



**HEART DISEASE VS. CANCER:
AN EPIDEMIOLOGIC TRANSITION IN
MORTALITY RISKS
ARIZONA RESIDENTS, 2012-2022**



ARIZONA DEPARTMENT
OF HEALTH SERVICES

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**HEART DISEASE VS. CANCER:
AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS
ARIZONA RESIDENTS, 2012-2022**

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HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

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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 2016-2022 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 2012-2022, as well as hospitalization rates for 1995-2022, 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 1990-2022 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 1900-2022 (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 2012-2022, with heart disease or cancer as the primary diagnoses.

SUMMARY OF FINDINGS

✓ The age-adjusted cancer mortality rate declined by 11.1 percent from 149.8 deaths per 100,000 population in 2012 to 133.1 per 100,000 population in 2022. The age-adjusted mortality rate for diseases of the heart increased by 1.6 percent from 145.8 deaths per 100,000 population in 2012 to 148.2 per 100,000 in 2022.

✓ In 2012, 505 less Arizonans died from diseases of the heart than cancer. In 2022, the number of deaths from heart disease exceeded the number of cancer deaths by 1,395.

✓ During the 2012-2022 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 2012, among Arizonans 0-84 years old, the annual number of cancer deaths exceeded the number of deaths from heart disease by 2,768. In 2022, 1,577 more Arizonans 0-84 years old died from cancer (10,870) than heart disease (9,293).

✓ 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 2022, the elderly aged 85 years or older accounted for 17.2 percent of all deaths from cancer but 36.0 percent of all deaths from heart disease. In 2022, 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 (50.4 percent among males; 32.3 percent among females) was premature, i.e., before reaching the expected years of life at birth for all U.S. residents (77.5 years in 2022).

✓ There was no gender difference in the median age of cancer, Arizona females and males who died from cancer had a median age of 74.

✓ The relative risk of death from heart disease exceeded the mortality risk of death from cancer among Arizonans in 2022.

✓ 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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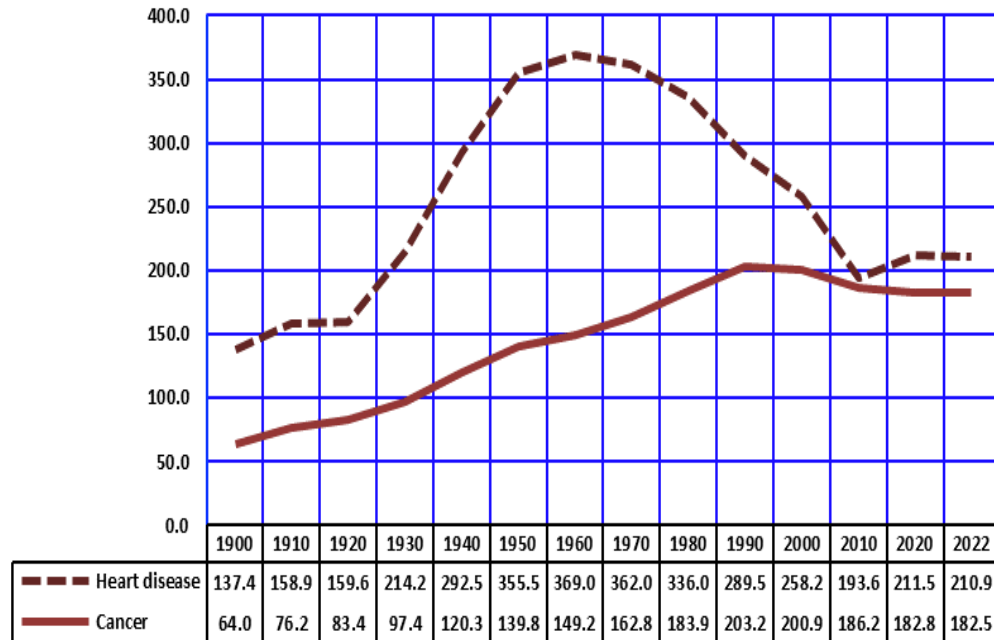
Figure 1 provides the crude death rates (the number of deaths from a specific cause per 100,000 resident population) for the entire United States. From years 1900 and every 10 years until 1970 the risk of death from diseases of the heart was over 2 times greater than the risk of death from cancer; except 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 2022, 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 8.9 percent.

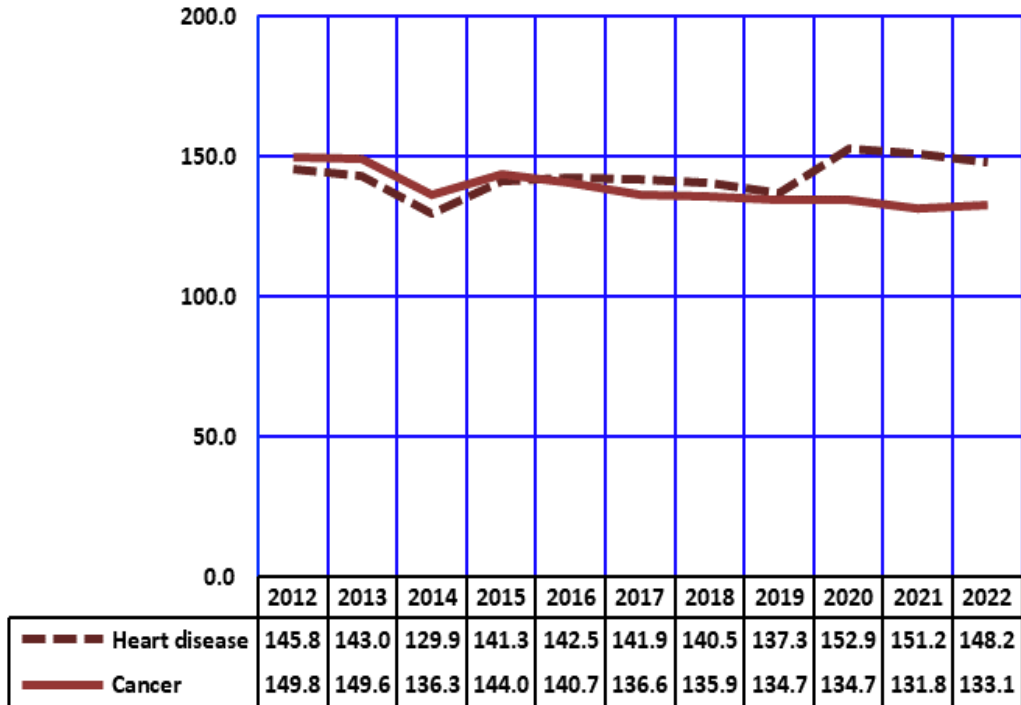
FIGURE 1
CRUDE MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), UNITED STATES, 1900-2022



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 2022 <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, 2012-2022**



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

All mortality rates for 2012-2022 in **Figure 2 – Figure 12** are not only age-adjusted but also Arizona specific.

In 2012, the mortality rate for diseases of the heart (145.8 deaths per 100,000 population) was 2.7 percent lower than the cancer death rate (149.8 per 100,000 population). However, in 2022, the mortality rate for diseases of the heart was 11.3 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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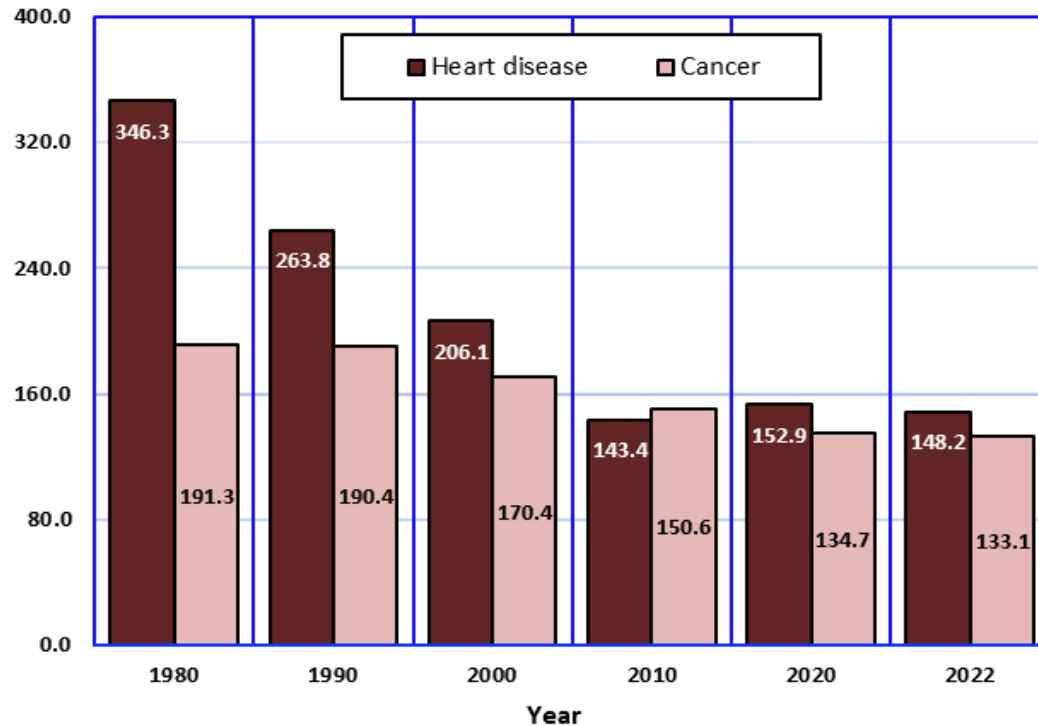
In Arizona, the relative risk of death from the two leading causes narrowed from 81 percent greater for heart disease in 1980 to 21 percent greater in 2000. But in 2010 cancer exceeded heart disease by 4.8 percent (**Figure 3**). In 2022, heart disease surpassed cancer by 11.3 percent.

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

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

However, in 2016, 2017, 2018, 2019, 2020, 2021, and 2022 age-adjusted cancer death rates were again lower than heart disease mortality rates.

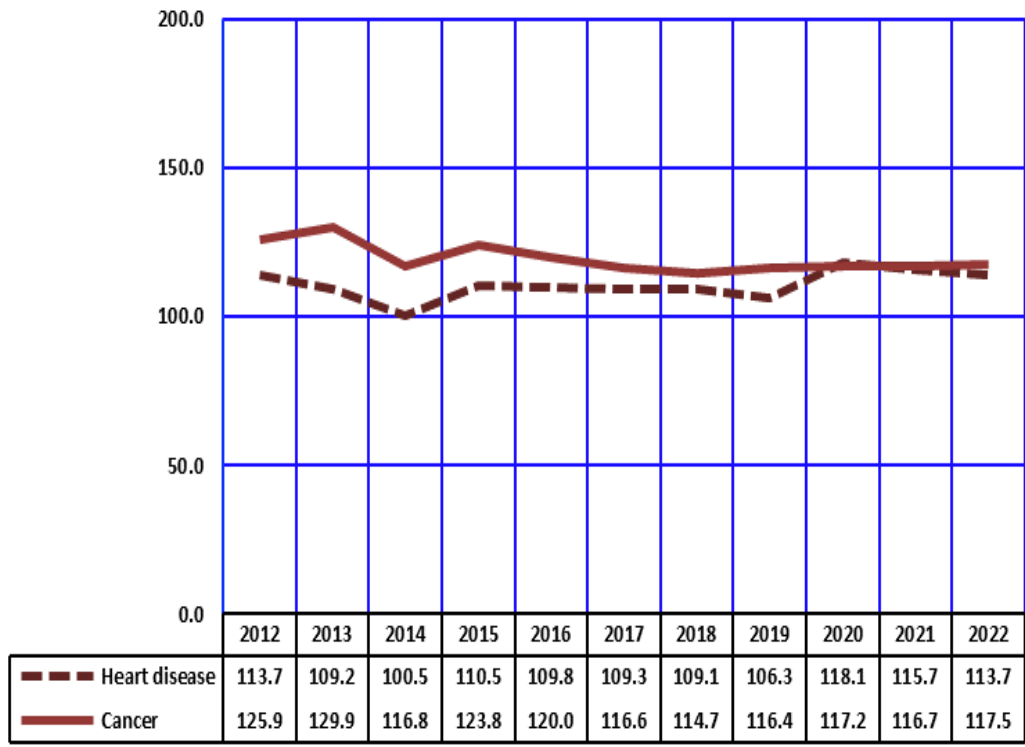
**FIGURE 3
COMPARISON OF AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA RESIDENTS, 1980, 1990, 2000, 2010, 2020, AND 2022**



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, 2012-2022**



In 2012, the cancer mortality rates exceeded the mortality rates for diseases of the heart among Arizona females by 10.7 percent (**Figure 4**).

In 2020, diseases of the heart had a slight lead in the cause of death among Arizona females but in 2021 and 2022 cancer became the leading cause of death.

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

Notes: ^a Adjusted to the 0200 U.S. standard. See Table 1.

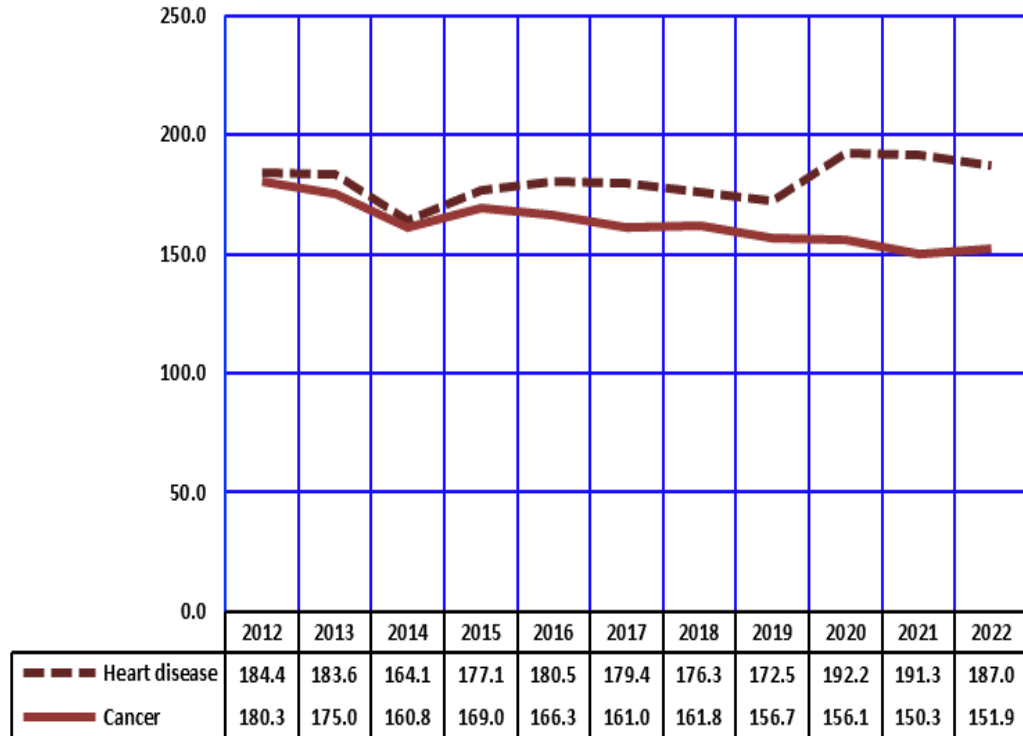
^a Table 2B-4 in Arizona Health Status and Vital Statistics 2022 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2022/pdf/2b4.pdf>

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In 2012, the age-adjusted mortality rates for heart disease (184.4) slightly exceeded the age-adjusted mortality rates for cancer (180.3) among Arizona males (Figure 5).

In 2022, 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, 2012-2022**

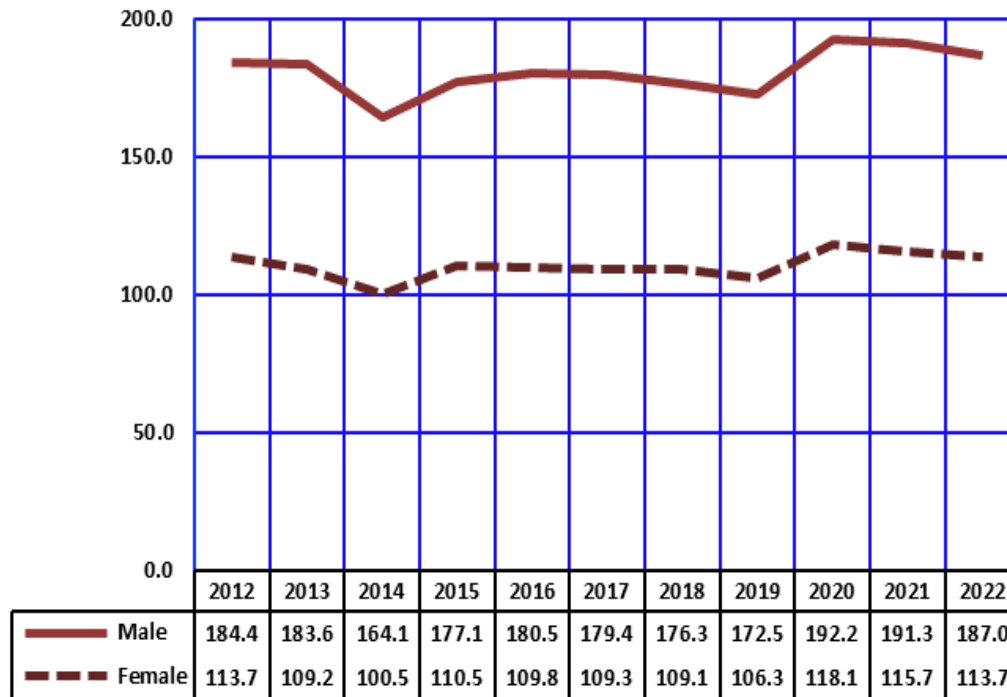


^a Table 2B-4 in Arizona Health Status and Vital Statistics 2022 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2022/pdf/2b4.pdf>

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, 2012-2022



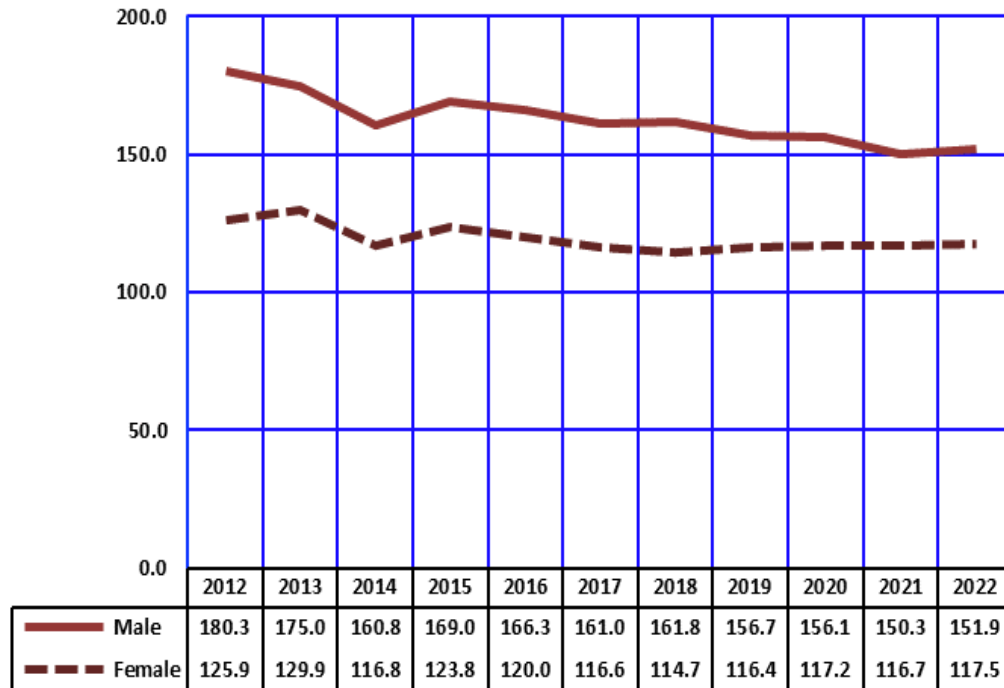
From 2012 through 2022, Arizona male mortality rates for diseases of the heart were greater than the rates of their female counterparts (**Figure 6**). The male to female differential in mortality risk remained unchanged at 1.6 times greater for males than females in 2012 and 2022.

