



HEART DISEASE VS. CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

ARIZONA RESIDENTS, 1990-2008



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**HEART DISEASE VS. CANCER:
AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS
ARIZONA RESIDENTS, 1990–2008**

by

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February 2010

ACKNOWLEDGMENT

Grateful acknowledgment is made to Richard S. Porter for reviewing the typescript.

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PURPOSE

The prediction, that “in the early 21st century cancer will displace heart disease as the leading cause of death”, was originally published in the 1990 edition of the *Arizona Health Status and Vital Statistics* report (p.90). By 2008 it has become widely recognized by a variety of influential sources ranging from the World Health Organization (“Cancer to surpass heart disease as world’s leading killer”) to the *Time* magazine (December 1, 2008, p.47), and *The Washington Post* (“By 2010, cancer will be the leading killer in the world, surpassing heart disease”, December 9, 2008). In Arizona, the relative risk of death from the two leading causes narrowed from 81 percent greater for heart disease in 1980 to 0.1 percent greater in 2008.

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 9th leading cause of death (64.0/100,000)

Both diseases of the heart and malignant neoplasm (cancer) belong to, what Omran classifies as, the degenerative diseases replacing infectious diseases in Western countries throughout the 20th century. For over 100 years the mortality from disease of the heart exceeded the mortality from cancer. However, in 2008, the mortality rate from heart disease in Arizona (145.5 deaths per 100,000 age-adjusted population) was virtually indistinguishable from the cancer mortality rate (145.4/100,000). The current stage of the epidemiologic transition is a manifestation of the gradual decline in mortality rates for diseases of the heart without the equivalent decline in the mortality rates for cancer.

METHODS AND SOURCES

Three data sources are utilized in this publication: the death certificate database, the hospital discharge database, and the population denominator databases. The death certificate database contains demographic characteristics of the deceased (age, gender, race/ethnicity marital status, educational attainment), and cause of death. For the purpose of mortality statistics, every death is attributed to one underlying condition or underlying cause of death. The underlying cause is defined as the disease or injury that initiated the chain of events leading directly to death. It is selected from up to 20 causes and conditions entered by the physician on the death certificate. The totality of all these conditions is known as multiple cause of death. 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.

¹ Abdel 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 neoplasms of colon, rectum and anus, malignant neoplasms of liver and intrahepatic bile ducts, malignant neoplasm of pancreas, malignant neoplasm of larynx, malignant neoplasms of trachea, bronchus and lung, malignant melanoma of skin, malignant neoplasm of breast, malignant neoplasm of cervix uteri, malignant neoplasms of corpus uteri and uterus, part unspecified, malignant neoplasm of ovary, malignant neoplasm of prostate, malignant neoplasms of kidney and renal pelvis, malignant neoplasm of bladder, malignant neoplasms of meninges, brain and other parts of central nervous system, malignant neoplasms 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-28, Table 2C-29, Table 5E-11) in the annually updated *Arizona Health Status and Vital Statistics* report (<http://www.azdhs.gov/plan/report/ahs/index.htm>) provide the frequency counts of deaths and mortality rates for each of the above detailed sub-categories.

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 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 hospitalizations 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 the age-adjusted mortality rates for Arizona residents for 1990-2008, as well as hospitalization rates for 1995-2008 are available online at <http://www.azdhs.gov/plan/menu/info/pd.htm>.

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 1900-2006 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-populations (or in the same population over time) by placing them all in a population with a standard age distribution. All age-adjusted mortality rates in this report were computed by the direct method that is by weighting the age-specific rates for a given year by the age distribution of a standard population. The weighted age-specific rates are then added to produce the summary rate for all ages combined. Beginning with the 2000 data year, a new population standard for the age adjustment of mortality rates has replaced the standard based on the 1940 population and used since 1943. The new standard uses the age composition of the 2000 U.S. projected population.

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 1900-1990 and 1990-2008 (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 1995-2008, with heart disease or cancer as the primary diagnoses.

SUMMARY OF FINDINGS

✓ The age-adjusted cancer mortality rate declined by 24.0 percent from 191.3 deaths per 100,000 persons in 1980 to 145.4/100,000 in 2008. The age-adjusted mortality rate for diseases of the heart decreased by 58.0 percent – 2.4 times the decline in cancer mortality rates - from 346.3 deaths per 100,000 Arizona resident population in 1980 to 145.5/100,000 in 2008. In Arizona, the relative risk of death from the two leading causes narrowed from 81 percent greater for heart disease in 1980 to 0.1 percent greater in 2008.

✓ In 1980, 2,666 more Arizonans died from diseases of the heart than cancer. In 2008, the number of deaths from heart disease exceeded the number of cancer deaths by 111.

✓ The unintended consequence of the reduction in heart disease mortality is that cancer, in the near future, will replace diseases of the heart as the leading cause of death.

✓ For the past thirteen years cancer has already been the number one cause of death among Arizonans aged 0-84 years. Beginning in 1996, the annual number of cancer deaths exceeded the number of deaths from heart disease. In 2008, 2,076 more Arizonans 0-84 years old died from cancer (8,423) than heart disease (6,347).

✓ It is only among the oldest, 85 or older, that heart disease continues to be the number one cause of death. In 2008, the elderly aged 85 years or older accounted for 15.3 percent of all deaths from cancer but 36.9 percent of all deaths from heart disease. In 2008, the median age at death from heart disease was 81 years (84 years among females, 77 years among males) and only a minority of deaths (41.0 percent; 29.1 percent among females) was premature, i.e., before reaching the expected years of life at birth for all U.S. residents (77.9 years in 2006).

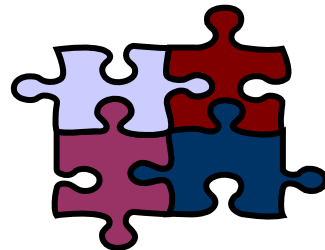
✓ In contrast, Arizona females who died from cancer in 2008 were eleven years younger (73 years), and Arizona males five years younger (72 years). With cancer becoming responsible for the absolute majority of deaths among Arizona residents the median age at death is unlikely to continue to rise as it did in the past.

✓ From 1990 to 2008, the number of deaths from cancer increased 2.3 times (132 percent) among Arizonans 85 years or older, a near 2 times greater rise than the one seen for diseases of the heart (a 68.9 percent increase).

✓ Among Asians and White non-Hispanics, the relative risk of death from cancer exceeded the mortality risk of death from heart disease in 2008.

✓ Cancer displacing heart disease as the number one killer is an excellent example of the "law of unintended effect": an unquestionable success in the control, management, treatment, and prevention of heart disease. No comparable advancement was noted for cancer, and its treatment continues to be one of the most complex aspects of medical care.

✓ The epidemiologic transition to a mortality risk greater for cancer than heart disease may result in both: 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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The cause-specific mortality rates for Arizona are not available prior to 1930 and **Figure 1** provides instead the crude death rates (the number of death from a specific cause per 100,000 resident population) for the entire United States. Already in 1900, the risk of death from diseases of the heart was more than 2 times greater than the risk of death from cancer.

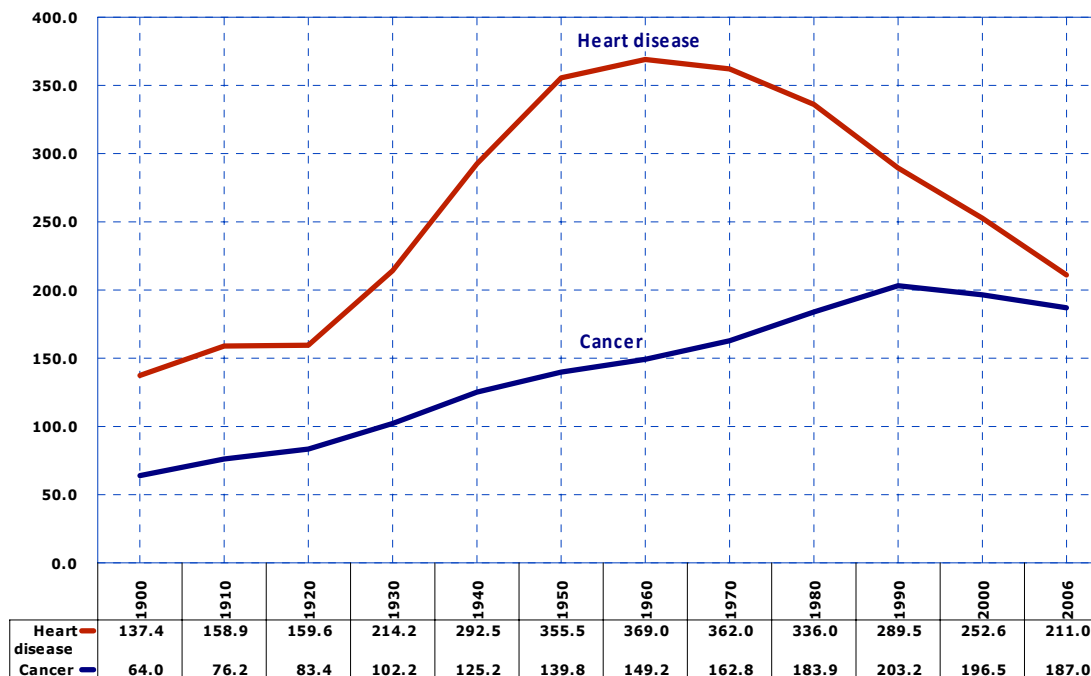
Unlike age-adjusted mortality rates, crude death rates are rather imperfect measures of changes in mortality risks over time, because they are affected by the changes in the age composition of the population at risk (increasing proportion of older persons is likely to raise the mortality rates). On the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

If a comparison of crude death 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. There were 9 such revisions in 1900-1979 (the Tenth Revision was implemented in 1999) and the comparability of cause-of-death categories, particularly for older revisions of ICD, remains questionable.*

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.

*For example, the definition of the diseases of the heart excludes diseases of coronary arteries for 1900-1920. The definition of "cancer and other malignant tumors" excludes cancer of the pancreas for 1900-1910.

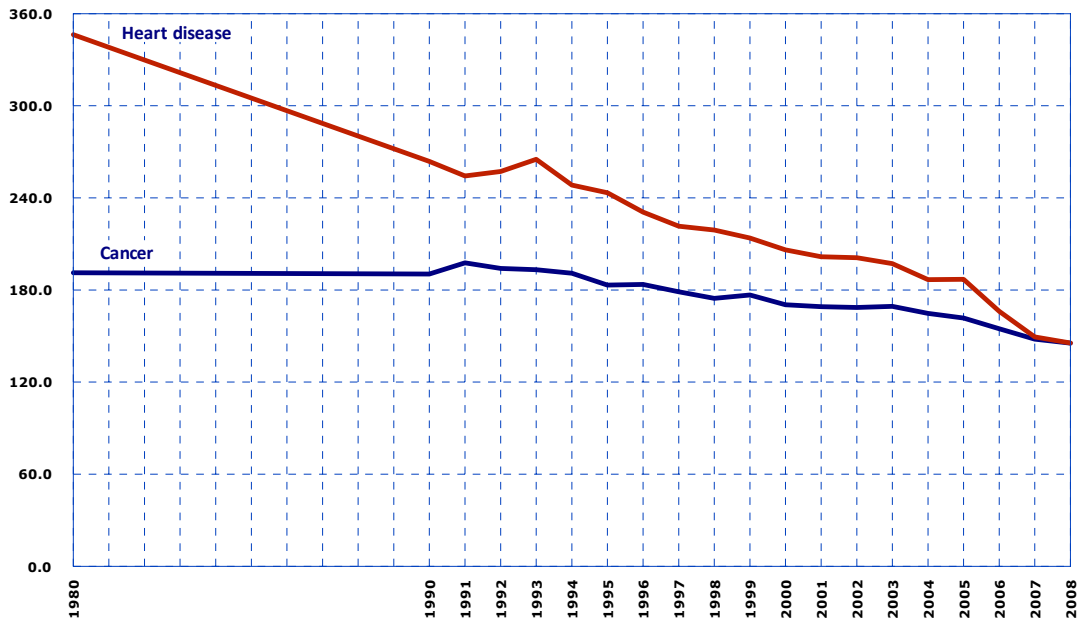
FIGURE 1
CRUDE MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), UNITED STATES, 1900-2006



Sources: *Vital Statistics Rates in the United States 1900-1940*. United States Government Printing Office. Washington: 1943. *Health, United States, 2005*. U.S. Department of Health and Human Services. Centers for Disease Control and Prevention. National Center for Health Statistics. DHHS Pub. No. 2005-1232. November 2005. *Deaths: Final Data for 2006*. National Vital Statistics Reports. Vol.57, Number 14, April 17, 2009.

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**FIGURE 2
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
ARIZONA RESIDENTS, 1980, 1990-2008**



*Adjusted to the 2000 U.S. standard. See Table 1.

All mortality rates for 1980 and 1990 - 2008 in Figure 2 - Figure 12 are not only age-adjusted but also Arizona-specific.

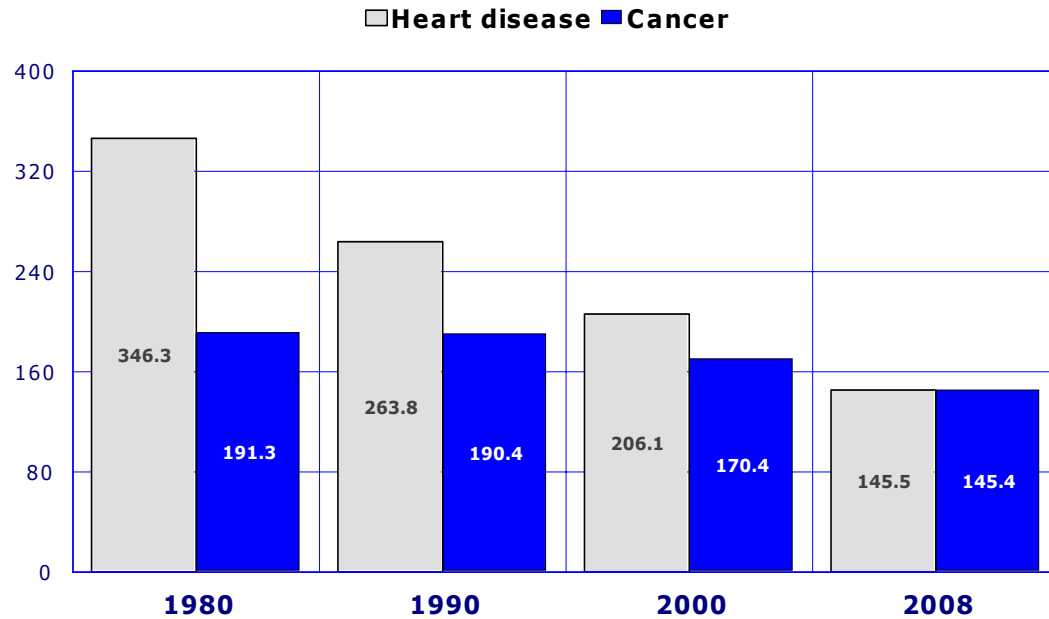
In 1980, the mortality rate for diseases of the heart (346.3 deaths per 100,000 population) exceeded by 81 percent the cancer death rate of 191.3/100,000 (**Table 1, Figure 2**).

