



HEART DISEASE VS. CANCER:

AN EPIDEMIOLOGIC TRANSITION IN
MORTALITY RISKS

ARIZONA RESIDENTS, 2011-2021



ARIZONA DEPARTMENT
OF HEALTH SERVICES

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HEART DISEASE VS. CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS ARIZONA RESIDENTS, 2011-2021

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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 2010-2015. In 2016-2021 the risk of death from heart disease exceeded mortality risk from 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 2011-2021, as well as hospitalization rates for 1995-2021, 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 1990-2021 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 1900-2021 (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 2011-2021, with heart disease or cancer as the primary diagnoses.

SUMMARY OF FINDINGS

✓ The age-adjusted cancer mortality rate declined by 12.9 percent from 151.3 deaths per 100,000 population in 2011 to 131.8 per 100,000 population in 2021. The age-adjusted mortality rate for diseases of the heart decreased by 1.0 percent from 152.7 deaths per 100,000 population in 2011 to 151.2 per 100,000 in 2021.

✓ In 2011, 119 less Arizonans died from diseases of the heart than cancer. In 2021, the number of deaths from heart disease exceeded the number of cancer deaths by 1,726.

✓ During the 2011-2021 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 2011, among Arizonans 0-84 years old, the annual number of cancer deaths exceeded the number of deaths from heart disease by 2,472. In 2021, 1,538 more Arizonans 0-84 years old died from cancer (10,756) than heart disease (9,218).

✓ 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 2021, the elderly aged 85 years or older accounted for 16.0 percent of all deaths from cancer but 36.6 percent of all deaths from heart disease. In 2021, 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 (46.3 percent among males; 28.6 percent among females) was premature, i.e., before reaching the expected years of life at birth for all U.S. residents (76.1 years in 2021).

✓ There was no gender difference in the median age of cancer, Arizona females and males who died from cancer had a median age of 73.

✓ The relative risk of death from heart disease exceeded the mortality risk of death from cancer for all racial/ethnic groups in 2021.

✓ 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).

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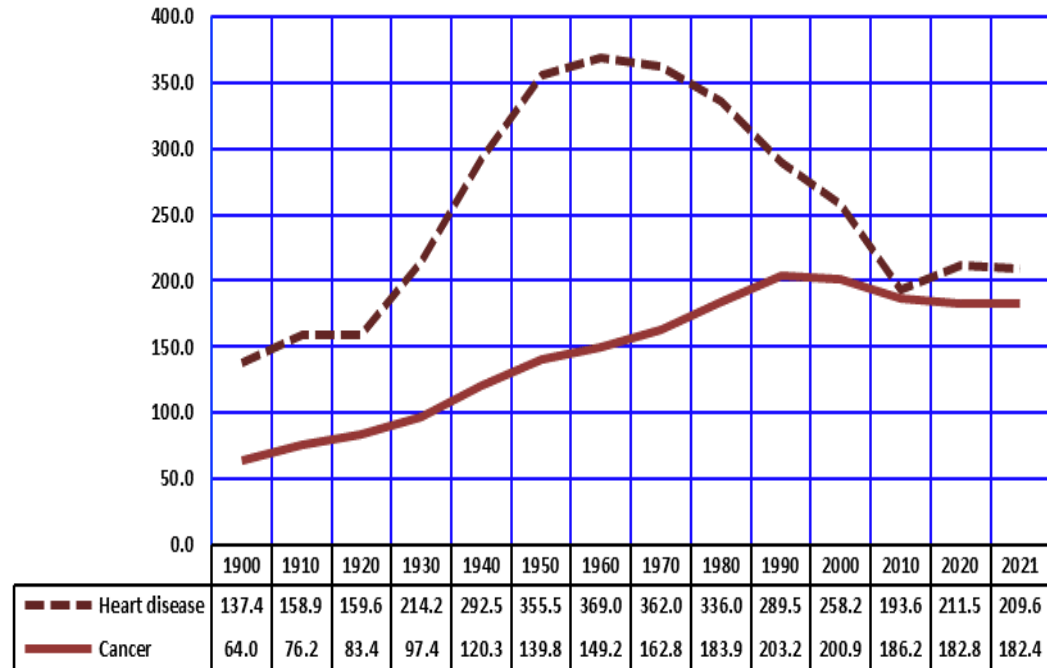
Figure 1 provides the crude death rates (the number of deaths from a specific cause per 100,000 resident population) for the entire United States. From years 1900 and every 10 years until 1970 the risk of death from diseases of the heart was over 2 times greater than the risk of death from cancer; except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

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 193.6 in 2010. From 2010 to 2021, the crude mortality rate for cancer has decreased by 2.0 percent, while the crude death rate for diseases of the heart has seen an increase of 8.3 percent.

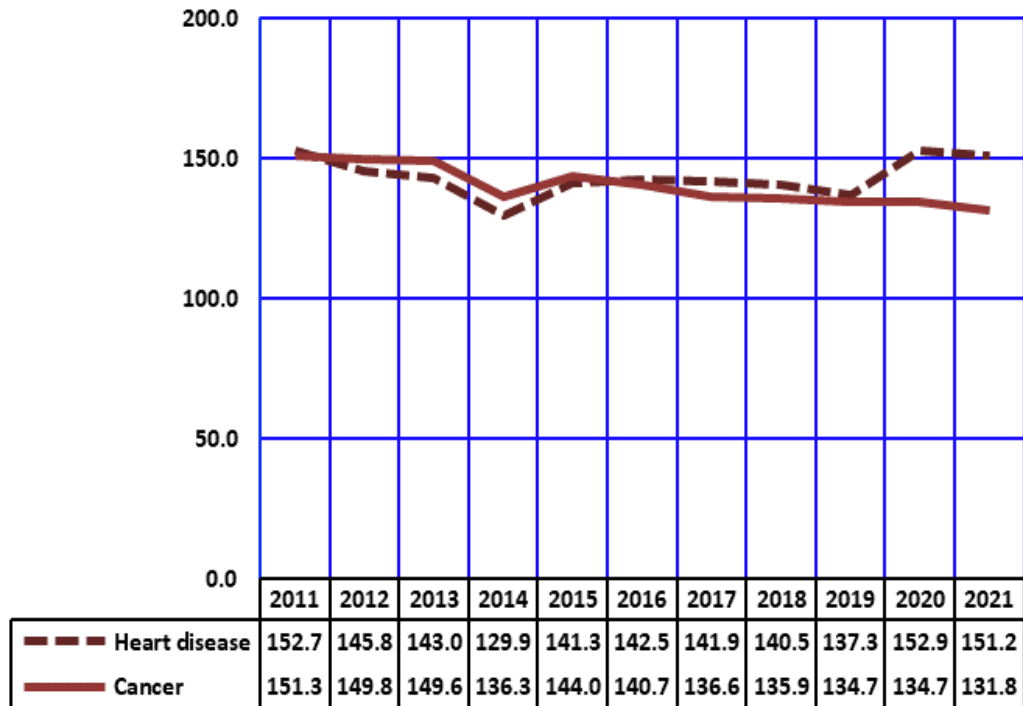
FIGURE 1
CRUDE MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), UNITED STATES, 1900-2021



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 2021 <http://wonder.cdc.gov/ucd-icd10.html>

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FIGURE 2
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA RESIDENTS, 2011-2021



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

All mortality rates for 2011-2021 in **Figure 2 – Figure 12** are not only age-adjusted but also Arizona specific.

In 2011, the mortality rate for diseases of the heart (152.7 deaths per 100,000 population) was 0.9 percent higher than the cancer death rate (151.3 per 100,000 population). However, in 2021, the mortality rate for diseases of the heart was 14.7 percent higher than the cancer death rate. (**Table 1, Figure 2**).

It is important to note that 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. However, since 2016 cancer mortality remained lower than heart disease mortality.

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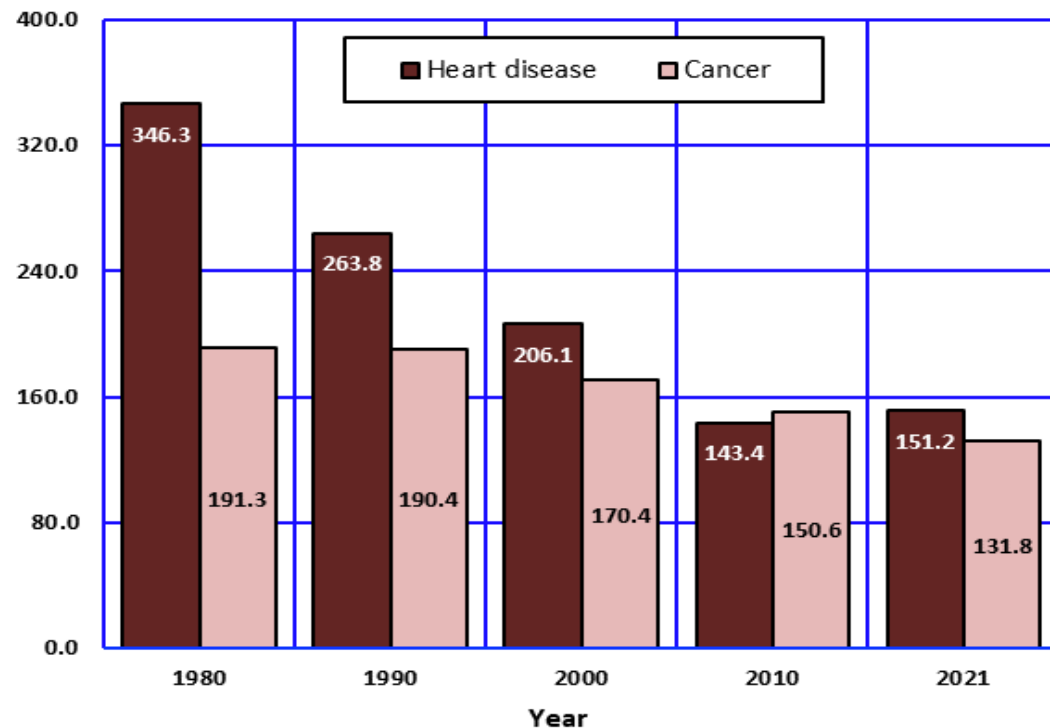
In Arizona, the relative risk of death from the two leading causes narrowed from 81 percent greater for heart disease in 1980 to 21 percent greater in 2000. But in 2010 cancer exceeded heart disease by 4.8 percent (**Figure 3**). In 2021, heart disease surpassed cancer by 14.7 percent.

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 based on the number of deaths.

However, in 2016, 2017, 2018, 2019, 2020, and 2021 age-adjusted cancer death rates were again lower than heart disease mortality rates.

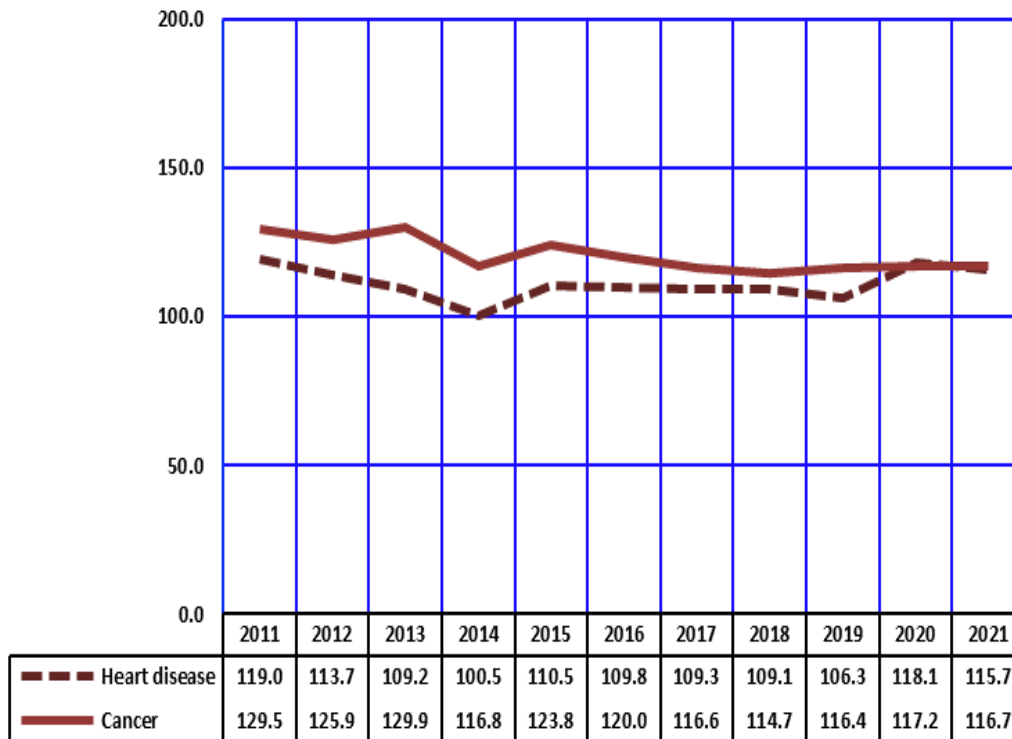
FIGURE 3
COMPARISON OF AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA RESIDENTS, 1980, 1990, 2000, 2010, AND 2021



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

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FIGURE 4
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA FEMALE RESIDENTS, 2011-2021



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

In 2011, the cancer mortality rates exceeded the mortality rates for diseases of the heart among Arizona females by 8.8 percent (**Figure 4**).

In 2020, diseases of the heart had a slight lead in the cause of death among Arizona females but in 2021 cancer became the leading cause of death.

When comparing age-adjusted mortality rates, cancer was the number one cause of death among Arizona Hispanic or Latino, Black or African American, American Indian or Alaska Native, and Asian or Pacific Islander females while diseases of the heart were the leading cause of female mortality among White non-Hispanic.

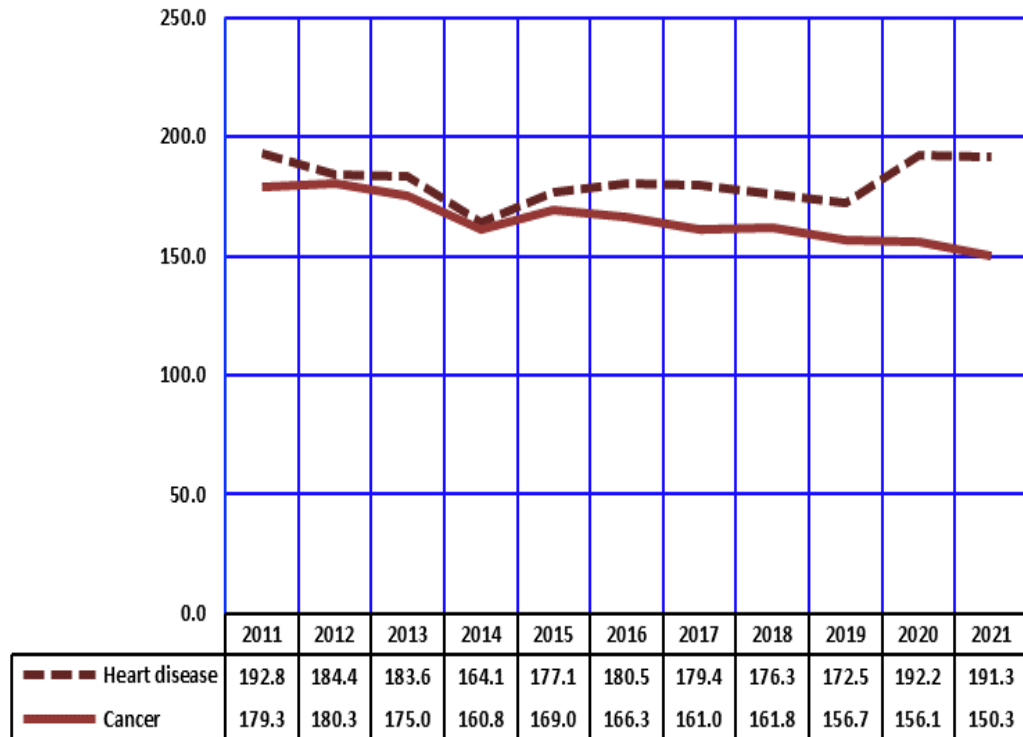
^a Table 2B-4 in Arizona Health Status and Vital Statistics 2021 report at:
<http://pub.azdhs.gov/health-stats/report/ahs/ahs2021/pdf/2b4.pdf>

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In 2011, the age-adjusted mortality rates for heart disease (192.8) slightly exceeded the age-adjusted mortality rates for cancer (179.3) among Arizona males (**Figure 5**).

In 2021, heart disease exceeded cancer and was the number one cause of death among Arizona males.

FIGURE 5
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA MALE RESIDENTS, 2011-2021

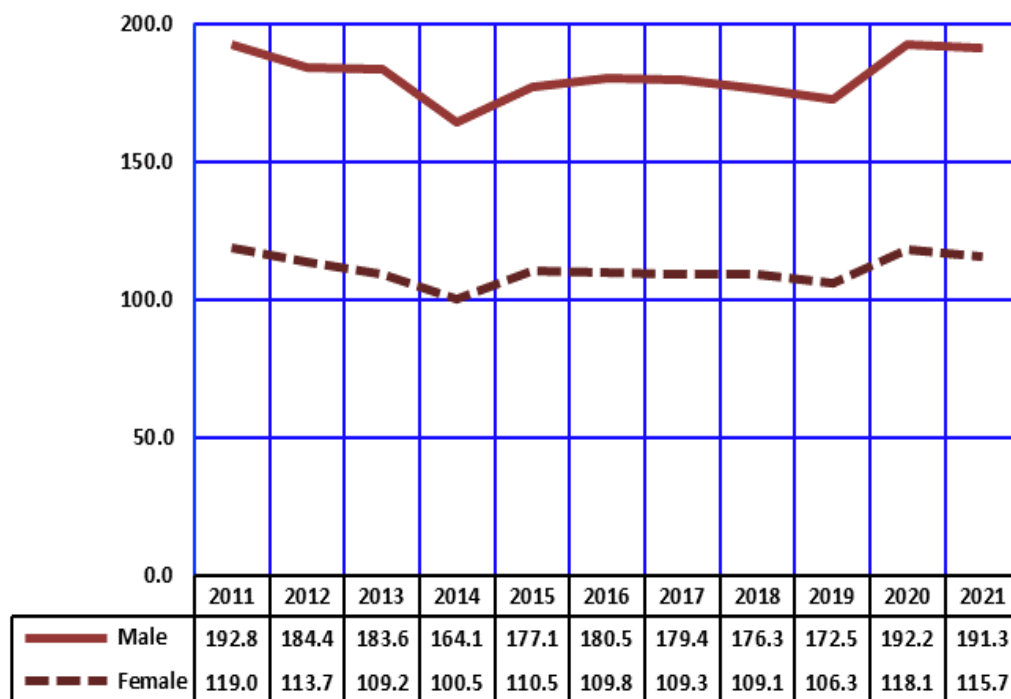


^a Table 2B-4 in Arizona Health Status and Vital Statistics 2021 report at:
<http://pub.azdhs.gov/health-stats/report/ahs/ahs2021/pdf/2b4.pdf>

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

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FIGURE 6
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART BY GENDER AND YEAR,
ARIZONA RESIDENTS, 2011-2021



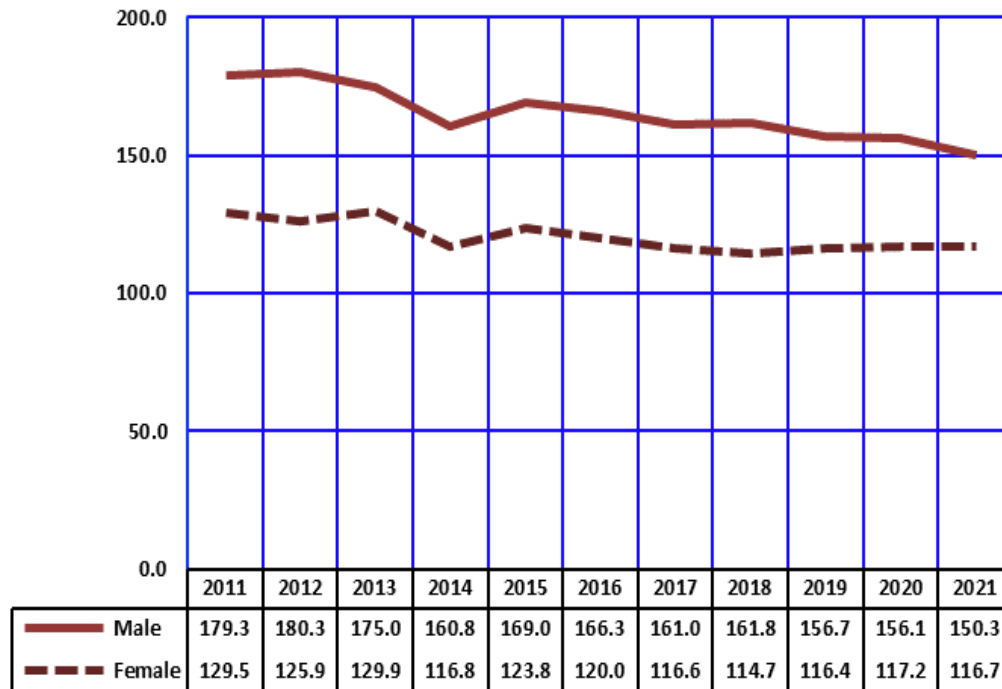
From 2011 through 2021, Arizona male mortality rates for diseases of the heart were greater than the rates of their female counterparts (**Figure 6**). The male to female differential in mortality risk changed slightly at 1.6 times greater for males than females in 2011 compared to 1.7 in 2021.