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

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In each of the 33 years from 1990 to 2022, 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, 2021, and 2022 where the ratio was 1.3. of their female counterparts (**Figure 7**). Cancer mortality has been decreasing for both genders. During the 2012-2022 period, cancer mortality rate continued to decline, and as in the past more so among males (16 percent) than females (7 percent).

**FIGURE 7
AGE-ADJUSTED^a MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER),
BY GENDER AND YEAR, ARIZONA RESIDENTS, 2012-2022**

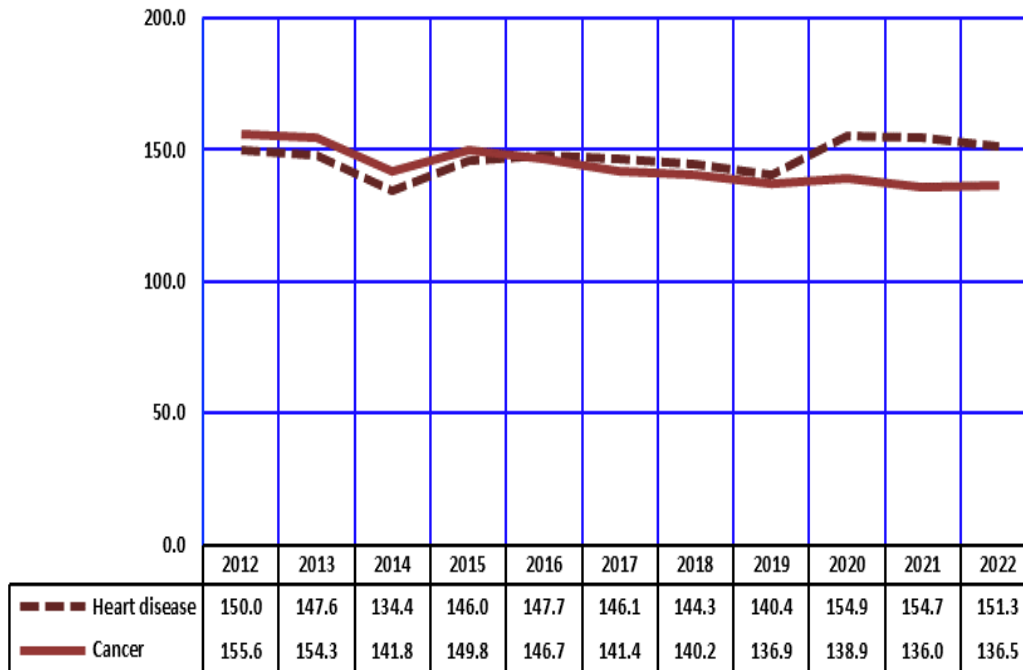


^a Table 2B-4 in Arizona Health Status and Vital Statistics 2022 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2022/pdf/2b4.pdf>

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,
2012-2022**



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

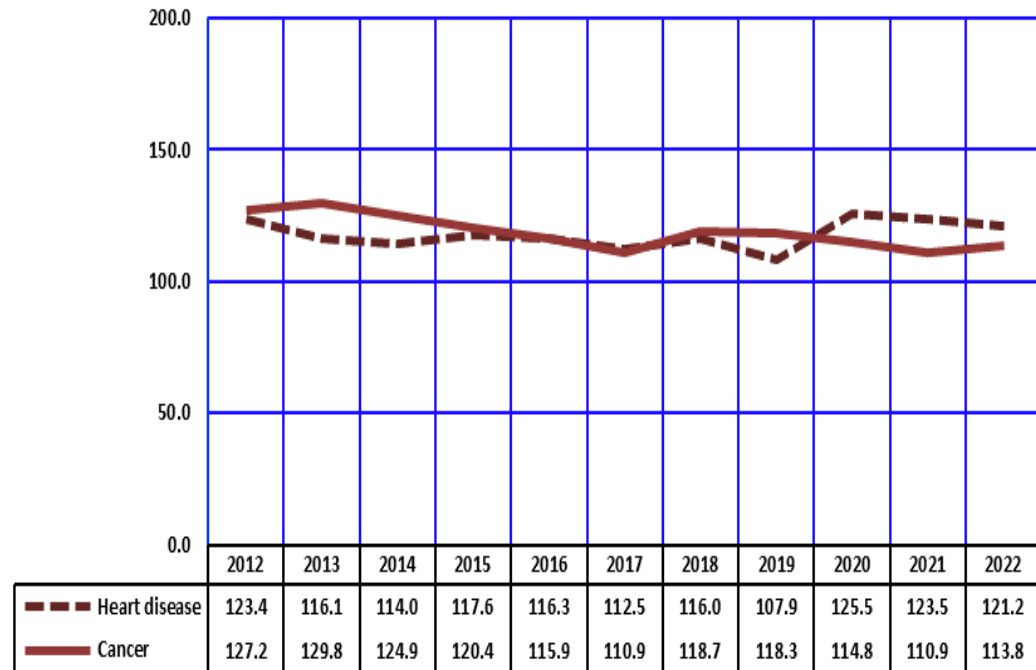
From 2012-2015, the age-adjusted mortality rates for cancer among White non-Hispanic residents of Arizona exceeded the mortality rates for heart disease (**Table 1, Figure 8**). In 2016-2022, the pattern has altered with the age-adjusted mortality rates for heart disease exceeding cancer among White non-Hispanic Arizona residents.

It is important to note that in 2022, White non-Hispanic Arizonans 75 years or older accounted for almost seven 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 (49.1 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 6 of the 11 years from the 2012-2022 period (Figure 9, Table 1). In 2016-2017, and 2020-2022 mortality due to diseases of the heart surpassed cancer mortality among Hispanic or Latino residents.

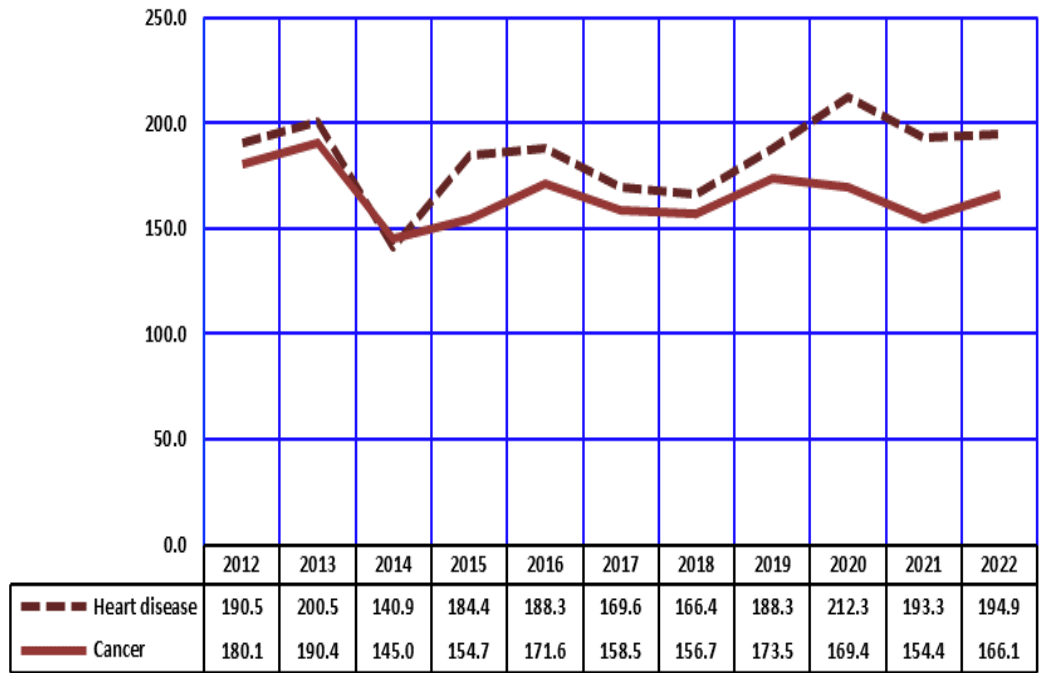
**FIGURE 9
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND
MALIGNANT NEOPLASMS (CANCER), ARIZONA HISPANIC OR LATINO RESIDENTS,
2012-2022**



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,
2012-2022



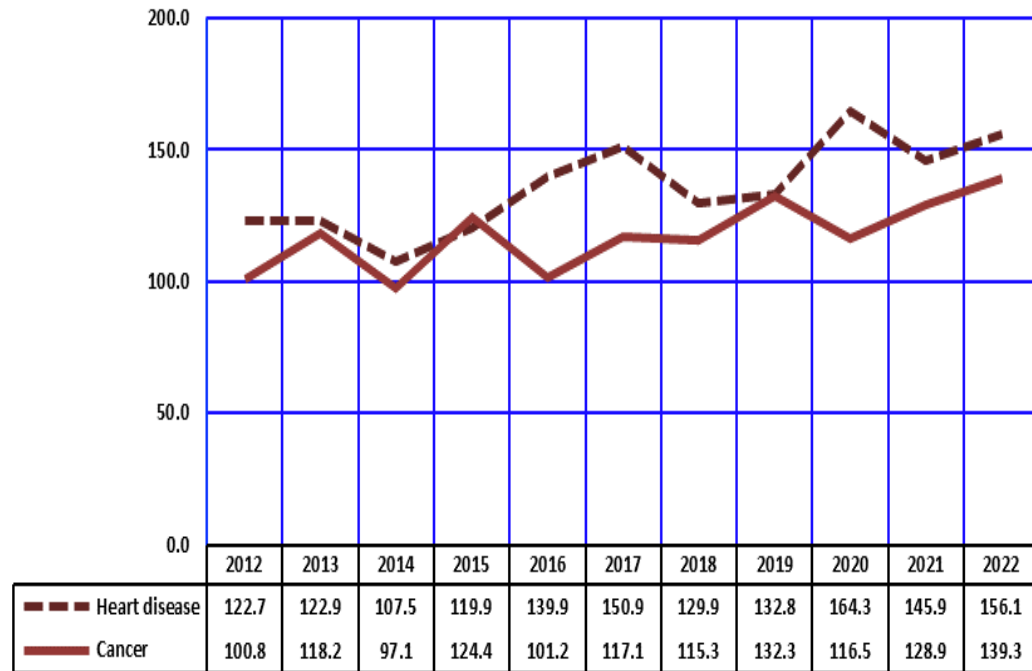
Similarly, the temporal pattern of changes in the mortality risks for diseases of the heart and cancer among Black or African American residents was marked by some variations. Mortality due to diseases of the heart exceeded cancer mortality in each year during 2012-2022, except in 2014. The mortality differential between heart disease and cancer reached a high of 1.3 in 2020-2021 over the time period but dropped in 2022 to 1.2 (**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 2012, the cancer mortality rate was 100.8/100,000, while the heart disease rate was 122.7/100,000 (**Table 1**), corresponding to a rate differential of 21.7 percent. In 2016 and 2020, the differential between the rate of the two diseases increased to their largest range within the time period to 38.2 and 41.0 percent respectively, but the rate differential substantially decreased in recent years to 13.2 percent in 2021 and 12.1 percent in 2022.

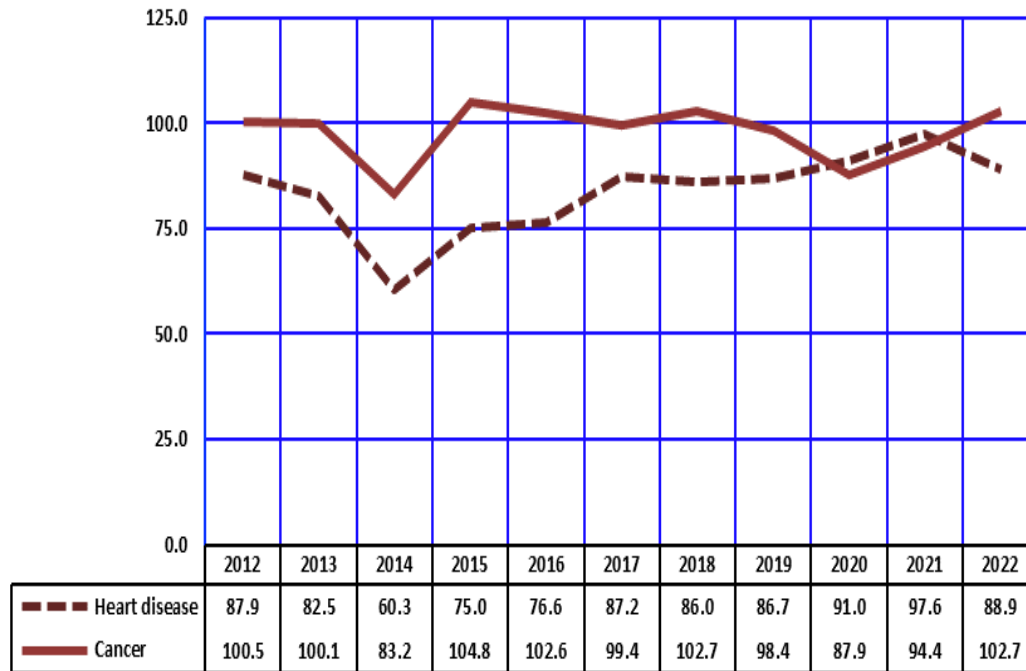
FIGURE 11
AGE-ADJUSTED^a MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA AMERICAN INDIAN OR ALASKA NATIVE RESIDENTS, 2012-2022



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,
2012-2022



During 2012-2022, 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.

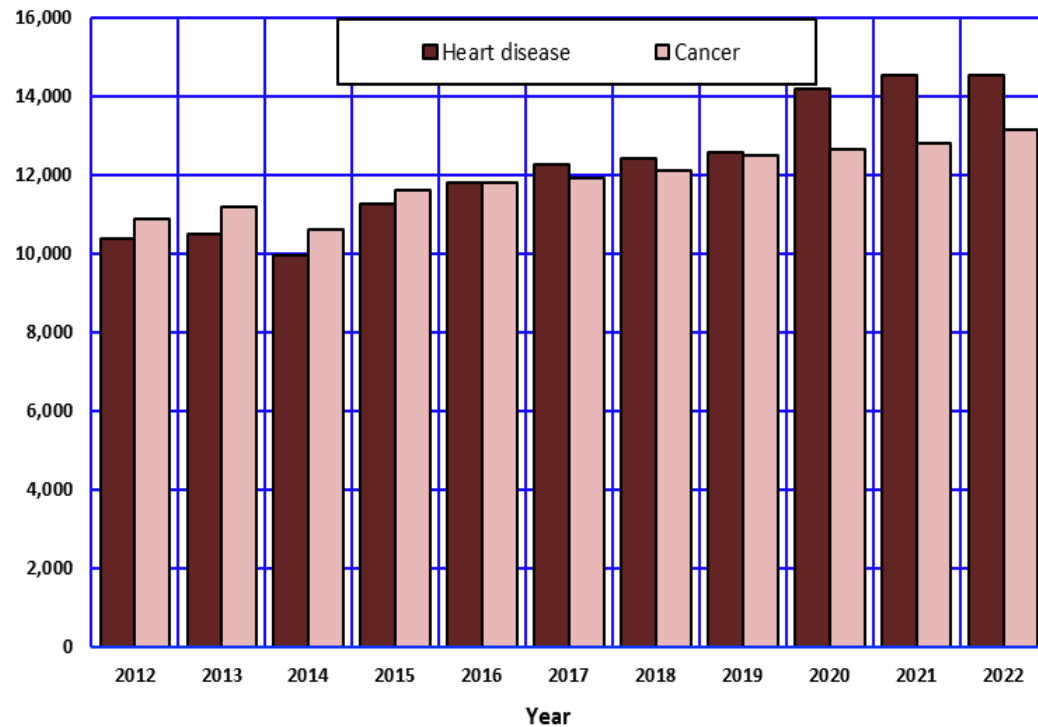
Notes: ^a Adjusted to the 2000 U.S. standard. See Table 1.

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 2016-2022 the risk of mortality due to heart disease surpassed cancer mortality.

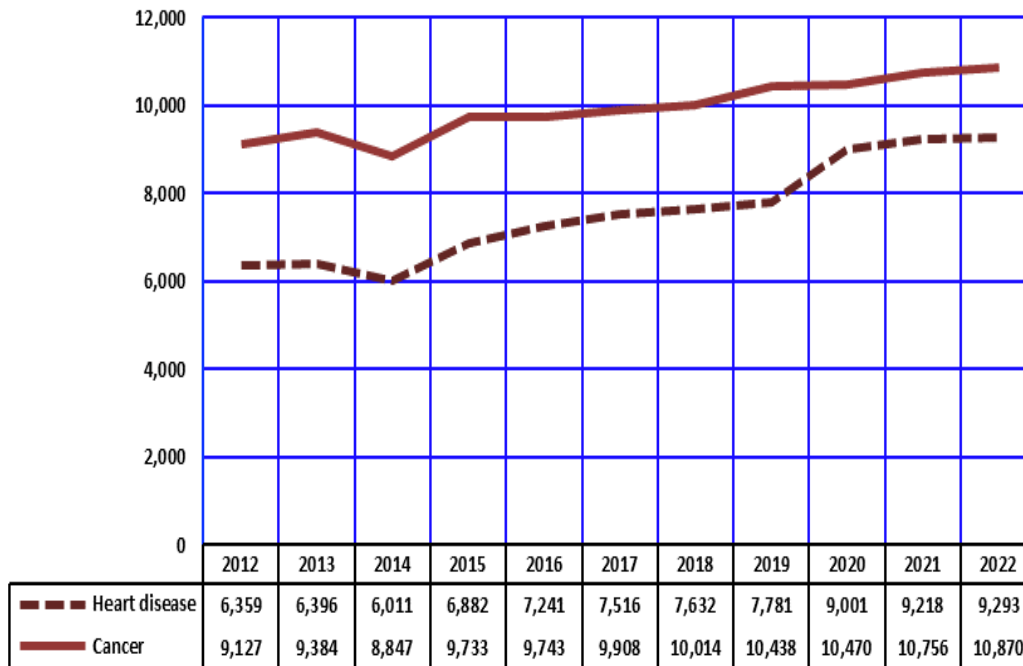
Changes in the annual number of deaths for these two leading causes of mortality also provide the evidence of the transition in mortality risks. In 2012, there were 505 less deaths from diseases of the heart than cancer among Arizona residents (**Figure 13, Table 2**). In 2022, the difference in the number of deaths from heart disease was 1,395 more than cancer.

FIGURE 13
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), BY YEAR, ARIZONA RESIDENTS, 2012-2022



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,
2012-2022**



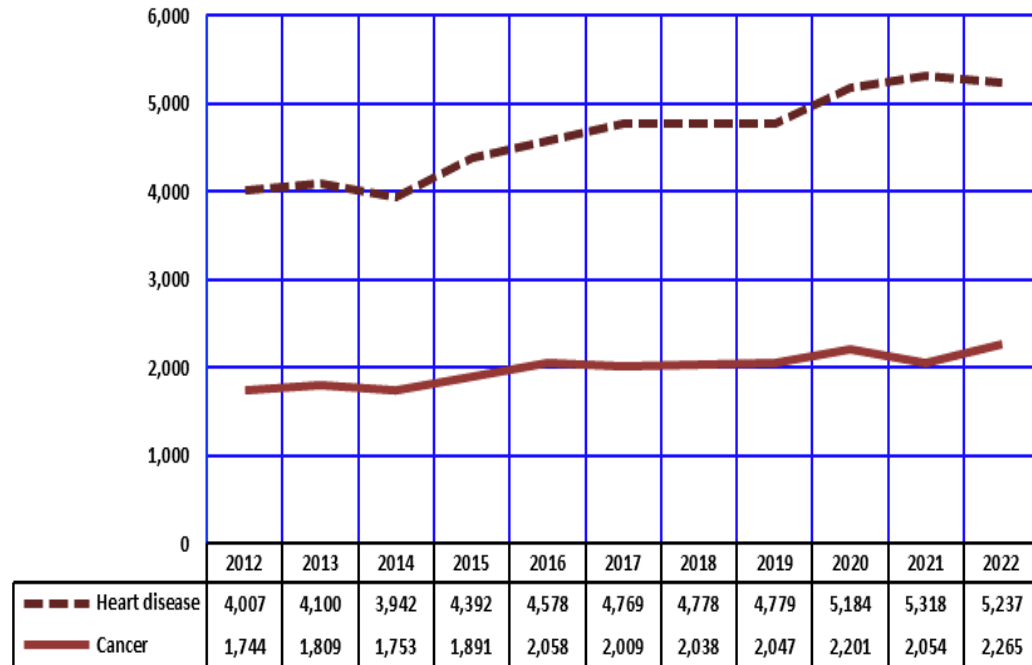
It is not very widely known that cancer has already been the number one cause of death among Arizonans aged 0-84 years since 1996 (**Figure 14, Table 4, and Table 5**) and exceeded the number of deaths from heart disease within this age group. In 2022, 1,577 more Arizonans 0-84 years old died from cancer (10,870) than heart disease (9,293).