From 1980 to 2008, the mortality rate for diseases of the heart declined by 58 percent. The cancer mortality rate declined substantially less by 24 percent during that time.

In 2008, these two cause-specific mortality rates were virtually indistinguishable: 145.5/100,000 for heart disease and 145.4/100,000 for cancer.

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FIGURE 3
COMPARISON OF AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA RESIDENTS, 1980, 1990, 2000, AND 2008



In Arizona, the relative risk of death from the two leading causes narrowed from 81 percent greater for heart disease in 1980 to 0.1 percent greater in 2008 (**Figure 3**).

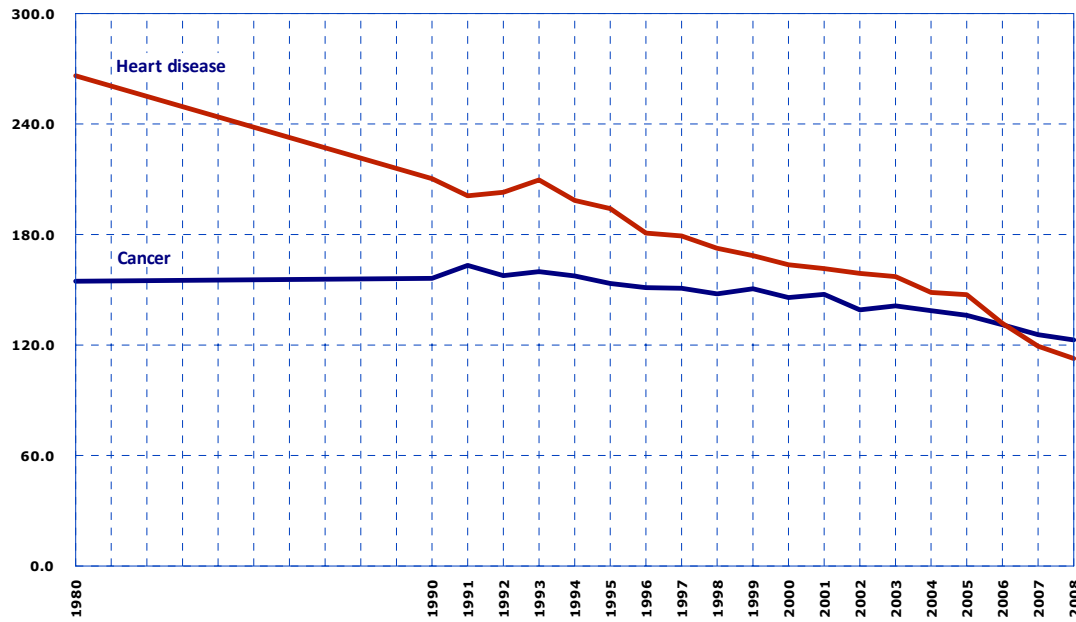
In 1980, 2,666 more Arizonans died from diseases of the heart (7,094) than cancer (4,434). In 2008, the number of deaths from heart disease exceeded the number of cancer deaths by 111.

The unintended consequence of the reduction in heart disease mortality is that cancer, in the near future, will replace diseases of the heart as the leading cause of death.

*Adjusted to the 2000 U.S. standard. See Table 1.

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**FIGURE 4
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
ARIZONA FEMALE RESIDENTS, 1980, 1990-2008**



*Adjusted to the 2000 U.S. standard. See Table 1.

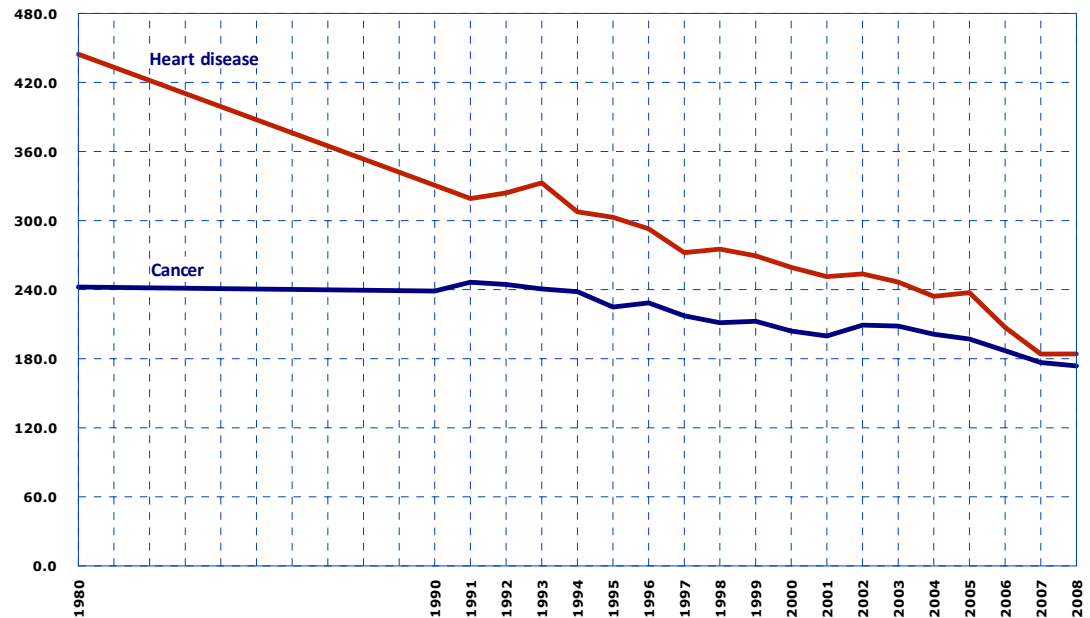
Both in 2007 and 2008, the cancer mortality rates exceeded the mortality rates for diseases of the heart among Arizona resident females (**Figure 4**). In 2008, except American Indians, cancer, not diseases of the heart, was the number one cause of death among Arizona females in all other race/ethnic groups*. Diseases of the heart were the 2nd leading cause of female mortality among Asians, Blacks or African Americans, Hispanics or Latinos, and White non-Hispanic females.

*Table 2B-4 in *Arizona Health Status and Vital Statistics 2008* report at <http://www.azdhs.gov/plan/report/ahs/ahs2008/pdf/2b4.pdf>

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In 2008, the age-adjusted mortality rate for diseases of the heart among Arizona males (184.1/100,000) exceeded by 6 percent the cancer mortality rate of 173.7/100,000 (**Figure 5**). Only among Asian males cancer was the number one cause of death in 2008*. Diseases of the heart followed by cancer were the two leading causes of death among Black, Hispanic, and White non-Hispanic males. Unintentional injury was the first leading cause of death among American Indian males, followed by diseases of the heart and cancer.

FIGURE 5
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
ARIZONA MALE RESIDENTS, 1980, 1990-2008

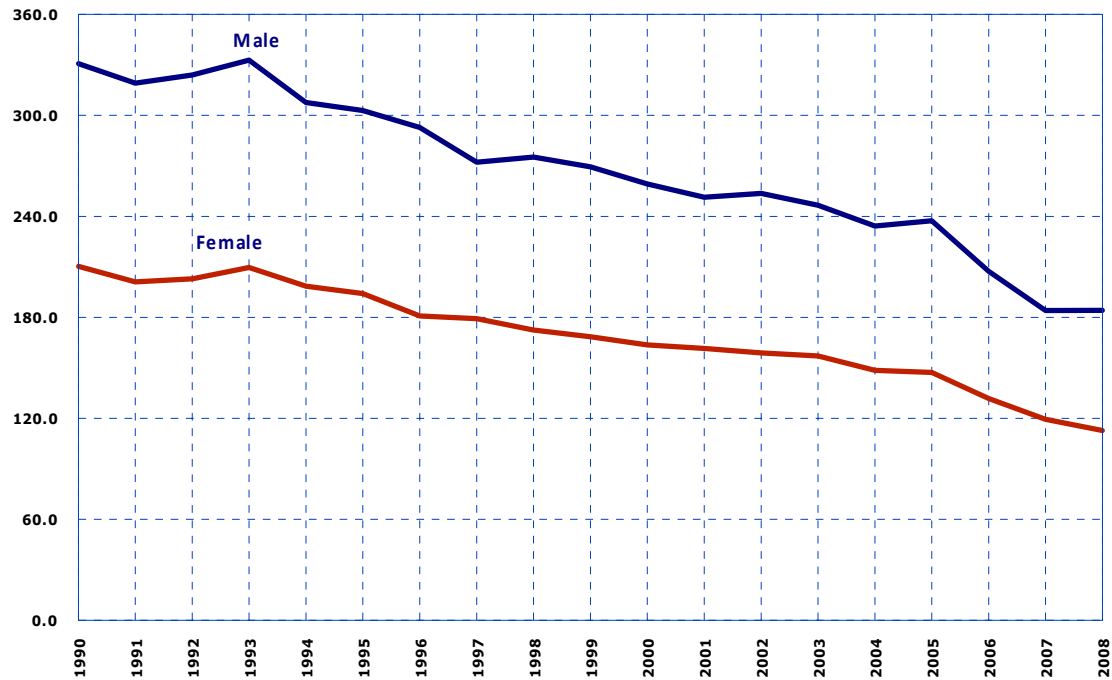


*Adjusted to the 2000 U.S. standard. See Table 1.

*Table 2B-4 in *Arizona Health Status and Vital Statistics 2008* report at <http://www.azdhs.gov/plan/report/ahs/ahs2008/pdf/2b4.pdf>

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FIGURE 6
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART BY GENDER AND YEAR,
ARIZONA RESIDENTS, 1990-2008

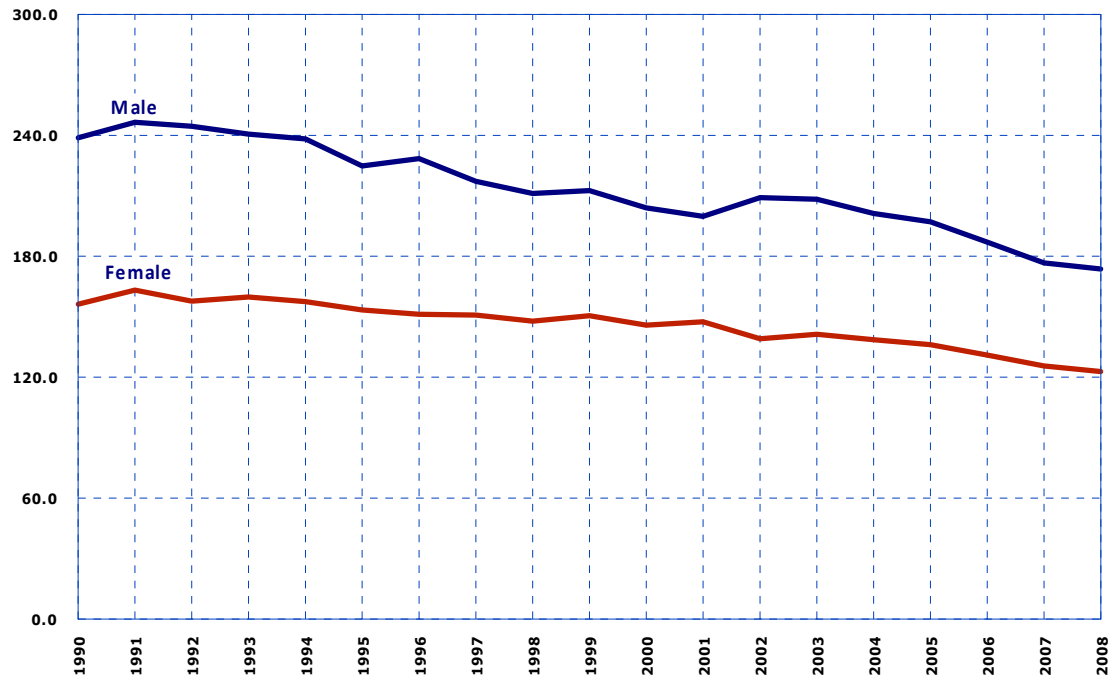


*Adjusted to the 2000 U.S. standard. See Table 1.

In each of the 19 years from 1990 to 2008, Arizona male mortality rates for diseases of the heart were greater than the rates of their female counterparts (**Figure 6**). Both genders experienced a substantial (more than 40 percent) decline in their mortality risk since 1990; however, the male to female differential in mortality risk remained unchanged at 1.6 times greater for males than females.