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

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In each of the 31 years from 1990 to 2021, Arizona male mortality rates for cancer also were greater than the female rates. 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 each year during 1997-2001, 2005-2012, 2014-2018; with the exception of 2002-2004 (1.5); in 2013, 2019, 2020, and 2021 where the ratio was 1.3. of their female counterparts (**Figure 7**). Cancer mortality has been decreasing for both genders. During the 2011-2021 period, cancer mortality rate continued to decline, and as in the past more so among males (16 percent) than females (10 percent).

FIGURE 7
AGE-ADJUSTED^a MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER),
BY GENDER AND YEAR, ARIZONA RESIDENTS, 2011-2021

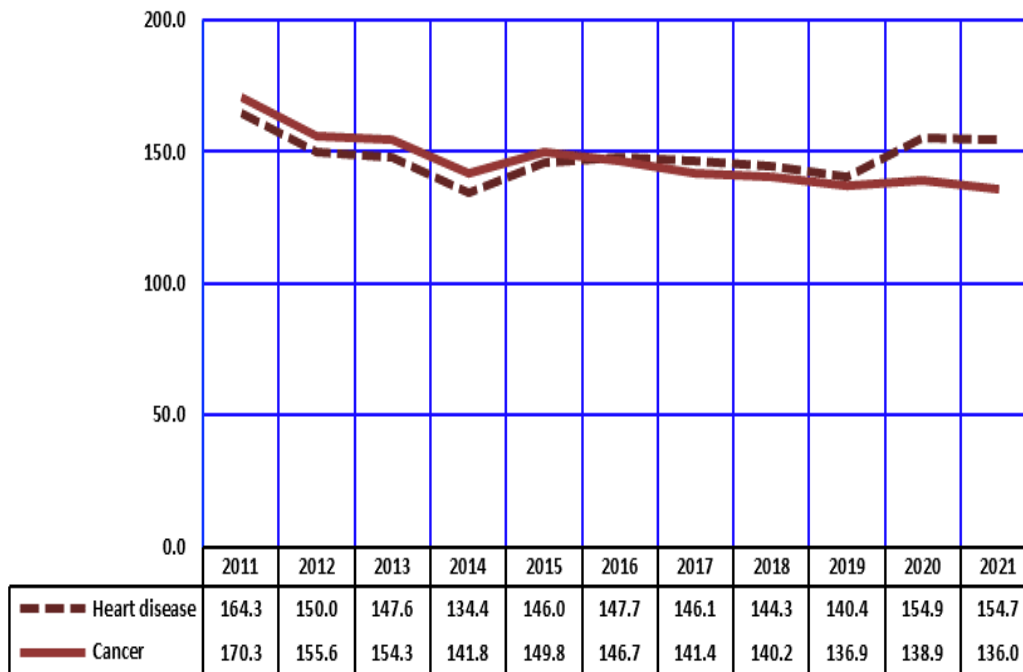


^a Table 2B-4 in Arizona Health Status and Vital Statistics 2021 report at:
<http://pub.azdhs.gov/health-stats/report/ahs/ahs2021/pdf/2b4.pdf>

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

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FIGURE 8
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA WHITE NON-HISPANIC RESIDENTS,
2011-2021



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

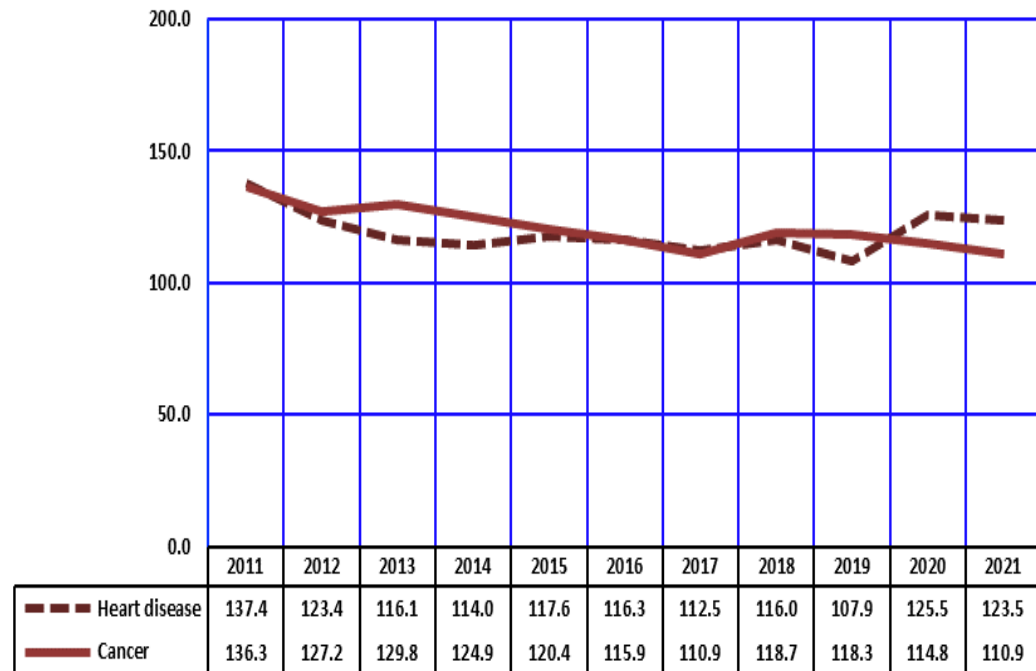
From 2011-2015, the age-adjusted mortality rates for cancer among White non-Hispanic residents of Arizona exceeded the mortality rates for heart disease (**Table 1, Figure 8**). In 2016-2021, the pattern has altered with the age-adjusted mortality rates for heart disease exceeding cancer among White non-Hispanic Arizona residents.

It is important to note that in 2021, White non-Hispanic Arizonans 75 years or older accounted for six out of ten deaths from heart disease (67.9 percent among White non-Hispanic Arizonans; (**Table 3**), while those younger than 75 years accounted for the absolute majority of death from cancer (50.5 percent) among White non-Hispanic Arizonans.

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Among Hispanic or Latino residents of the state, cancer mortality rate slightly exceeded mortality due to diseases of the heart in most of the 2011-2021 period (**Figure 9, Table 1**). In 2011, 2016-2017, and 2020-2021 mortality due to diseases of the heart surpassed cancer mortality among Hispanic or Latino residents.

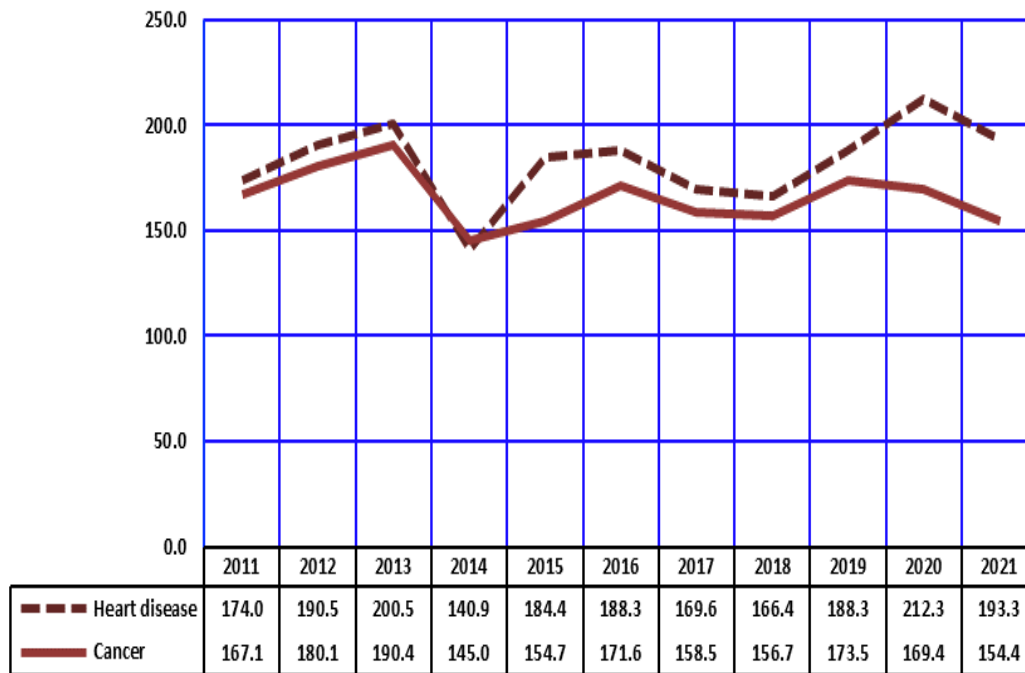
FIGURE 9
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA HISPANIC OR LATINO RESIDENTS,
2011-2021



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

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FIGURE 10
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA BLACK OR AFRICAN AMERICAN RESIDENTS,
2011-2021



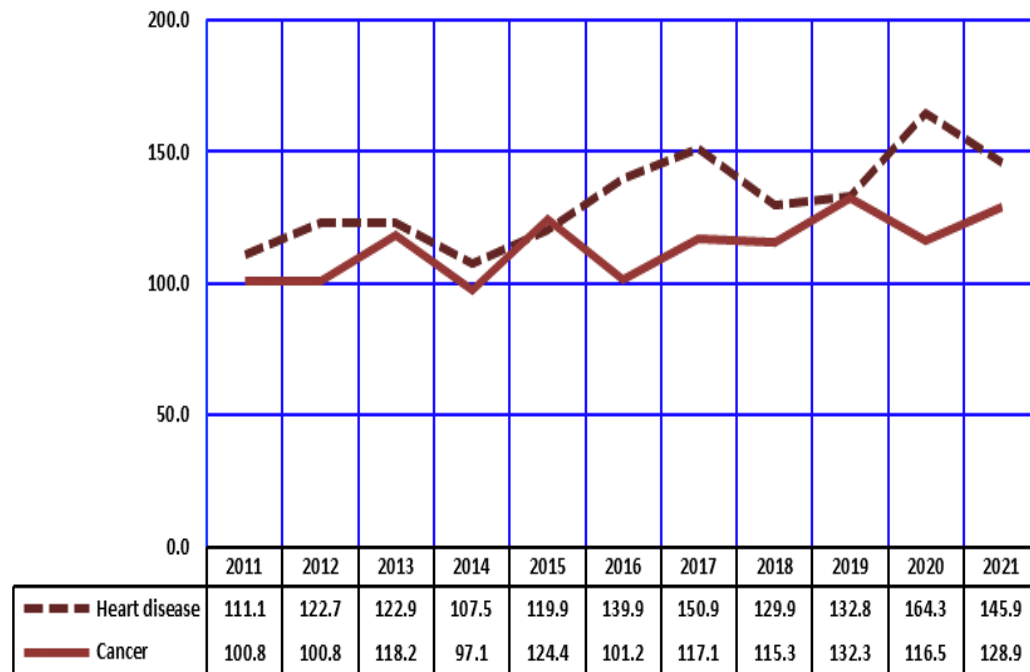
Similarly, the temporal pattern of changes in the mortality risks for diseases of the heart and cancer among Black or African American residents was marked by some variations. Mortality due to diseases of the heart exceeded cancer mortality in each year during 2011-2021, except in 2014. The mortality differential between heart disease and cancer reached a high of 1.3 in 2020-2021 over the time period (**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

In 2011, the cancer mortality rate was 100.8/100,000, while the heart disease rate was 111.1/100,000 (**Table 1**), corresponding to a rate differential of 10.2 percent. In 2021, the differential between the rate of the two diseases has substantially increased to 13.2 percent.

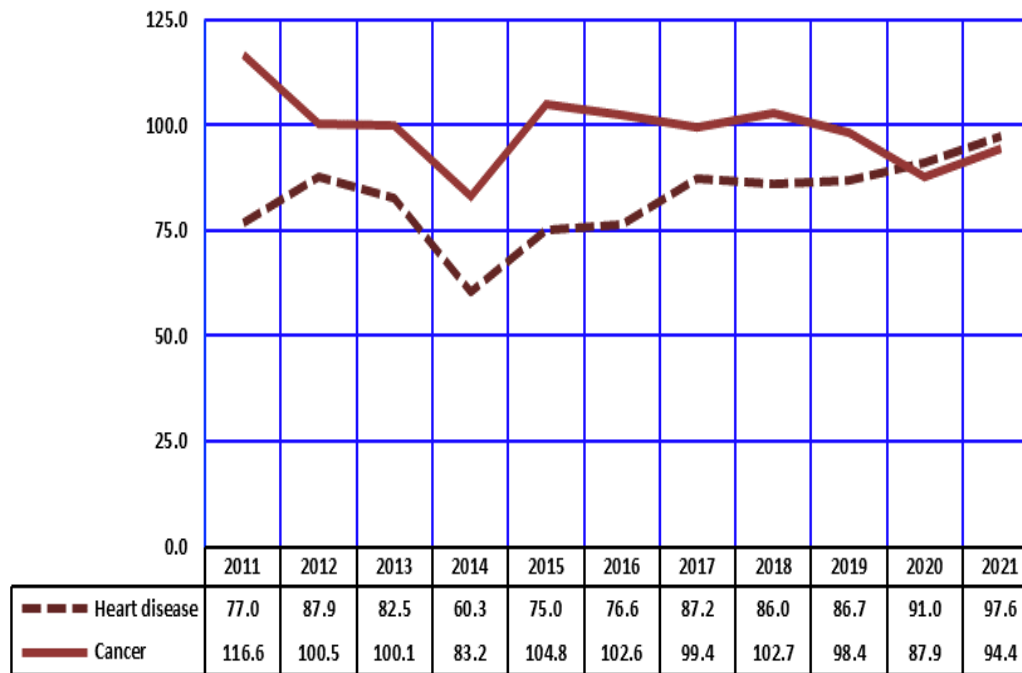
FIGURE 11
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA AMERICAN INDIAN OR ALASKA NATIVE
RESIDENTS, 2011-2021



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,
2011-2021



During 2011-2021, the mortality rate differential for diseases of the heart and cancer shrunk among Asian or Pacific Islander residents of Arizona (**Figure 12**). The cancer mortality rate exceeded the death rate for diseases of the heart during the entire 11 year-period except for 2020 and 2021.

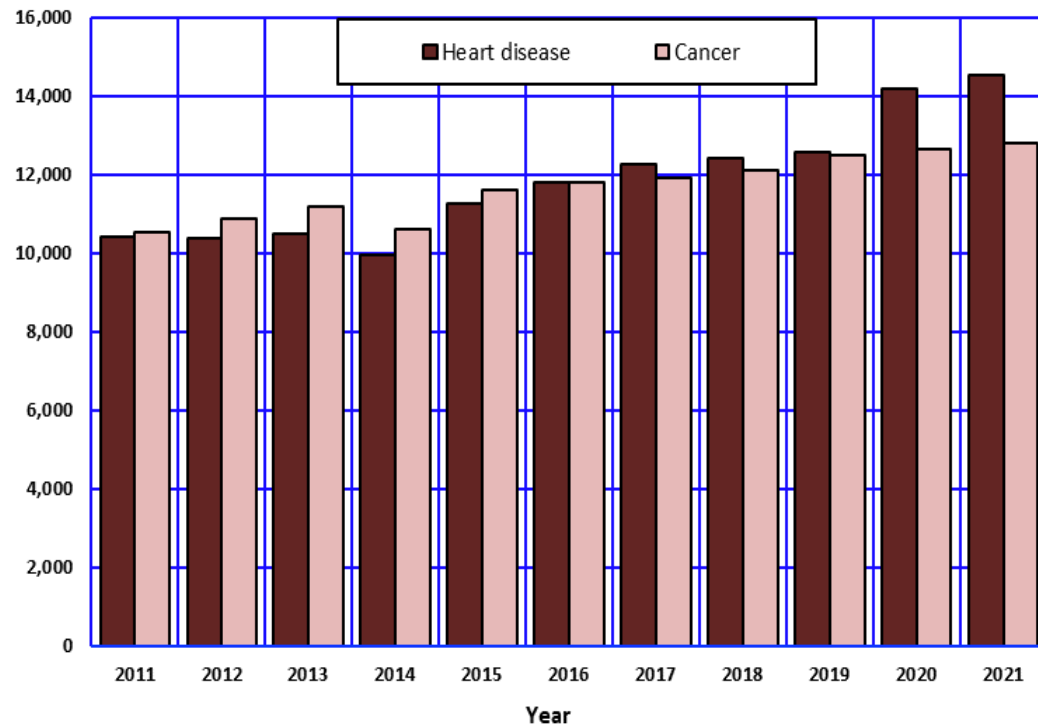
Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

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 since 2016-2021 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 2011, there were 119 less deaths from diseases of the heart than cancer among Arizona residents (**Figure 13, Table 2**). In 2021, the difference in the number of deaths from heart disease was 1,726 more than cancer.

FIGURE 13
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), BY YEAR, ARIZONA RESIDENTS,
2011-2021



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,
2011-2021



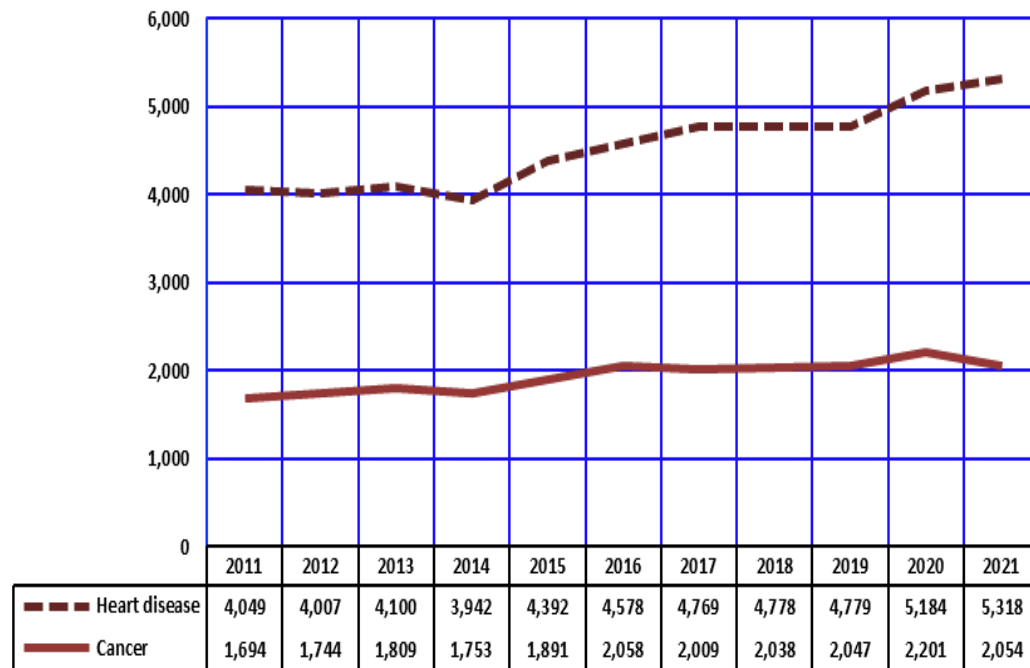
It is not very widely known that for the past thirteen years cancer has already been the number one cause of death among Arizonans aged 0-84 years (**Figure 14, Table 4, and Table 5**). Beginning in 1996, the annual number of cancer deaths exceeded the number of deaths from heart disease. In 2021, 1,538 more Arizonans 0-84 years old died from cancer (10,756) than heart disease (9,218).

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 2021, the elderly aged 85 years or older accounted for 16.0 percent of all deaths from cancer but 36.6 percent of all deaths from heart disease.

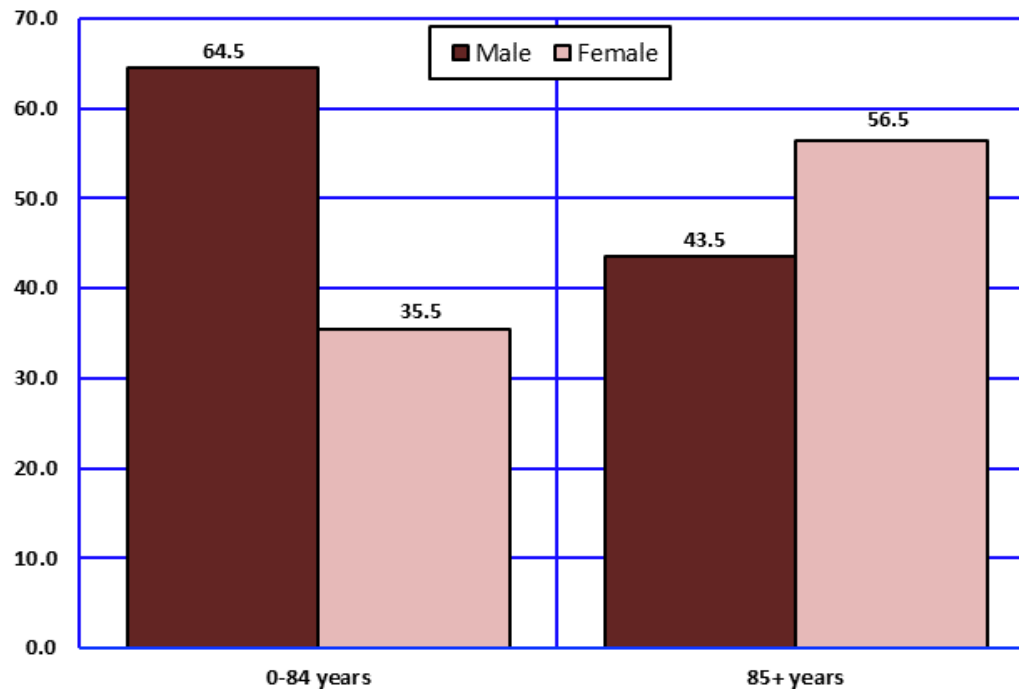
From 2011 to 2021, the number of deaths from cancer among Arizonans 85 years or older increased by 21.3 percent, as well as increasing for the number of deaths due to diseases of the heart for the same age group by 31.3 percent.