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

Compared to the trend found among Arizonans 0-84 years of age; for residents 85 years of age or older heart disease continues to be the number one cause of death (**Figure 15, Table 6, Table 7**). In 2022, the elderly aged 85 years or older accounted for 17.2 percent of all deaths from cancer but 36.0 percent of all deaths from heart disease.

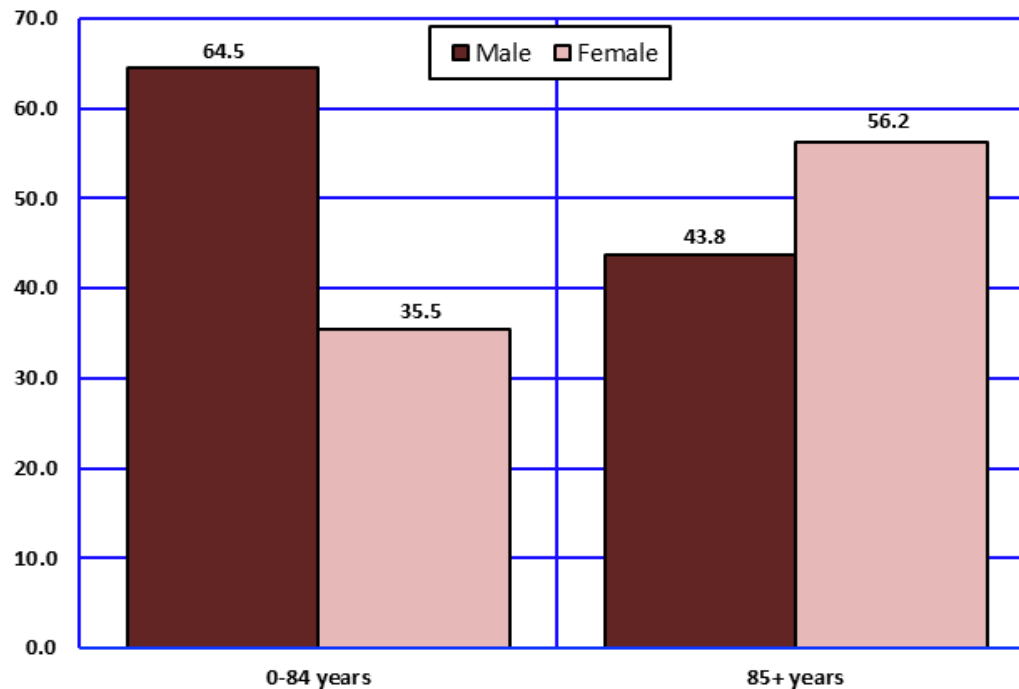
From 2012 to 2022, the number of deaths from cancer among Arizonans 85 years or older increased by 29.9 percent, as well as increasing for the number of deaths due to diseases of the heart for the same age group by 30.7 percent.

**FIGURE 15
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
AMONG ARIZONA RESIDENTS 85+ YEARS OLD,
2012-2022**



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 2012-2022)



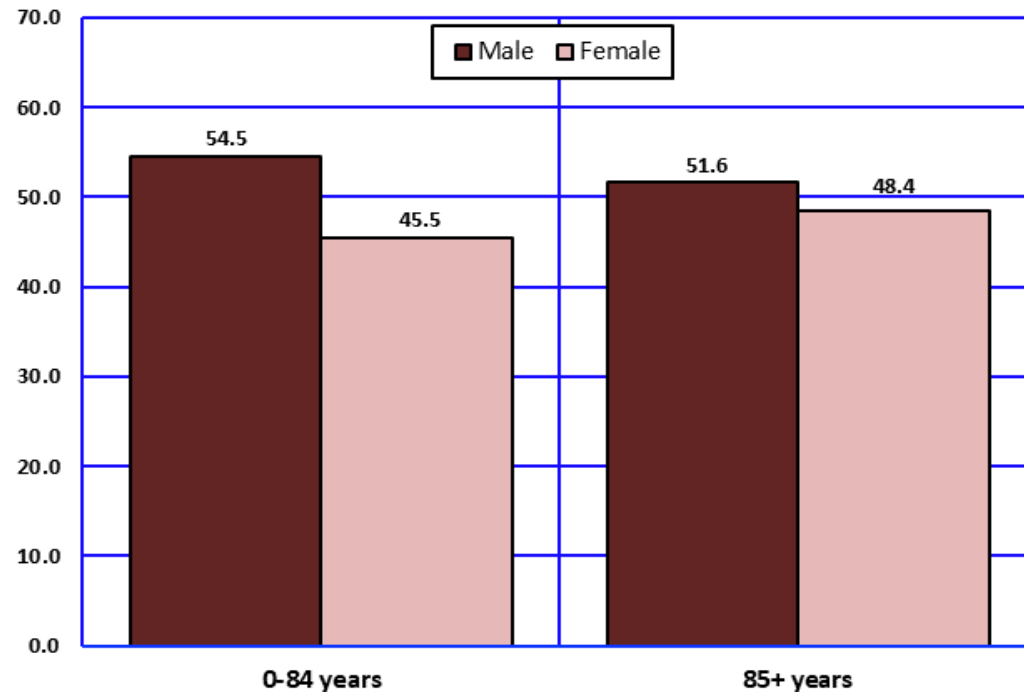
The gender-specific pattern of mortality from diseases of the heart reveals that males accounted for the absolute majority (64.5 percent) of those who died from the disease in 2012-2022 before reaching the age of 85 years (**Figure 16, Table 8, Table 9**). The opposite is true for Arizonans aged 85 years old or older; females accounted for the majority (56.2 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.

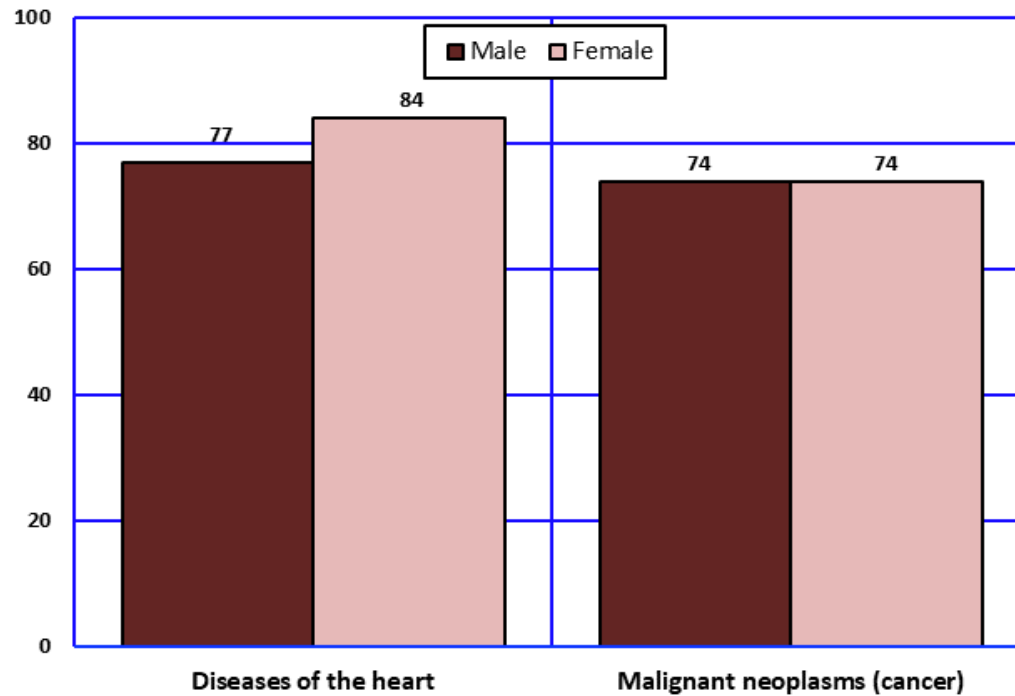
In 2012-2022, males accounted for the cumulative majority (54.5 percent) of deaths from cancer prior to age 85 years (**Figure 17, Table 8, Table 9**). Gender differences were less pronounced among Arizonans aged 85 years or older; males (51.6 percent) were almost as likely as women (48.4 percent) to 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 2012-2022)



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, 2022



In 2022, there was no difference by gender in the median age of cancer victims^a. Both males and females who died from cancer were 74 years old (**Figure 18**). In the same year, the median age at death ranged from 72 years for victims of breast cancer, to 80 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 since 2020.

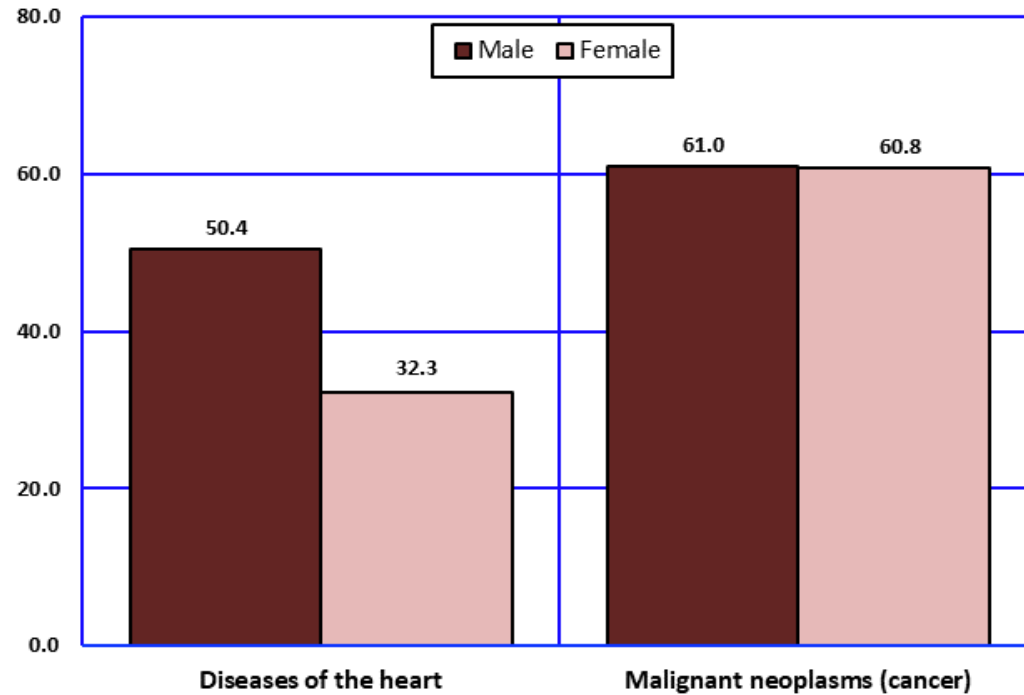
The median age at death of Arizonans who died from heart disease was noticeably greater than the median age at death from cancer. The magnitude of this difference was substantially greater for females than males.

^a Table 2D-3 in Arizona Health Status and Vital Statistics 2022 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2022/pdf/2d3.pdf>

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

Among females who died in 2022 from heart disease, only 32.3 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 60.8 percent of deaths from cancer. The majority of male deaths either from cancer (61.0 percent) or heart disease (50.4 percent) were premature.

FIGURE 19
PERCENT DEATHS BEFORE EXPECTED YEARS OF LIFE REACHED FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), BY GENDER AMONG ARIZONA RESIDENTS, 2022

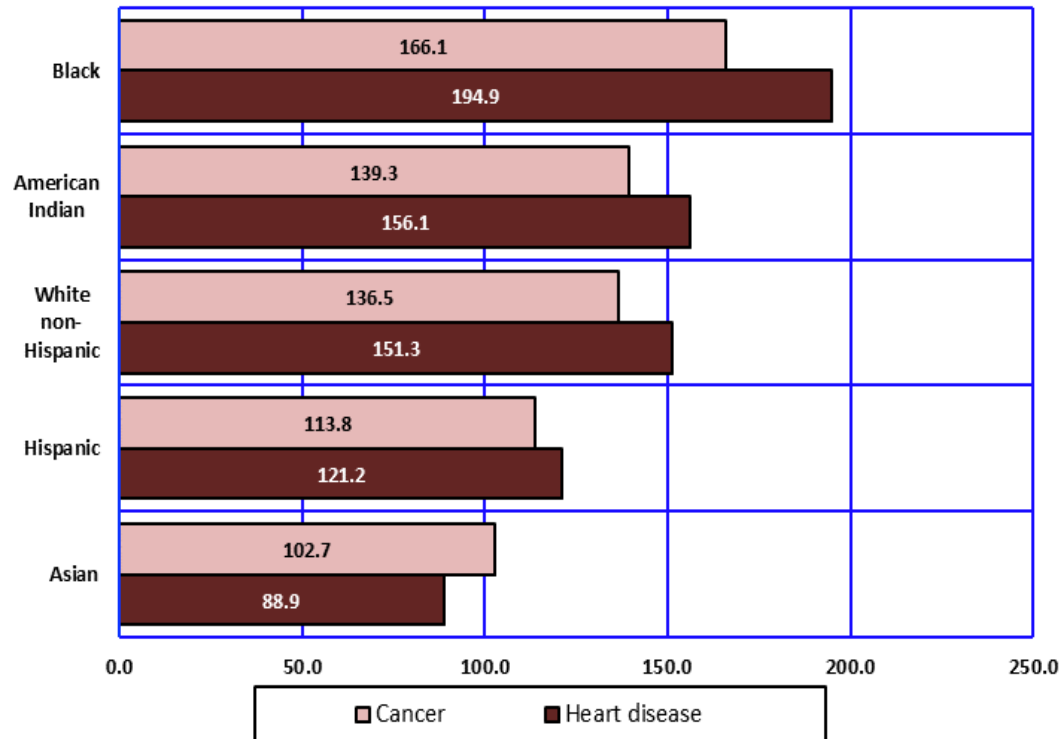


^a Table 2D-4 in Arizona Health Status and Vital Statistics 2022 report at: <http://pub.azdhs.gov/health-stats/report/ahs/ahs2022/pdf/2d4.pdf>

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, 2022



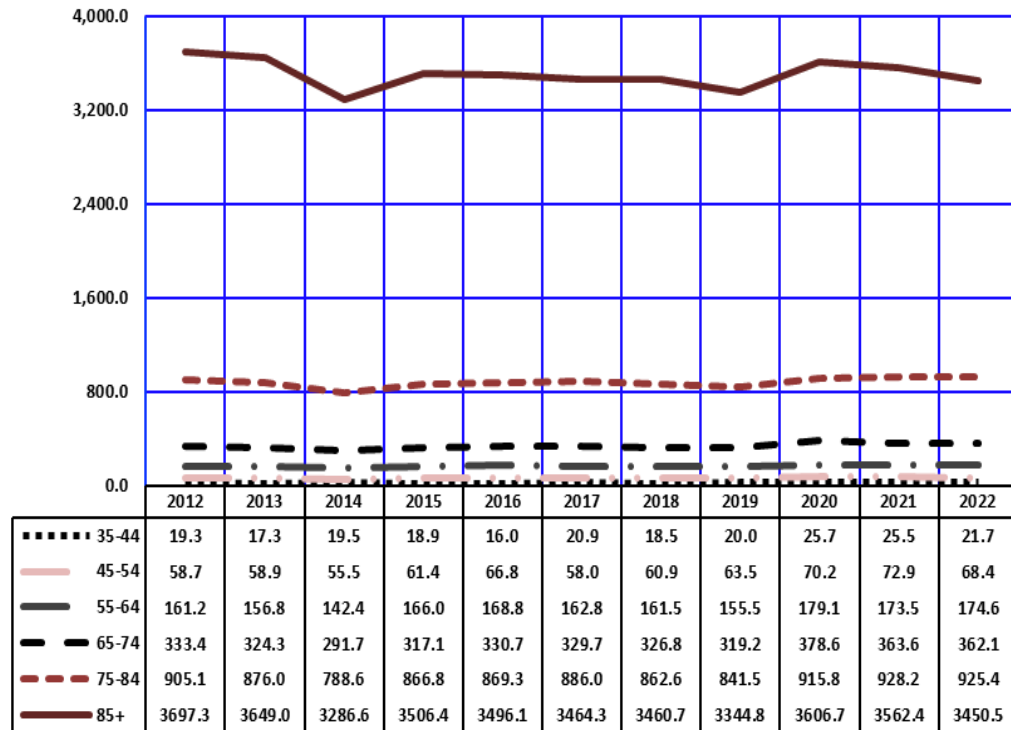
In 2022, among all the racial/ethnic groups in Arizona, Black or African Americans were 2.2 times more likely to die from diseases of the heart and 1.6 times more likely to die from malignant neoplasms than Asian or Pacific Islanders, the group with the lowest risk of both heart disease and cancer death (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 21.7 deaths per 100,000 persons aged 35-44 years, to 925.4 deaths per 100,000 persons 75-84 years old, and 3450.5 deaths per 100,000 elderly 85 years or older, (**Figure 21**) uses a logarithmic scale to accommodate the differing magnitudes.

Compared to 2012, age-specific mortality rates for diseases of the heart in 2022 were higher for all Arizonans except those aged 85+ (**Figure 21, Table 12**).

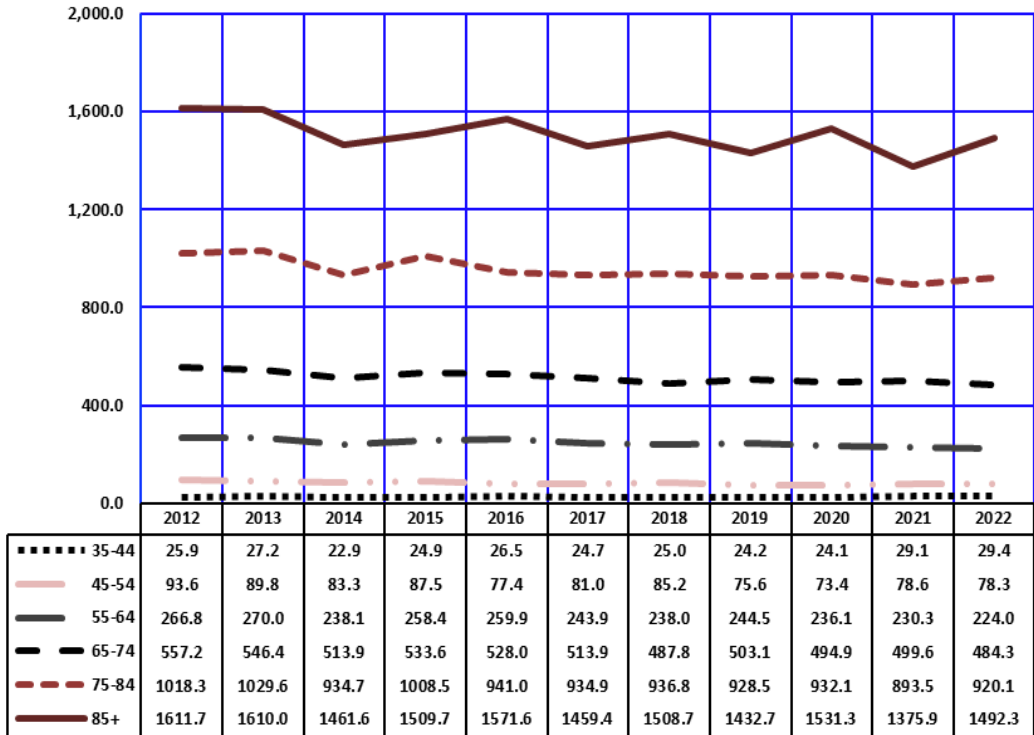
FIGURE 21
TRENDS IN AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART AMONG SELECTED AGE GROUPS OF ARIZONA RESIDENTS, 2012-2022



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, 2012-2022



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 2012, mortality rates for cancer have declined in 2022 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 45-54 (16.3 percent), 55-64 (16.0 percent), 65-74 (13.1 percent) than among those aged 75-84 (9.6 percent) and 85+ (7.4 percent).