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FIGURE 7
AGE-ADJUSTED* MORTALITY RATES FOR MALIGNANT NEOPLASMS (CANCER) BY GENDER AND YEAR, ARIZONA RESIDENTS, 1990-2008

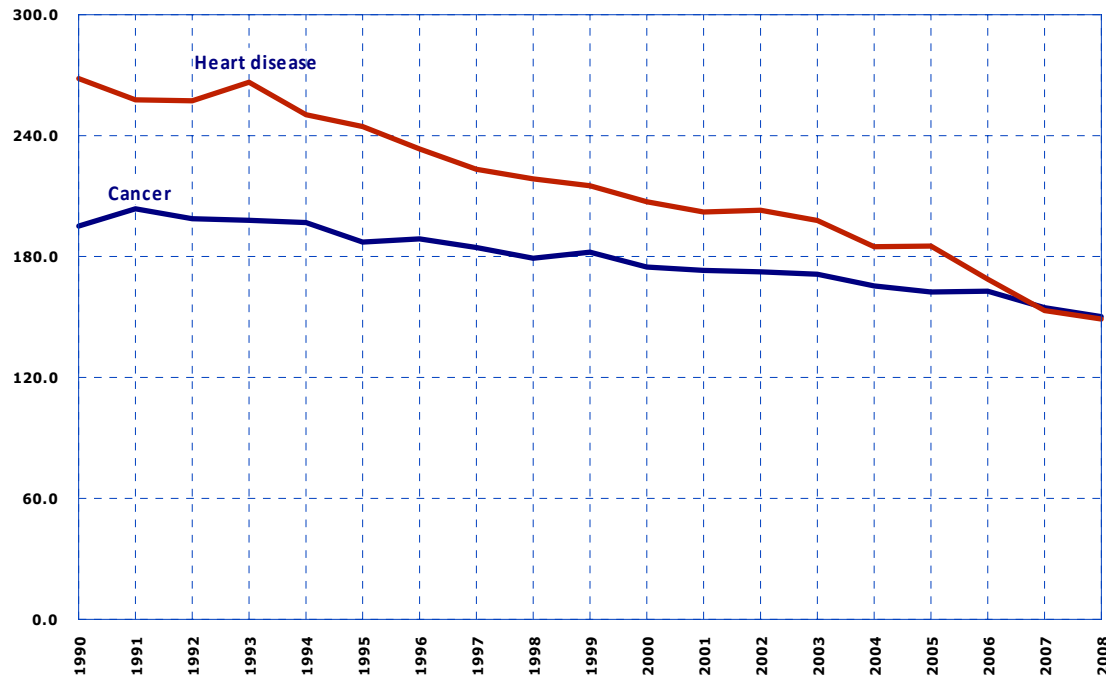


In each of the 19 years from 1990 to 2008, Arizona male mortality rates for cancer also were greater than the rates of their female counterparts (**Figure 7**). From 1990 to 2008, the male mortality rate declined by 27 percent, compared to a 21 percent decline among females. The male to female differential in the cancer mortality risk changed from 1.5 times greater for males than females in 1990 to 1.4 greater in 2008.

*Adjusted to the 2000 U.S. standard. See Table 1.

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FIGURE 8
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
ARIZONA WHITE NON-HISPANIC RESIDENTS, 1990-2008



*Adjusted to the 2000 U.S. standard. See Table 1.

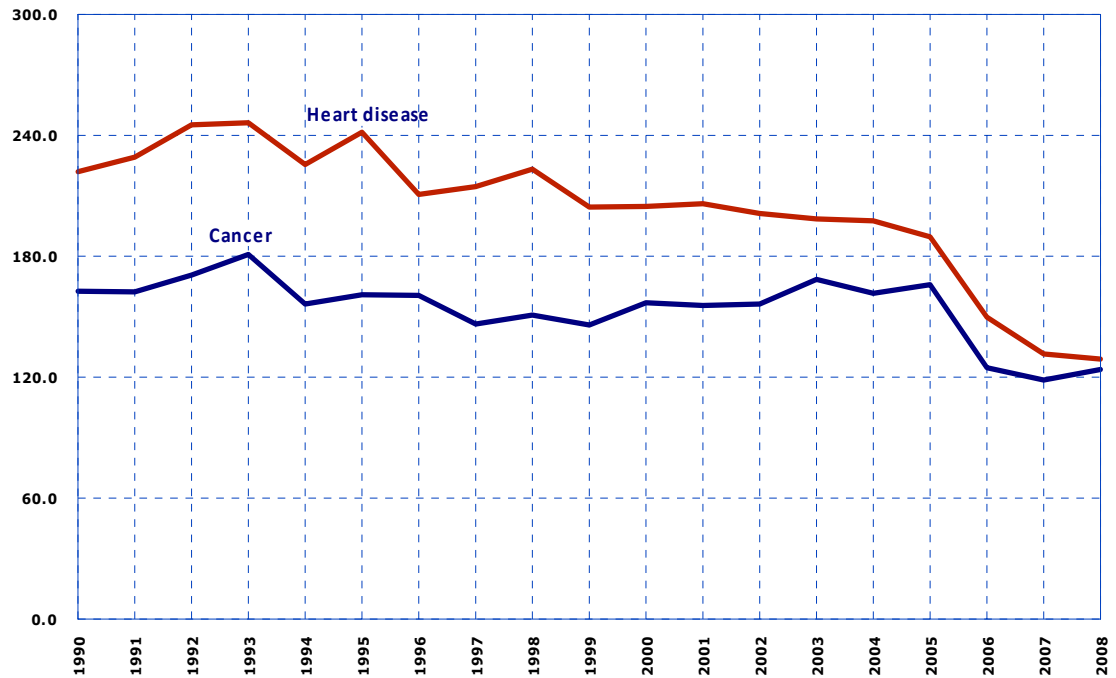
In both 2007 and 2008, the age-adjusted mortality rates for cancer (154.6 and 150.2, respectively), among White non-Hispanic residents of Arizona exceeded by less than 1 percent the mortality rates for heart disease (153.2 and 149.0; **Table 1, Figure 8**).

It is important to note here that the ranking of causes of death using the total number of deaths for all ages may differ from the ranking based on the age-adjusted mortality rates, which summarize the weighted age-specific mortality rates into a single rate for all ages.

Among White non-Hispanics the total number of deaths from diseases of the heart (8,539) exceeded in 2008 the total number of deaths from cancer (8,272). In contrast, the age-adjusted mortality for diseases of the heart was slightly lower than the cancer mortality because of the differences in the age-specific mortality. White non-Hispanic Arizonans 75 years or older accounted for seven out of ten deaths from heart disease (68.9 percent; **Table 3**), while those younger than 75 years accounted for the absolute majority of death from cancer (52.7 percent). The weights assigned to mortality at younger ages are substantially greater than the weights associated with mortality of those who were 75-84 years old, or 85 years and older (**Table 3**).

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FIGURE 9
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
ARIZONA HISPANIC OR LATINO RESIDENTS, 1990-2008



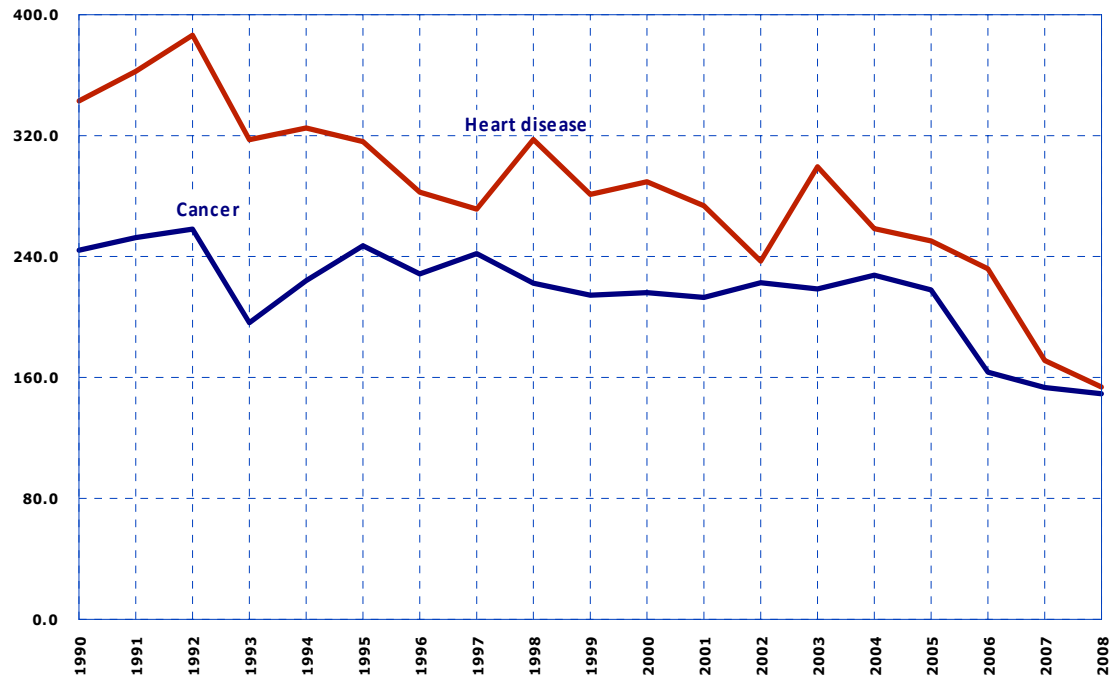
The evidence of the transition in mortality risks for diseases of the heart and cancer applies not only to White non-Hispanics, but to other race/ethnic groups as well.

Among Hispanic or Latino residents of the State, the mortality differential narrowed down from 1.5 times greater mortality rate for heart disease than cancer in 1995 to only 4 percent greater in 2008 (**Figure 9, Table 1**).

*Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 10
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
ARIZONA BLACK OR AFRICAN AMERICAN RESIDENTS, 1990-2008

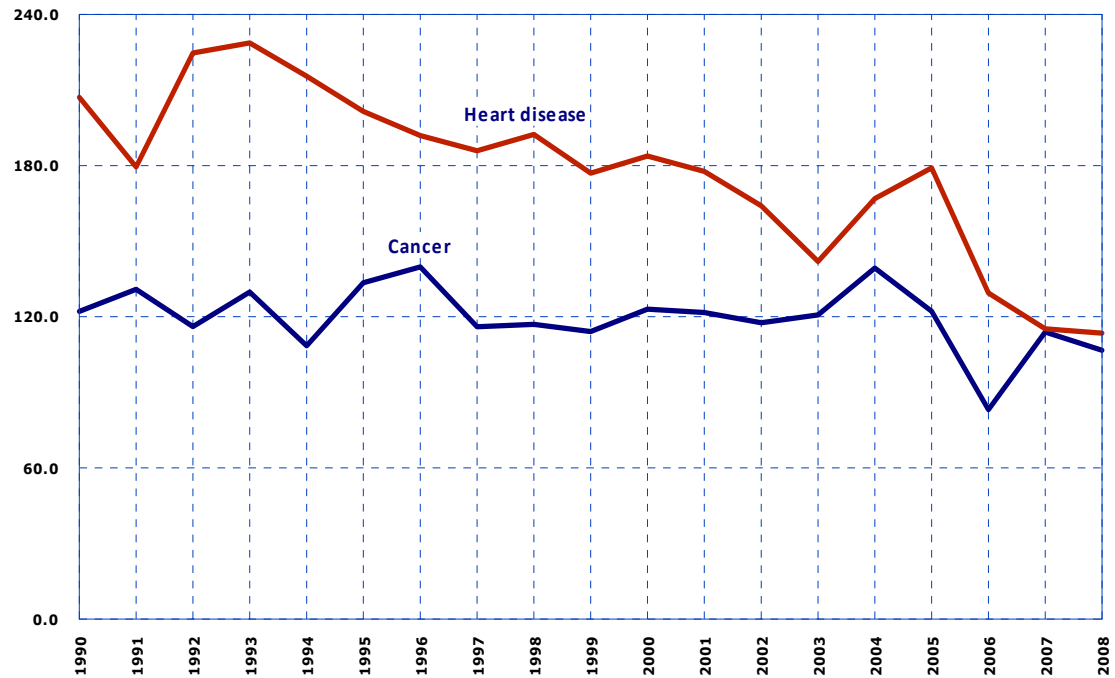


*Adjusted to the 2000 U.S. standard. See Table 1.

The above temporal pattern of changes in the mortality risks for diseases of the heart and cancer was also followed by Black or African American residents of Arizona. Their mortality differential narrowed down from 1.5 times greater mortality rate for heart disease than cancer in 1992 to only 3 percent greater in 2008 (**Figure 10, Table 1**).

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 11
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
ARIZONA AMERICAN INDIAN OR ALASKA NATIVE RESIDENTS, 1990-2008

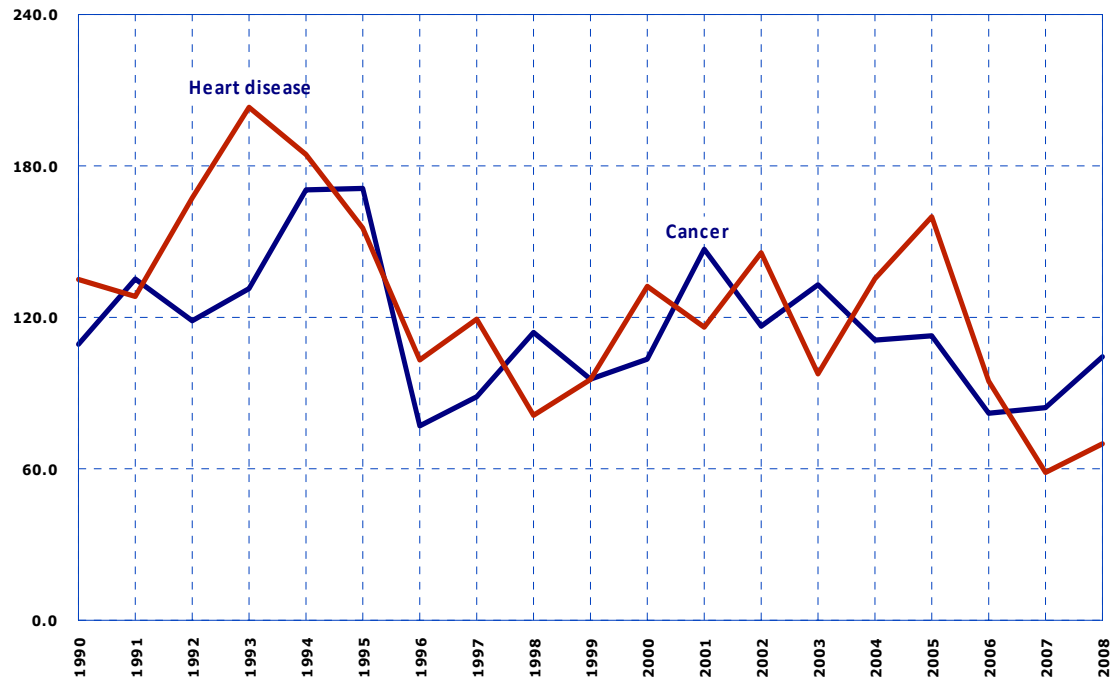


The pattern of changes in the mortality risks for diseases of the heart and cancer among American Indians (**Figure 11**) offers a small variation compared to White non-Hispanics, Blacks and Hispanics or Latinos. Again, the differential in mortality risk narrowed down to only 1 percent greater for diseases of the heart than cancer in 2007. In 2008, however, the cancer mortality rate declined to 106.7/100,000, while the heart disease rate changed very little to 113.5/100,000 (**Table 1**), and the mortality differential increased to 6 percent greater mortality rate for diseases of the heart than cancer.