FIGURE 15
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
AMONG ARIZONA RESIDENTS 85+ YEARS OLD,
2011-2021



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 2011-2021)



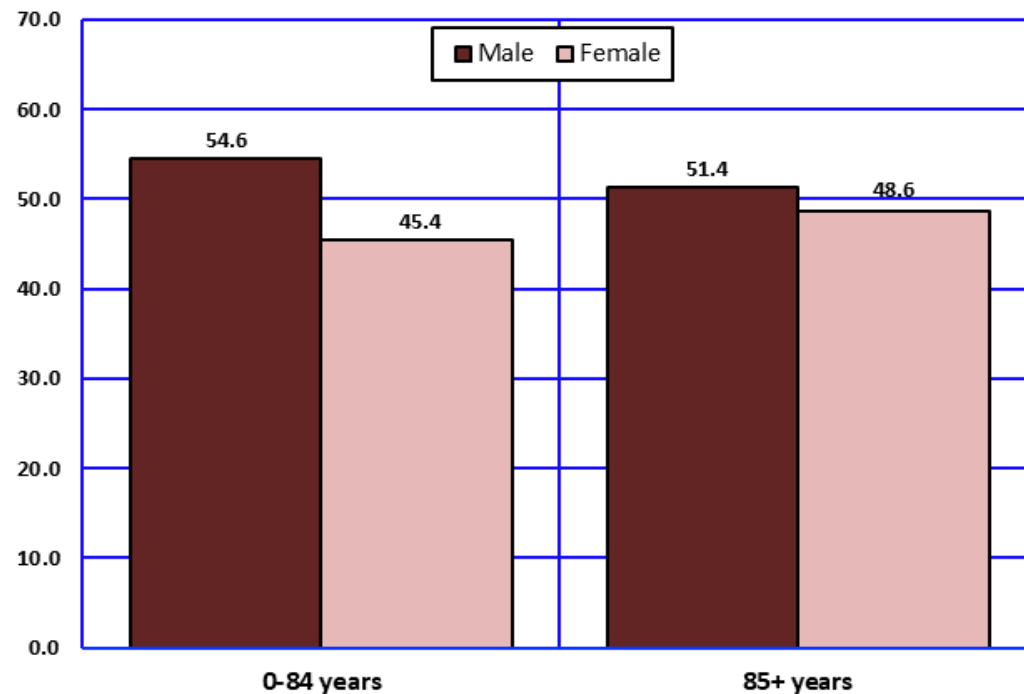
The gender-specific pattern of mortality from diseases of the heart reveals that males accounted for the absolute majority (64.5 percent) of those who died from the disease in 2011-2021 before reaching the age of 85 years (**Figure 16, Table 8, Table 9**). The opposite is true for Arizonans aged 85 years old or older; females accounted for the majority (56.5 percent) of those who died from diseases of the heart among that age group.

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 also reveals differences, however less pronounced than those of the diseases of the heart.

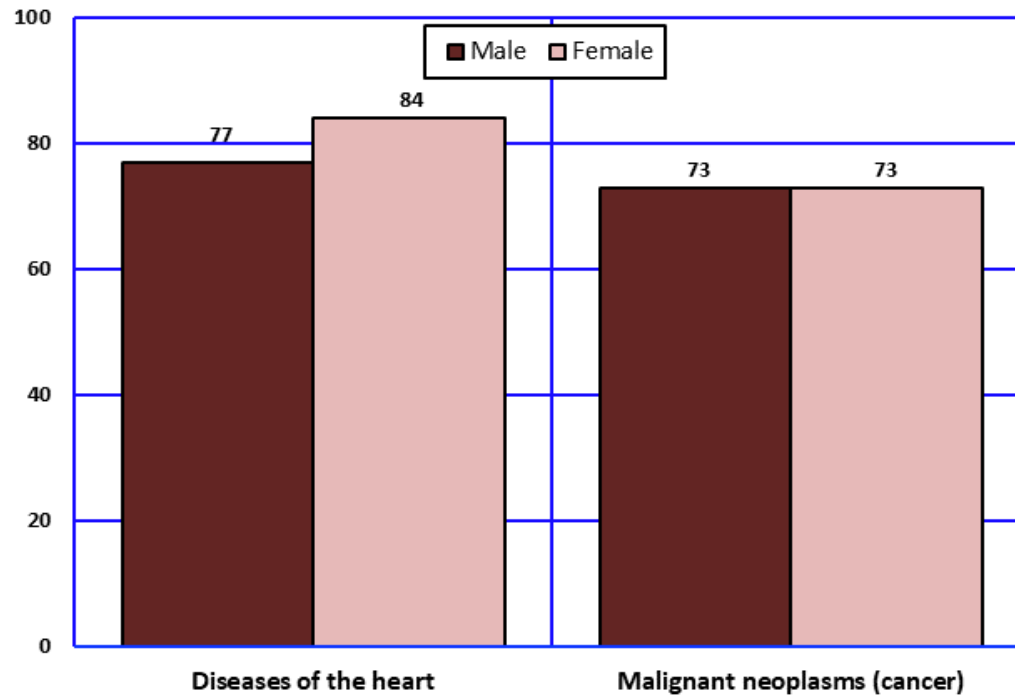
In 2011-2021, males accounted for the cumulative majority (54.6 percent) of deaths from cancer prior to age 85 years (**Figure 17, Table 8, Table 9**). Gender differences were less pronounced among Arizonans aged 85 years or older; males (51.4 percent) were almost as likely as women (48.6 percent) to 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 2011-2021)



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, 2021



In 2021, there was no difference by gender in the median age of cancer victims^a. Both males and females who died from cancer were 73 years old (**Figure 18**). In the same year, the median age at death ranged from 70 years for victims of breast cancer, to 79 years for victims of prostate cancer.

Among those who died from diseases of the heart, the median age of females was 84 years, exceeding by seven years the median age of males 77 years, which remained unchanged from 2020.

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.

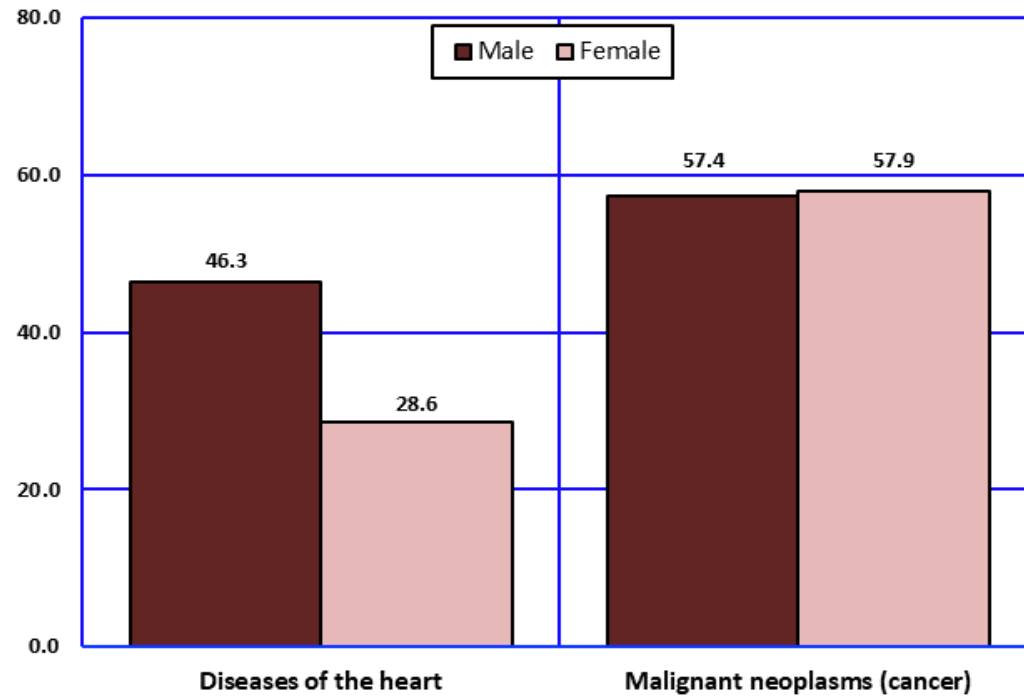
^a Table 2D-3 in Arizona Health Status and Vital Statistics 2021 report at:
<http://pub.azdhs.gov/health-stats/report/ahs/ahs2021/pdf/2d3.pdf>

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

Among females who died in 2021 from heart disease, only 28.6 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 57.9 percent of deaths from cancer. The majority of male deaths either from cancer (57.4 percent) or heart disease (46.3 percent) were premature.

^a Table 2D-4 in Arizona Health Status and Vital Statistics 2021 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2021/pdf/2d4.pdf>

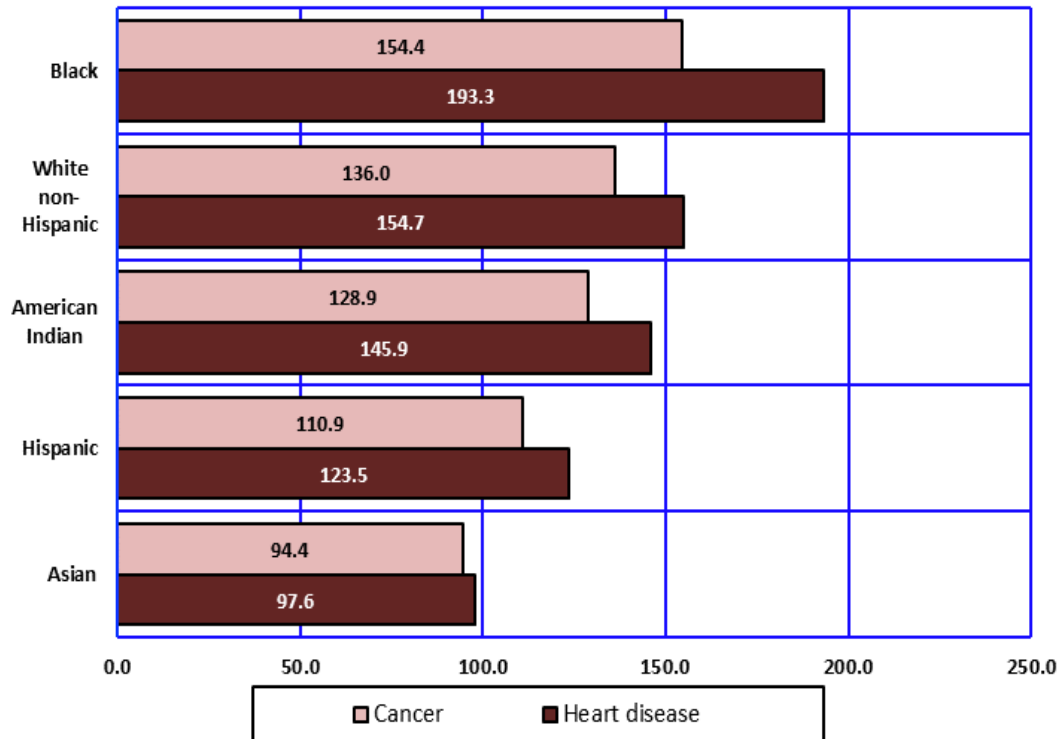
FIGURE 19
PERCENT DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), BY GENDER
AMONG ARIZONA RESIDENTS, 2021



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, 2021



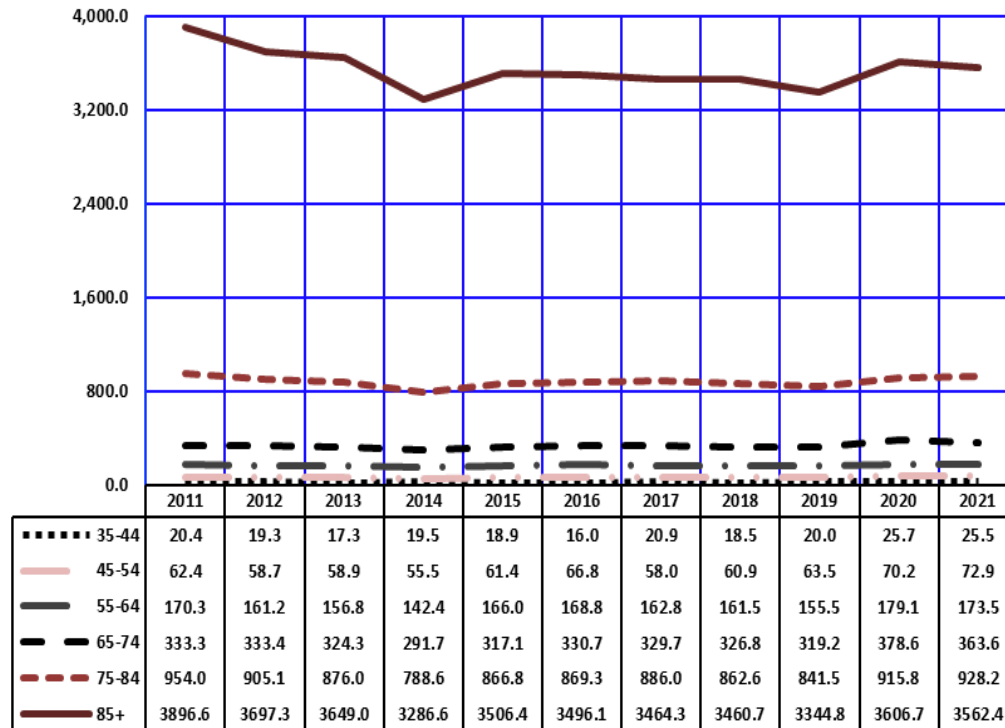
In 2021, among all the racial/ethnic groups in Arizona, Black or African Americans were 2.0 times more likely to die from diseases of the heart and 1.6 times more likely to die from malignant neoplasms than Asian or Pacific Islanders, the group with the lowest risk of both heart disease and cancer death (**Figure 20, Table 1**).

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 more than 25 deaths per 100,000 persons aged 35-44 years, to about 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 2011, age-specific mortality rates for diseases of the heart in 2021 were lower for Arizonans aged 75-84 and 85+ years (**Figure 21, Table 12**); those Arizonans aged 35-44, 45-54, 55-64, and 65-74 had higher mortality rates in 2021.

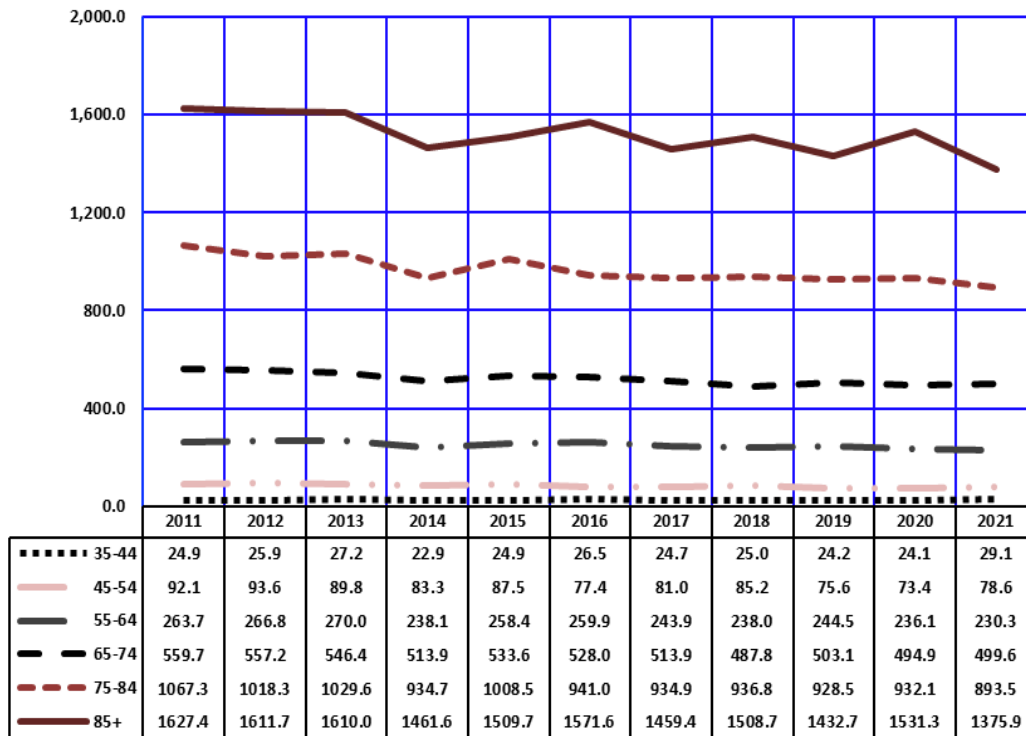
FIGURE 21
TRENDS IN AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART AMONG SELECTED AGE GROUPS OF ARIZONA RESIDENTS, 2011-2021



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, 2011-2021



Note: log scale.

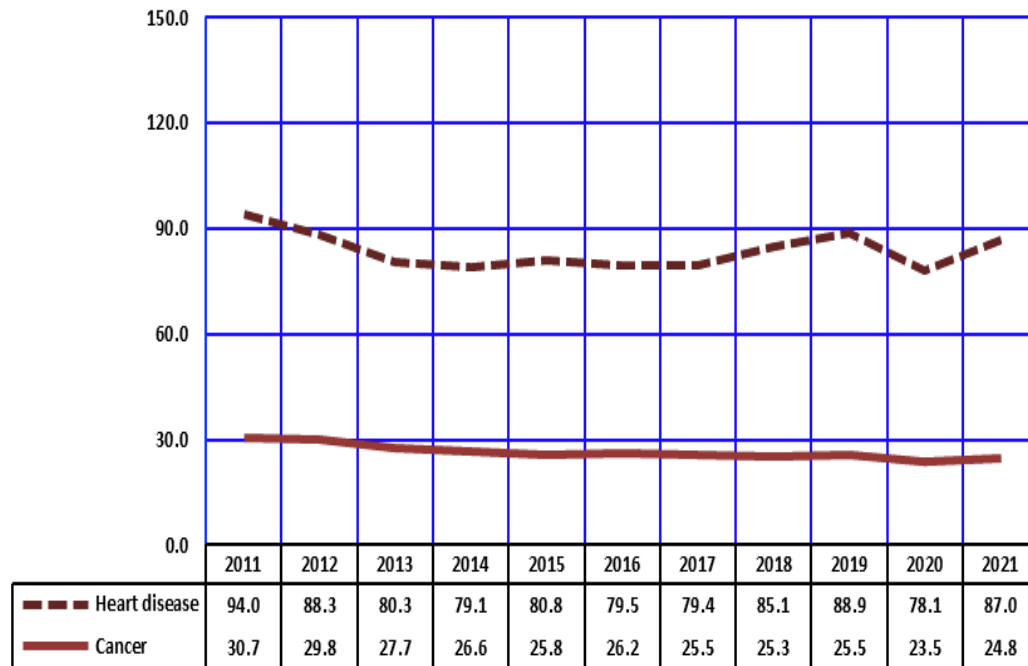
Figure 22 also uses a logarithmic scale to reflect the magnitude and changes over time in age-specific mortality rates for cancer. Compared to 2011, mortality rates for cancer have declined in 2021 during the same period for all the age groups except for those aged 35-44 (**Table 13**). The decline was more pronounced among Arizona residents aged 75-84 (16.3 percent), 85+ (15.5 percent), 45-54 (14.7 percent) than among those aged 55-64 (12.7 percent) and 65-74 (10.7 percent).

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

In 2021, there were 63,402 inpatient discharges with first-listed diagnosis of heart disease, approximately 9.3 percent of all inpatient discharges, and 3.5 times more than the number of inpatient discharges with cancer as the principal diagnosis (18,069).

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 mostly decreasing for the most part during the 2011-2021 period (**Figure 23, Table 14**). The inpatient discharge rate with cancer diagnosis decreased from 30.7/10,000 in 2011 to 24.8 in 2021 and heart disease from 94.0/10,000 in 2011 to 87.0 in 2021.