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

In 2022, there were 64,756 inpatient discharges with first-listed diagnosis of heart disease, approximately 9.8 percent of all inpatient discharges, and 3.5 times more than the number of inpatient discharges with cancer as the principal diagnosis (18,225).

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 slightly decreasing for the most part during the 2012-2022 period (**Figure 23, Table 14**). The inpatient discharge rate with cancer diagnosis decreased from 29.8/10,000 in 2012 to 24.6 in 2022 and heart disease from 88.3/10,000 in 2012 to 87.4 in 2022.

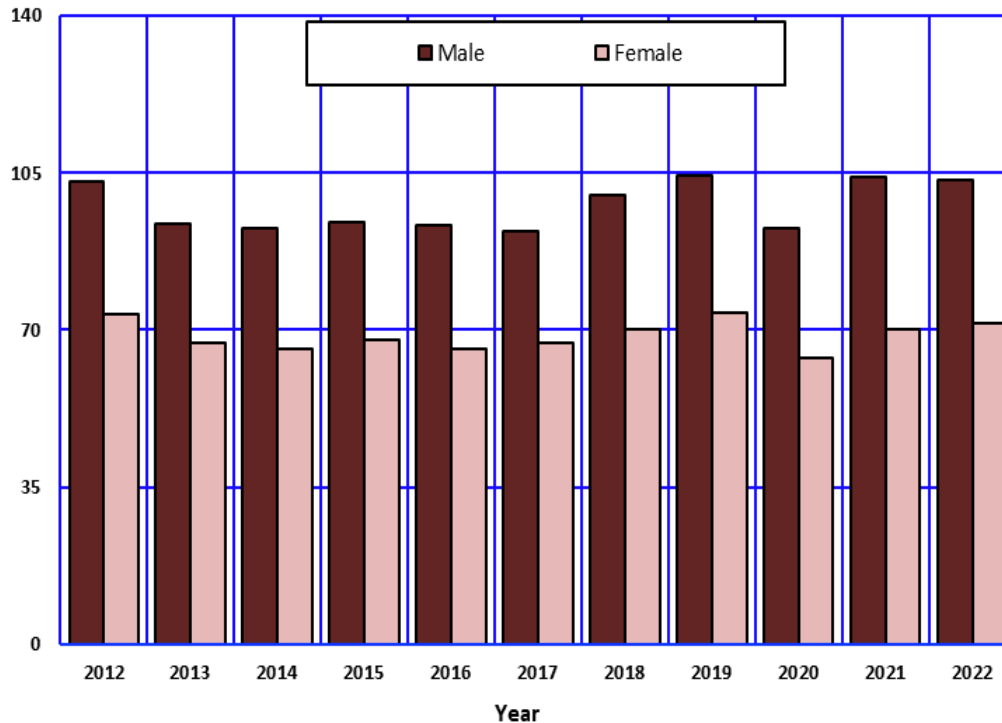
**FIGURE 23
RATES OF INPATIENT DISCHARGES^a WITH DISEASES OF THE HEART OR MALIGNANT NEOPLASMS (CANCER) AS FIRST-LISTED DIAGNOSIS BY YEAR, ARIZONA RESIDENTS, 2012-2022**



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, 2012-2022



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

In each of the 11 years from 2012 to 2022, 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 changes in hospitalization rates, a decrease of (2.7 percent) among females and an increase of (0.4 percent) among males during the eleven-year period.

In 2022, among the 64,756 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 (22,850) and cardiac catheterization (15,534).

No specific procedure was recorded for 34.8 percent of the inpatient discharges with the first-listed diagnosis of heart disease.

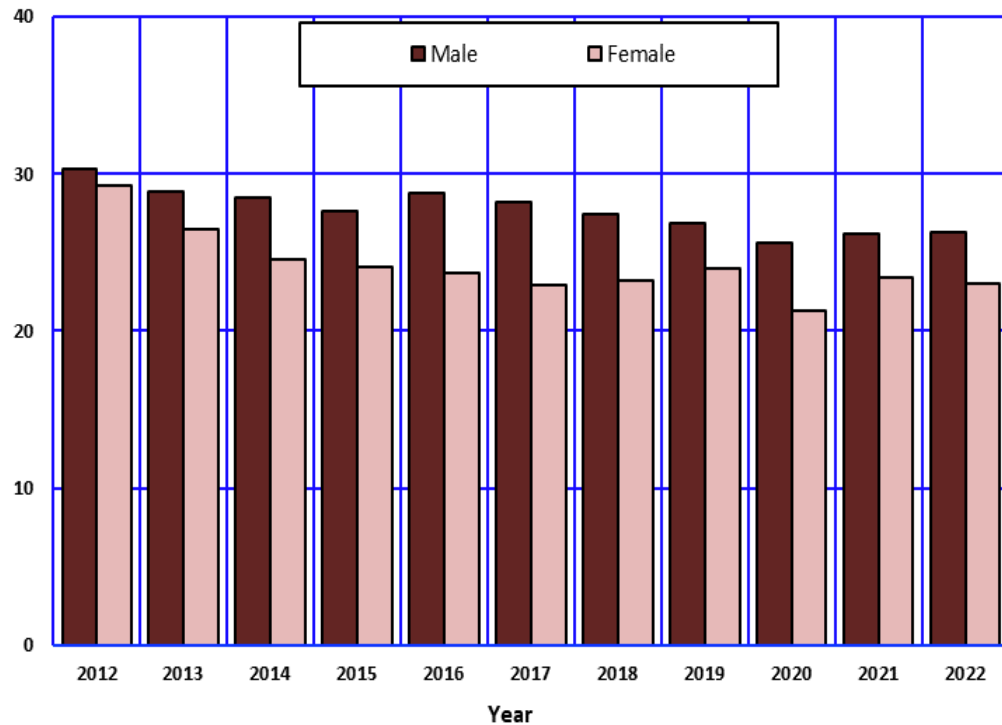
HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

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 2012 to 2022, the female inpatient hospitalization rates witnessed a continually decrease from 29.3/10,000 to 23.0/10,000.

In 2022, among the 18,225 Arizonans who were discharged with malignant neoplasm as first-listed diagnosis, 15,878 (87.1 percent) had at least one procedure performed while hospitalized. Operation on the gastrointestinal (5,235), operation on lymphatic system (4,195), and operation on the urinary system (2,084) were the top three most frequently reported procedures.

No specific procedure was recorded for approximately 12.9 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,
2012-2022



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, 2012-2022

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																		
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
2022	148.2	187.0	113.7	151.3	188.8	117.4	121.2	153.1	93.8	194.9	255.3	145.3	156.1	231.2	99.4	88.9	110.5	73.0
MALIGNANT NEOPLASMS (CANCER)																		
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
2022	133.1	151.9	117.5	136.5	154.8	120.8	113.8	133.8	98.6	166.1	176.9	158.7	139.3	166.6	120.0	102.7	106.1	100.1

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, 2012-2022

Year	Diseases of the heart	Malignant neoplasms (cancer)	Differences in the number of deaths between diseases of the heart and malignant neoplasm (cancer)
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
2022	14,530	13,135	1,395

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, 2022

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	31,931	0	*	0.0	**
1-4	0.055317	132,267	*	0	**	0.0
5-14	0.145565	377,546	10	*	0.4	**
15-24	0.138646	420,508	18	8	0.6	0.3
25-34	0.135573	481,339	40	17	1.1	0.5
35-44	0.162613	456,505	141	97	5.0	3.5
45-54	0.134834	481,212	388	348	10.9	9.8
55-64	0.087247	604,056	1,428	1,069	20.6	15.4
65-74	0.066037	607,183	2,993	2,178	32.6	23.7
75-84	0.044842	355,023	3,290	3,333	41.6	42.1
85+	0.015508	125,695	1,921	4,531	23.7	55.9
All ages	1.000000	4,073,265	10,230	11,587	136.5	151.4

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, 2012-2022**

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total, all groups	Total	Malignant neoplasms	9,135	9,384	8,847	9,733	9,743	9,908	10,014	10,438	10,470	10,756	10,870
		Diseases of the heart	6,382	6,396	6,011	6,882	7,241	7,516	7,632	7,781	9,001	9,218	9,293
	Male	Malignant neoplasms	5,057	5,056	4,830	5,292	5,355	5,466	5,559	5,685	5,672	5,736	5,826
		Diseases of the heart	4,071	4,162	3,918	4,410	4,654	4,872	4,916	5,002	5,776	5,992	6,014
	Female	Malignant neoplasms	4,078	4,328	4,017	4,441	4,388	4,442	4,455	4,753	4,798	5,020	5,044
		Diseases of the heart	2,311	2,234	2,093	2,472	2,587	2,644	2,716	2,779	3,225	3,226	3,279
White non-Hispanics	Total	Malignant neoplasms	7,419	7,538	7,125	7,787	7,827	7,824	7,814	7,990	8,100	8,259	8,309
		Diseases of the heart	5,128	5,132	4,784	5,430	5,744	5,854	5,892	5,953	6,794	7,020	7,056
	Male	Malignant neoplasms	4,128	4,126	3,923	4,251	4,309	4,377	4,382	4,397	4,418	4,505	4,503
		Diseases of the heart	3,311	3,363	3,133	3,516	3,711	3,811	3,828	3,847	4,336	4,563	4,554
	Female	Malignant neoplasms	3,291	3,412	3,202	3,536	3,518	3,447	3,432	3,593	3,682	3,754	3,806
		Diseases of the heart	1,817	1,769	1,651	1,914	2,033	2,043	2,064	2,106	2,458	2,457	2,502
Hispanics or Latinos	Total	Malignant neoplasms	1,082	1,202	1,109	1,253	1,208	1,250	1,358	1,470	1,448	1,510	1,510
		Diseases of the heart	746	745	719	875	873	895	953	965	1,172	1,240	1,224
	Male	Malignant neoplasms	592	613	604	692	677	660	729	774	767	772	798
		Diseases of the heart	460	472	468	546	552	574	623	626	763	805	810
	Female	Malignant neoplasms	490	589	505	561	531	590	629	696	681	738	712
		Diseases of the heart	286	273	251	329	321	321	330	339	409	435	414
Black or African American	Total	Malignant neoplasms	305	307	283	302	345	366	344	411	433	417	463
		Diseases of the heart	252	271	246	302	316	304	302	386	460	457	469
	Male	Malignant neoplasms	179	159	135	162	197	195	188	223	238	193	232
		Diseases of the heart	144	183	148	179	208	191	168	208	301	307	295
	Female	Malignant neoplasms	126	148	148	140	148	171	156	188	195	224	231
		Diseases of the heart	108	88	98	123	108	113	134	178	159	150	174
American Indian or Alaska Native	Total	Malignant neoplasms	197	212	200	228	186	230	240	296	241	291	290
		Diseases of the heart	184	177	192	199	226	254	240	244	318	280	304
	Male	Malignant neoplasms	102	96	110	110	90	105	126	151	121	129	154
		Diseases of the heart	111	103	125	124	140	158	136	148	201	184	205
	Female	Malignant neoplasms	95	116	90	118	96	125	114	145	120	162	136
		Diseases of the heart	73	74	67	75	86	96	104	96	117	96	99
Asian or Pacific Islander	Total	Malignant neoplasms	132	125	130	163	177	169	193	208	189	226	246
		Diseases of the heart	72	71	70	76	82	107	133	127	141	149	152
	Male	Malignant neoplasms	56	62	58	77	82	81	88	95	88	98	105
		Diseases of the heart	45	41	44	45	43	56	76	87	88	79	88
	Female	Malignant neoplasms	76	63	72	86	95	88	105	113	101	128	141
		Diseases of the heart	27	30	26	31	39	51	57	40	53	70	64
Other unspecified or other unknown	Total	Malignant neoplasms	0	0	0	0	0	69	65	63	59	53	52
		Diseases of the heart	0	0	0	0	0	102	112	106	116	72	88
	Male	Malignant neoplasms	0	0	0	0	0	48	46	45	40	39	34
		Diseases of the heart	0	0	0	0	0	82	85	86	87	54	62
	Female	Malignant neoplasms	0	0	0	0	0	21	19	18	19	14	18
		Diseases of the heart	0	0	0	0	0	20	27	20	29	18	26

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, 2012-2022**

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
TOTAL STATE	Total	Malignant neoplasms	9,135	9,384	8,847	9,733	9,743	9,908	10,014	10,438	10,470	10,756	10,870
		Diseases of the heart	6,382	6,396	6,011	6,882	7,241	7,516	7,632	7,781	9,001	9,218	9,293
	Male	Malignant neoplasms	5,057	5,056	4,830	5,292	5,355	5,466	5,559	5,685	5,672	5,736	5,826
		Diseases of the heart	4,071	4,162	3,918	4,410	4,654	4,872	4,916	5,002	5,776	5,992	6,014
	Female	Malignant neoplasms	4,078	4,328	4,017	4,441	4,388	4,442	4,455	4,753	4,798	5,020	5,044
		Diseases of the heart	2,311	2,234	2,093	2,472	2,587	2,644	2,716	2,779	3,225	3,226	3,279
APACHE	Total	Malignant neoplasms	74	81	61	71	68	80	85	95	75	89	82
		Diseases of the heart	50	61	59	72	77	96	71	69	105	90	99
	Male	Malignant neoplasms	43	38	37	36	36	41	43	54	37	49	53
		Diseases of the heart	35	37	46	38	45	55	44	40	68	65	73
	Female	Malignant neoplasms	31	43	24	35	32	39	42	41	38	40	29
		Diseases of the heart	15	24	13	34	32	41	27	29	37	25	26
COCHISE	Total	Malignant neoplasms	225	261	249	244	245	250	235	262	246	266	269
		Diseases of the heart	201	199	165	201	182	200	215	187	225	236	231
	Male	Malignant neoplasms	123	151	156	130	141	141	149	153	155	145	145
		Diseases of the heart	137	127	110	124	119	139	140	112	142	147	164
	Female	Malignant neoplasms	102	110	93	114	104	109	86	109	91	121	124
		Diseases of the heart	64	72	55	77	63	61	75	75	83	89	67
COCONINO	Total	Malignant neoplasms	115	122	101	130	139	134	161	138	154	142	138
		Diseases of the heart	100	78	80	102	108	111	85	86	106	100	107
	Male	Malignant neoplasms	67	67	48	74	66	74	76	65	80	72	83
		Diseases of the heart	66	45	58	68	74	70	50	54	79	69	66
	Female	Malignant neoplasms	48	55	53	56	73	60	85	73	74	70	55
		Diseases of the heart	34	33	22	34	34	41	35	32	27	31	41
GILA	Total	Malignant neoplasms	120	128	119	151	129	99	113	125	135	106	133
		Diseases of the heart	85	88	96	109	141	117	132	134	145	136	141
	Male	Malignant neoplasms	75	68	73	87	78	49	78	60	85	60	76
		Diseases of the heart	49	55	67	72	91	76	94	94	98	89	84
	Female	Malignant neoplasms	45	60	46	64	51	50	35	65	50	46	57
		Diseases of the heart	36	33	29	37	50	41	38	40	47	47	57
GRAHAM	Total	Malignant neoplasms	49	57	41	44	48	46	42	44	47	64	55
		Diseases of the heart	37	28	43	29	38	37	50	37	41	59	47
	Male	Malignant neoplasms	24	31	20	27	24	21	19	23	24	32	29
		Diseases of the heart	21	14	23	18	27	24	31	27	27	36	27
	Female	Malignant neoplasms	25	26	21	17	24	25	23	21	23	32	26
		Diseases of the heart	16	14	20	11	11	13	19	10	14	23	20
GREENLEE	Total	Malignant neoplasms	16	10+	10+	18	10+	10+	10+	10+	13	10+	10+
		Diseases of the heart	10+	10+	10+	10+	10+	10+	10+	10+	15	10+	10+
	Male	Malignant neoplasms	6	*	*	8	*	7	*	8	6	10	7
		Diseases of the heart	9	*	*	7	9	*	8	*	7	6	8
	Female	Malignant neoplasms	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, 2012-2022**

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
LA PAZ	Total	Malignant neoplasms	46	48	40	42	52	57	56	55	42	64	53
		Diseases of the heart	58	64	58	71	51	79	67	77	91	68	66
	Male	Malignant neoplasms	33	26	27	26	28	36	30	34	28	36	28
		Diseases of the heart	43	43	47	57	40	57	49	58	67	52	45
	Female	Malignant neoplasms	13	22	13	16	24	21	26	21	14	28	25
		Diseases of the heart	15	21	11	14	11	22	18	19	24	16	21
MARICOPA	Total	Malignant neoplasms	4,900	5,007	4,831	5,270	5,292	5,350	5,315	5,559	5,607	5,809	5,891
		Diseases of the heart	3,126	3,245	3,008	3,431	3,616	3,834	3,970	4,105	4,661	4,781	4,869
	Male	Malignant neoplasms	2,602	2,641	2,586	2,808	2,873	2,896	2,867	2,975	2,974	3,004	3,048
		Diseases of the heart	1,983	2,092	1,946	2,189	2,278	2,438	2,528	2,602	2,988	3,064	3,095
	Female	Malignant neoplasms	2,298	2,366	2,245	2,462	2,419	2,454	2,448	2,584	2,633	2,805	2,843
		Diseases of the heart	1,143	1,153	1,062	1,242	1,338	1,396	1,442	1,503	1,673	1,717	1,774
MOHAVE	Total	Malignant neoplasms	515	599	491	616	639	623	648	680	643	641	652
		Diseases of the heart	535	541	456	586	621	612	618	527	660	676	719
	Male	Malignant neoplasms	322	339	246	360	343	383	394	379	387	374	388
		Diseases of the heart	358	373	299	383	412	417	433	362	443	476	476
	Female	Malignant neoplasms	193	260	245	256	296	240	254	301	256	267	264
		Diseases of the heart	177	168	157	203	209	195	185	165	217	200	243
NAVAJO	Total	Malignant neoplasms	134	160	124	137	153	157	148	172	145	192	201
		Diseases of the heart	113	90	112	114	129	102	145	132	188	177	161
	Male	Malignant neoplasms	74	83	68	76	86	85	88	85	75	104	121
		Diseases of the heart	73	54	73	70	88	70	87	85	124	107	116
	Female	Malignant neoplasms	60	77	56	61	67	72	60	87	70	88	80
		Diseases of the heart	40	36	39	44	41	32	58	47	64	70	45
PIMA	Total	Malignant neoplasms	1,608	1,527	1,395	1,559	1,501	1,553	1,600	1,696	1,681	1,712	1,648
		Diseases of the heart	1,082	1,106	1,008	1,093	1,195	1,151	1,100	1,200	1,321	1,337	1,316
	Male	Malignant neoplasms	904	813	781	847	838	839	905	910	910	912	875
		Diseases of the heart	670	740	631	680	737	723	701	764	835	838	842
	Female	Malignant neoplasms	704	714	614	712	663	714	695	786	771	800	773
		Diseases of the heart	412	366	377	413	458	428	399	436	486	499	474
PINAL	Total	Malignant neoplasms	516	564	546	589	590	633	621	658	685	713	778
		Diseases of the heart	410	361	344	442	419	485	449	517	628	684	675
	Male	Malignant neoplasms	304	346	317	323	334	367	339	394	377	406	433
		Diseases of the heart	268	214	220	294	280	333	294	347	392	459	448
	Female	Malignant neoplasms	212	218	229	266	256	266	282	264	308	307	345
		Diseases of the heart	142	147	124	148	139	152	155	170	236	225	227
SANTA CRUZ	Total	Malignant neoplasms	58	58	64	50	45	57	53	60	53	56	56
		Diseases of the heart	34	38	30†	47	39	36	25	33	41	41	46
	Male	Malignant neoplasms	46	29	30	19	21	36	34	42	27	32	32
		Diseases of the heart	20	29	21	33	28	26	13	19	21	28	31
	Female	Malignant neoplasms	12	29	34	31	24	21	19	18	26	24	24
		Diseases of the heart	14	9	*	14	11	10	12	14	20	13	15