*Adjusted to the 2000 U.S. standard. See Table 1.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 12
AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
ARIZONA ASIAN OR PACIFIC ISLANDER RESIDENTS, 1990-2008

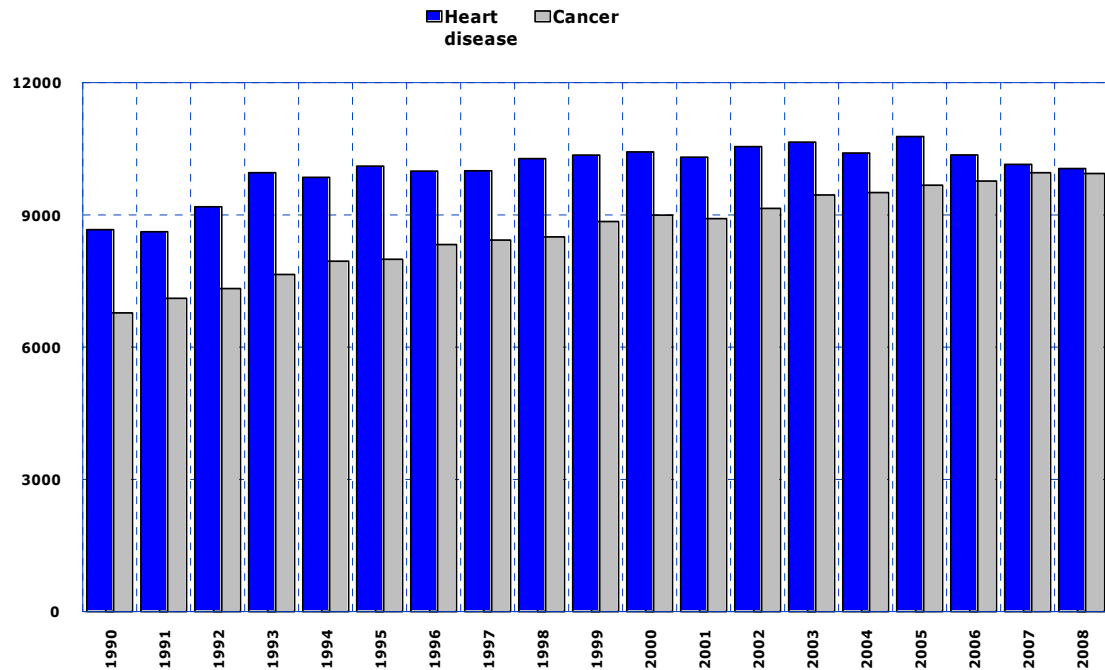


*Adjusted to the 2000 U.S. standard. See Table 1.

In 1990-2008, the mortality rates for diseases of the heart and cancer varied erratically among Asian or Pacific Islander residents of Arizona (**Figure 12, Table 1**), the smallest race/ethnic group in the State. This temporal pattern of changes in mortality is not unexpected, since we are dealing here with a relatively small number of events occurring in a small population sub-group. In 2008, there were 66 deaths from diseases of the heart among Asians of Pacific Islanders, and 115 deaths from cancer. The cancer mortality rate exceeded the death rate for diseases of the heart not only in 2007 and 2008, but also previously in 1991, 1995, 1998, 2001, and 2003.

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FIGURE 13
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
BY YEAR, ARIZONA RESIDENTS, 1990-2008



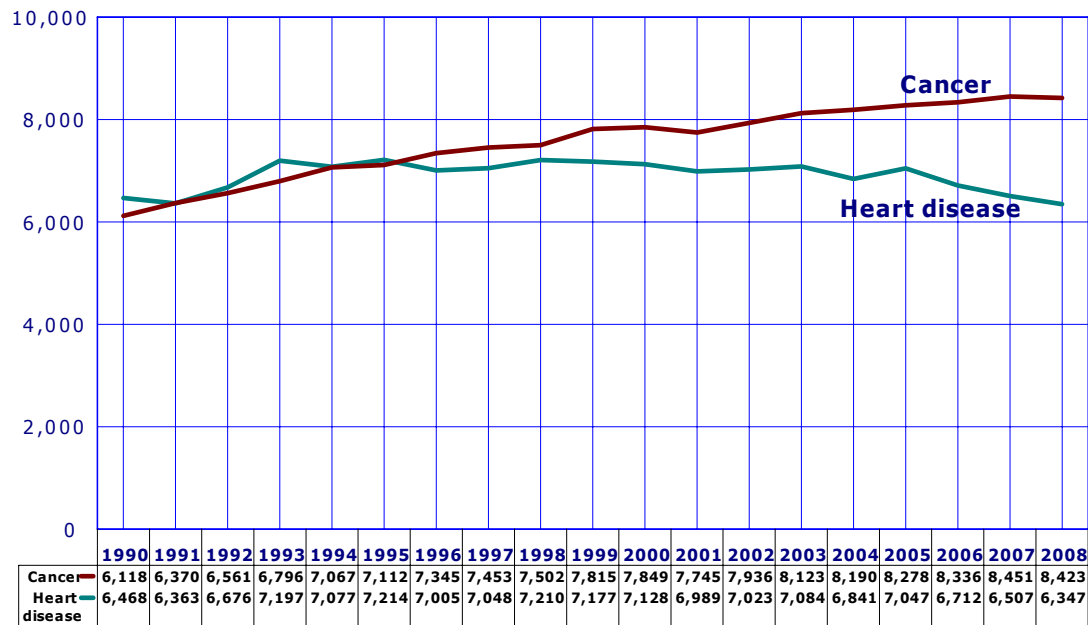
We have been discussing the temporal changes in mortality risks – or mortality rates – for diseases of the heart and cancer. Based on the age-adjusted mortality rates we have documented that cancer has been gradually displacing heart disease as the leading cause of death.

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 2005 there were 1,106 more deaths from diseases of the heart than cancer among Arizona residents (**Figure 13, Table 2**). In 2008, the difference in the number of deaths from heart disease and cancer was 111, a reduction by 90 percent.

*See Table 2.

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, 1990-2008

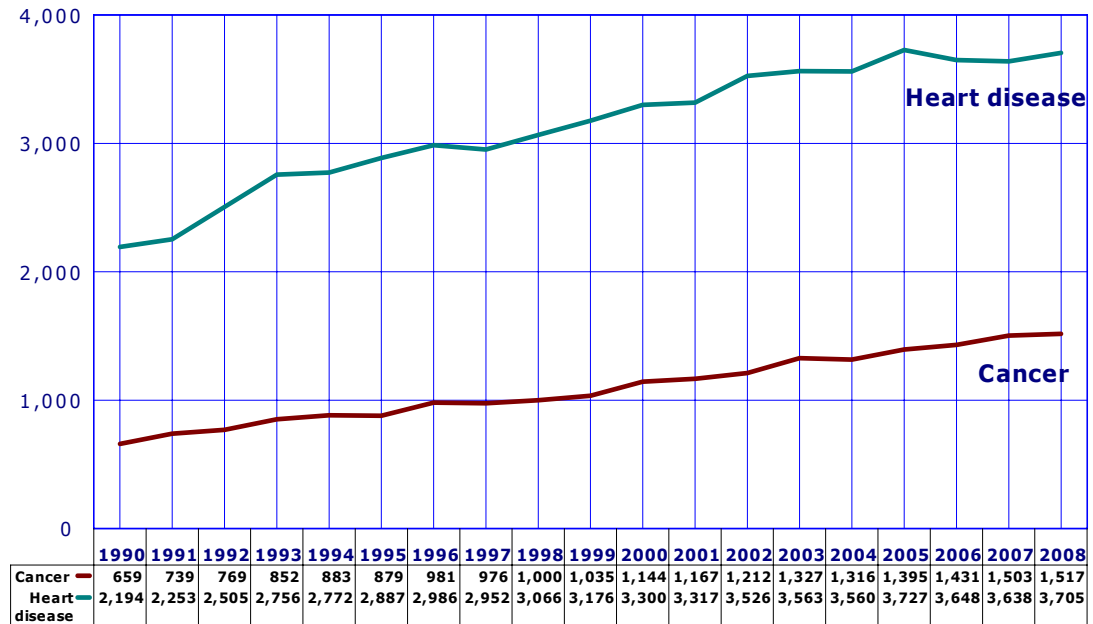


It is not very widely known that for the past thirteen years cancer has already been the number one cause of death among Arizonans aged 0-84 years (**Figure 14, Table 4, and Table 5**). Beginning in 1996, the annual number of cancer deaths exceeded the number of deaths from heart disease. In 2008, 2,076 more Arizonans 0-84 years old died from cancer (8,423) than heart disease (6,347).

*See Table 3.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 15
NUMBER OF DEATHS FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER),
AMONG ARIZONA RESIDENTS 85+ YEARS OLD, 1990–2008



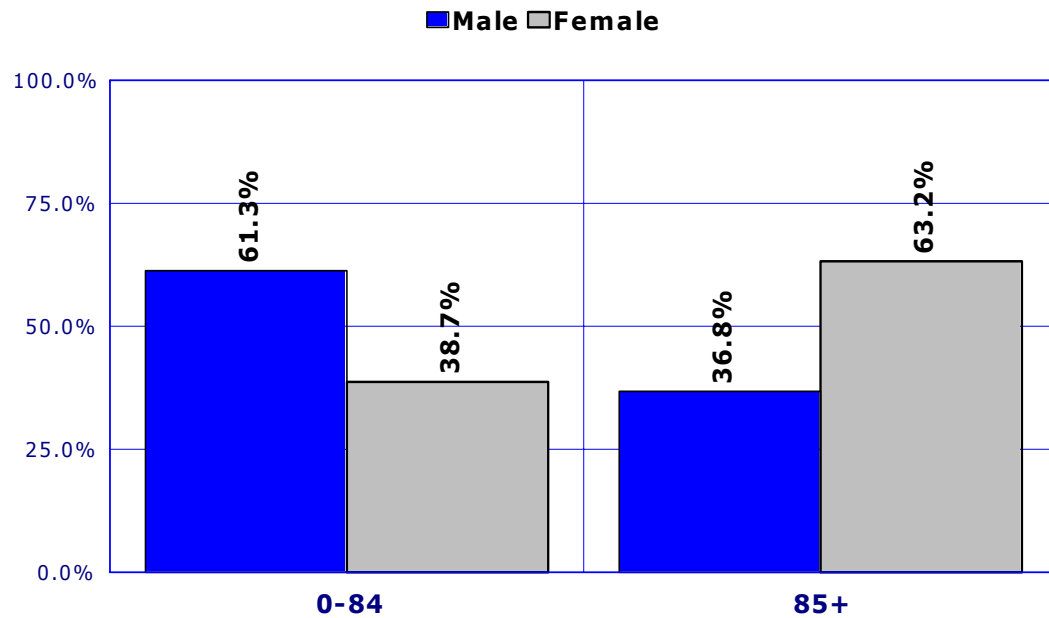
It is only among the oldest, 85 years or older, that heart disease continues to be the number one cause of death (**Figure 15, Table 6, Table 7**). In 2008, the elderly aged 85 years or older accounted for 15.3 percent of all deaths from cancer but 36.9 percent of all deaths from heart disease.

From 1990 to 2008, the number of deaths from cancer increased by 130 percent (2.3 times) among Arizonans 85 years or older, a 1.9 times greater rise than the one seen for diseases of the heart (a 68.9 percent increase).

*See Table 4.

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 1990-2008)

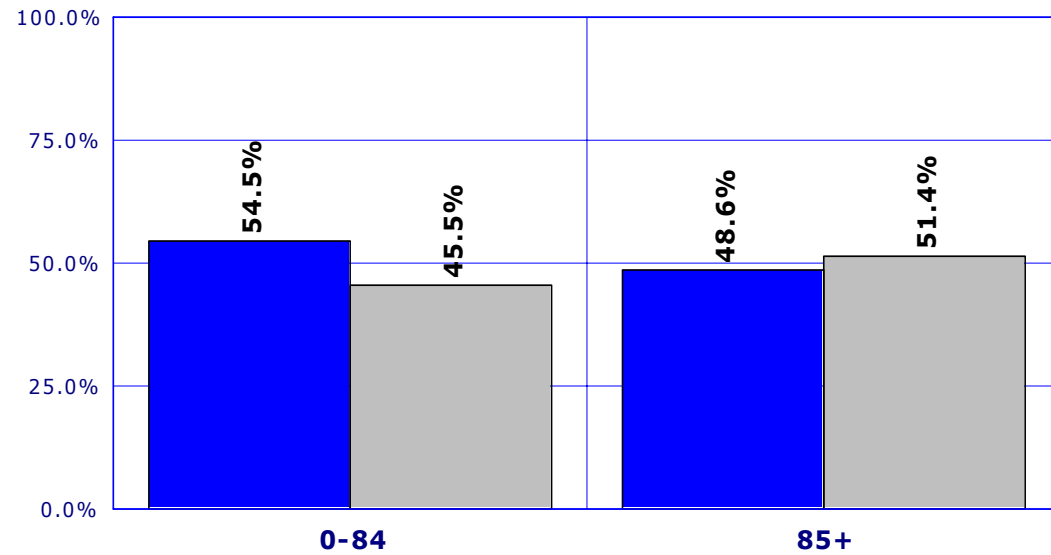


The gender-specific pattern of mortality from diseases of the heart reveals that males accounted for the absolute majority (61.3 percent) of those who died from the disease in 1990-2008 before reaching the age of 85 years (**Figure 16, Table 8, Table 9**). The opposite is true for females who accounted for the majority (63.2 percent) of deaths from diseases of the heart among Arizonans aged 85 years old or older.