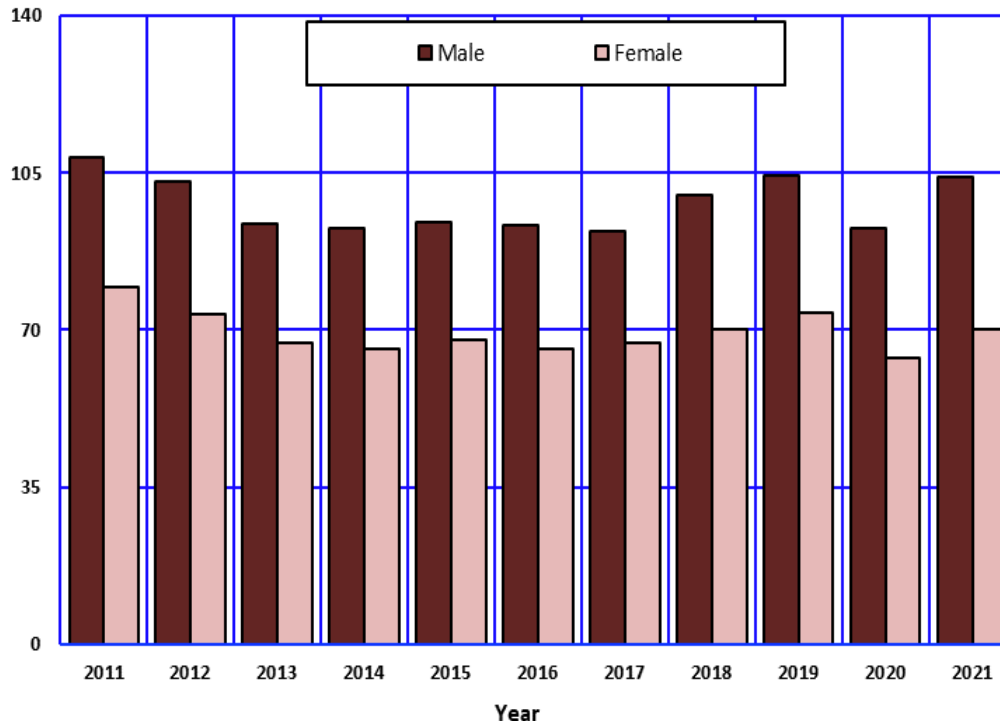
FIGURE 23
RATES OF INPATIENT DISCHARGES^a WITH DISEASES OF THE HEART OR
MALIGNANT NEOPLASMS (CANCER) AS FIRST-LISTED DIAGNOSIS BY YEAR,
ARIZONA RESIDENTS, 2011-2021



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, 2011-2021



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

In each of the 11 years from 2011 to 2021, 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 genders experienced a decline in the hospitalization rates, but more so among females (11.8 percent) than males (4.1 percent) during the eleven-year period.

In 2021, among the 63,402 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 (23,084) and cardiac catheterization (15,418).

No specific procedure was recorded for 35.1 percent of the inpatient discharges with the first-listed diagnosis of heart disease.

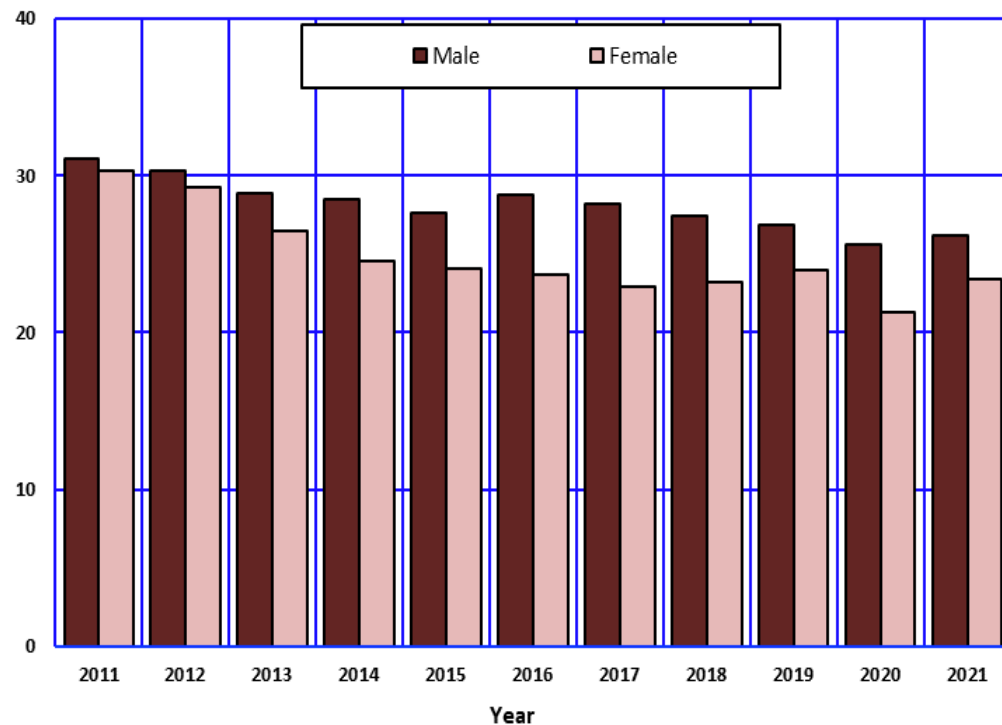
HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

Arizona female inpatient discharge rates with first-listed diagnosis of cancer were lower than the rates of their male counterparts (**Figure 24, Table 14**). From 2011 to 2021, the female inpatient hospitalization rates witnessed a continually decrease from 30.3/10,000 to 23.4/10,000.

In 2021, among the 18,069 Arizonans who were discharged with malignant neoplasm as first-listed diagnosis, 15,892 (88.0 percent) had at least one procedure performed while hospitalized. Operation on the gastrointestinal (5,225), operation on lymphatic system (4,190), and operation on the urinary system (2,269) were the top three most frequently reported procedures.

No specific procedure was recorded for approximately 12.0 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,
2011-2021



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, 2011-2021

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																		
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
2017	141.9	179.4	109.3	146.1	183.4	112.8	112.5	144.9	86.6	169.6	210.0	134.3	150.9	217.2	103.9	87.2	105.3	76.4
2018	140.5	176.3	109.1	144.3	181.1	111.4	116.0	147.4	90.1	166.4	185.8	149.5	129.9	156.0	108.6	86.0	112.9	68.5
2019	137.3	172.5	106.3	140.4	175.7	108.5	107.9	141.6	81.1	188.3	201.7	175.5	132.8	176.0	100.6	86.7	118.0	63.8
2020	152.9	192.2	118.1	154.9	192.5	120.8	125.5	163.5	94.8	212.3	263.8	164.4	164.3	234.2	113.2	91.0	112.0	74.6
2021	151.2	191.3	115.7	154.7	193.0	120.1	123.5	159.8	93.8	193.3	258.1	136.0	145.9	208.5	97.8	97.6	119.7	81.9
MALIGNANT NEOPLASMS (CANCER)																		
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
2017	136.6	161.0	116.6	141.4	167.7	119.1	110.9	130.9	95.9	158.5	164.8	151.2	117.1	114.6	118.2	99.4	121.4	85.6
2018	135.9	161.8	114.7	140.2	165.7	118.9	118.7	144.3	99.6	156.7	193.4	131.2	115.3	149.6	92.6	102.7	112.0	96.7
2019	134.7	156.7	116.4	136.9	158.3	118.6	118.3	137.3	103.7	173.5	210.0	147.1	132.3	162.6	112.5	98.4	113.1	89.8
2020	134.7	156.1	117.2	138.9	159.3	121.8	114.8	132.7	100.9	169.4	206.2	141.6	116.5	138.7	102.8	87.9	97.0	81.5
2021	131.8	150.3	116.7	136.0	155.4	119.6	110.9	128.0	98.5	154.4	151.7	158.3	128.9	139.9	123.2	94.4	100.1	91.0

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, 2011-2021

Year	Diseases of the heart	Malignant neoplasms (cancer)	Differences in the number of deaths between diseases of the heart and malignant neoplasm (cancer)
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
2017	12,285	11,917	368
2018	12,410	12,097	313
2019	12,560	12,485	75
2020	14,185	12,671	1,514
2021	14,536	12,810	1,726

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, 2021

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	31,390	0	*	0.0	**
1-4	0.055317	130,006	*	*	**	**
5-14	0.145565	371,085	7	*	0.3	**
15-24	0.138646	413,482	18	*	0.6	**
25-34	0.135573	473,159	31	22	0.9	0.6
35-44	0.162613	448,684	124	111	4.5	4.0
45-54	0.134834	472,987	417	352	11.9	10.0
55-64	0.087247	593,800	1,444	1,062	21.2	15.6
65-74	0.066037	596,855	3,020	2,170	33.4	24.0
75-84	0.044842	349,008	3,197	3,294	41.1	42.3
85+	0.015508	123,602	1,759	4,602	22.1	57.7
All ages	1.000000	4,004,058	10,018	11,622	136.0	154.5

Notes: * cell suppressed due to non-zero count less than 6; ** cell suppressed due to rate based on non-zero count less than 6; 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, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total, all groups	Total	Malignant neoplasms	8,858	9,135	9,384	8,847	9,733	9,743	9,908	10,014	10,438	10,470	10,756
		Diseases of the heart	6,386	6,382	6,396	6,011	6,882	7,241	7,516	7,632	7,781	9,001	9,218
	Male	Malignant neoplasms	4,820	5,057	5,056	4,830	5,292	5,355	5,466	5,559	5,685	5,672	5,736
		Diseases of the heart	4,112	4,071	4,162	3,918	4,410	4,654	4,872	4,916	5,002	5,776	5,992
	Female	Malignant neoplasms	4,038	4,078	4,328	4,017	4,441	4,388	4,442	4,455	4,753	4,798	5,020
		Diseases of the heart	2,274	2,311	2,234	2,093	2,472	2,587	2,644	2,716	2,779	3,225	3,226
White non-Hispanics	Total	Malignant neoplasms	7,245	7,419	7,538	7,125	7,787	7,827	7,824	7,814	7,990	8,100	8,259
		Diseases of the heart	5,163	5,128	5,132	4,784	5,430	5,744	5,854	5,892	5,953	6,794	7,020
	Male	Malignant neoplasms	3,971	4,128	4,126	3,923	4,251	4,309	4,377	4,382	4,397	4,418	4,505
		Diseases of the heart	3,342	3,311	3,363	3,133	3,516	3,711	3,811	3,828	3,847	4,336	4,563
	Female	Malignant neoplasms	3,274	3,291	3,412	3,202	3,536	3,518	3,447	3,432	3,593	3,682	3,754
		Diseases of the heart	1,821	1,817	1,769	1,651	1,914	2,033	2,043	2,064	2,106	2,458	2,457
Hispanics or Latinos	Total	Malignant neoplasms	1,042	1,082	1,202	1,109	1,253	1,208	1,250	1,358	1,470	1,448	1,510
		Diseases of the heart	729	746	745	719	875	873	895	953	965	1,172	1,240
	Male	Malignant neoplasms	582	592	613	604	692	677	660	729	774	767	772
		Diseases of the heart	451	460	472	468	546	552	574	623	626	763	805
	Female	Malignant neoplasms	460	490	589	505	561	531	590	629	696	681	738
		Diseases of the heart	278	286	273	251	329	321	321	330	339	409	435
Black or African American	Total	Malignant neoplasms	253	305	307	283	302	345	366	344	411	433	417
		Diseases of the heart	233	252	271	246	302	316	304	302	386	460	457
	Male	Malignant neoplasms	116	179	159	135	162	197	195	188	223	238	193
		Diseases of the heart	151	144	183	148	179	208	191	168	208	301	307
	Female	Malignant neoplasms	137	126	148	148	140	148	171	156	188	195	224
		Diseases of the heart	82	108	88	98	123	108	113	134	178	159	150
American Indian or Alaska Native	Total	Malignant neoplasms	186	197	212	200	228	186	230	240	296	241	291
		Diseases of the heart	194	184	177	192	199	226	254	240	244	318	280
	Male	Malignant neoplasms	90	102	96	110	110	90	105	126	151	121	129
		Diseases of the heart	123	111	103	125	124	140	158	136	148	201	184
	Female	Malignant neoplasms	96	95	116	90	118	96	125	114	145	120	162
		Diseases of the heart	71	73	74	67	75	86	96	104	96	117	96
Asian or Pacific Islander	Total	Malignant neoplasms	132	132	125	130	163	177	169	193	208	189	226
		Diseases of the heart	67	72	71	70	76	82	107	133	127	141	149
	Male	Malignant neoplasms	61	56	62	58	77	82	81	88	95	88	98
		Diseases of the heart	45	45	41	44	45	43	56	76	87	88	79
	Female	Malignant neoplasms	71	76	63	72	86	95	88	105	113	101	128
		Diseases of the heart	22	27	30	26	31	39	51	57	40	53	70
Other unspecified or other unknown	Total	Malignant neoplasms	0	0	0	0	0	0	69	65	63	59	53
		Diseases of the heart	0	0	0	0	0	0	102	112	106	116	72
	Male	Malignant neoplasms	0	0	0	0	0	0	48	46	45	40	39
		Diseases of the heart	0	0	0	0	0	0	82	85	86	87	54
	Female	Malignant neoplasms	0	0	0	0	0	0	21	19	18	19	14
		Diseases of the heart	0	0	0	0	0	0	20	27	20	29	18

Note: Totals may include records with unknown gender.

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, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
TOTAL STATE	Total	Malignant neoplasms	8,858	9,135	9,384	8,847	9,733	9,743	9,908	10,014	10,438	10,470	10,756
		Diseases of the heart	6,386	6,382	6,396	6,011	6,882	7,241	7,516	7,632	7,781	9,001	9,218
	Male	Malignant neoplasms	4,820	5,057	5,056	4,830	5,292	5,355	5,466	5,559	5,685	5,672	5,736
		Diseases of the heart	4,112	4,071	4,162	3,918	4,410	4,654	4,872	4,916	5,002	5,776	5,992
	Female	Malignant neoplasms	4,038	4,078	4,328	4,017	4,441	4,388	4,442	4,455	4,753	4,798	5,020
		Diseases of the heart	2,274	2,311	2,234	2,093	2,472	2,587	2,644	2,716	2,779	3,225	3,226
APACHE	Total	Malignant neoplasms	72	74	81	61	71	68	80	85	95	75	89
		Diseases of the heart	63	50	61	59	72	77	96	71	69	105	90
	Male	Malignant neoplasms	37	43	38	37	36	36	41	43	54	37	49
		Diseases of the heart	39	35	37	46	38	45	55	44	40	68	65
	Female	Malignant neoplasms	35	31	43	24	35	32	39	42	41	38	40
		Diseases of the heart	24	15	24	13	34	32	41	27	29	37	25
COCHISE	Total	Malignant neoplasms	197	225	261	249	244	245	250	235	262	246	266
		Diseases of the heart	224	201	199	165	201	182	200	215	187	225	236
	Male	Malignant neoplasms	125	123	151	156	130	141	141	149	153	155	145
		Diseases of the heart	149	137	127	110	124	119	139	140	112	142	147
	Female	Malignant neoplasms	72	102	110	93	114	104	109	86	109	91	121
		Diseases of the heart	75	64	72	55	77	63	61	75	75	83	89
COCONINO	Total	Malignant neoplasms	115	115	122	101	130	139	134	161	138	154	142
		Diseases of the heart	97	100	78	80	102	108	111	85	86	106	100
	Male	Malignant neoplasms	59	67	67	48	74	66	74	76	65	80	72
		Diseases of the heart	60	66	45	58	68	74	70	50	54	79	69
	Female	Malignant neoplasms	56	48	55	53	56	73	60	85	73	74	70
		Diseases of the heart	37	34	33	22	34	34	41	35	32	27	31
GILA	Total	Malignant neoplasms	133	120	128	119	151	129	99	113	125	135	106
		Diseases of the heart	90	85	88	96	109	141	117	132	134	145	136
	Male	Malignant neoplasms	70	75	68	73	87	78	49	78	60	85	60
		Diseases of the heart	58	49	55	67	72	91	76	94	94	98	89
	Female	Malignant neoplasms	63	45	60	46	64	51	50	35	65	50	46
		Diseases of the heart	32	36	33	29	37	50	41	38	40	47	47
GRAHAM	Total	Malignant neoplasms	41	49	57	41	44	48	46	42	44	47	64
		Diseases of the heart	30	37	28	43	29	38	37	50	37	41	59
	Male	Malignant neoplasms	24	24	31	20	27	24	21	19	23	24	32
		Diseases of the heart	21	21	14	23	18	27	24	31	27	27	36
	Female	Malignant neoplasms	17	25	26	21	17	24	25	23	21	23	32
		Diseases of the heart	9	16	14	20	11	11	13	19	10	14	23
GREENLEE	Total	Malignant neoplasms	10†	16	10†	10†	18	10†	10†	10†	10†	13	10†
		Diseases of the heart	10†	10†	10†	10†	10†	10†	10†	10†	10†	15	10†
	Male	Malignant neoplasms	*	6	*	*	8	*	7	*	8	6	10
		Diseases of the heart	*	9	*	*	7	9	*	8	*	7	6
	Female	Malignant neoplasms	7	10	7	*	10	*	*	*	*	7	*
		Diseases of the heart	*	*	*	*	*	*	*	*	6	8	*

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, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
LA PAZ	Total	Malignant neoplasms	31	46	48	40	42	52	57	56	55	42	64
		Diseases of the heart	54	58	64	58	71	51	79	67	77	91	68
	Male	Malignant neoplasms	20	33	26	27	26	28	36	30	34	28	36
		Diseases of the heart	38	43	43	47	57	40	57	49	58	67	52
	Female	Malignant neoplasms	11	13	22	13	16	24	21	26	21	14	28
		Diseases of the heart	16	15	21	11	14	11	22	18	19	24	16
MARICOPA	Total	Malignant neoplasms	4,714	4,900	5,007	4,831	5,270	5,292	5,350	5,315	5,559	5,607	5,809
		Diseases of the heart	3,178	3,126	3,245	3,008	3,431	3,616	3,834	3,970	4,105	4,661	4,781
	Male	Malignant neoplasms	2,453	2,602	2,641	2,586	2,808	2,873	2,896	2,867	2,975	2,974	3,004
		Diseases of the heart	2,022	1,983	2,092	1,946	2,189	2,278	2,438	2,528	2,602	2,988	3,064
	Female	Malignant neoplasms	2,261	2,298	2,366	2,245	2,462	2,419	2,454	2,448	2,584	2,633	2,805
		Diseases of the heart	1,156	1,143	1,153	1,062	1,242	1,338	1,396	1,442	1,503	1,673	1,717
MOHAVE	Total	Malignant neoplasms	533	515	599	491	616	639	623	648	680	643	641
		Diseases of the heart	485	535	541	456	586	621	612	618	527	660	676
	Male	Malignant neoplasms	324	322	339	246	360	343	383	394	379	387	374
		Diseases of the heart	327	358	373	299	383	412	417	433	362	443	476
	Female	Malignant neoplasms	209	193	260	245	256	296	240	254	301	256	267
		Diseases of the heart	158	177	168	157	203	209	195	185	165	217	200
NAVAJO	Total	Malignant neoplasms	153	134	160	124	137	153	157	148	172	145	192
		Diseases of the heart	110	113	90	112	114	129	102	145	132	188	177
	Male	Malignant neoplasms	87	74	83	68	76	86	85	88	85	75	104
		Diseases of the heart	73	73	54	73	70	88	70	87	85	124	107
	Female	Malignant neoplasms	66	60	77	56	61	67	72	60	87	70	88
		Diseases of the heart	37	40	36	39	44	41	32	58	47	64	70
PIMA	Total	Malignant neoplasms	1,536	1,608	1,527	1,395	1,559	1,501	1,553	1,600	1,696	1,681	1,712
		Diseases of the heart	1,095	1,082	1,106	1,008	1,093	1,195	1,151	1,100	1,200	1,321	1,337
	Male	Malignant neoplasms	856	904	813	781	847	838	839	905	910	910	912
		Diseases of the heart	700	670	740	631	680	737	723	701	764	835	838
	Female	Malignant neoplasms	680	704	714	614	712	663	714	695	786	771	800
		Diseases of the heart	395	412	366	377	413	458	428	399	436	486	499
PINAL	Total	Malignant neoplasms	533	516	564	546	589	590	633	621	658	685	713
		Diseases of the heart	340	410	361	344	442	419	485	449	517	628	684
	Male	Malignant neoplasms	317	304	346	317	323	334	367	339	394	377	406
		Diseases of the heart	220	268	214	220	294	280	333	294	347	392	459
	Female	Malignant neoplasms	216	212	218	229	266	256	266	282	264	308	307
		Diseases of the heart	120	142	147	124	148	139	152	155	170	236	225
SANTA CRUZ	Total	Malignant neoplasms	53	58	58	64	50	45	57	53	60	53	56
		Diseases of the heart	27	34	38	30†	47	39	36	25	33	41	41
	Male	Malignant neoplasms	32	46	29	30	19	21	36	34	42	27	32
		Diseases of the heart	13	20	29	21	33	28	26	13	19	21	28
	Female	Malignant neoplasms	21	12	29	34	31	24	21	19	18	26	24
		Diseases of the heart	14	14	9	*	14	11	10	12	14	20	13

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, 2011-2021**

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
YAVAPAI	Total	Malignant neoplasms	466	502	512	524	539	537	562	609	585	628	580
		Diseases of the heart	342	325	311	332	375	348	380	427	379	438	470
	Male	Malignant neoplasms	243	285	281	282	303	291	318	351	334	330	327
		Diseases of the heart	218	207	212	226	249	230	252	275	249	273	315
	Female	Malignant neoplasms	223	217	231	242	236	246	244	258	251	298	253
		Diseases of the heart	124	118	99	106	126	118	128	152	130	165	155
YUMA	Total	Malignant neoplasms	245	234	235	240	248	251	249	294	279	299	274
		Diseases of the heart	209	184	156	199	155	207	202	239	264	302	312
	Male	Malignant neoplasms	145	132	125	145	148	155	132	168	156	166	152
		Diseases of the heart	144	107	103	133	89	140	129	143	167	185	210
	Female	Malignant neoplasms	100	102	110	95	100	96	117	126	123	133	122
		Diseases of the heart	65	77	53	66	66	67	73	96	97	117	102
UNKNOWN	Total	Malignant neoplasms	30†	23	13	10†	30†	47	50†	25	19	17	34
		Diseases of the heart	33	30†	20†	20†	45	60†	65	30†	23	34	43
	Male	Malignant neoplasms	24	17	13	9	20	37	41	13	13	11	21
		Diseases of the heart	25	25	19	13	39	56	58	26	17	27	31
	Female	Malignant neoplasms	*	6	0	*	*	10	*	12	6	6	13
		Diseases of the heart	8	*	*	*	6	*	7	*	6	7	12

Notes: * cell suppressed due to non-zero count less than 6; † sum rounded to nearest tens unit due to non-zero addend less than 6; Totals may include records with unknown gender.