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, 2012-2022**

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
YAVAPAI	Total	Malignant neoplasms	502	512	524	539	537	562	609	585	628	580	600
		Diseases of the heart	325	311	332	375	348	380	427	379	438	470	455
	Male	Malignant neoplasms	285	281	282	303	291	318	351	334	330	327	329
		Diseases of the heart	207	212	226	249	230	252	275	249	273	315	309
	Female	Malignant neoplasms	217	231	242	236	246	244	258	251	298	253	271
		Diseases of the heart	118	99	106	126	118	128	152	130	165	155	146
YUMA	Total	Malignant neoplasms	234	235	240	248	251	249	294	279	299	274	283
		Diseases of the heart	184	156	199	155	207	202	239	264	302	312	305
	Male	Malignant neoplasms	132	125	145	148	155	132	168	156	166	152	167
		Diseases of the heart	107	103	133	89	140	129	143	167	185	210	194
	Female	Malignant neoplasms	102	110	95	100	96	117	126	123	133	122	116
		Diseases of the heart	77	53	66	66	67	73	96	97	117	102	111
UNKNOWN	Total	Malignant neoplasms	23	13	10†	30†	47	50†	25	19	17	34	19
		Diseases of the heart	30†	20†	20†	45	60†	65	30†	23	34	43	45
	Male	Malignant neoplasms	17	13	9	20	37	41	13	13	11	21	12
		Diseases of the heart	25	19	13	39	56	58	26	17	27	31	36
	Female	Malignant neoplasms	6	0	*	*	10	*	12	6	6	13	7
		Diseases of the heart	*	*	*	6	*	7	*	6	7	12	9

Notes: * cell suppressed due to non-zero count less than 6; † sum rounded to nearest tens unit due to non-zero addend less than 6; 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, 2012-2022**

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total, all groups	Total	Malignant neoplasms	1,748	1,809	1,753	1,891	2,058	2,009	2,083	2,047	2,201	2,054	2,265
		Diseases of the heart	4,010	4,100	3,942	4,392	4,578	4,769	4,778	4,779	5,184	5,318	5,237
	Male	Malignant neoplasms	882	894	901	971	1,074	1,027	1,116	1,055	1,149	1,089	1,141
		Diseases of the heart	1,671	1,747	1,657	1,876	2,048	2,101	2,114	2,127	2,321	2,394	2,336
	Female	Malignant neoplasms	866	915	852	920	984	982	967	992	1,052	965	1,124
		Diseases of the heart	2,339	2,353	2,285	2,516	2,530	2,668	2,664	2,652	2,863	2,924	2,901
White non-Hispanics	Total	Malignant neoplasms	1,540	1,585	1,535	1,677	1,765	1,741	1,763	1,738	1,883	1,759	1,921
		Diseases of the heart	3,587	3,664	3,539	3,920	4,020	4,191	4,152	4,145	4,481	4,602	4,531
	Male	Malignant neoplasms	775	795	799	854	925	915	957	899	1,003	945	986
		Diseases of the heart	1,511	1,568	1,485	1,703	1,816	1,839	1,854	1,859	2,020	2,076	2,041
	Female	Malignant neoplasms	765	790	736	823	840	826	806	839	880	814	935
		Diseases of the heart	2,076	2,096	2,054	2,217	2,204	2,352	2,298	2,286	2,461	2,526	2,490
Hispanics or Latinos	Total	Malignant neoplasms	151	147	150	133	198	171	206	198	208	187	214
		Diseases of the heart	298	294	300	319	377	375	441	404	463	458	462
	Male	Malignant neoplasms	83	64	75	74	110	80	106	95	93	97	106
		Diseases of the heart	115	118	125	110	164	167	185	180	205	199	184
	Female	Malignant neoplasms	68	83	75	59	88	91	100	103	115	90	108
		Diseases of the heart	183	176	175	209	213	208	256	224	258	259	278
Black or African American	Total	Malignant neoplasms	22	29	26	29	35	30†	46	47	36	36	36
		Diseases of the heart	51	58	38	69	78	76	80	83	97	85	89
	Male	Malignant neoplasms	9	10	11	14	19	*	22	24	20	14	12
		Diseases of the heart	18	23	16	26	25	32	29	31	33	36	44
	Female	Malignant neoplasms	13	19	15	15	16	21	24	23	16	22	24
		Diseases of the heart	33	35	22	43	53	44	51	52	64	49	45
American Indian or Alaska Native	Total	Malignant neoplasms	20	31	24	30	36	36	31	33	33	36	52
		Diseases of the heart	45	54	44	46	60	68	54	62	61	70	71
	Male	Malignant neoplasms	7	15	12	15	15	10	18	21	16	17	18
		Diseases of the heart	16	28	25	20	27	37	21	24	32	35	34
	Female	Malignant neoplasms	13	16	12	15	21	26	13	12	17	19	34
		Diseases of the heart	29	26	19	26	33	31	33	38	29	35	37
Asian or Pacific Islander	Total	Malignant neoplasms	15	17	20†	22	20†	33	35	30	33	30	37
		Diseases of the heart	29	30	21	37	43	52	41	65	69	88	72
	Male	Malignant neoplasms	8	10	*	14	*	16	12	15	10	12	17
		Diseases of the heart	11	10	6	16	16	23	20	23	23	40	29
	Female	Malignant neoplasms	7	7	14	8	19	17	23	15	23	18	20
		Diseases of the heart	18	20	15	21	27	29	21	42	46	48	43
Other unspecified or other unknown	Total	Malignant neoplasms	0	0	0	0	0	0†	0†	0†	10†	10†	10†
		Diseases of the heart	0	0	0	0†	0	10†	10†	20	10†	15	10†
	Male	Malignant neoplasms	0	0	0	0	0	*	*	*	7	*	*
		Diseases of the heart	0	0	0	*	0	*	*	10	8	8	*
	Female	Malignant neoplasms	0	0	0	0	0	*	*	0	*	*	*
		Diseases of the heart	0	0	0	0	0	*	*	10	*	7	8

Notes: * cell suppressed due to non-zero count less than 6; † sum rounded to nearest tens unit due to non-zero addend less than 6; 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, 2012-2022**

		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
TOTAL STATE	Total	Malignant neoplasms	1,748	1,809	1,753	1,891	2,058	2,009	2,083	2,047	2,201	2,054	2,265
		Diseases of the heart	4,010	4,100	3,942	4,392	4,578	4,769	4,778	4,779	5,184	5,318	5,237
	Male	Malignant neoplasms	882	894	901	971	1,074	1,027	1,116	1,055	1,149	1,089	1,141
		Diseases of the heart	1,671	1,747	1,657	1,876	2,048	2,101	2,114	2,127	2,321	2,394	2,336
	Female	Malignant neoplasms	866	915	852	920	984	982	967	992	1,052	965	1,124
		Diseases of the heart	2,339	2,353	2,285	2,516	2,530	2,668	2,664	2,652	2,863	2,924	2,901
APACHE	Total	Malignant neoplasms	13	20	10†	10†	15	10†	10†	10†	10†	15	20†
		Diseases of the heart	10†	24	22	34	25	33	34	26	37	30†	44
	Male	Malignant neoplasms	6	11	6	*	8	*	*	*	*	7	*
		Diseases of the heart	*	13	11	17	12	17	16	12	13	*	21
	Female	Malignant neoplasms	7	9	*	*	7	8	*	*	*	8	11
		Diseases of the heart	12	11	11	17	13	16	18	14	24	24	23
COCHISE	Total	Malignant neoplasms	52	23	32	41	62	35	53	49	46	50	44
		Diseases of the heart	103	109	99	100	100	116	116	112	105	95	120
	Male	Malignant neoplasms	31	14	16	25	33	19	25	31	25	33	16
		Diseases of the heart	41	47	49	49	40	56	59	60	36	41	58
	Female	Malignant neoplasms	21	9	16	16	29	16	28	18	21	17	28
		Diseases of the heart	62	62	50	51	60	60	57	52	69	54	62
COCONINO	Total	Malignant neoplasms	10†	15	10†	27	27	20	17	27	18	30	28
		Diseases of the heart	30	39	42	45	46	55	47	45	38	46	43
	Male	Malignant neoplasms	*	7	9	13	14	7	7	8	12	14	14
		Diseases of the heart	9	13	14	22	20	28	18	17	17	24	16
	Female	Malignant neoplasms	7	8	*	14	13	13	10	19	6	16	14
		Diseases of the heart	21	26	28	23	26	27	29	28	21	22	27
GILA	Total	Malignant neoplasms	23	16	16	27	24	21	19	20	29	19	31
		Diseases of the heart	44	59	62	69	70	59	65	63	65	88	61
	Male	Malignant neoplasms	12	7	6	14	13	9	13	10	16	11	17
		Diseases of the heart	17	27	25	32	26	23	28	25	30	47	24
	Female	Malignant neoplasms	11	9	10	13	11	12	6	10	13	8	14
		Diseases of the heart	27	32	37	37	44	36	37	38	35	41	37
GRAHAM	Total	Malignant neoplasms	10†	10†	10†	10†	10†	10†	0†	13	10†	10†	10†
		Diseases of the heart	21	19	19	10†	17	14	20†	19	26	26	31
	Male	Malignant neoplasms	*	*	*	*	*	*	*	7	*	*	*
		Diseases of the heart	11	9	10	*	11	6	*	9	18	14	13
	Female	Malignant neoplasms	*	*	*	*	*	*	*	6	*	*	*
		Diseases of the heart	10	10	9	7	6	8	12	10	8	12	18
GREENLEE	Total	Malignant neoplasms	0	0†	0†	0†	0†	0	0†	0†	10†	0†	0†
		Diseases of the heart	0†	0†	0†	0†	0†	0†	10†	0†	0†	10†	10†
	Male	Malignant neoplasms	0	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, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
LA PAZ	Total	Malignant neoplasms	10†	10†	6	10†	10†	10†	10†	10†	10†	10†	10†
		Diseases of the heart	10†	12	10†	20†	17	28	25	24	21	16	19
	Male	Malignant neoplasms	*	*	6	*	*	*	*	6	*	*	*
		Diseases of the heart	6	6	8	11	9	13	15	13	12	8	13
	Female	Malignant neoplasms	0	*	0	*	*	*	*	*	*	*	*
		Diseases of the heart	*	6	*	*	8	15	10	11	9	8	6
MARICOPA	Total	Malignant neoplasms	1,002	1,006	981	1,073	1,145	1,137	1,181	1,123	1,205	1,153	1,267
		Diseases of the heart	2,164	2,241	2,209	2,380	2,465	2,686	2,589	2,710	2,937	3,050	3,004
	Male	Malignant neoplasms	477	493	475	510	580	542	611	572	624	602	591
		Diseases of the heart	909	964	910	1,019	1,089	1,141	1,112	1,151	1,270	1,330	1,296
	Female	Malignant neoplasms	525	513	506	563	565	595	570	551	581	551	676
		Diseases of the heart	1,255	1,277	1,299	1,361	1,376	1,545	1,477	1,559	1,667	1,720	1,708
MOHAVE	Total	Malignant neoplasms	78	79	72	63	97	96	98	112	108	104	122
		Diseases of the heart	183	239	194	247	282	260	246	223	254	276	240
	Male	Malignant neoplasms	44	44	40	35	48	54	55	67	56	50	69
		Diseases of the heart	74	93	85	97	125	136	124	111	142	133	119
	Female	Malignant neoplasms	34	35	32	28	49	42	43	45	52	54	53
		Diseases of the heart	109	146	109	150	157	124	122	112	112	143	121
NAVAJO	Total	Malignant neoplasms	20	24	22	27	25	20†	26	27	27	24	26
		Diseases of the heart	42	58	55	44	56	54	56	70	65	63	69
	Male	Malignant neoplasms	8	14	13	11	15	16	17	20	13	10	13
		Diseases of the heart	22	24	22	22	29	27	25	38	27	34	30
	Female	Malignant neoplasms	12	10	9	16	10	*	9	7	14	14	13
		Diseases of the heart	20	34	33	22	27	27	31	32	38	29	39
PIMA	Total	Malignant neoplasms	346	378	327	356	385	359	363	386	378	337	404
		Diseases of the heart	833	785	727	838	883	833	911	871	929	906	921
	Male	Malignant neoplasms	187	178	171	199	209	209	203	188	191	171	230
		Diseases of the heart	327	315	310	341	398	357	388	401	405	396	414
	Female	Malignant neoplasms	159	200	156	157	176	150	160	198	187	166	174
		Diseases of the heart	506	470	417	497	485	476	523	470	524	510	507
PINAL	Total	Malignant neoplasms	47	61	86	74	88	81	95	75	130	98	92
		Diseases of the heart	165	151	160	198	181	189	221	196	256	253	260
	Male	Malignant neoplasms	24	36	53	38	48	39	50	42	77	58	54
		Diseases of the heart	64	68	69	74	77	96	107	91	127	131	130
	Female	Malignant neoplasms	23	25	33	36	40	42	45	33	53	40	38
		Diseases of the heart	101	83	91	124	104	93	114	105	129	122	130
SANTA CRUZ	Total	Malignant neoplasms	16	10†	15	10†	10†	12	17	16	10†	10†	13
		Diseases of the heart	24	25	13	38	29	32	30	22	25	24	25
	Male	Malignant neoplasms	8	*	8	7	6	6	11	6	*	7	7
		Diseases of the heart	8	11	6	16	9	12	9	7	11	10	11
	Female	Malignant neoplasms	8	*	7	*	*	6	6	10	7	*	6
		Diseases of the heart	16	14	7	22	20	20	21	15	14	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, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
YAVAPAI	Total	Malignant neoplasms	96	112	123	122	118	146	130	127	164	153	146
		Diseases of the heart	246	229	219	238	254	254	256	266	281	308	261
	Male	Malignant neoplasms	53	57	69	82	67	84	68	60	85	88	80
		Diseases of the heart	110	104	85	112	118	117	123	123	135	140	126
	Female	Malignant neoplasms	43	55	54	40	51	62	62	67	79	65	66
		Diseases of the heart	136	125	134	126	136	137	133	143	146	168	135
YUMA	Total	Malignant neoplasms	33	47	37	47	41	55	59	53	57	42	54
		Diseases of the heart	127	107	104	126	138	145	149	126	136	125	128
	Male	Malignant neoplasms	21	22	22	29	22	29	41	33	30	27	35
		Diseases of the heart	67	52	50	57	81	68	80	67	73	73	62
	Female	Malignant neoplasms	12	25	15	18	19	26	18	20	27	15	19
		Diseases of the heart	60	55	54	69	57	77	69	59	63	52	66
UNKNOWN	Total	Malignant neoplasms	0	0†	0†	0†	0†	0†	0†	0†	0†	0	0†
		Diseases of the heart	0†	0	0†	10†	10†	10†	10†	0†	10†	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 2012-2022)**

Age group	Gender	Diseases of the heart		Malignant neoplasms (cancer)	
		Count	Col %	Count	Col %
0-84	Total	83,353	100.0%	109,298	100.0%
	Male	53,787	64.5%	59,534	54.5%
	Female	29,566	35.5%	49,764	45.5%
85+	Total	51,087	100.0%	21,918	100.0%
	Male	22,392	43.8%	11,299	51.6%
	Female	28,695	56.2%	10,619	48.4%
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, 2012-2022**

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 %
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
2022	Total	9,293	100.0	10,870	100.0	5,237	100.0	2,265	100.0
	Male	6,014	64.7	5,826	53.6	2,336	44.6	1,141	50.4
	Female	3,279	35.3	5,044	46.4	2,901	55.4	1,124	49.6

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, 2012-2022**

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
All groups	Total	<1	0†	6	6	10†	0†	6	10†	10†	8	0†	7	
		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†	7
		15-24	10	18	19	15	13	10	18	12	17	15	15	16
		25-34	56	58	52	63	50	65	58	64	82	62	62	60
		35-44	160	144	163	159	135	177	160	176	227	229	229	198
		45-54	491	492	467	517	564	493	520	541	590	615	615	587
		55-64	1,206	1,191	1,113	1,323	1,375	1,360	1,379	1,351	1,556	1,525	1,525	1,561
		65-74	1,796	1,838	1,732	1,983	2,164	2,266	2,315	2,328	2,806	2,808	2,808	2,844
		75-84	2,655	2,645	2,456	2,814	2,931	3,136	3,172	3,299	3,709	3,957	3,957	4,012
		85+	4,010	4,100	3,942	4,392	4,578	4,769	4,778	4,779	5,184	5,318	5,318	5,237
	Male	<1	*	*	*	*	*	*	*	*	*	*	0	*
		1-4	*	0	*	*	*	*	*	*	0	*	*	*
		5-14	*	*	0	0	*	*	*	*	*	*	*	*
		15-24	*	14	13	10	8	6	14	6	10	10	10	13
		25-34	40	39	39	40	36	47	37	45	56	40	40	41
		35-44	107	106	109	106	94	120	112	130	169	167	167	146
		45-54	364	357	327	381	399	358	371	390	432	432	432	425
		55-64	837	879	802	946	971	990	977	955	1,117	1,102	1,102	1,131
		65-74	1,196	1,224	1,172	1,289	1,462	1,534	1,529	1,506	1,827	1,895	1,895	1,866
		75-84	1,518	1,540	1,451	1,633	1,677	1,811	1,871	1,966	2,160	2,344	2,344	2,382
		85+	1,671	1,747	1,657	1,876	2,048	2,101	2,114	2,127	2,321	2,394	2,394	2,336
	Female	<1	*	*	*	*	*	*	*	*	*	6	*	*
		1-4	*	*	*	*	0	0	*	*	0	*	0	0
		5-14	*	*	*	*	*	0	*	*	*	*	*	*
		15-24	*	*	6	*	*	*	*	*	6	7	*	*
		25-34	16	19	13	23	14	18	21	19	26	22	22	19
		35-44	53	38	54	53	41	57	48	46	58	62	62	52
		45-54	127	135	140	136	165	135	149	151	158	183	183	162
		55-64	369	312	311	377	404	370	402	396	439	423	423	430
		65-74	600	614	560	694	702	732	786	822	979	913	913	978
		75-84	1,137	1,105	1,005	1,181	1,254	1,325	1,301	1,333	1,549	1,613	1,613	1,630
		85+	2,339	2,353	2,285	2,516	2,530	2,668	2,664	2,652	2,863	2,924	2,924	2,901