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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 1990-2008)

■ Male □ Female

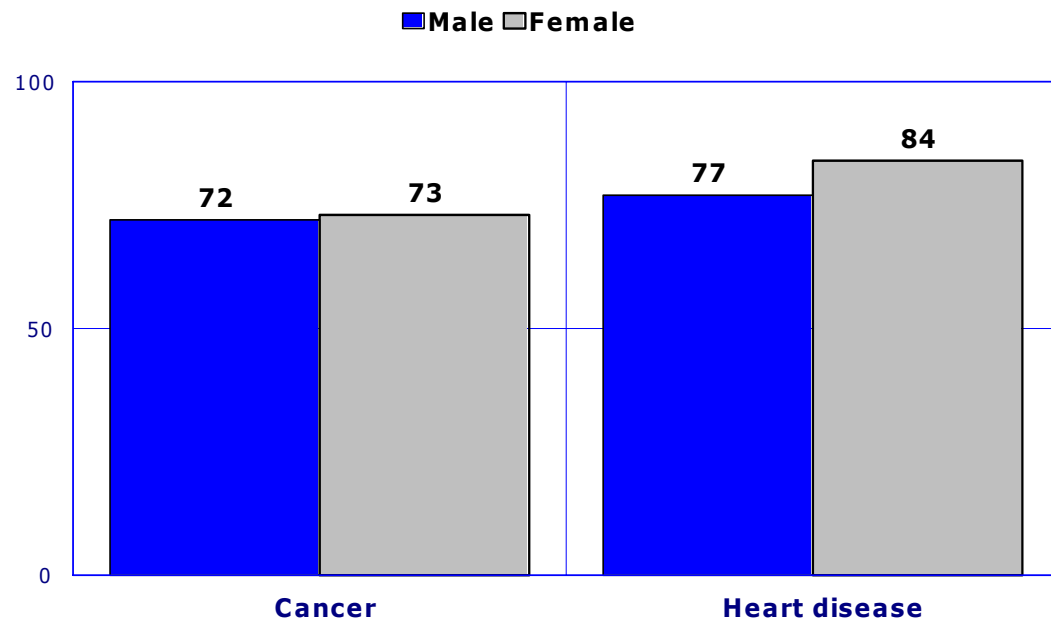


The gender-specific pattern of mortality from cancer at ages 0-84 years and 85 years or older reveals differences which are less pronounced as those for the diseases of the heart.

However, males accounted for absolute majority (54.5 percent) of those who died from cancer in 1990-2008 before reaching the age of 85 years (**Figure 16, Table 8, and Table 9**). Again, the opposite is true for females who accounted for the majority (51.4 percent) of deaths from cancer among Arizonans aged 85 years old or older.

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FIGURE 18
MEDIAN AGE AT DEATH BY GENDER FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA RESIDENTS, 2008



In 2008, there was little difference by gender in the median age of cancer victims.* Fifty percent of males who died from cancer that year were less than 72 years old, compared to a median age of 73 years for females (**Figure 18**). The median age at death ranged from 61 years for male and 68 years for female victims of breast cancer, to 79 years for males who died from prostate cancer.

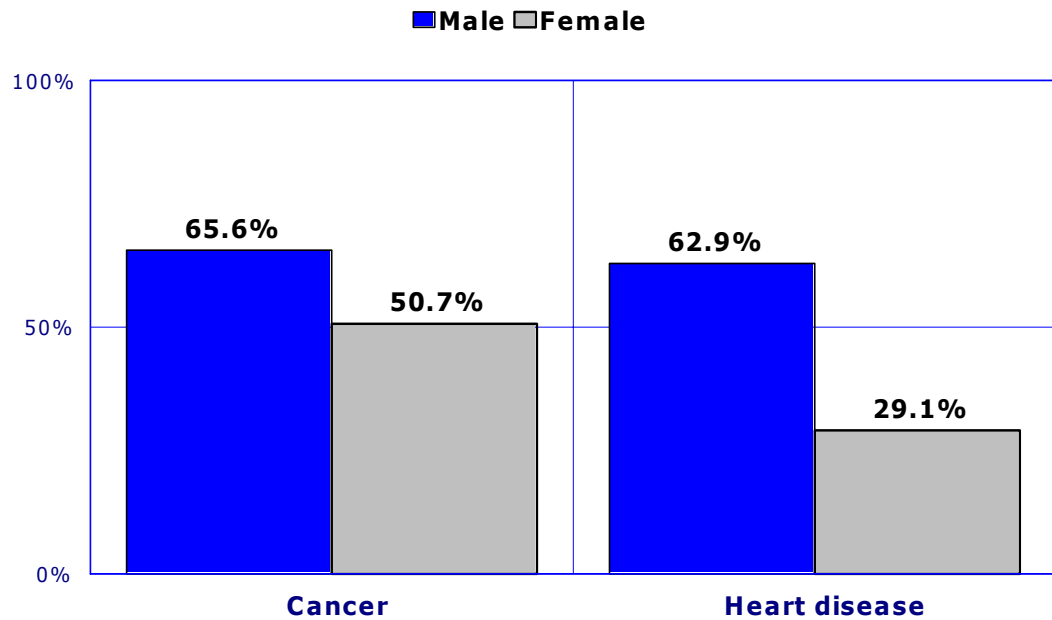
Among those who died from disease of the heart, the median age of females was 84 years, exceeding by seven years the median age of males (77 years).

The median age at death of Arizonans who died from heart disease was noticeably greater than the median age at death from cancer. The magnitude of this difference was not insubstantial for either females (11 years) or males (5 years). With cancer replacing the diseases of the heart as the number one cause of death this may adversely impact the ever-increasing median age at death in Arizona.

*Table 2D-3 in *Arizona Health Status and Vital Statistics 2008* report at <http://www.azdhs.gov/plan/report/ahs/ahs2008/pdf/2d3.pdf>

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 19
PERCENT DEATH BEFORE EXPECTED YEARS OF LIFE REACHED BY GENDER FROM DISEASES OF THE HEART AND MALIGNANT NEOPLASMS (CANCER), ARIZONA RESIDENTS, 2008



Among females who died in 2008 from heart disease, only 29.1 percent of deaths (**Figure 19**) were premature* (i.e., occurring before the expected years of life reached for all U.S. residents), compared to 50.7 percent deaths from cancer. The majority of male deaths either from cancer (65.6 percent) or heart disease (62.9 percent) were premature.

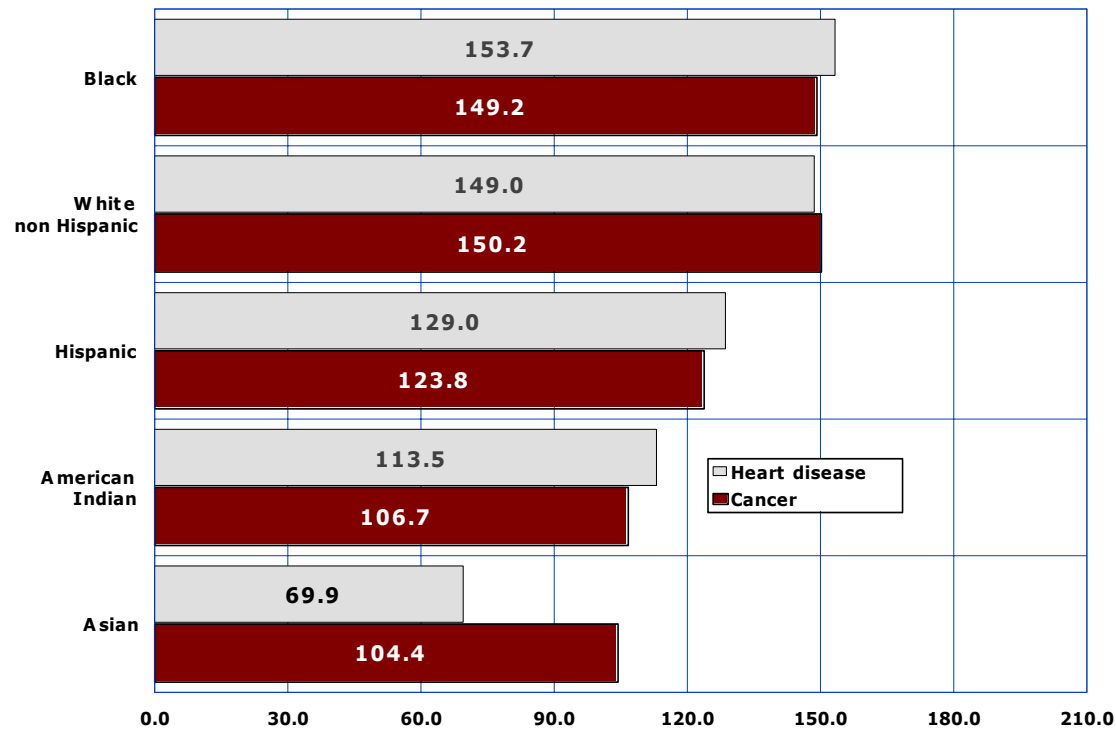
With cancer accounting in the nearest future for more deaths than diseases of the heart, the "prematurity ratio" (the number of deaths before expected years of life reached) may actually increase.

*Expected years of life at birth for all U.S. residents.

*Table 2D-4 in *Arizona Health Status and Vital Statistics 2008* report at <http://www.azdhs.gov/plan/report/ahs/ahs2008/pdf/2d4.pdf>

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, 2008



Arizona's Blacks were 2.2 times more likely to die from diseases of the heart and 1.4 times more likely to die from malignant neoplasms in 2008 than Asians, the group at the lowest risk of both heart disease and cancer death among race/ethnic groups (**Figure 20, Table 1**).

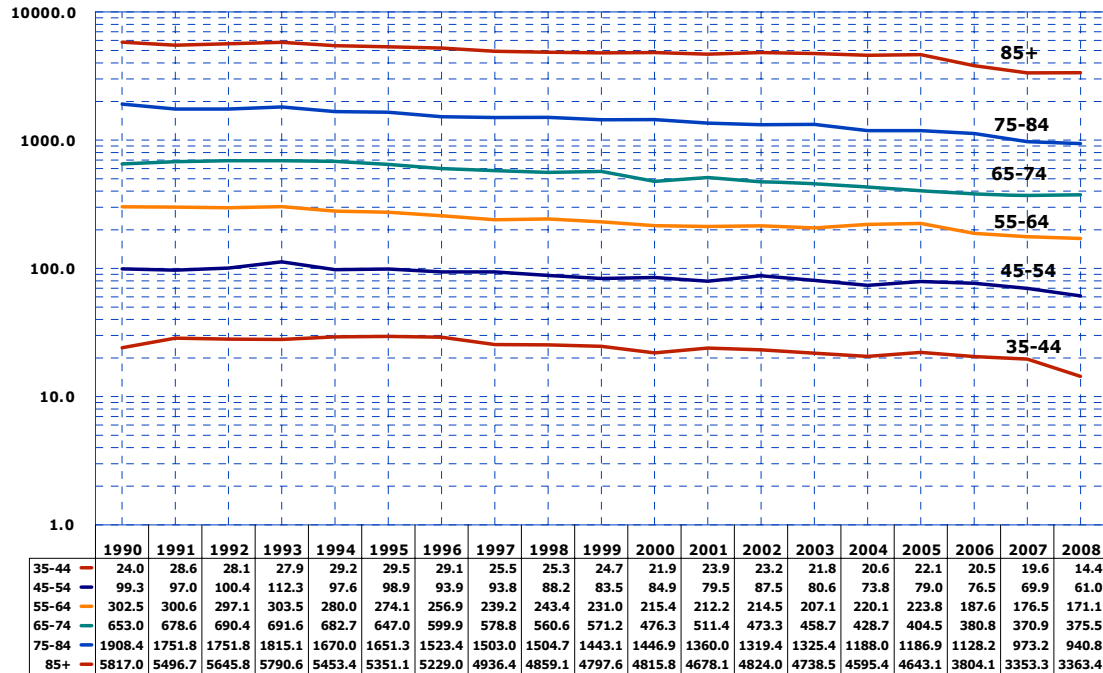
Among Asians and White non-Hispanics, the relative risk of death from cancer exceeded the mortality risk of death from heart disease in 2008.

HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

FIGURE 21
TRENDS IN AGE-SPECIFIC MORTALITY RATES FOR DISEASES OF THE HEART AMONG SELECTED AGE GROUPS OF ARIZONA RESIDENTS, 1990-2008

The mortality rates for diseases of the heart vary widely by age group, ranging from less than 30 death per 100,000 persons aged 35-44 years, to more than 1,000 deaths per 100,000 persons 75-84 years old, and almost 6,000 deaths/100,000 elderly 85 years or older. **Figure 21** uses a logarithmic scale to accommodate the differing magnitudes.