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, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total, all groups	Total	Malignant neoplasms	1,694	1,748	1,809	1,753	1,891	2,058	2,009	2,083	2,047	2,201	2,054
		Diseases of the heart	4,056	4,010	4,100	3,942	4,392	4,578	4,769	4,778	4,779	5,184	5,318
	Male	Malignant neoplasms	825	882	894	901	971	1,074	1,027	1,116	1,055	1,149	1,089
		Diseases of the heart	1,650	1,671	1,747	1,657	1,876	2,048	2,101	2,114	2,127	2,321	2,394
	Female	Malignant neoplasms	869	866	915	852	920	984	982	967	992	1,052	965
		Diseases of the heart	2,406	2,339	2,353	2,285	2,516	2,530	2,668	2,664	2,652	2,863	2,924
White non-Hispanics	Total	Malignant neoplasms	1,489	1,540	1,585	1,535	1,677	1,765	1,741	1,763	1,738	1,883	1,759
		Diseases of the heart	3,671	3,587	3,664	3,539	3,920	4,020	4,191	4,152	4,145	4,481	4,602
	Male	Malignant neoplasms	727	775	795	799	854	925	915	957	899	1,003	945
		Diseases of the heart	1,500	1,511	1,568	1,485	1,703	1,816	1,839	1,854	1,859	2,020	2,076
	Female	Malignant neoplasms	762	765	790	736	823	840	826	806	839	880	814
		Diseases of the heart	2,171	2,076	2,096	2,054	2,217	2,204	2,352	2,298	2,286	2,461	2,526
Hispanics or Latinos	Total	Malignant neoplasms	130	151	147	150	133	198	171	206	198	208	187
		Diseases of the heart	284	298	294	300	319	377	375	441	404	463	458
	Male	Malignant neoplasms	68	83	64	75	74	110	80	106	95	93	97
		Diseases of the heart	108	115	118	125	110	164	167	185	180	205	199
	Female	Malignant neoplasms	62	68	83	75	59	88	91	100	103	115	90
		Diseases of the heart	176	183	176	175	209	213	208	256	224	258	259
Black or African American	Total	Malignant neoplasms	32	22	29	26	29	35	30†	46	47	36	36
		Diseases of the heart	46	51	58	38	69	78	76	80	83	97	85
	Male	Malignant neoplasms	11	9	10	11	14	19	*	22	24	20	14
		Diseases of the heart	25	18	23	16	26	25	32	29	31	33	36
	Female	Malignant neoplasms	21	13	19	15	15	16	21	24	23	16	22
		Diseases of the heart	21	33	35	22	43	53	44	51	52	64	49
American Indian or Alaska Native	Total	Malignant neoplasms	26	20	31	24	30	36	36	31	33	33	36
		Diseases of the heart	33	45	54	44	46	60	68	54	62	61	70
	Male	Malignant neoplasms	13	7	15	12	15	15	10	18	21	16	17
		Diseases of the heart	9	16	28	25	20	27	37	21	24	32	35
	Female	Malignant neoplasms	13	13	16	12	15	21	26	13	12	17	19
		Diseases of the heart	24	29	26	19	26	33	31	33	38	29	35
Asian or Pacific Islander	Total	Malignant neoplasms	17	15	17	20†	22	20†	33	35	30	33	30
		Diseases of the heart	22	29	30	21	37	43	52	41	65	69	88
	Male	Malignant neoplasms	6	8	10	*	14	*	16	12	15	10	12
		Diseases of the heart	8	11	10	6	16	16	23	20	23	23	40
	Female	Malignant neoplasms	11	7	7	14	8	19	17	23	15	23	18
		Diseases of the heart	14	18	20	15	21	27	29	21	42	46	48
Other unspecified or other unknown	Total	Malignant neoplasms	0	0	0	0	0	0	0†	0†	0†	10†	10†
		Diseases of the heart	0	0	0	0	0†	0	10†	10†	20	10†	15
	Male	Malignant neoplasms	0	0	0	0	0	0	*	*	*	7	*
		Diseases of the heart	0	0	0	0	*	0	*	*	10	8	8
	Female	Malignant neoplasms	0	0	0	0	0	0	*	*	0	*	*
		Diseases of the heart	0	0	0	0	0	0	*	*	10	*	7

Notes: * cell suppressed due to non-zero count less than 6; † sum rounded to nearest tens unit due to non-zero addend less than 6; Totals may include records with unknown gender.

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, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
TOTAL STATE	Total	Malignant neoplasms	1,694	1,748	1,809	1,753	1,891	2,058	2,009	2,083	2,047	2,201	2,054
		Diseases of the heart	4,056	4,010	4,100	3,942	4,392	4,578	4,769	4,778	4,779	5,184	5,318
	Male	Malignant neoplasms	825	882	894	901	971	1,074	1,027	1,116	1,055	1,149	1,089
		Diseases of the heart	1,650	1,671	1,747	1,657	1,876	2,048	2,101	2,114	2,127	2,321	2,394
	Female	Malignant neoplasms	869	866	915	852	920	984	982	967	992	1,052	965
		Diseases of the heart	2,406	2,339	2,353	2,285	2,516	2,530	2,668	2,664	2,652	2,863	2,924
APACHE	Total	Malignant neoplasms	16	13	20	10†	10†	15	10†	10†	10†	10†	15
		Diseases of the heart	20†	10†	24	22	34	25	33	34	26	37	30†
	Male	Malignant neoplasms	7	6	11	6	*	8	*	*	*	*	7
		Diseases of the heart	*	*	13	11	17	12	17	16	12	13	*
	Female	Malignant neoplasms	9	7	9	*	*	7	8	*	*	*	8
		Diseases of the heart	14	12	11	11	17	13	16	18	14	24	24
COCHISE	Total	Malignant neoplasms	45	52	23	32	41	62	35	53	49	46	50
		Diseases of the heart	116	103	109	99	100	100	116	116	112	105	95
	Male	Malignant neoplasms	20	31	14	16	25	33	19	25	31	25	33
		Diseases of the heart	57	41	47	49	49	40	56	59	60	36	41
	Female	Malignant neoplasms	25	21	9	16	16	29	16	28	18	21	17
		Diseases of the heart	59	62	62	50	51	60	60	57	52	69	54
COCONINO	Total	Malignant neoplasms	18	10†	15	10†	27	27	20	17	27	18	30
		Diseases of the heart	41	30	39	42	45	46	55	47	45	38	46
	Male	Malignant neoplasms	10	*	7	9	13	14	7	7	8	12	14
		Diseases of the heart	20	9	13	14	22	20	28	18	17	17	24
	Female	Malignant neoplasms	8	7	8	*	14	13	13	10	19	6	16
		Diseases of the heart	21	21	26	28	23	26	27	29	28	21	22
GILA	Total	Malignant neoplasms	17	23	16	16	27	24	21	19	20	29	19
		Diseases of the heart	57	44	59	62	69	70	59	65	63	65	88
	Male	Malignant neoplasms	11	12	7	6	14	13	9	13	10	16	11
		Diseases of the heart	19	17	27	25	32	26	23	28	25	30	47
	Female	Malignant neoplasms	6	11	9	10	13	11	12	6	10	13	8
		Diseases of the heart	38	27	32	37	37	44	36	37	38	35	41
GRAHAM	Total	Malignant neoplasms	10†	10†	10†	10†	10†	10†	10†	0†	13	10†	10†
		Diseases of the heart	21	21	19	19	10†	17	14	20†	19	26	26
	Male	Malignant neoplasms	*	*	*	*	*	*	*	*	7	*	*
		Diseases of the heart	12	11	9	10	*	11	6	*	9	18	14
	Female	Malignant neoplasms	*	*	*	*	*	*	*	*	6	*	*
		Diseases of the heart	9	10	10	9	7	6	8	12	10	8	12
GREENLEE	Total	Malignant neoplasms	0†	0	0†	0†	0†	0†	0	0†	0†	10†	0†
		Diseases of the heart	10†	0†	0†	0†	0†	0†	0†	10†	0†	0†	10†
	Male	Malignant neoplasms	*	0	0	*	0	*	0	*	*	*	*
		Diseases of the heart	*	*	*	*	*	*	*	*	*	*	*
	Female	Malignant neoplasms	*	0	*	0	*	0	0	*	0	*	*
		Diseases of the heart	*	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, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
LA PAZ	Total	Malignant neoplasms	10†	10†	10†	6	10†	10†	10†	10†	10†	10†	10†
		Diseases of the heart	10†	10†	12	10†	20†	17	28	25	24	21	16
	Male	Malignant neoplasms	*	*	*	6	*	*	*	*	6	*	*
		Diseases of the heart	9	6	6	8	11	9	13	15	13	12	8
	Female	Malignant neoplasms	*	0	*	0	*	*	*	*	*	*	*
		Diseases of the heart	*	*	6	*	*	8	15	10	11	9	8
MARICOPA	Total	Malignant neoplasms	938	1,002	1,006	981	1,073	1,145	1,137	1,181	1,123	1,205	1,153
		Diseases of the heart	2,189	2,164	2,241	2,209	2,380	2,465	2,686	2,589	2,710	2,937	3,050
	Male	Malignant neoplasms	434	477	493	475	510	580	542	611	572	624	602
		Diseases of the heart	899	909	964	910	1,019	1,089	1,141	1,112	1,151	1,270	1,330
	Female	Malignant neoplasms	504	525	513	506	563	565	595	570	551	581	551
		Diseases of the heart	1,290	1,255	1,277	1,299	1,361	1,376	1,545	1,477	1,559	1,667	1,720
MOHAVE	Total	Malignant neoplasms	79	78	79	72	63	97	96	98	112	108	104
		Diseases of the heart	220	183	239	194	247	282	260	246	223	254	276
	Male	Malignant neoplasms	39	44	44	40	35	48	54	55	67	56	50
		Diseases of the heart	89	74	93	85	97	125	136	124	111	142	133
	Female	Malignant neoplasms	40	34	35	32	28	49	42	43	45	52	54
		Diseases of the heart	131	109	146	109	150	157	124	122	112	112	143
NAVAJO	Total	Malignant neoplasms	26	20	24	22	27	25	20†	26	27	27	24
		Diseases of the heart	38	42	58	55	44	56	54	56	70	65	63
	Male	Malignant neoplasms	18	8	14	13	11	15	16	17	20	13	10
		Diseases of the heart	13	22	24	22	22	29	27	25	38	27	34
	Female	Malignant neoplasms	8	12	10	9	16	10	*	9	7	14	14
		Diseases of the heart	25	20	34	33	22	27	27	31	32	38	29
PIMA	Total	Malignant neoplasms	348	346	378	327	356	385	359	363	386	378	337
		Diseases of the heart	814	833	785	727	838	883	833	911	871	929	906
	Male	Malignant neoplasms	176	187	178	171	199	209	209	203	188	191	171
		Diseases of the heart	320	327	315	310	341	398	357	388	401	405	396
	Female	Malignant neoplasms	172	159	200	156	157	176	150	160	198	187	166
		Diseases of the heart	494	506	470	417	497	485	476	523	470	524	510
PINAL	Total	Malignant neoplasms	42	47	61	86	74	88	81	95	75	130	98
		Diseases of the heart	181	165	151	160	198	181	189	221	196	256	253
	Male	Malignant neoplasms	21	24	36	53	38	48	39	50	42	77	58
		Diseases of the heart	71	64	68	69	74	77	96	107	91	127	131
	Female	Malignant neoplasms	21	23	25	33	36	40	42	45	33	53	40
		Diseases of the heart	110	101	83	91	124	104	93	114	105	129	122
SANTA CRUZ	Total	Malignant neoplasms	10†	16	10†	15	10†	10†	12	17	16	10†	10†
		Diseases of the heart	20†	24	25	13	38	29	32	30	22	25	24
	Male	Malignant neoplasms	*	8	*	8	7	6	6	11	6	*	7
		Diseases of the heart	*	8	11	6	16	9	12	9	7	11	10
	Female	Malignant neoplasms	7	8	*	7	*	*	6	6	10	7	*
		Diseases of the heart	15	16	14	7	22	20	20	21	15	14	14

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, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
YAVAPAI	Total	Malignant neoplasms	96	96	112	123	122	118	146	130	127	164	153
		Diseases of the heart	219	246	229	219	238	254	254	256	266	281	308
	Male	Malignant neoplasms	48	53	57	69	82	67	84	68	60	85	88
		Diseases of the heart	89	110	104	85	112	118	117	123	123	135	140
	Female	Malignant neoplasms	48	43	55	54	40	51	62	62	67	79	65
		Diseases of the heart	130	136	125	134	126	136	137	133	143	146	168
YUMA	Total	Malignant neoplasms	40	33	47	37	47	41	55	59	53	57	42
		Diseases of the heart	97	127	107	104	126	138	145	149	126	136	125
	Male	Malignant neoplasms	24	21	22	22	29	22	29	41	33	30	27
		Diseases of the heart	40	67	52	50	57	81	68	80	67	73	73
	Female	Malignant neoplasms	16	12	25	15	18	19	26	18	20	27	15
		Diseases of the heart	57	60	55	54	69	57	77	69	59	63	52
UNKNOWN	Total	Malignant neoplasms	0†	0	0†	0†	0†	0†	0†	0†	0†	0†	0
		Diseases of the heart	10†	0†	0	0†	10†	10†	10†	10†	0†	10†	10†
	Male	Malignant neoplasms	*	0	*	*	0	0	*	*	0	*	0
		Diseases of the heart	*	*	0	0	*	*	*	*	*	*	*
	Female	Malignant neoplasms	*	0	*	0	*	*	*	0	*	*	0
		Diseases of the heart	*	*	0	*	*	10	*	6	*	*	*

Notes: * cell suppressed due to non-zero count less than 6; † sum rounded to nearest tens unit due to non-zero addend less than 6; Totals may include records with unknown gender.

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 2011-2021)

Age group	Gender	Diseases of the heart		Malignant neoplasms (cancer)	
		Count	Col %	Count	Col %
0-84	Total	80,446	100.0%	107,286	100.0%
	Male	51,885	64.5%	58,528	54.6%
	Female	28,561	35.5%	48,758	45.4%
85+	Total	49,906	100.0%	21,347	100.0%
	Male	21,706	43.5%	10,983	51.4%
	Female	28,200	56.5%	10,364	48.6%
Unknown age group	Total	0†	**	0	0.0%
	Male	*	**	0	0.0%
	Female	*	**	0	0.0%

Notes: * cell suppressed due to non-zero count less than 6; ** cell suppressed due to rate based on non-zero count less than 6; † sum rounded to nearest tens unit due to non-zero addend less than 6.

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, 2011-2021

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 %
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%
2017	Total	7,516	100.0%	9,908	100.0%	4,769	100.0%	2,009	100.0%
	Male	4,872	64.8%	5,466	55.2%	2,101	44.1%	1,027	51.1%
	Female	2,644	35.2%	4,442	44.8%	2,668	55.9%	982	48.9%
2018	Total	7,632	100.0%	10,014	100.0%	4,778	100.0%	2,083	100.0%
	Male	4,916	64.4%	5,559	55.5%	2,114	44.2%	1,116	53.6%
	Female	2,716	35.6%	4,455	44.5%	2,664	55.8%	967	46.4%
2019	Total	7,781	100.0%	10,438	100.0%	4,779	100.0%	2,047	100.0%
	Male	5,002	64.3%	5,685	54.5%	2,127	44.5%	1,055	51.5%
	Female	2,779	35.7%	4,753	45.5%	2,652	55.5%	992	48.5%
2020	Total	9,001	100.0%	10,470	100.0%	5,184	100.0%	2,201	100.0%
	Male	5,776	64.2%	5,672	54.2%	2,321	44.8%	1,149	52.2%
	Female	3,225	35.8%	4,798	45.8%	2,863	55.2%	1,052	47.8%
2021	Total	9,218	100.0	10,756	100.0	5,318	100.0	2,054	100.0
	Male	5,992	65.0	5,736	53.3	2,394	45.0	1,089	53.0
	Female	3,226	35.0	5,020	46.7	2,924	55.0	965	47.0

Note: Totals may include records with unknown gender.

TABLE 10
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
All groups	Total	<1	10	0†	6	6	10†	0†	6	10†	10†	8	0†
		1-4	0†	0†	0†	0†	0†	0†	0†	0†	0	0†	0†
		5-14	0†	0†	0†	0†	0†	0†	0†	0†	10†	0†	0†
		15-24	16	10	18	19	15	13	10	18	12	17	15
		25-34	47	56	58	52	63	50	65	58	64	82	62
		35-44	169	160	144	163	159	135	177	160	176	227	229
		45-54	529	491	492	467	517	564	493	520	541	590	615
		55-64	1,245	1,206	1,191	1,113	1,323	1,375	1,360	1,379	1,351	1,556	1,525
		65-74	1,671	1,796	1,838	1,732	1,983	2,164	2,266	2,315	2,328	2,806	2,808
		75-84	2,695	2,655	2,645	2,456	2,814	2,931	3,136	3,172	3,299	3,709	3,957
		85+	4,056	4,010	4,100	3,942	4,392	4,578	4,769	4,778	4,779	5,184	5,318
	Male	<1	6	*	*	*	*	*	*	*	*	*	0
		1-4	*	*	0	*	*	*	*	*	0	*	*
		5-14	*	*	*	0	0	*	*	*	*	*	*
		15-24	10	*	14	13	10	8	6	14	6	10	10
		25-34	33	40	39	39	40	36	47	37	45	56	40
		35-44	120	107	106	109	106	94	120	112	130	169	167
		45-54	377	364	357	327	381	399	358	371	390	432	432
		55-64	894	837	879	802	946	971	990	977	955	1,117	1,102
		65-74	1,114	1,196	1,224	1,172	1,289	1,462	1,534	1,529	1,506	1,827	1,895
		75-84	1,556	1,518	1,540	1,451	1,633	1,677	1,811	1,871	1,966	2,160	2,344
		85+	1,650	1,671	1,747	1,657	1,876	2,048	2,101	2,114	2,127	2,321	2,394
	Female	<1	*	*	*	*	*	*	*	*	*	6	*
		1-4	*	*	*	*	*	0	0	*	0	*	0
		5-14	*	*	*	*	*	*	0	*	*	*	*
		15-24	6	*	*	6	*	*	*	*	6	7	*
		25-34	14	16	19	13	23	14	18	21	19	26	22
		35-44	49	53	38	54	53	41	57	48	46	58	62
		45-54	152	127	135	140	136	165	135	149	151	158	183
		55-64	351	369	312	311	377	404	370	402	396	439	423
		65-74	557	600	614	560	694	702	732	786	822	979	913
		75-84	1,139	1,137	1,105	1,005	1,181	1,254	1,325	1,301	1,333	1,549	1,613
		85+	2,406	2,339	2,353	2,285	2,516	2,530	2,668	2,664	2,652	2,863	2,924