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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†	0
		5-14	0†	0	0†	0	0	0†	0	0†	0	0	0†	0†
		15-24	0†	6	9	0†	7	6	11	8	6	0†	8	
		25-34	25	28	28	30	25	29	34	27	31	22	17	
		35-44	92	84	98	84	77	106	87	86	112	111	97	
		45-54	357	347	321	359	381	322	323	310	335	352	348	
		55-64	931	936	868	1,003	1,056	995	994	975	1,087	1,062	1,069	
		65-74	1,478	1,494	1,413	1,585	1,745	1,797	1,807	1,794	2,173	2,170	2,178	
		75-84	2,239	2,235	2,045	2,364	2,451	2,597	2,633	2,748	3,050	3,294	3,333	
		85+	3,587	3,664	3,539	3,920	4,020	4,191	4,152	4,145	4,481	4,602	4,531	
	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	*	
		15-24	*	*	6	*	*	*	8	*	*	*	6	
		25-34	18	21	18	17	16	21	20	18	18	14	6	
		35-44	65	64	68	56	52	69	63	67	85	77	68	
		45-54	266	253	225	264	269	241	236	237	246	237	253	
		55-64	657	685	639	732	756	720	709	695	779	771	771	
		65-74	998	1,003	957	1,052	1,178	1,227	1,198	1,173	1,407	1,477	1,430	
		75-84	1,304	1,331	1,219	1,391	1,436	1,529	1,592	1,653	1,796	1,984	2,017	
		85+	1,511	1,568	1,485	1,703	1,816	1,839	1,854	1,859	2,020	2,076	2,041	
	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	7	7	10	13	9	8	14	9	13	8	11	
		35-44	27	20	30	28	25	37	24	19	27	34	29	
		45-54	91	94	96	95	112	81	87	73	89	115	95	
		55-64	274	251	229	271	300	275	285	280	308	291	298	
		65-74	480	491	456	533	567	570	609	621	766	693	748	
		75-84	935	904	826	973	1,015	1,068	1,041	1,095	1,254	1,310	1,316	
		85+	2,076	2,096	2,054	2,217	2,204	2,352	2,298	2,286	2,461	2,526	2,490	

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Hispanic or Latino	Total	<1	0†	0	10†	0†	0	0†	0†	0†	6	0	0†	
		1-4	0	0†	0†	0	0†	0	0†	0	0†	0	0	
		5-14	0†	0†	0	0†	0†	0†	0†	0†	0†	0†	0	0
		15-24	0†	7	6	0†	0†	0†	0†	0†	0†	6	8	0†
		25-34	23	13	13	18	11	13	9	16	21	19	17	
		35-44	37	43	28	40	35	30	36	43	62	62	44	
		45-54	76	72	79	86	106	89	109	123	123	133	123	
		55-64	164	151	144	170	165	176	205	181	238	251	275	
		65-74	182	203	182	251	254	250	268	268	338	372	356	
		75-84	257	254	260	305	298	331	316	328	376	395	402	
		85+	298	294	300	319	377	375	441	404	463	458	462	
	Male	<1	*	0	*	*	0	*	*	*	0	*	0	*
		1-4	0	0	*	0	*	0	0	0	0	0	0	0
		5-14	0	0	0	0	*	*	*	*	*	*	0	0
		15-24	*	6	*	*	*	*	*	*	*	*	6	*
		25-34	18	7	10	11	10	9	7	10	13	12	17	
		35-44	20	27	19	30	26	22	27	30	50	44	36	
		45-54	55	51	57	60	76	62	76	84	94	100	91	
		55-64	114	117	101	123	113	137	150	133	173	181	208	
		65-74	119	133	122	154	173	166	185	180	226	247	241	
		75-84	131	131	151	165	151	172	172	186	202	215	211	
		85+	115	118	125	110	164	167	185	180	205	199	184	
	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	*	*	*	*	0	
		25-34	*	6	*	7	*	*	*	6	8	7	0	
		35-44	17	16	9	10	9	8	9	13	12	18	8	
		45-54	21	21	22	26	30	27	33	39	29	33	32	
		55-64	50	34	43	47	52	39	55	48	65	70	67	
		65-74	63	70	60	97	81	84	83	88	112	125	115	
		75-84	126	123	109	140	147	159	144	142	174	180	191	
		85+	183	176	175	209	213	208	256	224	258	259	278	

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	10†	11	0†	6	10†	7	10†	7	12	12	11	
		35-44	18	7	16	21	7	22	12	24	28	25	33	
		45-54	33	45	41	32	47	36	37	56	69	77	50	
		55-64	59	58	60	93	92	94	83	93	113	107	120	
		65-74	65	77	60	81	85	78	83	112	122	129	144	
		75-84	70	68	65	63	73	66	79	91	111	103	106	
		85+	51	58	38	69	78	76	80	83	97	85	89	
	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	*	*	
		15-24	*	*	*	*	*	0	*	*	*	*	*	
		25-34	*	*	*	*	*	*	*	*	*	9	9	6
		35-44	13	7	8	10	*	16	6	14	16	20	20	
		45-54	25	32	25	24	36	26	23	31	45	51	31	
		55-64	36	46	37	54	63	61	49	57	79	77	82	
		65-74	35	51	39	47	57	49	47	58	79	81	91	
		75-84	32	39	35	36	38	35	40	40	70	66	61	
		85+	18	23	16	26	25	32	29	31	33	36	44	
	Female	<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	0	
		25-34	*	6	0	*	*	*	*	*	*	*	*	
		35-44	*	0	8	11	*	6	6	10	12	*	13	
		45-54	8	13	16	8	11	10	14	25	24	26	19	
		55-64	23	12	23	39	29	33	34	36	34	30	38	
		65-74	30	26	21	34	28	29	36	54	43	48	53	
		75-84	38	29	30	27	35	31	39	51	41	37	45	
		85+	33	35	22	43	53	44	51	52	64	49	45	

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	0†
		15-24	0†	0†	0†	6	0	0	0†	0	0	0†	0	0†
		25-34	0†	10†	7	9	8	10	10	9	12	9	12	
		35-44	12	7	19	11	12	14	18	16	19	21	17	
		45-54	21	23	19	34	24	35	32	33	34	37	46	
		55-64	36	36	29	40	45	46	46	52	65	74	61	
		65-74	48	43	60	47	61	64	73	65	92	70	79	
		75-84	62	59	55	51	74	82	60	69	91	69	86	
		85+	45	54	44	46	60	68	54	62	61	70	71	
	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	*
		15-24	*	*	*	*	0	0	*	0	0	0	0	*
		25-34	*	*	7	7	6	8	9	7	10	*	10	
		35-44	8	*	12	8	9	8	12	14	14	17	15	
		45-54	14	17	14	28	14	25	20	19	23	30	38	
		55-64	22	27	16	23	27	29	29	31	51	55	44	
		65-74	27	23	43	27	43	38	38	34	54	47	46	
		75-84	37	24	31	26	40	48	27	43	48	30	50	
		85+	16	28	25	20	27	37	21	24	32	35	34	
	Female	<1	0	*	0	0	0	*	0	0	*	0	0	0
		1-4	0	0	0	0	0	0	0	0	0	0	0	0
		5-14	0	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	7	6	*	6	10	10	12	14	11	7	8	
		55-64	14	9	13	17	18	17	17	21	14	19	17	
		65-74	21	20	17	20	18	26	35	31	38	23	33	
		75-84	25	35	24	25	34	34	33	26	43	39	36	
		85+	29	26	19	26	33	31	33	38	29	35	37	

TABLE 10 (continued)
NUMBER OF DEATHS FROM DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	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	0	0†	0	0
		25-34	0	0†	0†	0	0†	0†	0	10†	6	0	0†	0†
		35-44	0†	0†	0†	0†	0†	0†	7	10†	10†	8	7	7
		45-54	0†	10†	7	6	6	8	12	12	18	14	17	17
		55-64	16	10	12	17	17	15	19	18	27	20	19	19
		65-74	23	21	17	19	19	36	38	47	28	37	40	40
		75-84	27	29	31	31	35	39	57	40	56	70	64	64
		85+	29	30	21	37	43	52	41	65	69	88	72	72
	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	*
		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	*	6	0	*	*
		35-44	*	*	*	*	*	*	*	*	*	7	7	7
		45-54	*	*	6	*	*	*	9	12	15	13	11	11
		55-64	8	*	9	14	12	13	16	12	18	11	14	14
		65-74	17	14	11	9	11	21	25	28	17	18	23	23
		75-84	14	15	15	15	12	13	22	26	27	30	29	29
		85+	11	10	6	16	16	23	20	23	23	40	29	29
	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
		5-14	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	0	*	0	0	0	0	0	*
		35-44	0	0	0	*	*	0	*	*	*	*	0	0
		45-54	0	*	*	*	*	6	*	0	*	*	*	6
		55-64	8	6	*	*	*	*	*	6	9	9	*	*
		65-74	6	7	6	10	8	15	13	19	11	19	17	17
		75-84	13	14	16	16	23	26	35	14	29	40	35	35
		85+	18	20	15	21	27	29	21	42	46	48	43	43

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, 2012-2022**

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
All groups	Total	<1	0†	0†	0†	0†	0†	0†	0†	0†	0†	0†	0†
		1-4	7	13	9	7	6	9	8	13	8	6	10†
		5-14	26	16	20	7	12	21	23	20	17	17	16
		15-24	28	31	42	32	32	22	27	35	34	37	39
		25-34	89	89	60	69	69	77	77	79	84	80	74
		35-44	215	227	191	209	223	210	216	213	213	261	268
		45-54	783	750	701	737	653	689	728	644	617	663	672
		55-64	1,996	2,051	1,861	2,060	2,117	2,038	2,032	2,124	2,052	2,024	2,002
		65-74	3,002	3,097	3,051	3,337	3,455	3,532	3,456	3,669	3,668	3,858	3,804
		75-84	2,987	3,109	2,911	3,274	3,173	3,309	3,445	3,640	3,775	3,809	3,989
		85+	1,748	1,809	1,753	1,891	2,058	2,009	2,083	2,047	2,201	2,054	2,265
	Male	<1	*	0	0	*	*	0	*	0	0	0	*
		1-4	*	9	*	6	*	6	*	7	*	*	*
		5-14	13	7	10	*	7	9	11	13	10	10	6
		15-24	18	17	25	19	15	11	20	20	26	24	26
		25-34	39	50	30	37	34	48	33	40	45	47	41
		35-44	87	88	78	101	87	86	83	96	91	112	129
		45-54	405	367	330	375	330	348	364	303	282	283	320
		55-64	1,110	1,118	1,022	1,110	1,153	1,131	1,111	1,161	1,089	1,048	1,013
		65-74	1,691	1,687	1,696	1,858	1,965	1,987	1,962	1,994	2,065	2,151	2,089
		75-84	1,688	1,713	1,638	1,780	1,759	1,840	1,970	2,051	2,061	2,059	2,198
		85+	882	894	901	971	1,074	1,027	1,116	1,055	1,149	1,089	1,141
	Female	<1	*	*	*	0	*	*	*	*	*	*	*
		1-4	*	*	8	*	*	*	*	6	*	*	*
		5-14	13	9	10	*	*	12	12	7	7	7	10
		15-24	10	14	17	13	17	11	7	15	8	13	13
		25-34	50	39	30	32	35	29	44	39	39	33	33
		35-44	128	139	113	108	136	124	133	117	122	149	139
		45-54	378	383	371	362	323	341	364	341	335	380	352
		55-64	886	933	839	950	964	907	921	963	963	976	989
		65-74	1,311	1,410	1,355	1,479	1,490	1,545	1,494	1,675	1,603	1,707	1,715
		75-84	1,299	1,396	1,273	1,494	1,414	1,469	1,475	1,589	1,714	1,750	1,791
		85+	866	915	852	920	984	982	967	992	1,052	965	1,124

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
White non-Hispanic	Total	<1	0†	0	0	0†	0	0	0†	0†	0†	0	0
		1-4	0†	0†	0†	0†	0†	10†	6	6	6	0†	0†
		5-14	8	7	12	0†	10†	9	10	10†	10	7	10
		15-24	14	11	18	12	10	7	12	13	10	18	18
		25-34	47	37	23	35	37	41	45	35	40	31	40
		35-44	124	121	120	117	125	114	115	103	103	124	141
		45-54	545	514	498	484	412	424	451	392	388	417	388
		55-64	1,558	1,611	1,439	1,579	1,627	1,510	1,496	1,507	1,448	1,444	1,428
		65-74	2,541	2,612	2,551	2,786	2,897	2,909	2,808	2,894	2,941	3,020	2,993
		75-84	2,578	2,622	2,460	2,765	2,712	2,805	2,870	3,034	3,152	3,197	3,290
		85+	1,540	1,585	1,535	1,677	1,765	1,741	1,763	1,738	1,883	1,759	1,921
	Male	<1	*	0	0	*	0	0	*	0	0	0	0
		1-4	*	*	0	*	0	*	*	*	*	0	*
		5-14	6	*	*	*	*	*	*	*	*	*	*
		15-24	9	6	11	7	*	*	7	8	7	12	9
		25-34	18	18	11	18	21	28	17	14	24	21	20
		35-44	49	50	58	53	56	50	45	49	42	52	69
		45-54	293	249	232	257	195	237	226	188	175	178	191
		55-64	857	890	790	859	869	842	835	823	764	767	713
		65-74	1,424	1,449	1,423	1,552	1,644	1,636	1,605	1,569	1,669	1,715	1,661
		75-84	1,470	1,461	1,393	1,499	1,516	1,574	1,638	1,739	1,730	1,755	1,836
		85+	775	795	799	854	925	915	957	899	1,003	945	986
	Female	<1	*	0	0	0	0	0	0	*	*	0	0
		1-4	*	*	*	*	*	*	*	*	*	*	0
		5-14	*	*	7	*	*	*	*	*	*	*	7
		15-24	*	*	7	*	*	*	*	*	*	6	9
		25-34	29	19	12	17	16	13	28	21	16	10	20
		35-44	75	71	62	64	69	64	70	54	61	72	72
		45-54	252	265	266	227	217	187	225	204	213	239	197
		55-64	701	721	649	720	758	668	661	684	684	677	715
		65-74	1,117	1,163	1,128	1,234	1,253	1,273	1,203	1,325	1,272	1,305	1,332
		75-84	1,108	1,161	1,067	1,266	1,196	1,231	1,232	1,295	1,422	1,442	1,454
		85+	765	790	736	823	840	826	806	839	880	814	935

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Hispanic or Latino	Total	<1	0	0†	0†	0	0†	0†	0†	0	0	0†	0	
		1-4	0†	10	0†	0†	0†	0†	0†	0†	0†	0†	0†	0†
		5-14	13	8	7	0†	7	10	11	12	10†	9	0†	
		15-24	12	14	22	16	19	11	11	17	22	13	17	
		25-34	26	33	26	20	22	24	24	29	31	37	23	
		35-44	60	73	45	63	68	64	56	61	69	78	73	
		45-54	159	155	124	178	170	170	174	144	155	158	171	
		55-64	252	290	265	308	283	291	311	365	356	346	339	
		65-74	270	306	312	329	340	366	387	458	435	496	458	
		75-84	288	312	303	336	294	310	381	381	373	368	423	
		85+	151	147	150	133	198	171	206	198	208	187	214	
	Male	<1	0	0	0	0	*	0	0	0	0	0	0	0
		1-4	*	8	0	*	*	*	*	*	*	*	*	*
		5-14	*	*	*	*	*	*	*	7	*	*	*	
		15-24	8	8	13	9	8	*	11	9	18	10	13	
		25-34	13	22	14	11	8	12	11	19	15	21	13	
		35-44	23	27	13	32	21	24	23	26	34	34	34	
		45-54	73	75	64	85	101	77	86	68	77	64	82	
		55-64	153	149	156	166	170	163	165	207	193	181	192	
		65-74	158	153	169	193	208	206	216	244	232	267	241	
		75-84	158	166	170	193	154	167	211	192	193	188	220	
		85+	83	64	75	74	110	80	106	95	93	97	106	
	Female	<1	0	*	*	0	*	*	*	0	0	*	0	
		1-4	0	*	*	0	*	*	*	*	*	*	*	
		5-14	9	*	*	0	*	6	6	*	*	*	*	
		15-24	*	6	9	7	11	6	0	8	*	*	*	
		25-34	13	11	12	9	14	12	13	10	16	16	10	
		35-44	37	46	32	31	47	40	33	35	35	44	39	
		45-54	86	80	60	93	69	93	88	76	78	94	89	
		55-64	99	141	109	142	113	128	146	158	163	165	147	
		65-74	112	153	143	136	132	160	171	214	203	229	217	
		75-84	130	146	133	143	140	143	170	189	180	180	203	
		85+	68	83	75	59	88	91	100	103	115	90	108	

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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†	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†	0†	0	0	0†
		25-34	10†	6	10†	0†	0†	0†	0†	0†	6	10†	0†	6
		35-44	14	11	12	13	14	11	19	18	19	19	24	19
		45-54	37	44	34	35	30	40	38	40	31	36	52	
		55-64	96	76	76	86	91	119	105	114	121	106	114	
		65-74	93	89	98	105	129	116	105	138	143	149	159	
		75-84	56	78	58	59	77	74	73	92	113	99	109	
		85+	22	29	26	29	35	26	46	47	36	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	0
		5-14	*	0	0	0	0	0	*	*	*	0	0	0
		15-24	0	*	0	*	0	0	*	*	0	0	0	*
		25-34	*	*	*	*	*	*	*	*	*	*	0	*
		35-44	9	*	*	7	*	*	*	10	9	10	10	10
		45-54	23	25	13	16	17	11	19	16	11	16	19	
		55-64	54	38	35	42	54	65	53	55	63	45	47	
		65-74	59	47	55	61	74	71	58	84	87	80	88	
		75-84	29	41	29	34	45	38	50	54	65	42	61	
		85+	9	10	11	14	19	*	22	24	20	14	12	
	Female	<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
		5-14	0	0	0	0	0	0	0	0	0	0	0	*
		15-24	*	*	0	*	0	*	0	*	0	0	0	0
		25-34	*	*	*	*	*	0	0	*	*	*	*	*
		35-44	*	8	10	6	9	6	15	8	10	14	9	
		45-54	14	19	21	19	13	29	19	24	20	20	33	
		55-64	42	38	41	44	37	54	52	59	58	61	67	
		65-74	34	42	43	44	55	45	47	54	56	69	71	
		75-84	27	37	29	25	32	36	23	38	48	57	48	
		85+	13	19	15	15	16	21	24	23	16	22	24	

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	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†	0†	0†	10†	0†
		25-34	8	9	0†	8	0†	10†	0†	6	8	9	0†	
		35-44	9	14	6	12	9	11	15	20	14	20	20	
		45-54	19	28	23	30	21	27	31	34	20	26	24	
		55-64	56	54	54	49	62	58	64	78	58	72	68	
		65-74	60	55	50	63	48	67	64	93	66	94	89	
		75-84	40	51	60	62	42	57	60	59	72	64	83	
		85+	20	31	24	30	36	36	31	33	33	36	52	
	Male	<1	0	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	0	0
		15-24	*	0	*	*	0	*	*	*	*	*	*	*
		25-34	*	*	*	*	*	*	*	*	*	*	*	*
		35-44	*	*	*	6	*	*	7	7	*	9	8	
		45-54	9	16	11	13	11	10	16	15	8	13	14	
		55-64	29	30	25	25	34	30	32	45	35	31	33	
		65-74	33	19	33	26	23	31	32	48	34	37	47	
		75-84	20	22	32	31	17	23	37	28	37	33	48	
		85+	7	15	12	15	15	10	18	21	16	17	18	
	Female	<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
		5-14	*	*	*	0	0	*	*	0	*	*	0	0
		15-24	0	0	0	0	*	0	*	0	*	*	0	0
		25-34	*	*	*	*	*	*	*	*	*	*	*	*
		35-44	6	9	*	6	6	6	8	13	12	11	12	
		45-54	10	12	12	17	10	17	15	19	12	13	10	
		55-64	27	24	29	24	28	28	32	33	23	41	35	
		65-74	27	36	17	37	25	36	32	45	32	57	42	
		75-84	20	29	28	31	25	34	23	31	35	31	35	
		85+	13	16	12	15	21	26	13	12	17	19	34	

TABLE 11 (continued)
NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	0†
		15-24	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†
		35-44	8	8	8	0†	7	9	9	9	9	7	14	12
		45-54	23	9	22	10	20	23	22	28	22	23	35	
		55-64	34	20	27	38	54	39	41	45	50	48	45	
		65-74	38	35	40	54	41	47	65	63	55	72	82	
		75-84	25	46	30	52	48	48	52	58	55	67	68	
		85+	15	17	18	22	24	33	35	30	33	30	37	
	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	*	*
		25-34	*	*	*	*	*	*	*	*	*	0	0	*
		35-44	*	*	*	*	*	*	*	*	*	*	6	7
		45-54	7	*	10	*	6	11	9	12	10	10	14	
		55-64	17	11	16	18	26	17	16	21	20	18	23	
		65-74	17	19	16	26	16	22	31	30	23	32	34	
		75-84	11	23	14	23	27	27	27	27	31	31	23	
		85+	8	10	*	14	*	16	12	15	10	12	17	
	Female	<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
		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	*	*	7	*	*	7	6	*	*	8	*	
		45-54	16	7	12	6	14	12	13	16	12	13	21	
		55-64	17	9	11	20	28	22	25	24	30	30	22	
		65-74	21	16	24	28	25	25	34	33	32	40	48	
		75-84	14	23	16	29	21	21	25	31	24	36	45	
		85+	7	7	14	8	19	17	23	15	23	18	20	