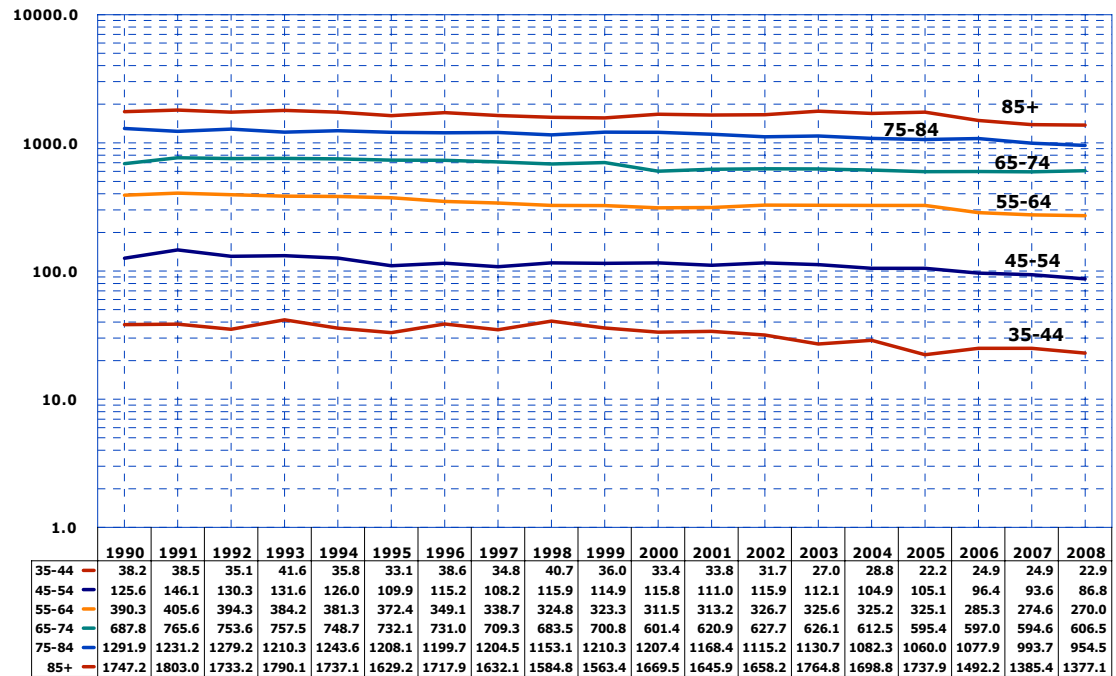
Compared to 1990, all age-specific mortality rates for diseases of the heart were lower in 2008 for Arizonans 35 years or older (**Figure 21, Table 12**). The risk of death from heart disease decreased by 50.7 percent among Arizonans 75-84 years old from 1980.4/100,000 in 1990 to 940.8/100,000 in 2008. Those aged 55-64, 65-74, and 85+ experienced a decrease in their mortality rates by at least 42 percent.



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, 1990-2008



Note: log scale.

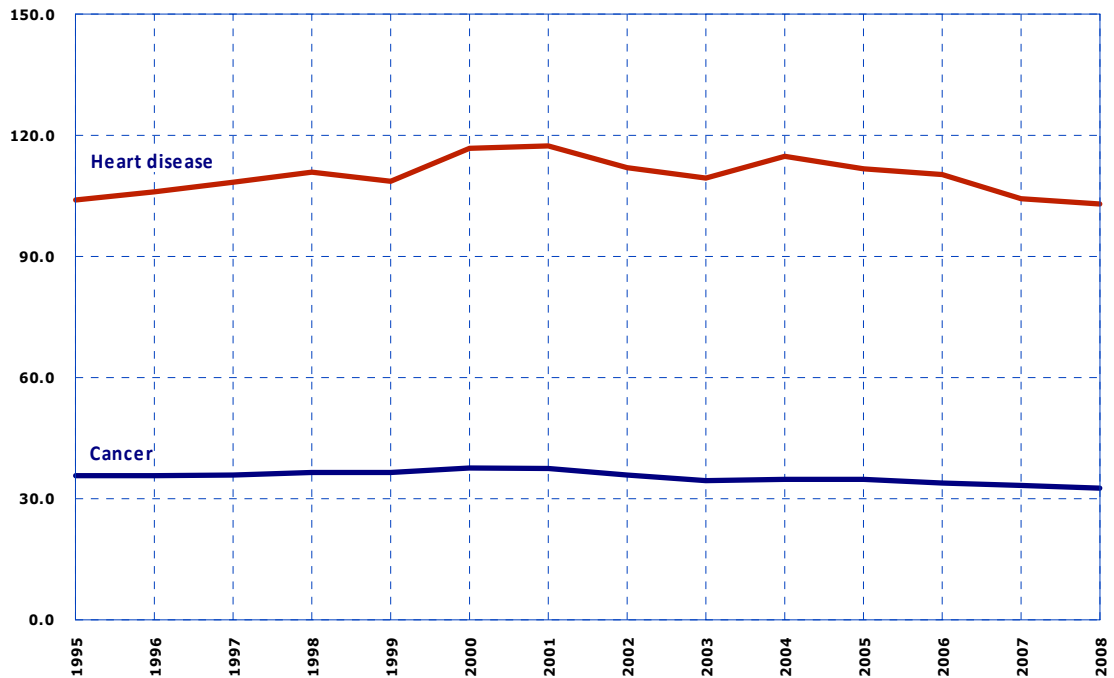
Figure 22 also uses a logarithmic scale to reflect the magnitude and changes over time in age-specific mortality rates for cancer. Compared to 1990, all age-specific mortality rates for cancer were lower in 2008 for Arizonans 35 years or older (**Figure 22, Table 13**). However, the decline was much less pronounced than for diseases of the heart. The risk of death from cancer decreased from 1990 by 30.8 percent among Arizonans aged 55-64 years, by 26.1 percent among 75-84 years old, by 21.2 percent among elderly 85 years or older, and by 11.8 percent among those aged 65-74 years (**Table 13**).

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In 2008, there were 67,307 inpatient discharges with the first listed diagnosis of heart disease, approximately 10.1 percent of all inpatient discharges, and 2.4 times more than the number of inpatient discharges with cancer as the principal diagnosis (28,518).

Interestingly, in spite of rather meaningful changes over time in mortality risks associated with heart disease and cancer, the inpatient hospitalization rates remained virtually constant in Arizona in 1995-2008 (**Figure 23, Table 14**). In 1995, the inpatient discharge rate with heart disease diagnosis was 104 per 10,000 resident population; fourteen years later, in 2008, it was 103/10,000. The inpatient discharge rate with cancer diagnosis slightly declined from 35.7/10,000 in 1995 to 32.6/10,000 in 2008.

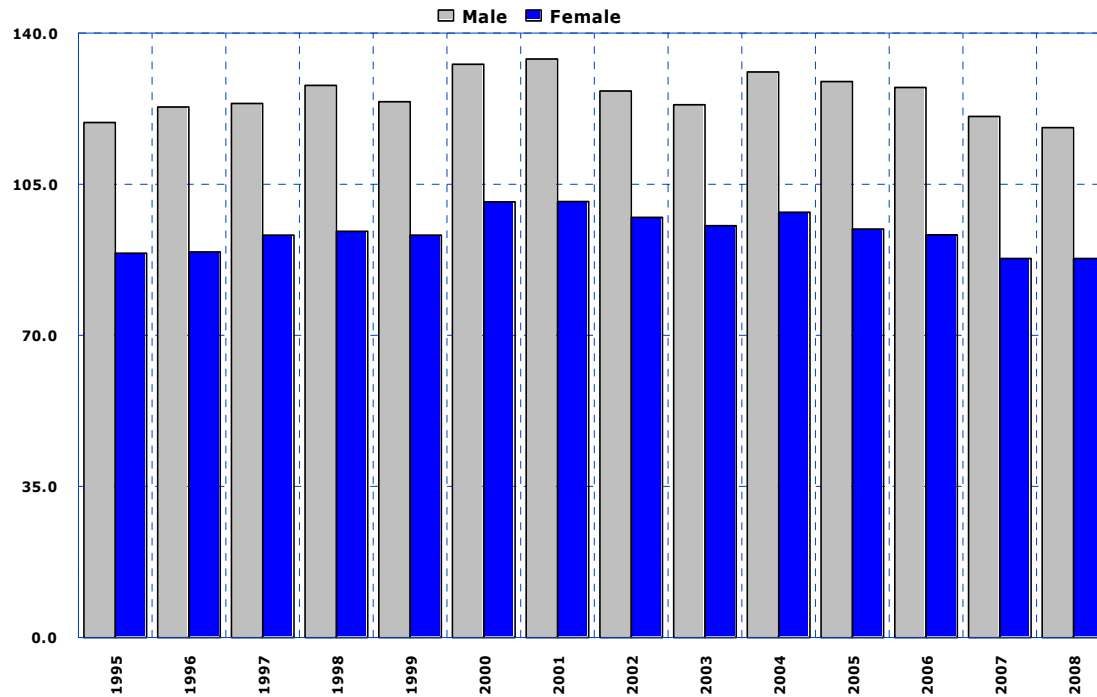
FIGURE 23
RATES OF INPATIENT DISCHARGES* WITH DISEASES OF THE HEART OR MALIGNANT NEOPLASMS (CANCER)
AS FIRST-LISTED DIAGNOSIS BY YEAR, ARIZONA RESIDENTS, 1995-2008



*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* WITH DISEASES OF THE HEART AS FIRST-LISTED DIAGNOSIS BY GENDER AND YEAR, ARIZONA RESIDENTS, 1995-2008



*Number of inpatient discharges per 10,000 resident population in specified group.

In each of the 14 years from 1995 to 2008, 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**). Neither gender experienced a substantial decline in the hospitalization rates during the fourteen-year period from 1995 to 2008.

In 2008, among the 67,307 Arizonans who were discharged with diseases of the heart as first-listed diagnosis, 46,612 (69.3 percent) had at least one procedure performed while hospitalized. *Cardiac catheterization* (31,292), *removal of coronary obstruction* (15,319), *insertion, replacement, removal of pacemaker leads* (5,544), and *coronary artery bypass graft* (5,427) were the four most frequently reported procedures.

No specific procedure was recorded for approximately 30.7 percent of the inpatient discharges with the first-listed diagnosis of heart disease.

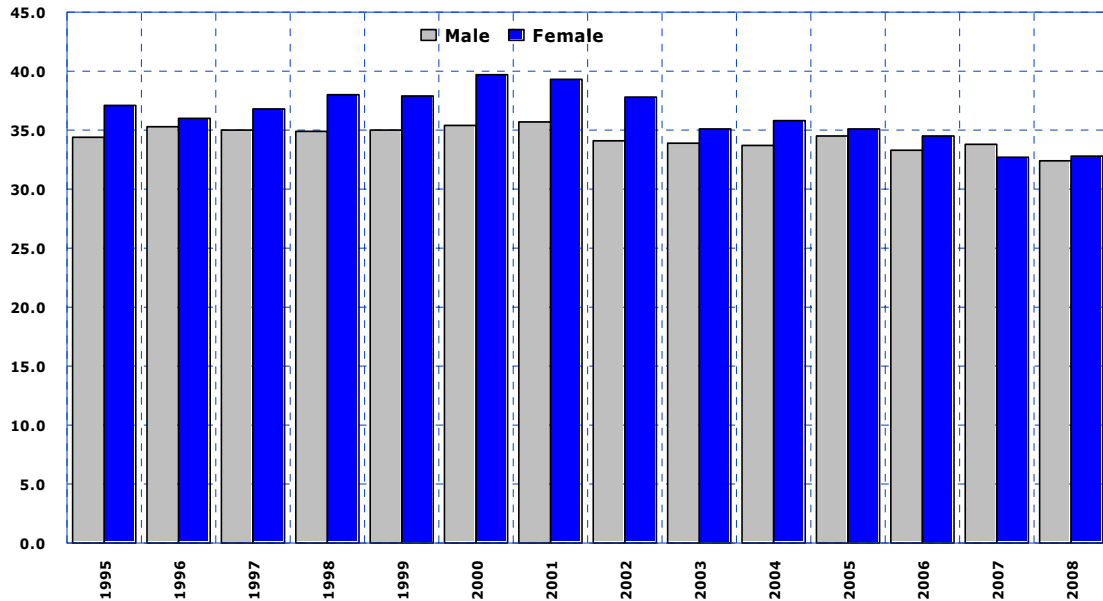
HEART DISEASE VS CANCER: AN EPIDEMIOLOGIC TRANSITION IN MORTALITY RISKS

Except 2007, Arizona female inpatient discharge rates with first-listed diagnosis of cancer were greater than the rates of their male counterparts (**Figure 24, Table 14**). Females, but not males, experienced a 17.4 percent decline in the inpatient hospitalization rates from a recent peak of 39.7/10,000 in 2000 to 32.8/10,000 in 2008. The male hospitalization rate changed from 35.4/10,000 to 32.4/10,000 during that time.

In 2008, among the 21,327 Arizonans who were discharged with malignant neoplasm as first-listed diagnosis, 19,197 (90.0 percent) had at least one procedure performed while hospitalized. *Injection or infusion of cancer chemotherapeutic substance* (6,179), *operation on lymphatic system* (4,400), *incision, excision, and anastomosis of intestine* (4,156), *operations on abdominal region* (3,712), *operation on chest wall, pleura, diaphragm* (2,451), *operation on the breast* (2,467), *operation on prostate* (1,838), and *operation on lung and bronchus* (1,819) were the eight most frequently reported procedures.

No specific procedure was recorded for approximately 10 percent of the inpatient discharges with the first-listed diagnosis of cancer.

FIGURE 25
RATES OF INPATIENT DISCHARGES* WITH MALIGNANT NEOPLASM (CANCER)
AS FIRST-LISTED DIAGNOSIS BY GENDER AND YEAR, ARIZONA RESIDENTS, 1995-2008



*Number of inpatient discharges per 10,000 resident population in specified group.

DISCUSSION

The three sources quoted in the first paragraph of our report do not acknowledge any other reasons but changes in the prevalence of tobacco use for the epidemiologic transition - with cancer displacing heart disease as the number one cause of death. However, changes in the prevalence of smoking are quite unsatisfactory as an explanation.

If the declining smoking prevalence rates in Arizona had an impact on the declining mortality rates for diseases of the heart, why the risk of death from cancer has not been similarly impacted by it? Conversely, if cancer incidence rates and cancer death rates are growing in developing countries because of the increasing prevalence of smoking (Steven Reinberg in *The Washington Post*, December 9, 2008), why the "smoking epidemic" is affecting the cancer rates but not heart disease in those countries (after all, cigarette smoking has been implicated in both heart disease and cancer)?

Cancer displacing heart disease as the number one killer is an excellent example of the "law of unintended effect": an unquestionable success in the control, management, treatment, and prevention of heart disease. There is a vast number of approaches to deal with the diseases of the heart, ranging from a widespread use of effective medications controlling high blood pressure and reducing cholesterol levels (statins), to medical procedures such as removal of coronary artery obstructions, coronary artery bypass, cardiac catheterization, insertion of pacemakers; to widely available supplements (certain Omega-3 fatty acids) or even a margarine such as 'Promise' which is 'cardiologist endorsed'. (We are neither evaluating nor endorsing those claims; however, we are unaware of any margarine 'endorsed by oncologists' or a wide array of medications, which can be taken daily to control the symptoms of cancer or to improve the quality and prolong the life of persons with this disease). The fact is, that "the ideal chemotherapeutic drug would target and destroy only cancer cells. Only a few such drugs exist"; (and) "treating cancer is one of the most complex aspects of medical care".³

The declining risk of death from heart disease does not mean that those with the disease do not die from it. When they do, however, the death is likely to occur much later in life. In 2008, five out of ten Arizona resident females who died from heart disease were at least 84 years old or older; in contrast, five out of ten males who died from breast cancer were 23 years younger (median age of 61 years).