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
White non-Hispanic	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†	0†	0	0†	0	0	0†	0	0†	0	0†
		15-24	9	0†	6	9	0†	7	6	11	8	6	0†
		25-34	25	25	28	28	30	25	29	34	27	31	22
		35-44	107	92	84	98	84	77	106	87	86	112	111
		45-54	367	357	347	321	359	381	322	323	310	335	352
		55-64	979	931	936	868	1,003	1,056	995	994	975	1,087	1,062
		65-74	1,375	1,478	1,494	1,413	1,585	1,745	1,797	1,807	1,794	2,173	2,170
		75-84	2,298	2,239	2,235	2,045	2,364	2,451	2,597	2,633	2,748	3,050	3,294
		85+	3,671	3,587	3,664	3,539	3,920	4,020	4,191	4,152	4,145	4,481	4,602
	Male	<1	*	0	*	*	*	*	0	*	0	0	0
		1-4	0	*	0	0	0	0	0	*	0	0	*
		5-14	0	*	0	0	0	0	*	0	*	0	0
		15-24	6	*	*	6	*	*	*	8	*	*	*
		25-34	17	18	21	18	17	16	21	20	18	18	14
		35-44	77	65	64	68	56	52	69	63	67	85	77
		45-54	260	266	253	225	264	269	241	236	237	246	237
		55-64	699	657	685	639	732	756	720	709	695	779	771
		65-74	936	998	1,003	957	1,052	1,178	1,227	1,198	1,173	1,407	1,477
		75-84	1,346	1,304	1,331	1,219	1,391	1,436	1,529	1,592	1,653	1,796	1,984
		85+	1,500	1,511	1,568	1,485	1,703	1,816	1,839	1,854	1,859	2,020	2,076
	Female	<1	*	0	0	0	0	*	*	*	*	0	*
		1-4	0	*	*	0	0	0	0	0	0	0	0
		5-14	*	*	0	*	0	0	0	0	*	0	*
		15-24	*	*	*	*	*	*	*	*	*	*	*
		25-34	8	7	7	10	13	9	8	14	9	13	8
		35-44	30	27	20	30	28	25	37	24	19	27	34
		45-54	107	91	94	96	95	112	81	87	73	89	115
		55-64	280	274	251	229	271	300	275	285	280	308	291
		65-74	439	480	491	456	533	567	570	609	621	766	693
		75-84	952	935	904	826	973	1,015	1,068	1,041	1,095	1,254	1,310
		85+	2,171	2,076	2,096	2,054	2,217	2,204	2,352	2,298	2,286	2,461	2,526

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Hispanic or Latino	Total	<1	10†	0†	0	10†	0†	0	0†	0†	0†	6	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
		15-24	0†	0†	7	6	0†	0†	0†	0†	0†	6	8
		25-34	11	23	13	13	18	11	13	9	16	21	19
		35-44	31	37	43	28	40	35	30	36	43	62	62
		45-54	84	76	72	79	86	106	89	109	123	123	133
		55-64	146	164	151	144	170	165	176	205	181	238	251
		65-74	187	182	203	182	251	254	250	268	268	338	372
		75-84	260	257	254	260	305	298	331	316	328	376	395
		85+	284	298	294	300	319	377	375	441	404	463	458
	Male	<1	*	*	0	*	*	0	*	*	0	*	0
		1-4	*	0	0	*	0	*	0	0	0	0	0
		5-14	*	0	0	0	0	*	*	*	*	*	0
		15-24	*	*	6	*	*	*	*	*	*	*	6
		25-34	8	18	7	10	11	10	9	7	10	13	12
		35-44	22	20	27	19	30	26	22	27	30	50	44
		45-54	63	55	51	57	60	76	62	76	84	94	100
		55-64	103	114	117	101	123	113	137	150	133	173	181
		65-74	110	119	133	122	154	173	166	185	180	226	247
		75-84	138	131	131	151	165	151	172	172	186	202	215
		85+	108	115	118	125	110	164	167	185	180	205	199
	Female	<1	*	*	0	*	*	0	0	*	*	*	0
		1-4	0	0	*	*	0	0	0	*	0	*	0
		5-14	0	*	*	0	*	0	0	*	*	0	0
		15-24	*	*	*	*	0	*	0	*	*	*	*
		25-34	*	*	6	*	7	*	*	*	6	8	7
		35-44	9	17	16	9	10	9	8	9	13	12	18
		45-54	21	21	21	22	26	30	27	33	39	29	33
		55-64	43	50	34	43	47	52	39	55	48	65	70
		65-74	77	63	70	60	97	81	84	83	88	112	125
		75-84	122	126	123	109	140	147	159	144	142	174	180
		85+	176	183	176	175	209	213	208	256	224	258	259

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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	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	6	10†	11	0†	6	10†	7	10†	7	12	12
		35-44	15	18	7	16	21	7	22	12	24	28	25
		45-54	40	33	45	41	32	47	36	37	56	69	77
		55-64	60	59	58	60	93	92	94	83	93	113	107
		65-74	52	65	77	60	81	85	78	83	112	122	129
		75-84	56	70	68	65	63	73	66	79	91	111	103
		85+	46	51	58	38	69	78	76	80	83	97	85
	Male	<1	*	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	*
		15-24	0	*	*	*	*	*	0	*	*	*	*
		25-34	*	*	*	*	*	*	*	*	*	9	9
		35-44	9	13	7	8	10	*	16	6	14	16	20
		45-54	26	25	32	25	24	36	26	23	31	45	51
		55-64	49	36	46	37	54	63	61	49	57	79	77
		65-74	30	35	51	39	47	57	49	47	58	79	81
		75-84	32	32	39	35	36	38	35	40	40	70	66
		85+	25	18	23	16	26	25	32	29	31	33	36
	Female	<1	*	0	*	0	0	0	0	*	0	0	0
		1-4	*	0	0	0	*	0	0	0	0	*	0
		5-14	0	0	0	0	0	0	0	0	0	0	*
		15-24	*	*	*	0	*	0	*	0	0	*	0
		25-34	*	*	6	0	*	*	*	*	*	*	*
		35-44	6	*	0	8	11	*	6	6	10	12	*
		45-54	14	8	13	16	8	11	10	14	25	24	26
		55-64	11	23	12	23	39	29	33	34	36	34	30
		65-74	22	30	26	21	34	28	29	36	54	43	48
		75-84	24	38	29	30	27	35	31	39	51	41	37
		85+	21	33	35	22	43	53	44	51	52	64	49

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
American Indian or Alaska Native	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	0	0	0	0	0†	0	0	0	0†	0
		15-24	0†	0†	0†	0†	6	0	0	0†	0	0†	0
		25-34	0†	0†	10†	7	9	8	10	10	9	12	9
		35-44	12	12	7	19	11	12	14	18	16	19	21
		45-54	27	21	23	19	34	24	35	32	33	34	37
		55-64	42	36	36	29	40	45	46	46	52	65	74
		65-74	46	48	43	60	47	61	64	73	65	92	70
		75-84	59	62	59	55	51	74	82	60	69	91	69
		85+	33	45	54	44	46	60	68	54	62	61	70
	Male	<1	*	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
		15-24	*	*	*	*	*	0	0	*	0	0	0
		25-34	*	*	*	7	7	6	8	9	7	10	*
		35-44	8	8	*	12	8	9	8	12	14	14	17
		45-54	21	14	17	14	28	14	25	20	19	23	30
		55-64	31	22	27	16	23	27	29	29	31	51	55
		65-74	31	27	23	43	27	43	38	38	34	54	47
		75-84	26	37	24	31	26	40	48	27	43	48	30
		85+	9	16	28	25	20	27	37	21	24	32	35
	Female	<1	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
		15-24	*	*	*	*	*	0	0	0	0	*	0
		25-34	*	*	0	0	*	*	*	*	*	*	*
		35-44	*	*	*	7	*	*	6	6	*	*	*
		45-54	6	7	6	*	6	10	10	12	14	11	7
		55-64	11	14	9	13	17	18	17	17	21	14	19
		65-74	15	21	20	17	20	18	26	35	31	38	23
		75-84	33	25	35	24	25	34	34	33	26	43	39
		85+	24	29	26	19	26	33	31	33	38	29	35

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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	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	0†	0	0†	0†	0	0†	0†	0	10†	6	0
		35-44	0†	0†	0†	0†	0†	0†	0†	7	10†	10†	8
		45-54	11	0†	10†	7	6	6	8	12	12	18	14
		55-64	18	16	10	12	17	17	15	19	18	27	20
		65-74	11	23	21	17	19	19	36	38	47	28	37
		75-84	22	27	29	31	31	35	39	57	40	56	70
		85+	22	29	30	21	37	43	52	41	65	69	88
	Male	<1	0	0	0	0	0	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	0
		15-24	0	0	0	0	0	0	0	0	0	*	0
		25-34	*	0	*	*	0	*	*	0	*	6	0
		35-44	*	*	*	*	*	*	*	*	*	*	7
		45-54	7	*	*	6	*	*	*	9	12	15	13
		55-64	12	8	*	9	14	12	13	16	12	18	11
		65-74	7	17	14	11	9	11	21	25	28	17	18
		75-84	14	14	15	15	15	12	13	22	26	27	30
		85+	8	11	10	6	16	16	23	20	23	23	40
	Female	<1	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
		15-24	0	0	0	0	0	0	0	0	0	0	0
		25-34	0	0	0	0	0	0	*	0	0	0	0
		35-44	0	0	0	0	*	*	0	*	*	*	*
		45-54	*	0	*	*	*	*	6	*	0	*	*
		55-64	6	8	6	*	*	*	*	*	6	9	9
		65-74	*	6	7	6	10	8	15	13	19	11	19
		75-84	8	13	14	16	16	23	26	35	14	29	40
		85+	14	18	20	15	21	27	29	21	42	46	48

Notes: * cell suppressed due to non-zero count less than 6; † sum rounded to nearest tens unit due to non-zero addend less than 6. Totals may include records with unknown gender.

TABLE 11
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
All groups	Total	<1	0†	0†	0†	0†	0†	0†	0†	0†	0†	0†	0†
		1-4	6	7	13	9	7	6	9	8	13	8	6
		5-14	21	26	16	20	7	12	21	23	20	17	17
		15-24	32	28	31	42	32	32	22	27	35	34	37
		25-34	62	89	89	60	69	69	77	77	79	84	80
		35-44	206	215	227	191	209	223	210	216	213	213	261
		45-54	781	783	750	701	737	653	689	728	644	617	663
		55-64	1,928	1,996	2,051	1,861	2,060	2,117	2,038	2,032	2,124	2,052	2,024
		65-74	2,806	3,002	3,097	3,051	3,337	3,455	3,532	3,456	3,669	3,668	3,858
		75-84	3,015	2,987	3,109	2,911	3,274	3,173	3,309	3,445	3,640	3,775	3,809
		85+	1,694	1,748	1,809	1,753	1,891	2,058	2,009	2,083	2,047	2,201	2,054
	Male	<1	*	*	0	0	*	*	0	*	0	0	0
		1-4	*	*	9	*	6	*	6	*	7	*	*
		5-14	7	13	7	10	*	7	9	11	13	10	10
		15-24	15	18	17	25	19	15	11	20	20	26	24
		25-34	29	39	50	30	37	34	48	33	40	45	47
		35-44	81	87	88	78	101	87	86	83	96	91	112
		45-54	400	405	367	330	375	330	348	364	303	282	283
		55-64	1,030	1,110	1,118	1,022	1,110	1,153	1,131	1,111	1,161	1,089	1,048
		65-74	1,568	1,691	1,687	1,696	1,858	1,965	1,987	1,962	1,994	2,065	2,151
		75-84	1,685	1,688	1,713	1,638	1,780	1,759	1,840	1,970	2,051	2,061	2,059
		85+	825	882	894	901	971	1,074	1,027	1,116	1,055	1,149	1,089
	Female	<1	0	*	*	*	0	*	*	*	*	*	*
		1-4	*	*	*	8	*	*	*	*	6	*	*
		5-14	14	13	9	10	*	*	12	12	7	7	7
		15-24	17	10	14	17	13	17	11	7	15	8	13
		25-34	33	50	39	30	32	35	29	44	39	39	33
		35-44	125	128	139	113	108	136	124	133	117	122	149
		45-54	381	378	383	371	362	323	341	364	341	335	380
		55-64	898	886	933	839	950	964	907	921	963	963	976
		65-74	1,238	1,311	1,410	1,355	1,479	1,490	1,545	1,494	1,675	1,603	1,707
		75-84	1,330	1,299	1,396	1,273	1,494	1,414	1,469	1,475	1,589	1,714	1,750
		85+	869	866	915	852	920	984	982	967	992	1,052	965

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
White non-Hispanic	Total	<1	0†	0†	0	0	0†	0	0	0†	0†	0†	0
		1-4	0†	0†	0†	0†	0†	0†	10†	6	6	6	0†
		5-14	6	8	7	12	0†	10†	9	10	10†	10	7
		15-24	15	14	11	18	12	10	7	12	13	10	18
		25-34	28	47	37	23	35	37	41	45	35	40	31
		35-44	122	124	121	120	117	125	114	115	103	103	124
		45-54	549	545	514	498	484	412	424	451	392	388	417
		55-64	1,542	1,558	1,611	1,439	1,579	1,627	1,510	1,496	1,507	1,448	1,444
		65-74	2,388	2,541	2,612	2,551	2,786	2,897	2,909	2,808	2,894	2,941	3,020
		75-84	2,590	2,578	2,622	2,460	2,765	2,712	2,805	2,870	3,034	3,152	3,197
		85+	1,489	1,540	1,585	1,535	1,677	1,765	1,741	1,763	1,738	1,883	1,759
	Male	<1	*	*	0	0	*	0	0	*	0	0	0
		1-4	*	*	*	0	*	0	*	*	*	*	0
		5-14	*	6	*	*	*	*	*	*	*	*	*
		15-24	7	9	6	11	7	*	*	7	8	7	12
		25-34	15	18	18	11	18	21	28	17	14	24	21
		35-44	53	49	50	58	53	56	50	45	49	42	52
		45-54	278	293	249	232	257	195	237	226	188	175	178
		55-64	814	857	890	790	859	869	842	835	823	764	767
		65-74	1,345	1,424	1,449	1,423	1,552	1,644	1,636	1,605	1,569	1,669	1,715
		75-84	1,454	1,470	1,461	1,393	1,499	1,516	1,574	1,638	1,739	1,730	1,755
		85+	727	775	795	799	854	925	915	957	899	1,003	945
	Female	<1	0	*	0	0	0	0	0	0	*	*	0
		1-4	*	*	*	*	*	*	*	*	*	*	*
		5-14	*	*	*	7	*	*	*	*	*	*	*
		15-24	8	*	*	7	*	*	*	*	*	*	6
		25-34	13	29	19	12	17	16	13	28	21	16	10
		35-44	69	75	71	62	64	69	64	70	54	61	72
		45-54	271	252	265	266	227	217	187	225	204	213	239
		55-64	728	701	721	649	720	758	668	661	684	684	677
		65-74	1,043	1,117	1,163	1,128	1,234	1,253	1,273	1,203	1,325	1,272	1,305
		75-84	1,136	1,108	1,161	1,067	1,266	1,196	1,231	1,232	1,295	1,422	1,442
		85+	762	765	790	736	823	840	826	806	839	880	814

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Hispanic or Latino	Total	<1	0	0	0†	0†	0	0†	0†	0†	0	0	0†
		1-4	0†	0†	10	0†	0†	0†	0†	0†	0†	0†	0†
		5-14	13	13	8	7	0†	7	10	11	12	10†	9
		15-24	14	12	14	22	16	19	11	11	17	22	13
		25-34	27	26	33	26	20	22	24	24	29	31	37
		35-44	64	60	73	45	63	68	64	56	61	69	78
		45-54	145	159	155	124	178	170	170	174	144	155	158
		55-64	235	252	290	265	308	283	291	311	365	356	346
		65-74	253	270	306	312	329	340	366	387	458	435	496
		75-84	290	288	312	303	336	294	310	381	381	373	368
		85+	130	151	147	150	133	198	171	206	198	208	187
	Male	<1	0	0	0	0	0	*	0	0	0	0	0
		1-4	*	*	8	0	*	*	*	*	*	*	*
		5-14	*	*	*	*	*	*	*	*	7	*	*
		15-24	8	8	8	13	9	8	*	11	9	18	10
		25-34	11	13	22	14	11	8	12	11	19	15	21
		35-44	26	23	27	13	32	21	24	23	26	34	34
		45-54	78	73	75	64	85	101	77	86	68	77	64
		55-64	146	153	149	156	166	170	163	165	207	193	181
		65-74	137	158	153	169	193	208	206	216	244	232	267
		75-84	170	158	166	170	193	154	167	211	192	193	188
		85+	68	83	64	75	74	110	80	106	95	93	97
	Female	<1	0	0	*	*	0	*	*	*	0	0	*
		1-4	0	0	*	*	0	*	*	*	*	*	*
		5-14	8	9	*	*	0	*	6	6	*	*	*
		15-24	6	*	6	9	7	11	6	0	8	*	*
		25-34	16	13	11	12	9	14	12	13	10	16	16
		35-44	38	37	46	32	31	47	40	33	35	35	44
		45-54	67	86	80	60	93	69	93	88	76	78	94
		55-64	89	99	141	109	142	113	128	146	158	163	165
		65-74	116	112	153	143	136	132	160	171	214	203	229
		75-84	120	130	146	133	143	140	143	170	189	180	180
		85+	62	68	83	75	59	88	91	100	103	115	90

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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†	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	0†	10†	6	10†	0†	0†	0†	0†	6	10†	0†
		35-44	13	14	11	12	13	14	11	19	18	19	24
		45-54	41	37	44	34	35	30	40	38	40	31	36
		55-64	73	96	76	76	86	91	119	105	114	121	106
		65-74	77	93	89	98	105	129	116	105	138	143	149
		75-84	45	56	78	58	59	77	74	73	92	113	99
		85+	32	22	29	26	29	35	26	46	47	36	36
	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	*	0	0	0	0	0	*	*	*	0
		15-24	0	0	*	0	*	0	0	*	*	0	0
		25-34	0	*	*	*	*	*	*	*	*	*	0
		35-44	*	9	*	*	7	*	*	*	10	9	10
		45-54	22	23	25	13	16	17	11	19	16	11	16
		55-64	31	54	38	35	42	54	65	53	55	63	45
		65-74	39	59	47	55	61	74	71	58	84	87	80
		75-84	22	29	41	29	34	45	38	50	54	65	42
		85+	11	9	10	11	14	19	*	22	24	20	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	*
		5-14	*	0	0	0	0	0	0	0	0	0	0
		15-24	*	*	*	0	*	0	*	0	*	0	0
		25-34	*	*	*	*	*	*	0	0	*	*	*
		35-44	11	*	8	10	6	9	6	15	8	10	14
		45-54	19	14	19	21	19	13	29	19	24	20	20
		55-64	42	42	38	41	44	37	54	52	59	58	61
		65-74	38	34	42	43	44	55	45	47	54	56	69
		75-84	23	27	37	29	25	32	36	23	38	48	57
		85+	21	13	19	15	15	16	21	24	23	16	22

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
American Indian or Alaska Native	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†	0†	0†	0†	0†	0	0†	0†	0†	0†	0†
		15-24	0†	0†	0	0†	0†	0†	0†	0†	0†	0†	10†
		25-34	10†	8	9	0†	8	0†	10†	0†	6	8	9
		35-44	0†	9	14	6	12	9	11	15	20	14	20
		45-54	28	19	28	23	30	21	27	31	34	20	26
		55-64	44	56	54	54	49	62	58	64	78	58	72
		65-74	58	60	55	50	63	48	67	64	93	66	94
		75-84	46	40	51	60	62	42	57	60	59	72	64
		85+	26	20	31	24	30	36	36	31	33	33	36
	Male	<1	0	0	0	0	0	0	0	0	0	0	0
		1-4	0	*	0	*	*	0	0	0	*	0	0
		5-14	*	*	0	0	*	0	*	0	*	0	0
		15-24	0	*	0	*	*	0	*	*	*	*	*
		25-34	*	*	*	*	*	*	*	*	*	*	*
		35-44	0	*	*	*	6	*	*	7	7	*	9
		45-54	12	9	16	11	13	11	10	16	15	8	13
		55-64	24	29	30	25	25	34	30	32	45	35	31
		65-74	30	33	19	33	26	23	31	32	48	34	37
		75-84	21	20	22	32	31	17	23	37	28	37	33
		85+	13	7	15	12	15	15	10	18	21	16	17
	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	*	*	*	0	0	*	*	0	*	*
		15-24	*	0	0	0	0	*	0	*	0	*	*
		25-34	*	*	*	*	*	*	*	*	*	*	*
		35-44	*	6	9	*	6	6	6	8	13	12	11
		45-54	16	10	12	12	17	10	17	15	19	12	13
		55-64	20	27	24	29	24	28	28	32	33	23	41
		65-74	28	27	36	17	37	25	36	32	45	32	57
		75-84	25	20	29	28	31	25	34	23	31	35	31
		85+	13	13	16	12	15	21	26	13	12	17	19

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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	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	0†	0†	0†	0†	0†	0†	0†	0†	0†	0	0†
		35-44	0†	8	8	8	0†	7	9	9	9	7	14
		45-54	18	23	9	22	10	20	23	22	28	22	23
		55-64	34	34	20	27	38	54	39	41	45	50	48
		65-74	30	38	35	40	54	41	47	65	63	55	72
		75-84	44	25	46	30	52	48	48	52	58	55	67
		85+	17	15	17	18	22	24	33	35	30	33	30
	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	*
		25-34	*	*	*	*	*	*	*	*	*	0	0
		35-44	0	*	*	*	*	*	*	*	*	*	6
		45-54	10	7	*	10	*	6	11	9	12	10	10
		55-64	15	17	11	16	18	26	17	16	21	20	18
		65-74	17	17	19	16	26	16	22	31	30	23	32
		75-84	18	11	23	14	23	27	27	27	27	31	31
		85+	6	8	10	*	14	*	16	12	15	10	12
	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
		5-14	0	*	0	0	0	0	0	0	0	0	0
		15-24	*	0	*	*	0	0	0	*	*	0	0
		25-34	0	*	*	*	*	*	*	*	*	0	*
		35-44	*	*	*	7	*	*	7	6	*	*	8
		45-54	8	16	7	12	6	14	12	13	16	12	13
		55-64	19	17	9	11	20	28	22	25	24	30	30
		65-74	13	21	16	24	28	25	25	34	33	32	40
		75-84	26	14	23	16	29	21	21	25	31	24	36
		85+	11	7	7	14	8	19	17	23	15	23	18

Notes: * cell suppressed due to non-zero count less than 6; † sum rounded to nearest tens unit due to non-zero addend less than 6. Totals may include records with unknown gender.