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, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
All groups	Total	<1	**	6.7	7.1	**	**	6.8	**	**	9.9	**	8.9	
		1-4	**	**	**	**	**	**	**	**	0.0	**	**	**
		5-14	**	**	**	**	**	**	**	**	**	**	**	0.7
		15-24	1.1	1.9	2.0	1.6	1.4	1.0	1.9	1.2	1.8	1.5	1.6	
		25-34	6.5	6.7	5.9	7.0	5.5	6.9	6.0	6.5	8.3	6.1	5.8	
		35-44	19.3	17.3	19.5	18.9	16.0	20.9	18.5	20.0	25.7	25.5	21.7	
		45-54	58.7	58.9	55.5	61.4	66.8	58.0	60.9	63.5	70.2	72.9	68.4	
		55-64	161.2	156.8	142.4	166.0	168.8	162.8	161.5	155.5	179.1	173.5	174.6	
		65-74	333.4	324.3	291.7	317.1	330.7	329.7	326.8	319.2	378.6	363.6	362.1	
		75-84	905.1	876.0	788.6	866.8	869.3	886.0	862.6	841.5	915.8	928.2	925.4	
	85+	3697.3	3649.0	3286.6	3506.4	3496.1	3464.3	3460.7	3344.8	3606.7	3562.4	3450.5		
	Male	<1	**	**	**	**	**	**	**	**	**	**	0.0	**
		1-4	**	0.0	**	**	**	**	**	**	0.0	**	**	**
		5-14	**	**	0.0	0.0	**	**	**	**	**	**	**	**
		15-24	**	2.9	2.7	2.0	1.6	1.2	2.8	1.2	2.0	2.0	2.6	
		25-34	9.0	8.7	8.5	8.6	7.6	9.7	7.4	8.8	10.9	7.6	7.7	
		35-44	25.5	25.1	25.9	25.1	22.2	28.1	25.6	29.1	37.8	36.7	31.6	
		45-54	87.8	86.1	78.4	91.1	95.3	84.9	87.7	92.4	103.7	103.3	99.9	
		55-64	235.3	243.5	216.0	250.0	251.0	249.4	240.4	230.5	269.1	262.1	264.5	
		65-74	470.7	458.7	418.1	437.5	474.5	474.4	459.7	441.4	528.5	527.5	510.8	
		75-84	1124.5	1103.6	1000.1	1077.2	1065.8	1097.5	1090.7	1074.6	1147.9	1183.7	1182.7	
	85+	4200.5	4201.5	3630.0	3873.8	3967.4	3830.7	3771.5	3635.5	3887.8	3820.7	3666.6		
	Female	<1	**	**	**	**	**	**	**	**	**	15.2	**	**
		1-4	**	**	**	**	0.0	0.0	**	**	0.0	**	0.0	0.0
		5-14	**	**	**	**	**	**	0.0	**	**	**	**	**
		15-24	**	**	1.3	**	**	**	**	**	1.3	1.5	**	**
		25-34	3.8	4.5	3.0	5.3	3.2	4.0	4.5	4.0	5.4	4.5	3.8	
		35-44	12.9	9.2	13.1	12.7	9.8	13.5	11.2	10.6	13.3	14.0	11.6	
		45-54	30.1	32.1	33.0	32.1	38.8	31.5	34.6	35.1	37.3	43.0	37.4	
		55-64	94.0	78.3	75.8	90.0	94.5	84.4	89.9	87.2	96.7	92.3	92.2	
		65-74	210.8	204.7	178.7	209.8	202.8	201.2	209.1	211.8	247.6	221.1	232.8	
		75-84	718.1	680.3	604.1	682.5	697.3	701.3	663.1	637.6	714.4	706.6	702.1	
	85+	3405.9	3324.4	3075.7	3274.9	3189.4	3221.6	3248.3	3143.2	3407.0	3375.5	3294.1		

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	**	1.3	2.1	**	1.7	1.4	2.7	1.9	1.5	**	1.9	
		25-34	5.5	6.2	6.2	6.6	5.5	6.3	7.3	5.8	6.6	4.6	3.5	
		35-44	20.2	18.5	22.0	19.1	17.7	24.4	19.9	19.4	25.3	24.7	21.2	
		45-54	66.3	65.7	60.9	69.3	74.5	63.2	64.3	63.1	70.1	74.4	72.3	
		55-64	167.9	168.5	152.2	174.9	182.5	168.9	167.3	163.0	183.1	178.8	177.0	
		65-74	337.6	325.8	294.1	315.5	333.8	329.1	323.5	314.7	377.3	363.6	358.7	
		75-84	912.1	888.1	789.5	879.4	880.2	889.1	870.8	852.2	918.4	943.8	938.8	
	85+	3812.8	3777.4	3437.7	3670.8	3630.8	3618.2	3607.4	3496.5	3748.4	3723.2	3604.8		
	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	
		5-14	**	0.0	0.0	0.0	0.0	**	0.0	**	0.0	0.0	**	
		15-24	**	**	2.7	**	**	**	3.7	**	**	**	**	2.8
		25-34	7.8	9.1	7.8	7.3	6.9	8.9	8.4	7.5	7.5	5.7	2.4	
		35-44	27.9	27.6	29.9	25.0	23.5	31.2	28.3	29.8	37.7	33.8	29.3	
		45-54	99.6	96.2	86.0	102.3	105.5	94.8	94.0	96.3	102.6	100.0	104.9	
		55-64	248.9	259.1	235.4	268.1	274.3	256.4	250.0	243.0	274.0	270.7	266.1	
		65-74	478.5	460.4	417.6	440.2	474.2	473.4	452.6	435.6	518.8	527.5	502.0	
		75-84	1137.5	1128.3	994.6	1089.2	1085.5	1103.2	1108.1	1079.0	1142.8	1201.3	1200.5	
	85+	4354.2	4339.8	3755.7	4080.6	4110.0	3932.2	3908.5	3754.7	3984.2	3916.2	3786.1		
	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	3.2	3.2	4.6	5.9	4.1	3.6	6.2	4.0	5.7	3.5	4.7	
		35-44	12.2	9.0	13.7	12.9	11.7	17.3	11.2	8.7	12.4	15.4	12.9	
		45-54	33.5	35.5	36.2	36.5	43.7	31.7	34.6	29.8	37.3	48.8	39.6	
		55-64	94.4	86.2	76.6	90.2	99.0	89.2	91.8	89.7	99.6	94.2	94.8	
		65-74	209.4	204.0	181.5	202.3	206.7	198.7	207.3	206.5	251.3	218.7	232.1	
		75-84	714.6	676.2	605.2	689.6	694.3	695.7	655.9	646.9	716.8	712.5	703.7	
	85+	3496.4	3443.5	3239.3	3407.8	3312.6	3405.6	3396.3	3311.3	3574.7	3578.3	3468.6		

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	0.0	
		5-14	**	**	0.0	**	**	**	**	**	**	**	0.0	0.0
		15-24	**	1.9	1.8	**	**	**	**	**	**	1.5	1.9	**
		25-34	7.8	4.4	4.7	5.7	3.4	3.9	2.6	4.4	5.8	5.1	4.5	
		35-44	14.1	16.0	11.0	14.2	12.2	10.3	11.9	13.9	20.2	19.9	13.9	
		45-54	37.8	34.6	39.6	38.5	46.2	37.8	44.9	49.3	48.9	51.7	47.0	
		55-64	130.6	113.9	111.7	116.0	106.6	108.7	120.0	101.5	130.8	133.0	143.4	
		65-74	280.1	290.7	264.0	317.2	300.4	276.5	279.6	263.5	321.4	333.4	313.9	
		75-84	820.5	772.8	800.6	849.4	790.7	838.6	757.1	738.8	805.3	800.9	802.3	
	85+	3102.7	2843.6	2746.7	2579.2	2766.2	2555.7	2867.9	2503.3	2941.7	2759.5	2740.2		
	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	0.0	0.0
		5-14	0.0	0.0	0.0	0.0	**	**	**	**	**	**	0.0	0.0
		15-24	**	3.2	**	**	**	**	**	**	**	**	2.9	**
		25-34	11.9	4.6	6.9	6.8	6.0	5.2	3.9	5.3	6.8	6.1	8.5	
		35-44	15.3	20.2	15.0	21.4	18.2	15.0	17.7	19.1	32.0	27.7	22.3	
		45-54	55.1	49.3	57.5	54.2	66.8	53.4	63.6	68.6	76.2	79.3	71.0	
		55-64	189.0	183.7	163.6	175.7	152.8	177.3	183.7	155.4	198.1	199.6	225.6	
		65-74	401.5	415.6	386.4	423.1	443.0	396.2	416.5	383.4	465.3	479.5	460.3	
		75-84	973.2	921.0	1075.9	1070.8	935.2	1016.1	954.7	967.3	1001.2	1009.9	975.4	
	85+	3314.7	3134.7	3095.6	2417.6	3198.8	3027.0	3140.9	2973.7	3471.0	3156.7	2872.3		
	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	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	**	4.1	**	4.6	**	**	**	3.5	4.6	3.9	0.0	
		35-44	12.8	11.8	7.1	7.0	6.3	5.5	6.0	8.5	7.9	11.7	5.1	
		45-54	20.8	20.0	22.0	23.1	25.9	22.7	26.7	30.7	22.7	25.2	24.0	
		55-64	76.6	49.4	64.0	61.4	64.3	46.1	61.7	51.7	68.7	71.4	67.2	
65-74		178.3	185.0	160.6	227.0	178.0	173.1	161.4	160.7	197.9	208.1	188.4		
75-84		705.5	659.7	591.1	683.0	682.4	705.3	607.1	564.1	656.3	642.2	670.7		
85+	2982.8	2676.9	2542.1	2673.3	2505.3	2271.7	2698.4	2220.9	2623.8	2516.3	2659.3			

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	0.0	
		5-14	0.0	**	0.0	0.0	**	0.0	0.0	**	**	0.0	**	**
		15-24	**	**	**	**	**	**	**	**	**	**	**	**
		25-34	**	26.5	**	12.5	**	13.3	**	11.8	19.2	18.3	16.5	
		35-44	47.7	18.5	35.0	51.7	16.6	50.7	26.6	51.3	57.5	49.4	64.0	
		45-54	94.7	128.1	102.0	86.8	125.5	93.7	94.0	139.9	169.4	182.4	116.3	
		55-64	245.7	231.2	208.8	330.6	310.3	301.6	252.0	270.3	319.1	291.0	320.7	
		65-74	552.9	612.6	407.1	534.9	515.6	436.8	435.8	555.7	570.8	561.2	615.6	
		75-84	1316.2	1227.6	1015.1	970.9	1068.7	896.5	1027.0	1092.2	1252.8	1096.2	1109.0	
	85+	3375.0	3827.0	1928.0	3434.5	3639.8	3308.7	3262.6	3189.9	3519.6	2942.2	3030.3		
	Male	<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	**	**
		15-24	**	**	**	**	**	0.0	**	**	**	**	**	**
		25-34	**	**	**	**	**	**	**	**	**	26.6	25.4	16.6
		35-44	63.5	34.1	33.3	45.9	**	69.6	25.2	56.9	62.4	75.0	73.7	
		45-54	136.0	172.4	118.7	123.2	183.8	129.4	112.2	149.9	214.9	235.4	140.6	
		55-64	295.5	363.2	254.2	378.3	418.6	385.6	292.1	326.8	440.7	413.2	432.4	
		65-74	627.1	853.6	557.1	645.8	722.7	572.2	523.7	613.0	790.5	745.2	822.9	
		75-84	1364.6	1578.0	1211.9	1229.9	1229.8	1057.4	1191.2	1079.6	1783.0	1595.4	1449.6	
	85+	3885.9	4941.0	2500.0	3724.9	3355.7	3897.7	3337.2	3301.4	3164.0	3389.8	4074.1		
	Female	<1	0.0	**	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0
		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	0.0
		25-34	**	32.0	0.0	**	**	**	**	**	**	**	**	**
		35-44	**	0.0	37.0	58.3	**	29.4	28.2	45.0	52.1	**	53.3	
		45-54	48.6	78.4	83.6	46.1	61.6	54.5	74.2	129.3	121.3	126.5	90.8	
		55-64	194.4	96.6	162.2	281.5	198.6	215.1	210.4	212.1	194.4	165.5	206.0	
65-74		485.8	394.3	271.4	432.3	325.7	312.1	357.5	505.1	377.9	396.1	429.7		
75-84		1278.0	945.4	853.5	758.0	935.6	765.1	899.9	1102.2	831.0	703.6	841.1		
85+	3149.1	3333.1	1652.9	3279.9	3791.1	2981.0	3221.7	3126.9	3736.1	2682.0	2423.3			

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
American Indian or Alaska Native	Total	<1	0.0	**	0.0	0.0	0.0	**	0.0	0.0	**	0.0	0.0	
		1-4	0.0	0.0	0.0	**	0.0	**	0.0	0.0	0.0	0.0	0.0	
		5-14	0.0	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	24.2	
		35-44	32.3	18.7	41.0	31.8	34.3	39.3	49.6	43.4	52.5	56.9	45.4	
		45-54	57.8	62.8	44.0	100.2	70.9	102.9	94.6	99.1	106.7	117.0	143.5	
		55-64	141.5	134.9	94.0	151.4	164.0	161.4	155.5	171.9	218.3	242.9	197.7	
		65-74	354.3	300.9	365.4	315.6	387.4	383.7	418.3	357.9	502.2	360.3	401.4	
		75-84	965.6	879.5	733.8	727.8	1005.8	1073.7	743.8	827.6	1092.7	775.8	954.6	
	85+	2177.7	2443.4	1772.8	1923.9	2374.4	2535.4	2028.5	2206.4	2269.3	2489.3	2493.0		
	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	**
		15-24	**	**	**	**	0.0	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	**	39.9	
		35-44	44.0	**	52.0	47.6	53.1	46.4	68.3	78.5	79.9	95.2	82.8	
		45-54	81.1	98.1	67.7	174.9	88.0	156.5	125.4	121.1	153.0	201.4	251.7	
		55-64	189.9	222.5	113.2	195.9	220.7	227.7	219.1	229.1	382.0	402.6	317.9	
		65-74	449.6	360.1	588.0	413.4	625.3	522.8	493.4	423.1	668.5	551.1	532.5	
		75-84	1401.2	857.6	987.6	909.7	1341.4	1561.5	833.6	1297.1	1461.2	858.6	1412.8	
	85+	2183.3	3651.2	2890.2	2291.0	2957.3	3771.7	2158.3	2390.4	3319.5	3424.7	3285.0		
	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	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	36.6	31.1	**	33.5	55.8	55.4	67.2	79.4	65.4	41.9	47.2	
		55-64	101.1	61.9	77.7	115.8	118.4	107.9	104.0	125.6	85.2	113.1	99.9	
		65-74	278.5	253.1	186.6	239.3	202.9	276.3	359.0	306.2	371.1	211.0	298.9	
		75-84	661.3	895.2	551.0	602.6	777.1	745.1	683.5	517.7	852.7	722.2	658.1	
	85+	2174.6	1801.6	1175.0	1712.8	2044.6	1822.5	1953.8	2104.1	1682.1	1955.3	2040.8		

TABLE 12 (continued)
AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AGE GROUP, AND YEAR,
ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Asian or Pacific Islander	Total	<1	0.0	**	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	
		1-4	**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	
		5-14	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	**	**	12.3	0.0	**
		35-44	**	**	**	**	**	**	16.0	**	**	**	16.4	14.1
		45-54	**	**	22.1	19.8	18.8	24.0	33.8	32.0	46.9	34.9	41.7	
		55-64	85.0	50.3	52.5	75.5	71.0	60.8	72.8	65.9	95.8	68.4	63.9	
		65-74	216.3	181.9	128.5	137.5	128.4	222.0	215.9	244.0	138.2	173.1	184.0	
		75-84	564.9	559.5	514.4	482.9	512.5	530.2	725.9	471.0	620.6	723.0	649.9	
	85+	2420.1	2313.2	1298.7	2180.3	2229.1	2385.3	1655.2	2336.4	2296.2	2602.8	2094.9		
	Male	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**
		5-14	0.0	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	**	**	24.4	0.0	**
		35-44	**	**	**	**	**	**	**	**	**	**	29.8	29.3
		45-54	**	**	41.3	**	**	**	56.1	70.9	85.6	70.9	58.9	
		55-64	105.4	**	95.2	151.5	120.6	126.5	144.7	102.4	148.6	87.0	108.8	
		65-74	394.7	303.0	209.0	164.5	187.2	326.4	367.4	376.7	217.5	216.8	272.4	
		75-84	735.5	720.5	610.7	558.2	423.4	419.2	676.1	739.9	744.8	761.6	723.4	
	85+	2657.7	2209.8	1063.8	2792.3	2457.8	3026.3	2259.9	2300.0	2117.9	3174.6	2263.9		
	Female	<1	0.0	**	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	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	**	**	**	27.1
		55-64	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	127.9	
		75-84	452.0	451.4	448.1	428.7	575.7	611.0	761.2	281.2	537.2	696.5	599.4	
	85+	2294.7	2368.7	1424.5	1868.3	2112.7	2042.3	1319.1	2356.9	2397.1	2263.1	1994.4		

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, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
All groups	Total	<1	**	**	**	**	**	**	**	**	**	**	**	
		1-4	2.0	3.7	2.6	2.0	1.7	2.5	2.3	3.7	2.3	1.8	**	
		5-14	2.8	1.7	2.2	0.8	1.3	2.3	2.5	2.2	1.9	1.8	1.7	
		15-24	3.0	3.3	4.5	3.4	3.4	2.3	2.8	3.6	3.5	3.8	4.0	
		25-34	10.3	10.2	6.8	7.7	7.5	8.2	8.0	8.0	8.5	7.9	7.2	
		35-44	25.9	27.2	22.9	24.9	26.5	24.7	25.0	24.2	24.1	29.1	29.4	
		45-54	93.6	89.8	83.3	87.5	77.4	81.0	85.2	75.6	73.4	78.6	78.3	
		55-64	266.8	270.0	238.1	258.4	259.9	243.9	238.0	244.5	236.1	230.3	224.0	
		65-74	557.2	546.4	513.9	533.6	528.0	513.9	487.8	503.1	494.9	499.6	484.3	
		75-84	1018.3	1029.6	934.7	1008.5	941.0	934.9	936.8	928.5	932.1	893.5	920.1	
	85+	1611.7	1610.0	1461.6	1509.7	1571.6	1459.4	1508.7	1432.7	1531.3	1375.9	1492.3		
	Male	<1	**	0.0	0.0	**	**	0.0	**	0.0	0.0	0.0	0.0	**
		1-4	**	5.0	**	3.4	**	3.3	**	3.9	**	**	**	**
		5-14	2.8	1.5	2.1	**	1.5	1.9	2.3	2.7	2.1	2.1	1.3	
		15-24	3.8	3.5	5.1	3.9	3.1	2.2	4.0	4.0	5.3	4.8	5.1	
		25-34	8.8	11.2	6.6	8.0	7.2	9.9	6.6	7.8	8.7	9.0	7.7	
		35-44	20.8	20.9	18.5	23.9	20.5	20.1	19.0	21.5	20.3	24.6	27.9	
		45-54	97.7	88.5	79.1	89.7	78.8	82.6	86.0	71.8	67.7	67.7	75.3	
		55-64	312.1	309.6	275.3	293.4	298.0	285.0	273.4	280.2	262.4	249.2	236.9	
		65-74	665.5	632.2	605.0	630.6	637.8	614.5	589.9	584.5	597.4	598.8	571.8	
		75-84	1250.5	1227.6	1129.0	1174.2	1118.0	1115.1	1148.5	1121.0	1095.3	1039.8	1091.4	
	85+	2217.1	2150.1	1973.8	2005.0	2080.5	1872.5	1991.0	1803.2	1924.7	1738.0	1790.9		
	Female	<1	**	**	**	0.0	**	**	**	**	**	**	**	0.0
		1-4	**	**	4.7	**	**	**	**	3.5	**	**	**	**
		5-14	2.9	2.0	2.2	**	**	2.7	2.6	1.5	1.6	1.6	2.2	
		15-24	2.3	3.1	3.7	2.8	3.7	2.4	1.5	3.2	1.7	2.8	2.7	
		25-34	11.8	9.2	7.0	7.3	7.9	6.4	9.5	8.2	8.2	6.8	6.7	
		35-44	31.2	33.7	27.3	25.9	32.5	29.5	31.1	26.9	28.0	33.7	30.9	
		45-54	89.6	91.1	87.4	85.3	75.9	79.5	84.5	79.3	79.0	89.2	81.2	
		55-64	225.7	234.0	204.5	226.9	225.4	206.8	205.9	212.0	212.1	212.9	212.1	
		65-74	460.6	470.0	432.3	447.1	430.4	424.6	397.5	431.5	405.4	413.3	408.3	
		75-84	820.4	859.5	765.2	863.4	786.2	777.6	751.8	760.0	790.5	766.6	771.5	
	85+	1261.0	1292.7	1146.8	1197.5	1240.5	1185.8	1179.1	1175.7	1251.9	1114.0	1276.3		