Gains in longevity were fastest in the first half of the 20th century and are largely attributed to the eradication and control of numerous infectious and parasitic diseases, especially among infants and children.⁴ The life expectancy at birth increased by almost 20 years from 49.2 years (average for 1900-1902) to 68.1 (average for 1949-1951). The increase of 9.5 years from 68.1 in 1949-1951 to 77.6 years in 2006⁵ was not quite as spectacular. Future mortality and survival are difficult to predict and there is no lack of disagreement not only on the level but also the direction of future trends. The epidemiologic transition to a mortality risk greater for cancer than heart disease may result in both: 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).

³ *The Merck Manual*. 18th Edition. Modalities of cancer therapy at <http://www.merck.com/mmpe/sec11/ch149/ch149b.html>

⁴ Laura B. Shrestha: *Life Expectancy in the United States*. CRS Report for Congress. March 3, 2005.

⁵ *Deaths: Final data for 2006*. National vital statistics reports, vol.57, no.4. Hyattsville, MD: National Center for Health Statistics.2009

TABLE 1
TRENDS IN AGE-ADJUSTED* MORTALITY RATES FOR DISEASES OF HEART AND MALIGNANT NEOPLASMS (CANCER)
BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1980, 1990-2008

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 HEART																		
1980	346.3	444.5	266.2	353.6	454.3	271.8	307.3	395.1	237.0	392.5	462.7	328.2	236.1	323.6	159.3	268.1	375.0	177.0
1990	263.8	330.7	210.3	268.3	336.8	213.2	222.0	285.2	172.9	343.0	381.9	311.5	207.1	289.3	140.3	135.0	143.5	130.8
1991	254.3	319.1	201.0	257.8	324.2	203.2	229.2	295.6	175.8	362.5	388.4	328.1	179.5	234.2	135.5	128.3	149.0	111.4
1992	257.2	324.0	202.9	257.3	325.7	201.7	245.2	306.5	196.7	386.5	473.1	317.6	224.7	295.5	167.2	167.3	187.6	154.4
1993	265.1	332.8	209.6	266.5	337.5	207.8	246.3	301.5	203.6	317.3	386.4	262.9	228.7	273.1	194.1	203.2	203.2	206.6
1994	248.3	307.6	198.5	250.4	310.7	199.2	225.5	273.0	189.5	325.1	403.8	255.3	215.5	290.3	155.6	184.5	241.8	141.9
1995	243.3	302.9	194.1	244.5	307.8	192.5	241.6	279.8	207.7	316.0	373.6	268.8	201.5	221.6	182.1	155.3	215.5	109.9
1996	230.7	292.8	180.8	233.4	298.0	181.3	210.7	279.0	158.1	282.6	305.7	263.7	191.9	236.9	156.6	103.1	124.4	87.1
1997	221.6	272.1	179.2	223.3	275.9	179.2	214.6	253.2	182.8	271.4	290.1	249.7	185.9	213.7	162.1	119.3	173.2	80.1
1998	219.0	275.2	172.5	218.5	275.6	170.6	223.2	281.5	180.4	317.4	375.4	271.6	192.4	273.2	129.0	81.2	52.6	106.8
1999	213.9	269.4	168.5	215.1	271.5	168.3	204.4	259.8	163.3	281.1	323.0	246.0	177.0	237.1	131.3	95.4	95.1	95.8
2000	206.1	259.3	163.6	207.2	263.2	162.5	204.7	247.2	171.4	289.5	312.8	267.0	183.8	229.5	148.5	132.3	146.1	118.8
2001	201.7	251.3	161.5	202.1	252.9	160.9	206.1	255.8	165.4	273.6	300.5	248.5	177.7	218.4	146.8	116.1	116.8	116.0
2002	201.0	253.6	158.9	203.0	257.8	159.0	201.2	239.2	170.5	237.0	311.6	178.6	164.0	201.2	134.3	145.6	177.8	122.0
2003	197.1	246.6	157.1	197.9	248.4	157.2	198.5	252.7	155.9	299.4	335.2	259.2	141.9	181.6	111.0	97.6	88.8	103.5
2004	186.7	234.2	148.5	184.9	235.0	144.8	197.6	239.1	165.0	258.5	241.3	258.5	166.9	215.3	128.2	135.3	112.8	167.4
2005	186.9	237.4	147.3	185.2	237.7	144.5	189.6	242.2	149.9	250.3	235.7	266.2	179.1	231.7	139.9	159.8	177.7	143.9
2006	166.1	207.3	131.8	168.8	210.6	133.9	149.8	181.1	124.0	231.9	328.6	153.5	129.4	169.5	98.1	94.7	118.5	80.2
2007	149.5	184.0	119.4	153.2	191.3	120.0	131.5	158.9	107.7	171.3	160.4	182.5	115.2	140.5	94.7	58.6	152.9	56.4
2008	145.5	184.1	112.7	149.0	190.0	114.3	129.0	161.2	100.3	153.7	164.1	142.5	113.5	127.5	103.1	69.9	90.4	55.7
MALIGNANT NEOPLASMS (CANCER)																		
1980	191.3	242.3	154.6	197.7	253.8	157.9	160.3	175.0	150.2	214.3	272.3	167.0	107.0	122.0	94.0	41.4	67.4	22.2
1990	190.4	238.8	156.2	195.1	245.9	160.0	162.6	185.3	143.4	244.2	360.7	155.6	122.1	123.1	121.0	109.3	132.4	86.1
1991	197.7	246.5	163.2	203.7	253.3	169.1	162.4	204.1	132.3	252.6	333.9	187.6	130.9	158.1	109.7	135.2	149.6	128.0
1992	194.0	244.5	157.7	198.8	250.0	161.9	170.7	210.8	142.6	258.2	378.8	168.9	116.1	126.7	108.4	118.6	155.9	86.1
1993	193.2	240.6	159.8	198.0	245.5	164.4	180.9	242.4	140.2	196.3	241.0	160.3	129.8	143.3	120.0	131.4	154.5	113.3
1994	190.9	238.2	157.5	196.9	246.3	161.8	156.3	184.7	137.7	224.1	310.8	164.6	108.5	121.2	98.9	170.5	254.3	109.9
1995	183.2	224.8	153.4	187.2	228.1	157.9	160.9	220.2	120.3	247.1	330.0	187.8	133.5	151.9	119.2	171.1	181.2	165.3
1996	183.6	228.5	151.2	188.8	234.7	155.7	160.6	206.7	129.1	228.5	304.6	175.2	139.8	146.3	135.6	77.0	102.1	59.2
1997	178.8	217.2	150.8	184.5	221.2	157.8	146.4	199.7	108.1	241.9	343.2	175.5	116.0	146.2	92.8	88.5	84.5	93.0
1998	174.5	211.2	147.8	179.2	216.0	152.4	150.8	184.9	124.8	222.4	293.1	183.4	117.0	134.2	104.1	114.0	110.0	115.2
1999	176.7	212.6	150.5	182.2	218.0	155.6	145.9	179.9	122.6	214.4	302.2	156.7	114.1	128.1	104.0	95.5	120.2	79.3
2000	170.4	204.0	145.8	174.8	208.1	150.0	156.9	201.5	126.0	216.1	274.7	178.0	123.0	142.7	107.2	103.4	103.6	103.1
2001	169.2	199.8	147.5	173.1	203.7	151.4	155.6	196.8	126.9	213.0	247.6	195.0	121.7	128.8	115.4	147.0	175.5	127.1
2002	168.6	209.1	139.1	172.4	213.2	142.5	156.3	211.2	118.0	222.7	290.3	176.0	117.6	125.8	112.5	116.5	126.5	108.5
2003	169.4	208.3	141.3	171.2	212.4	141.2	168.5	209.2	140.1	218.5	245.6	200.8	120.7	112.6	126.7	132.9	132.8	132.6
2004	164.7	201.2	138.6	165.4	202.9	138.1	161.6	218.1	123.6	227.7	274.2	200.5	139.3	150.9	131.8	111.0	72.9	165.2
2005	161.8	197.1	136.1	162.4	197.6	136.8	165.9	217.1	130.8	217.9	216.7	219.3	122.2	159.7	97.5	112.7	122.5	104.0
2006	154.7	187.0	131.0	162.8	195.5	138.4	124.7	160.9	98.7	163.5	216.0	127.7	83.1	93.9	79.5	82.0	113.2	64.1
2007	148.0	176.7	125.6	154.6	184.4	131.1	118.6	144.3	99.0	153.4	178.3	135.2	113.9	135.0	100.1	84.2	248.1	81.6
2008	145.4	173.7	122.8	150.2	179.5	126.8	123.8	151.8	101.6	149.2	150.1	146.3	106.7	126.4	93.2	104.4	149.4	74.0

* Adjusted to the 2000 standard U.S. population.

TABLE 2
NUMBER OF DEATHS FROM HEART DISEASE AND CANCER BY YEAR AND THE DIFFERENCE IN THE ANNUAL MORTALITY
AMONG ARIZONA RESIDENTS, 1980, 1990-2008

Year	Heart disease	Malignant neoplasms (cancer)	Difference in the number of deaths between heart disease and cancer
1980	7,094	4,434	2,666
1990	8,666	6,778	1,888
1991	8,619	7,109	1,510
1992	9,185	7,331	1,854
1993	9,955	7,648	2,307
1994	9,851	7,951	1,900
1995	10,104	7,993	2,111
1996	9,995	8,327	1,668
1997	10,002	8,429	1,573
1998	10,276	8,503	1,773
1999	10,355	8,851	1,504
2000	10,430	8,994	1,436
2001	10,312	8,914	1,398
2002	10,551	9,148	1,403
2003	10,649	9,451	1,198
2004	10,402	9,506	896
2005	10,779	9,673	1,106
2006	10,362	9,768	594
2007	10,147	9,955	192
2008	10,052	9,941	111

TABLE 3
AGE COMPOSITION OF MORTALITY FROM DISEASES OF THE HEART AND CANCER AMONG WHITE NON-HISPANICS,
WEIGHTED AGE-SPECIFIC MORTALITY RATES AND THE DIFFERENCE IN AGE ADJUSTED DEATH RATES, ARIZONA, 2008

Age group	Standard weight	Number of White non-Hispanics	# deaths from cancer	# deaths from heart disease	Weighted age-specific rates for cancer	Weighted age-specific rates for heart disease
<1	0.013818	42,154	1	5	0.0	0.2
1-4	0.055317	174,808	3	2	0.1	0.1
5-14	0.145565	433,077	10	1	0.3	0.0
15-24	0.138646	469,053	20	5	0.6	0.1
25-34	0.135573	489,673	41	15	1.1	0.4
35-44	0.162613	533,288	125	83	3.8	2.5
45-54	0.134834	581,387	526	374	12.2	8.7
55-64	0.087247	510,001	1,422	866	24.3	14.8
65-74	0.066037	349,315	2,207	1,315	41.7	24.9
75-84	0.044842	259,483	2,560	2,537	44.2	43.8
85+	0.015508	96,716	1,356	3,336	21.7	53.5
All ages	1.000000	3,938,955	8,272	8,539	150.2	149.0