TABLE 12
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
All groups	Total	<1	11.3	**	6.7	7.1	**	**	6.8	**	**	9.9	**
		1-4	**	**	**	**	**	**	**	**	0.0	**	**
		5-14	**	**	**	**	**	**	**	**	**	**	**
		15-24	1.8	1.1	1.9	2.0	1.6	1.4	1.0	1.9	1.2	1.8	1.5
		25-34	5.4	6.5	6.7	5.9	7.0	5.5	6.9	6.0	6.5	8.3	6.1
		35-44	20.4	19.3	17.3	19.5	18.9	16.0	20.9	18.5	20.0	25.7	25.5
		45-54	62.4	58.7	58.9	55.5	61.4	66.8	58.0	60.9	63.5	70.2	72.9
		55-64	170.3	161.2	156.8	142.4	166.0	168.8	162.8	161.5	155.5	179.1	173.5
		65-74	333.3	333.4	324.3	291.7	317.1	330.7	329.7	326.8	319.2	378.6	363.6
		75-84	954.0	905.1	876.0	788.6	866.8	869.3	886.0	862.6	841.5	915.8	928.2
		85+	3896.6	3697.3	3649.0	3286.6	3506.4	3496.1	3464.3	3460.7	3344.8	3606.7	3562.4
	Male	<1	13.3	**	**	**	**	**	**	**	**	**	0.0
		1-4	**	**	0.0	**	**	**	**	**	0.0	**	**
		5-14	**	**	**	0.0	0.0	**	**	**	**	**	**
		15-24	2.1	**	2.9	2.7	2.0	1.6	1.2	2.8	1.2	2.0	2.0
		25-34	7.5	9.0	8.7	8.5	8.6	7.6	9.7	7.4	8.8	10.9	7.6
		35-44	28.6	25.5	25.1	25.9	25.1	22.2	28.1	25.6	29.1	37.8	36.7
		45-54	90.2	87.8	86.1	78.4	91.1	95.3	84.9	87.7	92.4	103.7	103.3
		55-64	256.9	235.3	243.5	216.0	250.0	251.0	249.4	240.4	230.5	269.1	262.1
		65-74	468.3	470.7	458.7	418.1	437.5	474.5	474.4	459.7	441.4	528.5	527.5
		75-84	1209.7	1124.5	1103.6	1000.1	1077.2	1065.8	1097.5	1090.7	1074.6	1147.9	1183.7
		85+	4342.6	4200.5	4201.5	3630.0	3873.8	3967.4	3830.7	3771.5	3635.5	3887.8	3820.7
	Female	<1	**	**	**	**	**	**	**	**	**	15.2	**
		1-4	**	**	**	**	**	0.0	0.0	**	0.0	**	0.0
		5-14	**	**	**	**	**	**	0.0	**	**	**	**
		15-24	1.4	**	**	1.3	**	**	**	**	1.3	1.5	**
		25-34	3.3	3.8	4.5	3.0	5.3	3.2	4.0	4.5	4.0	5.4	4.5
		35-44	12.0	12.9	9.2	13.1	12.7	9.8	13.5	11.2	10.6	13.3	14.0
		45-54	35.3	30.1	32.1	33.0	32.1	38.8	31.5	34.6	35.1	37.3	43.0
		55-64	91.6	94.0	78.3	75.8	90.0	94.5	84.4	89.9	87.2	96.7	92.3
		65-74	211.4	210.8	204.7	178.7	209.8	202.8	201.2	209.1	211.8	247.6	221.1
		75-84	740.3	718.1	680.3	604.1	682.5	697.3	701.3	663.1	637.6	714.4	706.6
		85+	3640.2	3405.9	3324.4	3075.7	3274.9	3189.4	3221.6	3248.3	3143.2	3407.0	3375.5

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
White non-Hispanic	Total	<1	**	0.0	**	**	**	**	**	**	**	0.0	**
		1-4	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	**
		15-24	2.1	**	1.3	2.1	**	1.7	1.4	2.7	1.9	1.5	**
		25-34	5.6	5.5	6.2	6.2	6.6	5.5	6.3	7.3	5.8	6.6	4.6
		35-44	23.4	20.2	18.5	22.0	19.1	17.7	24.4	19.9	19.4	25.3	24.7
		45-54	65.5	66.3	65.7	60.9	69.3	74.5	63.2	64.3	63.1	70.1	74.4
		55-64	177.2	167.9	168.5	152.2	174.9	182.5	168.9	167.3	163.0	183.1	178.8
		65-74	336.2	337.6	325.8	294.1	315.5	333.8	329.1	323.5	314.7	377.3	363.6
		75-84	964.5	912.1	888.1	789.5	879.4	880.2	889.1	870.8	852.2	918.4	943.8
		85+	4027.7	3812.8	3777.4	3437.7	3670.8	3630.8	3618.2	3607.4	3496.5	3748.4	3723.2
	Male	<1	**	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	**	0.0	0.0	0.0	0.0	**	0.0	**	0.0	0.0
		15-24	2.7	**	**	2.7	**	**	**	3.7	**	**	**
		25-34	7.4	7.8	9.1	7.8	7.3	6.9	8.9	8.4	7.5	7.5	5.7
		35-44	32.7	27.9	27.6	29.9	25.0	23.5	31.2	28.3	29.8	37.7	33.8
		45-54	94.1	99.6	96.2	86.0	102.3	105.5	94.8	94.0	96.3	102.6	100.0
		55-64	265.0	248.9	259.1	235.4	268.1	274.3	256.4	250.0	243.0	274.0	270.7
		65-74	476.8	478.5	460.4	417.6	440.2	474.2	473.4	452.6	435.6	518.8	527.5
		75-84	1222.3	1137.5	1128.3	994.6	1089.2	1085.5	1103.2	1108.1	1079.0	1142.8	1201.3
		85+	4493.2	4354.2	4339.8	3755.7	4080.6	4110.0	3932.2	3908.5	3754.7	3984.2	3916.2
	Female	<1	**	0.0	0.0	0.0	0.0	**	**	**	**	0.0	**
		1-4	0.0	**	**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		5-14	**	**	0.0	**	0.0	0.0	0.0	0.0	**	0.0	**
		15-24	**	**	**	**	**	**	**	**	**	**	**
		25-34	3.7	3.2	3.2	4.6	5.9	4.1	3.6	6.2	4.0	5.7	3.5
		35-44	13.6	12.2	9.0	13.7	12.9	11.7	17.3	11.2	8.7	12.4	15.4
		45-54	37.7	33.5	35.5	36.2	36.5	43.7	31.7	34.6	29.8	37.3	48.8
		55-64	96.9	94.4	86.2	76.6	90.2	99.0	89.2	91.8	89.7	99.6	94.2
		65-74	206.4	209.4	204.0	181.5	202.3	206.7	198.7	207.3	206.5	251.3	218.7
		75-84	742.9	714.6	676.2	605.2	689.6	694.3	695.7	655.9	646.9	716.8	712.5
		85+	3758.7	3496.4	3443.5	3239.3	3407.8	3312.6	3405.6	3396.3	3311.3	3574.7	3578.3

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Hispanic or Latino	Total	<1	**	**	0.0	**	**	0.0	**	**	**	16.3	0.0
		1-4	**	0.0	**	**	0.0	**	0.0	**	0.0	**	0.0
		5-14	**	**	**	0.0	**	**	**	**	**	**	0.0
		15-24	**	**	1.9	1.8	**	**	**	**	**	1.5	1.9
		25-34	3.9	7.8	4.4	4.7	5.7	3.4	3.9	2.6	4.4	5.8	5.1
		35-44	12.2	14.1	16.0	11.0	14.2	12.2	10.3	11.9	13.9	20.2	19.9
		45-54	45.2	37.8	34.6	39.6	38.5	46.2	37.8	44.9	49.3	48.9	51.7
		55-64	130.2	130.6	113.9	111.7	116.0	106.6	108.7	120.0	101.5	130.8	133.0
		65-74	325.2	280.1	290.7	264.0	317.2	300.4	276.5	279.6	263.5	321.4	333.4
		75-84	910.9	820.5	772.8	800.6	849.4	790.7	838.6	757.1	738.8	805.3	800.9
		85+	3417.6	3102.7	2843.6	2746.7	2579.2	2766.2	2555.7	2867.9	2503.3	2941.7	2759.5
	Male	<1	**	**	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	0.0	0.0	0.0	**	**	**	**	**	0.0
		15-24	**	**	3.2	**	**	**	**	**	**	**	2.9
		25-34	5.5	11.9	4.6	6.9	6.8	6.0	5.2	3.9	5.3	6.8	6.1
		35-44	17.7	15.3	20.2	15.0	21.4	18.2	15.0	17.7	19.1	32.0	27.7
		45-54	68.7	55.1	49.3	57.5	54.2	66.8	53.4	63.6	68.6	76.2	79.3
		55-64	192.3	189.0	183.7	163.6	175.7	152.8	177.3	183.7	155.4	198.1	199.6
		65-74	422.7	401.5	415.6	386.4	423.1	443.0	396.2	416.5	383.4	465.3	479.5
		75-84	1145.4	973.2	921.0	1075.9	1070.8	935.2	1016.1	954.7	967.3	1001.2	1009.9
		85+	3560.8	3314.7	3134.7	3095.6	2417.6	3198.8	3027.0	3140.9	2973.7	3471.0	3156.7
	Female	<1	**	**	0.0	**	**	0.0	0.0	**	**	**	0.0
		1-4	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
		15-24	**	**	**	**	0.0	**	0.0	**	**	**	**
		25-34	**	**	4.1	**	4.6	**	**	**	3.5	4.6	3.9
		35-44	6.9	12.8	11.8	7.1	7.0	6.3	5.5	6.0	8.5	7.9	11.7
		45-54	22.3	20.8	20.0	22.0	23.1	25.9	22.7	26.7	30.7	22.7	25.2
		55-64	73.4	76.6	49.4	64.0	61.4	64.3	46.1	61.7	51.7	68.7	71.4
		65-74	244.6	178.3	185.0	160.6	227.0	178.0	173.1	161.4	160.7	197.9	208.1
		75-84	739.7	705.5	659.7	591.1	683.0	682.4	705.3	607.1	564.1	656.3	642.2
		85+	3335.2	2982.8	2676.9	2542.1	2673.3	2505.3	2271.7	2698.4	2220.9	2623.8	2516.3

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Black or African American	Total	<1	**	0.0	**	0.0	**	**	0.0	**	**	0.0	0.0
		1-4	**	0.0	0.0	0.0	**	**	0.0	0.0	0.0	**	0.0
		5-14	0.0	0.0	**	0.0	0.0	**	0.0	0.0	**	0.0	**
		15-24	**	**	**	**	**	**	**	**	**	**	**
		25-34	14.6	**	26.5	**	12.5	**	13.3	**	11.8	19.2	18.3
		35-44	40.0	47.7	18.5	35.0	51.7	16.6	50.7	26.6	51.3	57.5	49.4
		45-54	115.2	94.7	128.1	102.0	86.8	125.5	93.7	94.0	139.9	169.4	182.4
		55-64	270.5	245.7	231.2	208.8	330.6	310.3	301.6	252.0	270.3	319.1	291.0
		65-74	464.6	552.9	612.6	407.1	534.9	515.6	436.8	435.8	555.7	570.8	561.2
		75-84	1118.7	1316.2	1227.6	1015.1	970.9	1068.7	896.5	1027.0	1092.2	1252.8	1096.2
		85+	2987.0	3375.0	3827.0	1928.0	3434.5	3639.8	3308.7	3262.6	3189.9	3519.6	2942.2
	Male	<1	**	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	**
		15-24	0.0	**	**	**	**	**	0.0	**	**	**	**
		25-34	**	**	**	**	**	**	**	**	**	26.6	25.4
		35-44	44.5	63.5	34.1	33.3	45.9	**	69.6	25.2	56.9	62.4	75.0
		45-54	141.9	136.0	172.4	118.7	123.2	183.8	129.4	112.2	149.9	214.9	235.4
		55-64	434.3	295.5	363.2	254.2	378.3	418.6	385.6	292.1	326.8	440.7	413.2
		65-74	567.2	627.1	853.6	557.1	645.8	722.7	572.2	523.7	613.0	790.5	745.2
		75-84	1493.9	1364.6	1578.0	1211.9	1229.9	1229.8	1057.4	1191.2	1079.6	1783.0	1595.4
		85+	5285.4	3885.9	4941.0	2500.0	3724.9	3355.7	3897.7	3337.2	3301.4	3164.0	3389.8
	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
		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	**	0.0	**	0.0	0.0	**	0.0
		25-34	**	**	32.0	0.0	**	**	**	**	**	**	**
		35-44	34.7	**	0.0	37.0	58.3	**	29.4	28.2	45.0	52.1	**
		45-54	85.4	48.6	78.4	83.6	46.1	61.6	54.5	74.2	129.3	121.3	126.5
		55-64	100.9	194.4	96.6	162.2	281.5	198.6	215.1	210.4	212.1	194.4	165.5
		65-74	372.6	485.8	394.3	271.4	432.3	325.7	312.1	357.5	505.1	377.9	396.1
		75-84	838.0	1278.0	945.4	853.5	758.0	935.6	765.1	899.9	1102.2	831.0	703.6
		85+	1968.1	3149.1	3333.1	1652.9	3279.9	3791.1	2981.0	3221.7	3126.9	3736.1	2682.0

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
American Indian or Alaska Native	Total	<1	**	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
		15-24	**	**	**	**	11.8	0.0	0.0	**	0.0	**	0.0
		25-34	**	**	**	12.0	20.2	17.4	21.0	20.4	18.1	24.7	18.4
		35-44	26.9	32.3	18.7	41.0	31.8	34.3	39.3	49.6	43.4	52.5	56.9
		45-54	64.8	57.8	62.8	44.0	100.2	70.9	102.9	94.6	99.1	106.7	117.0
		55-64	160.4	141.5	134.9	94.0	151.4	164.0	161.4	155.5	171.9	218.3	242.9
		65-74	331.6	354.3	300.9	365.4	315.6	387.4	383.7	418.3	357.9	502.2	360.3
		75-84	922.0	965.6	879.5	733.8	727.8	1005.8	1073.7	743.8	827.6	1092.7	775.8
		85+	1620.8	2177.7	2443.4	1772.8	1923.9	2374.4	2535.4	2028.5	2206.4	2269.3	2489.3
	Male	<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	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
		25-34	**	**	**	23.2	31.0	25.8	33.3	36.2	27.8	40.6	**
		35-44	36.1	44.0	**	52.0	47.6	53.1	46.4	68.3	78.5	79.9	95.2
		45-54	105.7	81.1	98.1	67.7	174.9	88.0	156.5	125.4	121.1	153.0	201.4
		55-64	253.9	189.9	222.5	113.2	195.9	220.7	227.7	219.1	229.1	382.0	402.6
		65-74	505.2	449.6	360.1	588.0	413.4	625.3	522.8	493.4	423.1	668.5	551.1
		75-84	988.6	1401.2	857.6	987.6	909.7	1341.4	1561.5	833.6	1297.1	1461.2	858.6
		85+	1224.5	2183.3	3651.2	2890.2	2291.0	2957.3	3771.7	2158.3	2390.4	3319.5	3424.7
	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	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	**	**	**	**	**	0.0	0.0	0.0	0.0	**	0.0
		25-34	**	**	0.0	0.0	**	**	**	**	**	**	**
		35-44	**	**	**	30.1	**	**	32.6	32.1	**	**	**
		45-54	27.5	36.6	31.1	**	33.5	55.8	55.4	67.2	79.4	65.4	41.9
		55-64	78.7	101.1	61.9	77.7	115.8	118.4	107.9	104.0	125.6	85.2	113.1
		65-74	193.9	278.5	253.1	186.6	239.3	202.9	276.3	359.0	306.2	371.1	211.0
		75-84	875.6	661.3	895.2	551.0	602.6	777.1	745.1	683.5	517.7	852.7	722.2
		85+	1844.7	2174.6	1801.6	1175.0	1712.8	2044.6	1822.5	1953.8	2104.1	1682.1	1955.3

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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	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
		25-34	**	0.0	**	**	0.0	**	**	0.0	**	12.3	0.0
		35-44	**	**	**	**	**	**	**	16.0	**	**	16.4
		45-54	42.1	**	**	22.1	19.8	18.8	24.0	33.8	32.0	46.9	34.9
		55-64	99.7	85.0	50.3	52.5	75.5	71.0	60.8	72.8	65.9	95.8	68.4
		65-74	112.5	216.3	181.9	128.5	137.5	128.4	222.0	215.9	244.0	138.2	173.1
		75-84	513.8	564.9	559.5	514.4	482.9	512.5	530.2	725.9	471.0	620.6	723.0
		85+	2071.6	2420.1	2313.2	1298.7	2180.3	2229.1	2385.3	1655.2	2336.4	2296.2	2602.8
	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	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
		25-34	**	0.0	**	**	0.0	**	**	0.0	**	24.4	0.0
		35-44	**	**	**	**	**	**	**	**	**	**	29.8
		45-54	59.5	**	**	41.3	**	**	**	56.1	70.9	85.6	70.9
		55-64	166.8	105.4	**	95.2	151.5	120.6	126.5	144.7	102.4	148.6	87.0
		65-74	170.2	394.7	303.0	209.0	164.5	187.2	326.4	367.4	376.7	217.5	216.8
		75-84	828.9	735.5	720.5	610.7	558.2	423.4	419.2	676.1	739.9	744.8	761.6
		85+	2156.3	2657.7	2209.8	1063.8	2792.3	2457.8	3026.3	2259.9	2300.0	2117.9	3174.6
	Female	<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	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	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	0.0	0.0	**	**	0.0	**	**	**	**
		45-54	**	0.0	**	**	**	**	32.9	**	0.0	**	**
		55-64	55.3	71.2	51.1	**	**	**	**	**	38.5	56.0	54.2
		65-74	**	94.8	101.1	75.3	119.7	89.7	153.4	120.4	160.6	88.4	145.4
		75-84	308.5	452.0	451.4	448.1	428.7	575.7	611.0	761.2	281.2	537.2	696.5
		85+	2026.0	2294.7	2368.7	1424.5	1868.3	2112.7	2042.3	1319.1	2356.9	2397.1	2263.1

Note: ** cell suppressed due to rate based on non-zero count less than 6.

