	29.3
2013	80.3	27.7	93.6	67.1	28.9	26.5
2014	79.1	26.6	92.5	65.9	28.5	24.6
2015	80.8	25.8	94.0	67.7	27.6	24.1
2016	79.5	26.2	93.3	65.9	28.8	23.7

Note: ^a The number of discharges per 10,000 population in specified group.

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 2016 report is made available as a mobile-friendly e-book (<http://azdhs.gov/plan/epub/rotated-document-layout/>). 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.



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