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP,
AND YEAR, ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
White non-Hispanic	Total	<1	**	0.0	0.0	**	0.0	0.0	**	**	**	0.0	0.0	
		1-4	**	**	**	**	**	**	4.2	4.3	4.4	**	**	
		5-14	2.0	1.7	3.1	**	**	2.4	2.6	**	2.7	1.9	2.6	
		15-24	3.2	2.5	4.2	2.8	2.4	1.7	2.9	3.1	2.4	4.4	4.3	
		25-34	10.4	8.2	5.1	7.7	8.1	8.9	9.7	7.5	8.6	6.6	8.3	
		35-44	27.3	26.7	26.9	26.5	28.7	26.2	26.3	23.3	23.2	27.6	30.9	
		45-54	101.2	97.4	94.5	93.4	80.5	83.2	89.8	79.8	81.2	88.2	80.6	
		55-64	281.1	290.0	252.4	275.3	281.1	256.3	251.8	251.9	243.9	243.2	236.4	
		65-74	580.4	569.6	531.0	554.5	554.2	532.7	502.7	507.7	510.6	506.0	492.9	
		75-84	1050.2	1041.9	949.7	1028.6	973.9	960.3	949.2	940.9	949.1	916.0	926.7	
	85+	1637.0	1634.0	1491.0	1570.4	1594.1	1503.1	1531.8	1466.1	1575.1	1423.1	1528.3		
	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	**
		5-14	2.9	**	**	**	**	**	**	**	**	**	**	**
		15-24	3.9	2.6	5.0	3.2	**	**	3.3	3.7	3.3	5.6	4.2	
		25-34	7.8	7.8	4.7	7.7	9.0	11.8	7.1	5.8	9.9	8.6	8.0	
		35-44	21.0	21.6	25.5	23.6	25.3	22.6	20.2	21.8	18.6	22.8	29.7	
		45-54	109.7	94.7	88.7	99.6	76.5	93.2	90.0	76.4	73.0	75.1	79.2	
		55-64	324.7	336.6	291.1	314.6	315.3	299.9	294.4	287.7	268.7	269.3	246.1	
		65-74	682.7	665.1	620.9	649.5	661.8	631.2	606.3	582.7	615.4	612.5	583.1	
		75-84	1282.3	1238.5	1136.6	1173.7	1146.0	1135.7	1140.1	1135.1	1100.8	1062.6	1092.8	
	85+	2233.3	2200.3	2020.7	2046.3	2093.5	1956.5	2017.5	1815.8	1978.3	1782.7	1829.0		
	Female	<1	**	0.0	0.0	0.0	0.0	0.0	0.0	**	**	0.0	0.0	
		1-4	**	**	**	**	**	**	**	**	**	**	**	0.0
		5-14	**	**	3.7	**	**	**	**	**	**	**	**	3.8
		15-24	**	**	3.4	**	**	**	**	**	**	**	3.0	4.4
		25-34	13.1	8.6	5.5	7.7	7.2	5.8	12.4	9.2	7.1	4.4	8.6	
		35-44	33.8	32.1	28.4	29.6	32.2	29.9	32.5	24.8	28.0	32.6	32.1	
		45-54	92.9	100.0	100.2	87.2	84.6	73.3	89.5	83.2	89.4	101.3	82.1	
		55-64	241.4	247.7	217.2	239.6	250.1	216.6	212.8	219.1	221.1	219.1	227.5	
65-74		487.3	483.1	449.0	468.4	456.8	443.8	409.4	440.6	417.4	411.9	413.2		
75-84		846.8	868.4	781.8	897.2	818.1	801.9	776.3	765.1	812.9	784.3	777.5		
85+	1288.4	1297.9	1160.7	1265.1	1262.5	1196.0	1191.2	1215.3	1278.2	1153.1	1302.5			

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP,
AND YEAR, ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Hispanic or Latino	Total	<1	0.0	**	**	0.0	**	**	**	0.0	0.0	**	0.0	
		1-4	**	6.7	**	**	**	**	**	**	**	**	**	**
		5-14	3.4	2.0	1.9	**	1.7	2.5	2.7	2.9	**	2.2	**	
		15-24	3.4	3.9	6.5	4.2	4.9	2.8	2.7	4.2	5.4	3.2	4.1	
		25-34	8.8	11.1	9.3	6.4	6.9	7.2	6.9	8.0	8.5	9.9	6.0	
		35-44	22.8	27.1	17.8	22.3	23.7	21.9	18.5	19.7	22.4	25.0	23.0	
		45-54	79.2	74.5	62.2	79.8	74.1	72.3	71.6	57.7	61.7	61.4	65.4	
		55-64	200.6	218.8	205.5	210.2	182.8	179.7	182.1	204.6	195.6	183.3	176.7	
		65-74	415.6	438.2	452.6	415.8	402.1	404.7	403.8	450.3	413.7	444.5	403.9	
		75-84	919.5	949.2	933.0	935.8	780.0	785.4	912.8	858.1	798.9	746.2	844.2	
	85+	1572.2	1421.8	1373.4	1075.4	1452.8	1165.4	1339.7	1226.8	1321.6	1126.7	1269.3		
	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	**	10.5	0.0	**	**	**	**	**	**	**	**	**
		5-14	**	**	**	**	**	**	**	3.3	**	**	**	
		15-24	4.4	4.3	7.4	4.6	4.0	**	5.3	4.3	8.7	4.8	6.1	
		25-34	8.6	14.4	9.7	6.8	4.8	6.9	6.1	10.1	7.9	10.7	6.5	
		35-44	17.6	20.2	10.3	22.8	14.7	16.4	15.1	16.6	21.8	21.4	21.1	
		45-54	73.1	72.6	64.5	76.7	88.8	66.3	71.9	55.5	62.5	50.8	64.0	
		55-64	253.7	234.0	252.7	237.1	229.8	210.9	202.1	241.9	220.9	199.6	208.2	
		65-74	533.1	478.1	535.3	530.2	532.6	491.6	486.3	519.7	477.7	518.4	460.3	
		75-84	1173.8	1167.1	1211.3	1252.5	953.7	986.5	1171.1	998.5	956.6	883.0	1017.0	
	85+	2392.4	1700.2	1857.4	1626.4	2145.5	1450.1	1799.7	1569.5	1574.7	1538.7	1654.7		
	Female	<1	0.0	**	**	0.0	**	**	**	**	0.0	0.0	**	0.0
		1-4	0.0	**	**	0.0	**	**	**	**	**	**	**	**
		5-14	4.8	**	**	0.0	**	3.0	3.0	**	**	**	**	
		15-24	**	3.5	5.5	3.8	5.8	3.1	0.0	4.0	**	**	**	
		25-34	9.1	7.6	8.9	5.9	9.1	7.6	7.8	5.8	9.2	8.9	5.5	
		35-44	27.9	33.9	25.2	21.8	32.7	27.4	22.0	22.9	23.1	28.7	25.0	
		45-54	85.2	76.4	59.9	82.8	59.7	78.1	71.3	59.8	60.9	71.7	66.8	
		55-64	151.6	204.7	162.1	185.6	139.8	151.2	163.7	170.2	172.3	168.3	147.5	
65-74		317.0	404.4	382.7	318.3	290.0	329.7	332.5	390.8	358.7	381.2	355.4		
75-84		727.9	783.0	721.3	697.7	649.9	634.3	716.7	750.9	678.9	642.2	712.9		
85+	1108.4	1262.4	1089.5	754.7	1035.1	993.9	1054.1	1021.2	1169.5	874.4	1033.1			

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP,
AND YEAR, ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	**	
		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	**	
		15-24	**	**	0.0	**	0.0	**	**	**	**	0.0	0.0	**
		25-34	**	14.5	**	**	**	**	**	**	10.1	**	**	9.0
		35-44	37.1	29.0	26.3	32.0	33.2	25.3	42.2	38.5	39.0	47.4	36.9	
		45-54	106.2	125.2	84.6	95.0	80.1	104.1	96.5	100.0	76.1	85.3	121.0	
		55-64	399.7	302.9	264.4	305.7	306.9	381.9	318.8	331.3	341.7	288.3	304.7	
		65-74	791.1	708.1	664.9	693.4	782.5	649.6	551.4	684.7	669.0	648.2	679.7	
		75-84	1052.9	1408.2	905.8	909.2	1127.2	1005.2	949.0	1104.2	1275.4	1053.6	1140.4	
	85+	1455.9	1913.5	1319.1	1443.5	1633.2	1131.9	1876.0	1806.3	1306.2	1246.1	1225.7		
	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	
		15-24	0.0	**	0.0	**	0.0	0.0	**	**	0.0	0.0	**	
		25-34	**	**	**	**	**	**	**	**	**	**	0.0	**
		35-44	44.0	**	**	32.1	**	**	**	**	40.6	35.1	37.5	36.9
		45-54	125.2	134.7	61.7	82.1	86.8	54.7	92.7	77.4	52.5	73.9	86.2	
		55-64	443.3	300.0	240.4	294.2	358.8	410.9	316.0	315.4	351.5	241.5	247.8	
		65-74	1057.1	786.6	785.6	838.1	938.3	829.1	646.3	887.8	870.5	736.0	795.7	
		75-84	1236.7	1658.9	1004.2	1161.6	1456.3	1148.0	1489.0	1457.5	1655.6	1015.2	1449.6	
	85+	1943.0	2148.3	1718.8	2005.7	2550.3	**	2531.6	2555.9	1917.5	1318.3	1111.1		
	Female	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0
		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
		25-34	**	**	**	**	**	0.0	0.0	**	**	**	**	**
		35-44	**	45.9	46.2	31.8	45.9	29.4	70.5	36.0	43.4	58.4	36.9	
		45-54	85.1	114.6	109.8	109.4	72.8	158.1	100.7	124.1	101.1	97.3	157.7	
		55-64	354.9	305.9	289.1	317.6	253.4	352.0	321.8	347.7	331.6	336.4	363.1	
65-74		550.6	637.0	555.7	559.4	639.7	484.2	466.7	505.1	492.1	569.4	575.7		
75-84		908.0	1206.2	825.0	701.9	855.4	888.5	530.7	821.3	972.8	1083.9	897.2		
85+	1240.6	1809.4	1127.0	1144.2	1144.5	1422.8	1516.1	1383.0	934.0	1204.2	1292.4			

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP,
AND YEAR, ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	**	
		5-14	**	**	**	**	0.0	**	**	**	**	**	**	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	53.4	
		45-54	52.3	76.5	53.3	88.4	62.1	79.4	91.7	102.1	62.8	82.2	74.9	
		55-64	220.1	202.4	175.0	185.5	226.0	203.5	216.4	257.9	194.8	236.4	220.3	
		65-74	442.9	384.9	304.5	423.1	304.8	401.7	366.8	512.1	360.3	483.8	452.2	
		75-84	622.9	760.3	800.5	884.8	570.9	746.4	743.8	707.7	864.6	719.6	921.3	
	85+	967.9	1402.7	967.0	1254.7	1424.6	1342.3	1164.5	1174.4	1227.7	1280.2	1825.8		
	Male	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
		15-24	**	0.0	**	**	0.0	**	**	**	**	**	**	**
		25-34	**	**	**	**	**	**	**	**	**	**	**	**
		35-44	**	**	**	35.7	**	**	39.9	39.3	**	50.4	44.2	
		45-54	52.2	92.4	53.2	81.2	69.2	62.6	100.3	95.6	53.2	87.3	92.7	
		55-64	250.3	247.3	176.8	212.9	277.9	235.5	241.8	332.5	262.2	226.9	238.4	
		65-74	549.5	297.4	451.3	398.1	334.4	426.5	415.5	597.3	420.9	433.9	544.1	
		75-84	757.4	786.1	1019.4	1084.7	570.1	748.2	1142.3	844.6	1126.3	944.5	1356.3	
	85+	955.2	1956.0	1387.3	1718.2	1642.9	1019.4	1849.9	2091.6	1659.8	1663.4	1739.1		
	Female	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	**	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0	0.0
		5-14	**	**	**	0.0	0.0	**	**	0.0	**	**	**	0.0
		15-24	0.0	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	62.0	
		45-54	52.4	62.2	53.3	94.8	55.8	94.2	83.9	107.8	71.3	77.7	59.0	
		55-64	194.9	165.0	173.4	163.5	184.2	177.7	195.8	197.4	140.0	244.1	205.7	
		65-74	358.1	455.6	186.6	442.6	281.8	382.5	328.2	444.5	312.5	522.9	380.4	
		75-84	529.0	741.7	642.8	747.2	571.4	745.1	476.4	617.3	694.0	574.1	639.9	
	85+	974.8	1108.7	742.1	988.1	1301.1	1528.5	769.7	664.5	986.1	1061.5	1875.3		

TABLE 13 (continued)
AGE-SPECIFIC MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY RACE/ETHNICITY, GENDER, AGE GROUP,
AND YEAR, ARIZONA, 2012-2022

			2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
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	24.2	
		45-54	87.8	32.9	69.3	32.9	62.6	69.0	61.9	74.7	57.3	57.4	85.9	
		55-64	180.6	100.5	118.1	168.8	225.6	158.1	157.0	164.8	177.4	164.1	151.3	
		65-74	357.3	303.1	302.4	390.7	277.2	289.9	369.3	327.1	271.5	336.9	377.2	
		75-84	523.1	887.5	497.8	810.1	702.9	652.5	662.3	682.9	609.6	692.0	690.5	
	85+	1251.8	1310.8	1113.2	1296.4	1244.2	1513.8	1413.0	1078.4	1098.2	887.3	1076.5		
	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	**	**
		25-34	**	**	**	**	**	**	**	**	**	0.0	0.0	**
		35-44	**	**	**	**	**	**	**	**	**	**	25.6	29.3
		45-54	58.4	**	68.9	**	41.2	73.0	56.1	70.9	57.1	54.5	75.0	
		55-64	224.1	134.9	169.2	194.8	261.4	165.5	144.7	179.2	165.2	142.3	178.8	
		65-74	394.7	411.2	304.0	475.2	272.2	341.9	455.5	403.7	294.2	385.4	402.6	
		75-84	577.9	1104.7	570.0	856.0	952.7	870.7	829.7	768.4	855.2	787.0	573.7	
	85+	1932.9	2209.8	**	2443.3	**	2105.3	1355.9	1500.0	920.8	952.4	1327.1		
	Female	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**	0.0	0.0	0.0
		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	**	**	30.3	**	**	31.6	26.1	**	**	31.6	**	
		45-54	112.6	47.3	69.8	36.4	80.5	65.8	66.8	77.7	57.6	59.8	95.0	
		55-64	151.2	76.6	82.1	150.7	200.2	152.8	166.1	154.0	186.7	180.7	130.3	
		65-74	331.8	231.0	301.3	335.3	280.4	255.6	314.9	279.0	257.2	306.1	361.1	
		75-84	486.8	741.6	448.1	777.1	525.7	493.5	543.7	622.6	444.6	626.9	770.7	
	85+	892.4	829.0	1329.5	711.7	1486.7	1197.2	1444.7	841.8	1198.5	848.7	927.6		

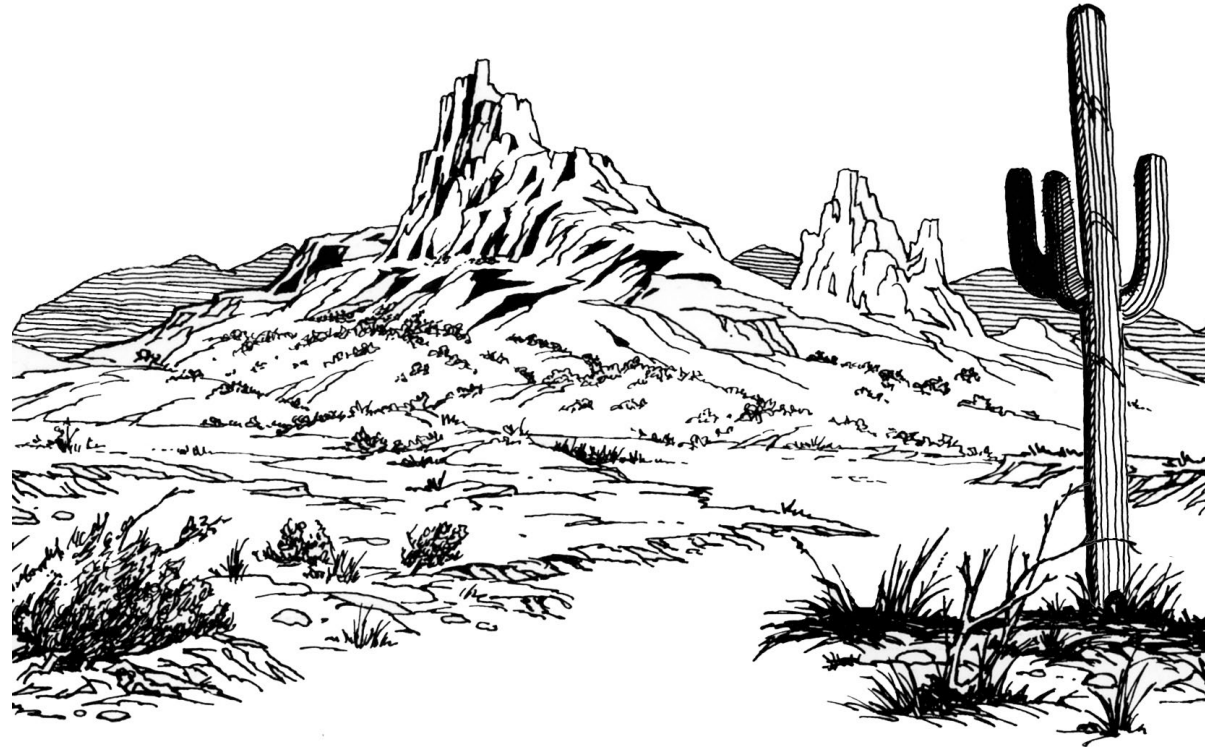
Note: ** cell suppressed due to rate based on non-zero count less than 6.

TABLE 14
RATES^a OF INPATIENT DISCHARGES WITH HEART DISEASE OR MALIGNANT NEOPLASMS (CANCER)
AS FIRST-LISTED DIAGNOSIS BY GENDER AND YEAR, ARIZONA RESIDENTS, 2012-2022

Year	Diseases of the heart	Malignant neoplasms (Cancer)	Diseases of the heart		Malignant neoplasms (Cancer)	
			M	F	M	F
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
2022	87.4	24.6	103.4	71.6	26.3	23.0

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