TABLE 13
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
All groups	Total	<1	**	**	**	**	**	**	**	**	**	**	**
		1-4	1.6	2.0	3.7	2.6	2.0	1.7	2.5	2.3	3.7	2.3	1.8
		5-14	2.3	2.8	1.7	2.2	0.8	1.3	2.3	2.5	2.2	1.9	1.8
		15-24	3.5	3.0	3.3	4.5	3.4	3.4	2.3	2.8	3.6	3.5	3.8
		25-34	7.2	10.3	10.2	6.8	7.7	7.5	8.2	8.0	8.0	8.5	7.9
		35-44	24.9	25.9	27.2	22.9	24.9	26.5	24.7	25.0	24.2	24.1	29.1
		45-54	92.1	93.6	89.8	83.3	87.5	77.4	81.0	85.2	75.6	73.4	78.6
		55-64	263.7	266.8	270.0	238.1	258.4	259.9	243.9	238.0	244.5	236.1	230.3
		65-74	559.7	557.2	546.4	513.9	533.6	528.0	513.9	487.8	503.1	494.9	499.6
		75-84	1067.3	1018.3	1029.6	934.7	1008.5	941.0	934.9	936.8	928.5	932.1	893.5
		85+	1627.4	1611.7	1610.0	1461.6	1509.7	1571.6	1459.4	1508.7	1432.7	1531.3	1375.9
	Male	<1	**	**	0.0	0.0	**	**	0.0	**	0.0	0.0	0.0
		1-4	**	**	5.0	**	3.4	**	3.3	**	3.9	**	**
		5-14	1.5	2.8	1.5	2.1	**	1.5	1.9	2.3	2.7	2.1	2.1
		15-24	3.2	3.8	3.5	5.1	3.9	3.1	2.2	4.0	4.0	5.3	4.8
		25-34	6.6	8.8	11.2	6.6	8.0	7.2	9.9	6.6	7.8	8.7	9.0
		35-44	19.3	20.8	20.9	18.5	23.9	20.5	20.1	19.0	21.5	20.3	24.6
		45-54	95.7	97.7	88.5	79.1	89.7	78.8	82.6	86.0	71.8	67.7	67.7
		55-64	296.0	312.1	309.6	275.3	293.4	298.0	285.0	273.4	280.2	262.4	249.2
		65-74	659.2	665.5	632.2	605.0	630.6	637.8	614.5	589.9	584.5	597.4	598.8
		75-84	1310.0	1250.5	1227.6	1129.0	1174.2	1118.0	1115.1	1148.5	1121.0	1095.3	1039.8
		85+	2171.3	2217.1	2150.1	1973.8	2005.0	2080.5	1872.5	1991.0	1803.2	1924.7	1738.0
	Female	<1	0.0	**	**	**	0.0	**	**	**	**	**	**
		1-4	**	**	**	4.7	**	**	**	**	3.5	**	**
		5-14	3.1	2.9	2.0	2.2	**	**	2.7	2.6	1.5	1.6	1.6
		15-24	3.9	2.3	3.1	3.7	2.8	3.7	2.4	1.5	3.2	1.7	2.8
		25-34	7.8	11.8	9.2	7.0	7.3	7.9	6.4	9.5	8.2	8.2	6.8
		35-44	30.5	31.2	33.7	27.3	25.9	32.5	29.5	31.1	26.9	28.0	33.7
		45-54	88.5	89.6	91.1	87.4	85.3	75.9	79.5	84.5	79.3	79.0	89.2
		55-64	234.4	225.7	234.0	204.5	226.9	225.4	206.8	205.9	212.0	212.1	212.9
		65-74	469.8	460.6	470.0	432.3	447.1	430.4	424.6	397.5	431.5	405.4	413.3
		75-84	864.4	820.4	859.5	765.2	863.4	786.2	777.6	751.8	760.0	790.5	766.6
		85+	1314.8	1261.0	1292.7	1146.8	1197.5	1240.5	1185.8	1179.1	1175.7	1251.9	1114.0

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
White non-Hispanic	Total	<1	**	**	0.0	0.0	**	0.0	0.0	**	**	**	0.0
		1-4	**	**	**	**	**	**	**	4.2	4.3	4.4	**
		5-14	1.5	2.0	1.7	3.1	**	**	2.4	2.6	**	2.7	1.9
		15-24	3.4	3.2	2.5	4.2	2.8	2.4	1.7	2.9	3.1	2.4	4.4
		25-34	6.3	10.4	8.2	5.1	7.7	8.1	8.9	9.7	7.5	8.6	6.6
		35-44	26.7	27.3	26.7	26.9	26.5	28.7	26.2	26.3	23.3	23.2	27.6
		45-54	98.0	101.2	97.4	94.5	93.4	80.5	83.2	89.8	79.8	81.2	88.2
		55-64	279.0	281.1	290.0	252.4	275.3	281.1	256.3	251.8	251.9	243.9	243.2
		65-74	583.8	580.4	569.6	531.0	554.5	554.2	532.7	502.7	507.7	510.6	506.0
		75-84	1087.0	1050.2	1041.9	949.7	1028.6	973.9	960.3	949.2	940.9	949.1	916.0
		85+	1633.7	1637.0	1634.0	1491.0	1570.4	1594.1	1503.1	1531.8	1466.1	1575.1	1423.1
	Male	<1	**	**	0.0	0.0	**	0.0	0.0	**	0.0	0.0	0.0
		1-4	**	**	**	0.0	**	0.0	**	**	**	**	0.0
		5-14	**	2.9	**	**	**	**	**	**	**	**	**
		15-24	3.1	3.9	2.6	5.0	3.2	**	**	3.3	3.7	3.3	5.6
		25-34	6.6	7.8	7.8	4.7	7.7	9.0	11.8	7.1	5.8	9.9	8.6
		35-44	22.5	21.0	21.6	25.5	23.6	25.3	22.6	20.2	21.8	18.6	22.8
		45-54	100.7	109.7	94.7	88.7	99.6	76.5	93.2	90.0	76.4	73.0	75.1
		55-64	308.6	324.7	336.6	291.1	314.6	315.3	299.9	294.4	287.7	268.7	269.3
		65-74	685.1	682.7	665.1	620.9	649.5	661.8	631.2	606.3	582.7	615.4	612.5
		75-84	1320.4	1282.3	1238.5	1136.6	1173.7	1146.0	1135.7	1140.1	1135.1	1100.8	1062.6
		85+	2177.7	2233.3	2200.3	2020.7	2046.3	2093.5	1956.5	2017.5	1815.8	1978.3	1782.7
	Female	<1	0.0	**	0.0	0.0	0.0	0.0	0.0	0.0	**	**	0.0
		1-4	**	**	**	**	**	**	**	**	**	**	**
		5-14	**	**	**	3.7	**	**	**	**	**	**	**
		15-24	3.8	**	**	3.4	**	**	**	**	**	**	3.0
		25-34	6.0	13.1	8.6	5.5	7.7	7.2	5.8	12.4	9.2	7.1	4.4
		35-44	31.3	33.8	32.1	28.4	29.6	32.2	29.9	32.5	24.8	28.0	32.6
		45-54	95.4	92.9	100.0	100.2	87.2	84.6	73.3	89.5	83.2	89.4	101.3
		55-64	252.0	241.4	247.7	217.2	239.6	250.1	216.6	212.8	219.1	221.1	219.1
		65-74	490.3	487.3	483.1	449.0	468.4	456.8	443.8	409.4	440.6	417.4	411.9
		75-84	886.5	846.8	868.4	781.8	897.2	818.1	801.9	776.3	765.1	812.9	784.3
		85+	1319.3	1288.4	1297.9	1160.7	1265.1	1262.5	1196.0	1191.2	1215.3	1278.2	1153.1

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Hispanic or Latino	Total	<1	0.0	0.0	**	**	0.0	**	**	**	0.0	0.0	**
		1-4	**	**	6.7	**	**	**	**	**	**	**	**
		5-14	3.5	3.4	2.0	1.9	**	1.7	2.5	2.7	2.9	**	2.2
		15-24	4.3	3.4	3.9	6.5	4.2	4.9	2.8	2.7	4.2	5.4	3.2
		25-34	9.5	8.8	11.1	9.3	6.4	6.9	7.2	6.9	8.0	8.5	9.9
		35-44	25.1	22.8	27.1	17.8	22.3	23.7	21.9	18.5	19.7	22.4	25.0
		45-54	78.0	79.2	74.5	62.2	79.8	74.1	72.3	71.6	57.7	61.7	61.4
		55-64	209.6	200.6	218.8	205.5	210.2	182.8	179.7	182.1	204.6	195.6	183.3
		65-74	440.0	415.6	438.2	452.6	415.8	402.1	404.7	403.8	450.3	413.7	444.5
		75-84	1016.0	919.5	949.2	933.0	935.8	780.0	785.4	912.8	858.1	798.9	746.2
		85+	1564.4	1572.2	1421.8	1373.4	1075.4	1452.8	1165.4	1339.7	1226.8	1321.6	1126.7
	Male	<1	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0
		1-4	**	**	10.5	0.0	**	**	**	**	**	**	**
		5-14	**	**	**	**	**	**	**	**	3.3	**	**
		15-24	4.7	4.4	4.3	7.4	4.6	4.0	**	5.3	4.3	8.7	4.8
		25-34	7.6	8.6	14.4	9.7	6.8	4.8	6.9	6.1	10.1	7.9	10.7
		35-44	17.9	17.6	20.2	10.3	22.8	14.7	16.4	15.1	16.6	21.8	21.4
		45-54	85.1	73.1	72.6	64.5	76.7	88.8	66.3	71.9	55.5	62.5	50.8
		55-64	272.6	253.7	234.0	252.7	237.1	229.8	210.9	202.1	241.9	220.9	199.6
		65-74	526.5	533.1	478.1	535.3	530.2	532.6	491.6	486.3	519.7	477.7	518.4
		75-84	1411.0	1173.8	1167.1	1211.3	1252.5	953.7	986.5	1171.1	998.5	956.6	883.0
		85+	2242.0	2392.4	1700.2	1857.4	1626.4	2145.5	1450.1	1799.7	1569.5	1574.7	1538.7
	Female	<1	0.0	0.0	**	**	0.0	**	**	**	0.0	0.0	**
		1-4	0.0	0.0	**	**	0.0	**	**	**	**	**	**
		5-14	4.4	4.8	**	**	0.0	**	3.0	3.0	**	**	**
		15-24	3.8	**	3.5	5.5	3.8	5.8	3.1	0.0	4.0	**	**
		25-34	11.4	9.1	7.6	8.9	5.9	9.1	7.6	7.8	5.8	9.2	8.9
		35-44	29.2	27.9	33.9	25.2	21.8	32.7	27.4	22.0	22.9	23.1	28.7
		45-54	71.2	85.2	76.4	59.9	82.8	59.7	78.1	71.3	59.8	60.9	71.7
		55-64	152.0	151.6	204.7	162.1	185.6	139.8	151.2	163.7	170.2	172.3	168.3
		65-74	368.5	317.0	404.4	382.7	318.3	290.0	329.7	332.5	390.8	358.7	381.2
		75-84	727.5	727.9	783.0	721.3	697.7	649.9	634.3	716.7	750.9	678.9	642.2
		85+	1174.9	1108.4	1262.4	1089.5	754.7	1035.1	993.9	1054.1	1021.2	1169.5	874.4

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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	**
		5-14	**	**	0.0	0.0	0.0	0.0	0.0	**	**	**	0.0
		15-24	**	**	**	0.0	**	0.0	**	**	**	0.0	0.0
		25-34	**	**	14.5	**	**	**	**	**	10.1	**	**
		35-44	34.6	37.1	29.0	26.3	32.0	33.2	25.3	42.2	38.5	39.0	47.4
		45-54	118.1	106.2	125.2	84.6	95.0	80.1	104.1	96.5	100.0	76.1	85.3
		55-64	329.1	399.7	302.9	264.4	305.7	306.9	381.9	318.8	331.3	341.7	288.3
		65-74	687.9	791.1	708.1	664.9	693.4	782.5	649.6	551.4	684.7	669.0	648.2
		75-84	898.9	1052.9	1408.2	905.8	909.2	1127.2	1005.2	949.0	1104.2	1275.4	1053.6
		85+	2077.9	1455.9	1913.5	1319.1	1443.5	1633.2	1131.9	1876.0	1806.3	1306.2	1246.1
	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	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	0.0	**	**	**	**	**	**	**	**	**	0.0
		35-44	**	44.0	**	**	32.1	**	**	**	40.6	35.1	37.5
		45-54	120.1	125.2	134.7	61.7	82.1	86.8	54.7	92.7	77.4	52.5	73.9
		55-64	274.8	443.3	300.0	240.4	294.2	358.8	410.9	316.0	315.4	351.5	241.5
		65-74	737.4	1057.1	786.6	785.6	838.1	938.3	829.1	646.3	887.8	870.5	736.0
		75-84	1027.1	1236.7	1658.9	1004.2	1161.6	1456.3	1148.0	1489.0	1457.5	1655.6	1015.2
		85+	2325.6	1943.0	2148.3	1718.8	2005.7	2550.3	**	2531.6	2555.9	1917.5	1318.3
	Female	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		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
		15-24	**	**	**	0.0	**	0.0	**	0.0	**	0.0	0.0
		25-34	**	**	**	**	**	**	0.0	0.0	**	**	**
		35-44	63.7	**	45.9	46.2	31.8	45.9	29.4	70.5	36.0	43.4	58.4
		45-54	115.9	85.1	114.6	109.8	109.4	72.8	158.1	100.7	124.1	101.1	97.3
		55-64	385.3	354.9	305.9	289.1	317.6	253.4	352.0	321.8	347.7	331.6	336.4
		65-74	643.6	550.6	637.0	555.7	559.4	639.7	484.2	466.7	505.1	492.1	569.4
		75-84	803.1	908.0	1206.2	825.0	701.9	855.4	888.5	530.7	821.3	972.8	1083.9
		85+	1968.1	1240.6	1809.4	1127.0	1144.2	1144.5	1422.8	1516.1	1383.0	934.0	1204.2

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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	**	**	0.0	0.0	0.0	**	0.0	0.0
		5-14	**	**	**	**	**	0.0	**	**	**	**	**
		15-24	**	**	0.0	**	**	**	**	**	**	**	**
		25-34	**	17.6	19.4	**	17.9	**	**	**	12.1	16.5	18.4
		35-44	**	24.2	37.4	12.9	34.7	25.7	30.9	41.4	54.3	38.7	54.2
		45-54	67.2	52.3	76.5	53.3	88.4	62.1	79.4	91.7	102.1	62.8	82.2
		55-64	168.0	220.1	202.4	175.0	185.5	226.0	203.5	216.4	257.9	194.8	236.4
		65-74	418.1	442.9	384.9	304.5	423.1	304.8	401.7	366.8	512.1	360.3	483.8
		75-84	718.9	622.9	760.3	800.5	884.8	570.9	746.4	743.8	707.7	864.6	719.6
		85+	1277.0	967.9	1402.7	967.0	1254.7	1424.6	1342.3	1164.5	1174.4	1227.7	1280.2
	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
		5-14	**	**	0.0	0.0	**	0.0	**	0.0	**	0.0	0.0
		15-24	0.0	**	0.0	**	**	0.0	**	**	**	**	**
		25-34	**	**	**	**	**	**	**	**	**	**	**
		35-44	0.0	**	**	**	35.7	**	**	39.9	39.3	**	50.4
		45-54	60.4	52.2	92.4	53.2	81.2	69.2	62.6	100.3	95.6	53.2	87.3
		55-64	196.6	250.3	247.3	176.8	212.9	277.9	235.5	241.8	332.5	262.2	226.9
		65-74	488.9	549.5	297.4	451.3	398.1	334.4	426.5	415.5	597.3	420.9	433.9
		75-84	798.5	757.4	786.1	1019.4	1084.7	570.1	748.2	1142.3	844.6	1126.3	944.5
		85+	1768.7	955.2	1956.0	1387.3	1718.2	1642.9	1019.4	1849.9	2091.6	1659.8	1663.4
	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	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0
		5-14	0.0	**	**	**	0.0	0.0	**	**	0.0	**	**
		15-24	**	0.0	0.0	0.0	0.0	**	0.0	**	0.0	**	**
		25-34	**	**	**	**	**	**	**	**	**	**	**
		35-44	**	31.5	47.1	**	33.8	33.2	32.6	42.8	68.3	64.3	57.7
		45-54	73.5	52.4	62.2	53.3	94.8	55.8	94.2	83.9	107.8	71.3	77.7
		55-64	143.1	194.9	165.0	173.4	163.5	184.2	177.7	195.8	197.4	140.0	244.1
		65-74	362.0	358.1	455.6	186.6	442.6	281.8	382.5	328.2	444.5	312.5	522.9
		75-84	663.3	529.0	741.7	642.8	747.2	571.4	745.1	476.4	617.3	694.0	574.1
		85+	999.2	974.8	1108.7	742.1	988.1	1301.1	1528.5	769.7	664.5	986.1	1061.5

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2011-2021

			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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
		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	**	**	0.0	**	0.0	**	**	0.0	**
		25-34	**	**	**	**	**	**	**	**	**	0.0	**
		35-44	**	22.5	21.7	18.3	**	16.5	21.4	20.6	19.6	14.8	28.7
		45-54	68.9	87.8	32.9	69.3	32.9	62.6	69.0	61.9	74.7	57.3	57.4
		55-64	188.4	180.6	100.5	118.1	168.8	225.6	158.1	157.0	164.8	177.4	164.1
		65-74	306.9	357.3	303.1	302.4	390.7	277.2	289.9	369.3	327.1	271.5	336.9
		75-84	1027.6	523.1	887.5	497.8	810.1	702.9	652.5	662.3	682.9	609.6	692.0
		85+	1600.8	1251.8	1310.8	1113.2	1296.4	1244.2	1513.8	1413.0	1078.4	1098.2	887.3
	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	**
		25-34	**	**	**	**	**	**	**	**	**	0.0	0.0
		35-44	0.0	**	**	**	**	**	**	**	**	**	25.6
		45-54	84.9	58.4	**	68.9	**	41.2	73.0	56.1	70.9	57.1	54.5
		55-64	208.5	224.1	134.9	169.2	194.8	261.4	165.5	144.7	179.2	165.2	142.3
		65-74	413.4	394.7	411.2	304.0	475.2	272.2	341.9	455.5	403.7	294.2	385.4
		75-84	1065.7	577.9	1104.7	570.0	856.0	952.7	870.7	829.7	768.4	855.2	787.0
		85+	1617.3	1932.9	2209.8	**	2443.3	**	2105.3	1355.9	1500.0	920.8	952.4
	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	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	**	**	0.0	0.0	0.0	**	**	0.0	0.0
		25-34	0.0	**	**	**	**	**	**	**	**	0.0	**
		35-44	**	**	**	30.3	**	**	31.6	26.1	**	**	31.6
		45-54	55.8	112.6	47.3	69.8	36.4	80.5	65.8	66.8	77.7	57.6	59.8
		55-64	175.1	151.2	76.6	82.1	150.7	200.2	152.8	166.1	154.0	186.7	180.7
		65-74	229.6	331.8	231.0	301.3	335.3	280.4	255.6	314.9	279.0	257.2	306.1
		75-84	1002.7	486.8	741.6	448.1	777.1	525.7	493.5	543.7	622.6	444.6	626.9
		85+	1591.9	892.4	829.0	1329.5	711.7	1486.7	1197.2	1444.7	841.8	1198.5	848.7

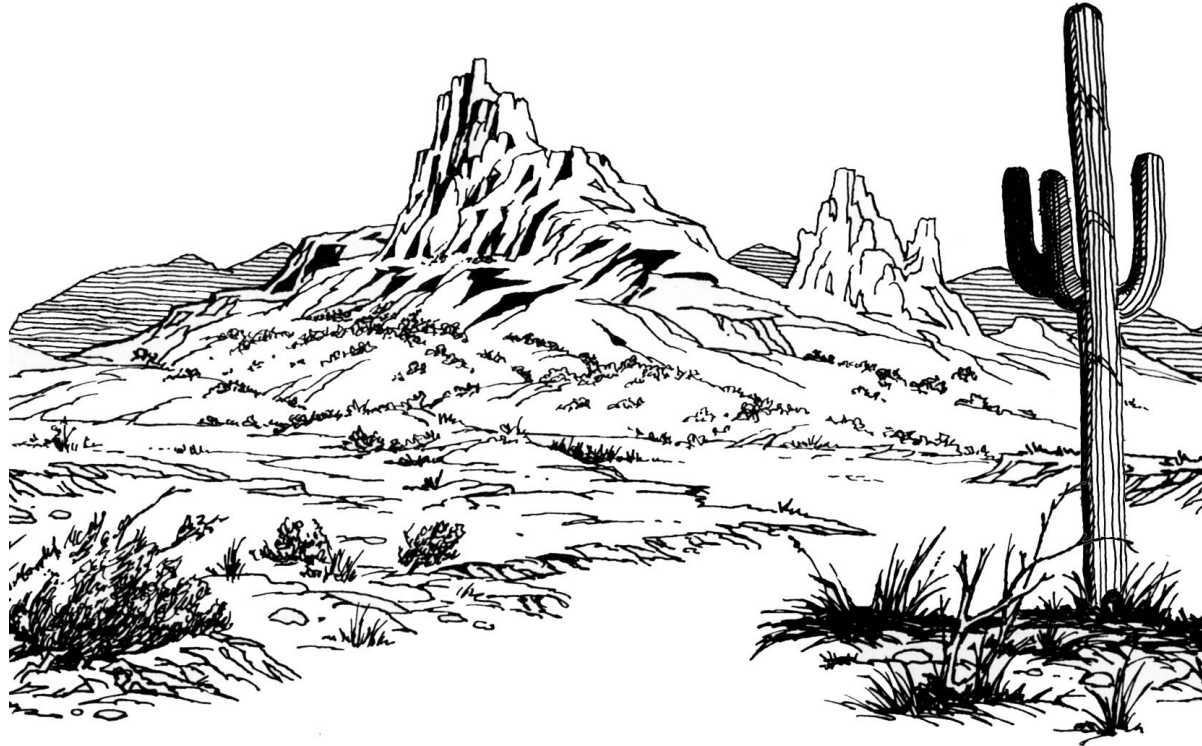
Note: ** cell suppressed due to rate based on non-zero count less than 6.

TABLE 14
RATES^a OF INPATIENT DISCHARGES WITH HEART DISEASE OR MALIGNANT NEOPLASMS (CANCER)
AS FIRST-LISTED DIAGNOSIS BY GENDER AND YEAR, ARIZONA RESIDENTS, 2011-2021

Year	Diseases of the heart	Malignant neoplasms (Cancer)	Diseases of the heart		Malignant neoplasms (Cancer)	
			M	F	M	F
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
2017	79.4	25.5	91.9	67.0	28.2	22.9
2018	85.1	25.3	100.0	70.2	27.4	23.2
2019	88.9	25.5	104.4	73.7	26.9	24.0
2020	78.1	23.5	92.7	63.7	25.6	21.3
2021	87.0	24.8	104.0	70.3	26.2	23.4

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

Our Web site at <http://pub.azdhs.gov/health-stats> 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. Additional reports and studies include Advance Vital Statistics by County of Residence, Injury Mortality among Arizona Residents (all injury, accidents, suicides, homicides, legal intervention, undetermined, 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, alcohol abuse, asthma, diabetes, substance abuse, falls, influenza and pneumonia, injury, and mental disorders), Abortions in Arizona, Community Vital Statistics, Teenage Pregnancy, Differences in Health Status Among Racial/Ethnic Groups, Health Status Profile of American Indians in Arizona, Mortality from Alzheimer's Disease, Heart Disease vs. Cancer: An Epidemiologic Transition in Mortality Risks, and Deaths from Exposure to Excessive Natural Heat Occurring in Arizona.



ARIZONA DEPARTMENT OF HEALTH SERVICES
Business Intelligence Office
Vital Statistics Program