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

**TABLE 4
NUMBER OF DEATHS FROM CANCER AND DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER AND YEAR
AMONG ARIZONANS 0-84 YEARS OLD, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total, all groups	Total	Malignant neoplasms	6,118	6,370	6,561	6,796	7,067	7,112	7,345	7,453	7,502	7,815	7,849	7,745	7,936	8,123	8,190	8,278	8,336	8,451	8,423
		Diseases of heart	6,468	6,363	6,676	7,197	7,077	7,214	7,005	7,048	7,210	7,177	7,128	6,989	7,023	7,084	6,841	7,047	6,712	6,507	6,347
	Male	Malignant neoplasms	3,355	3,521	3,656	3,726	3,876	3,874	4,036	4,059	4,050	4,224	4,235	4,076	4,361	4,429	4,454	4,513	4,515	4,601	4,623
		Diseases of heart	3,910	3,902	4,084	4,398	4,331	4,398	4,302	4,251	4,446	4,412	4,346	4,235	4,303	4,322	4,200	4,299	4,121	4,036	4,038
	Female	Malignant neoplasms	2,763	2,849	2,905	3,070	3,191	3,238	3,309	3,394	3,452	3,591	3,614	3,669	3,575	3,694	3,736	3,765	3,821	3,850	3,800
		Diseases of heart	2,558	2,461	2,592	2,799	2,746	2,816	2,703	2,797	2,764	2,765	2,782	2,754	2,720	2,762	2,641	2,748	2,591	2,471	2,309
White non-Hispanic	Total	Malignant neoplasms	5,400	5,629	5,781	5,956	6,223	6,179	6,413	6,507	6,525	6,796	6,719	6,594	6,762	6,847	6,907	6,989	7,106	7,007	6,915
		Diseases of heart	5,676	5,527	5,736	6,187	6,137	6,187	6,011	6,046	6,083	6,118	6,041	5,861	5,919	5,942	5,662	5,819	5,528	5,270	5,203
	Male	Malignant neoplasms	2,956	3,110	3,234	3,274	3,440	3,357	3,534	3,514	3,531	3,685	3,632	3,475	3,720	3,783	3,784	3,813	3,859	3,827	3,790
		Diseases of heart	3,429	3,383	3,507	3,820	3,764	3,791	3,703	3,667	3,778	3,781	3,706	3,552	3,650	3,621	3,507	3,567	3,377	3,311	3,312
	Female	Malignant neoplasms	2,444	2,519	2,547	2,682	2,783	2,822	2,879	2,993	2,994	3,111	3,087	3,119	3,042	3,064	3,123	3,176	3,247	3,180	3,125
		Diseases of heart	2,247	2,144	2,229	2,367	2,373	2,396	2,308	2,379	2,305	2,337	2,335	2,309	2,269	2,321	2,155	2,252	2,151	1,959	1,891
Hispanic or Latino	Total	Malignant neoplasms	465	459	486	550	538	569	585	585	606	624	713	712	758	845	827	852	810	910	945
		Diseases of heart	459	508	538	603	558	634	600	616	689	623	658	682	709	700	758	747	712	804	677
	Male	Malignant neoplasms	256	251	258	300	268	323	321	344	341	330	389	385	431	452	456	465	448	496	533
		Diseases of heart	290	325	334	354	318	379	388	362	405	376	396	432	417	443	447	456	431	488	458
	Female	Malignant neoplasms	209	208	228	250	270	246	264	241	265	294	324	327	327	393	371	387	362	414	412
		Diseases of heart	169	183	204	249	240	255	212	254	284	247	262	250	292	257	311	291	281	316	219
Black or African American	Total	Malignant neoplasms	129	133	150	126	139	176	166	174	171	181	184	189	202	196	201	212	213	250	246
		Diseases of heart	158	180	197	169	177	185	180	169	212	192	180	201	170	233	199	202	235	212	211
	Male	Malignant neoplasms	87	82	94	71	81	103	96	101	89	106	101	93	114	99	103	116	121	140	131
		Diseases of heart	83	100	112	98	111	105	92	92	120	107	99	110	107	139	105	116	169	109	125
	Female	Malignant neoplasms	42	51	56	55	58	73	70	73	82	75	83	96	88	97	98	96	92	110	115
		Diseases of heart	75	80	85	71	66	80	88	77	92	85	81	91	63	94	94	86	66	103	86
American Indian or Alaska Native	Total	Malignant neoplasms	100	117	107	121	112	133	147	147	139	138	153	161	148	153	173	151	130	191	195
		Diseases of heart	155	122	175	201	173	175	183	182	189	189	188	179	176	165	160	214	183	177	182
	Male	Malignant neoplasms	44	61	51	58	56	68	66	80	69	67	80	79	68	63	79	77	53	94	98
		Diseases of heart	97	77	111	108	117	102	103	105	125	114	110	101	103	99	104	123	117	104	95
	Female	Malignant neoplasms	56	56	56	63	56	65	81	67	70	71	73	82	80	90	94	74	77	97	97
		Diseases of heart	58	45	64	93	56	73	80	77	64	75	78	78	73	66	56	91	66	73	87
Asian or Pacific Islander	Total	Malignant neoplasms	24	32	33	39	49	53	31	37	54	51	60	80	62	78	76	69	72	89	106
		Diseases of heart	19	24	23	35	30	30	28	31	31	27	47	51	43	37	48	53	52	39	51
	Male	Malignant neoplasms	12	17	16	20	27	23	17	18	16	22	19	39	26	28	28	37	32	41	61
		Diseases of heart	11	17	15	16	19	19	13	21	14	13	27	28	23	15	26	28	25	21	29
	Female	Malignant neoplasms	12	15	17	19	22	30	14	19	38	29	41	41	36	50	48	32	40	48	45
		Diseases of heart	8	7	8	19	11	11	15	10	17	14	20	23	20	22	22	25	27	18	22
Other/Unknown	Total	Malignant neoplasms	0	0	4	4	6	2	3	3	7	25	20	9	4	4	6	5	5	4	16
		Diseases of heart	1	2	7	2	2	3	3	4	6	28	14	15	6	7	14	12	2	5	23
	Male	Malignant neoplasms	0	0	3	3	4	0	2	2	4	14	14	5	2	4	4	5	2	3	10
		Diseases of heart	0	0	5	2	2	2	3	4	4	21	8	12	3	5	11	9	2	3	19
	Female	Malignant neoplasms	0	0	1	1	2	2	1	1	3	11	6	4	2	0	2	0	3	1	6
		Diseases of heart	1	2	2	0	0	1	0	0	2	7	6	3	3	2	3	3	0	2	4

**TABLE 5
NUMBER OF DEATHS FROM CANCER AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE, GENDER, AND YEAR
AMONG ARIZONANS 0-84 YEARS OLD, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
TOTAL STATE	Total	Malignant neoplasms	6,118	6,370	6,561	6,796	7,067	7,112	7,345	7,453	7,502	7,815	7,849	7,745	7,936	8,123	8,190	8,278	8,336	8,451	8,423
		Diseases of heart	6,468	6,363	6,676	7,197	7,077	7,214	7,005	7,048	7,210	7,177	7,128	6,989	7,023	7,084	6,841	7,047	6,712	6,507	6,347
	Male	Malignant neoplasms	3,355	3,521	3,656	3,726	3,876	3,874	4,036	4,059	4,050	4,224	4,235	4,076	4,361	4,429	4,454	4,513	4,515	4,601	4,623
		Diseases of heart	3,910	3,902	4,084	4,398	4,331	4,398	4,302	4,251	4,446	4,412	4,346	4,235	4,303	4,322	4,200	4,299	4,121	4,036	4,038
	Female	Malignant neoplasms	2,763	2,849	2,905	3,070	3,191	3,238	3,309	3,394	3,452	3,591	3,614	3,669	3,575	3,694	3,736	3,765	3,821	3,850	3,800
		Diseases of heart	2,558	2,461	2,592	2,799	2,746	2,816	2,703	2,797	2,764	2,765	2,782	2,754	2,720	2,762	2,641	2,748	2,591	2,471	2,309
APACHE	Total	Malignant neoplasms	45	35	49	51	40	55	60	41	49	50	54	58	53	73	80	58	64	56	72
		Diseases of heart	62	51	59	74	65	65	64	61	70	50	61	58	43	68	65	57	53	66	60
	Male	Malignant neoplasms	25	22	26	24	22	32	28	22	28	25	25	22	25	40	45	39	26	34	35
		Diseases of heart	40	36	45	47	37	33	47	39	48	31	38	36	18	42	41	39	32	46	41
	Female	Malignant neoplasms	20	13	23	27	18	23	32	19	21	25	29	36	28	33	35	19	38	22	37
		Diseases of heart	22	15	14	27	28	32	17	22	22	19	23	22	25	26	24	18	21	20	19
COCHISE	Total	Malignant neoplasms	179	167	191	185	160	206	205	211	233	196	212	220	227	210	240	233	229	219	235
		Diseases of heart	200	194	190	201	201	198	232	215	212	209	204	212	215	224	237	209	234	181	206
	Male	Malignant neoplasms	109	98	117	106	90	123	107	117	124	115	117	121	132	128	127	136	130	133	118
		Diseases of heart	118	120	106	130	125	120	143	131	128	131	121	127	132	138	144	133	143	111	134
	Female	Malignant neoplasms	70	69	74	79	70	83	98	94	109	81	95	99	95	82	113	97	99	86	117
		Diseases of heart	82	74	84	71	76	78	89	84	84	78	83	85	83	86	93	76	91	70	72
COCONINO	Total	Malignant neoplasms	73	81	74	92	81	99	84	93	112	82	96	106	106	112	103	117	106	99	116
		Diseases of heart	69	63	84	87	91	99	61	69	82	77	81	76	73	82	88	88	71	72	100
	Male	Malignant neoplasms	34	32	34	38	41	59	41	42	50	38	52	54	58	54	47	57	65	61	68
		Diseases of heart	42	47	56	58	57	64	33	41	54	49	53	49	57	48	68	51	47	51	56
	Female	Malignant neoplasms	39	49	40	54	40	40	43	51	62	44	44	52	48	58	56	60	41	38	48
		Diseases of heart	27	16	28	29	34	35	28	28	28	28	27	16	34	20	37	24	21	21	44
GILA	Total	Malignant neoplasms	93	105	96	97	102	114	104	115	121	142	128	136	134	118	140	124	128	109	124
		Diseases of heart	126	112	122	135	117	150	126	114	115	94	89	102	105	100	99	115	88	104	95
	Male	Malignant neoplasms	47	64	61	57	52	68	60	71	68	84	81	76	72	67	87	68	78	63	75
		Diseases of heart	76	72	68	81	69	101	69	76	73	55	52	54	62	65	56	75	47	68	59
	Female	Malignant neoplasms	46	41	35	40	50	46	44	44	53	58	47	60	62	51	53	56	50	46	49
		Diseases of heart	50	40	54	54	48	49	57	38	42	39	37	48	43	35	43	40	41	36	36
GRAHAM	Total	Malignant neoplasms	51	40	44	42	43	51	48	36	49	48	45	50	39	45	45	41	50	60	47
		Diseases of heart	43	48	52	46	41	50	46	46	41	38	45	32	44	39	40	32	54	40	42
	Male	Malignant neoplasms	28	20	26	26	25	26	26	22	27	26	24	29	23	22	25	24	31	26	34
		Diseases of heart	23	30	29	26	23	34	25	28	25	23	29	12	24	22	24	19	27	20	26
	Female	Malignant neoplasms	23	20	18	16	18	25	22	14	22	22	21	21	16	23	20	17	19	34	13
		Diseases of heart	20	18	23	20	18	16	21	18	16	15	16	20	20	17	16	13	27	20	16
GREENLEE	Total	Malignant neoplasms	10	16	10	16	13	20	17	10	6	13	13	11	4	13	11	18	13	15	10
		Diseases of heart	15	18	8	18	8	16	7	16	10	20	13	9	12	10	6	8	13	14	4
	Male	Malignant neoplasms	6	7	2	11	5	13	6	4	4	8	8	7	2	7	12	7	7	7	
		Diseases of heart	10	11	3	10	6	11	4	11	7	14	8	5	9	4	2	6	5	10	1
	Female	Malignant neoplasms	4	9	8	5	8	7	11	6	2	5	5	4	2	6	4	6	6	8	3
		Diseases of heart	5	7	5	8	2	5	3	5	3	6	5	4	3	6	4	2	8	4	3
MARICOPA	Total	Malignant neoplasms	3,404	3,577	3,666	3,791	3,951	3,886	4,054	4,094	4,132	4,379	4,370	4,278	4,379	4,410	4,402	4,368	4,436	4,518	4,420
		Diseases of heart	3,551	3,461	3,663	3,954	3,902	3,869	3,919	3,850	3,886	4,003	3,880	3,892	3,845	3,808	3,649	3,836	3,581	3,432	3,208
	Male	Malignant neoplasms	1,829	1,960	2,003	2,068	2,132	2,036	2,195	2,151	2,187	2,334	2,326	2,208	2,362	2,372	2,334	2,334	2,377	2,421	2,355
		Diseases of heart	2,112	2,044	2,192	2,380	2,346	2,331	2,388	2,308	2,351	2,403	2,328	2,339	2,307	2,305	2,198	2,278	2,167	2,092	2,029
	Female	Malignant neoplasms	1,575	1,617	1,663	1,723	1,819	1,850	1,859	1,943	1,945	2,045	2,044	2,070	2,017	2,038	2,068	2,034	2,059	2,097	2,065
		Diseases of heart	1,439	1,417	1,471	1,574	1,556	1,538	1,531	1,542	1,535	1,600	1,552	1,553	1,538	1,503	1,451	1,558	1,414	1,340	1,179
MOHAVE	Total	Malignant neoplasms	249	281	280	305	326	377	357	386	400	424	421	414	435	459	499	517	530	499	539
		Diseases of heart	277	267	282	338	298	331	331	352	444	384	429	372	407	471	494	455	426	403	475
	Male	Malignant neoplasms	161	166	172	188	195	225	227	231	244	255	230	233	262	257	288	270	297	272	317
		Diseases of heart	180	188	188	208	208	211	227	224	296	252	277	244	266	299	325	316	264	263	319
	Female	Malignant neoplasms	88	115	108	117	131	152	130	155	156	169	191	181	173	202	211	247	233	227	222
		Diseases of heart	97	79	94	130	90	120	104	128	148	132	152	128	141	172	169	139	162	140	156

**TABLE 5
NUMBER OF DEATHS FROM CANCER AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE, GENDER, AND YEAR
AMONG ARIZONANS 0-84 YEARS OLD, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
NAVAJO	Total	Malignant neoplasms	81	87	82	95	103	87	98	111	117	120	119	95	97	131	133	130	122	154	147
		Diseases of heart	110	84	95	109	108	106	140	105	91	101	95	96	110	110	107	104	124	110	109
	Male	Malignant neoplasms	42	44	48	48	60	45	52	69	64	61	63	52	52	84	80	73	58	87	88
		Diseases of heart	69	52	53	67	70	68	88	63	59	68	54	65	76	67	67	67	67	79	69
Female	Malignant neoplasms	39	43	34	47	43	42	46	42	53	59	56	43	45	47	53	57	64	67	59	
	Diseases of heart	41	32	42	42	38	38	52	42	32	33	41	31	34	43	40	37	45	41	37	
PIMA	Total	Malignant neoplasms	1,206	1,229	1,270	1,293	1,402	1,270	1,344	1,360	1,317	1,384	1,370	1,373	1,422	1,467	1,442	1,489	1,465	1,507	1,517
		Diseases of heart	1,240	1,294	1,291	1,367	1,355	1,397	1,254	1,345	1,341	1,336	1,287	1,299	1,205	1,230	1,174	1,140	1,135	1,119	1,128
	Male	Malignant neoplasms	654	672	692	691	766	707	717	758	701	751	736	721	760	770	780	819	812	824	817
		Diseases of heart	731	792	803	829	820	837	759	791	804	808	776	764	721	731	714	656	670	653	667
Female	Malignant neoplasms	552	557	578	602	636	563	627	602	616	633	634	652	662	697	662	670	653	683	700	
	Diseases of heart	509	502	488	538	535	560	495	554	537	528	511	535	484	499	460	484	420	452	439	
PINAL	Total	Malignant neoplasms	200	210	234	210	252	287	253	284	289	289	333	322	330	332	329	410	416	434	410
		Diseases of heart	258	199	218	260	251	278	243	270	287	288	323	264	336	321	323	356	340	343	342
	Male	Malignant neoplasms	122	118	135	118	149	159	158	174	173	156	188	181	208	191	185	239	224	239	241
		Diseases of heart	179	126	144	163	165	175	157	174	188	188	208	177	209	196	204	241	220	231	218
Female	Malignant neoplasms	78	92	99	92	103	128	95	110	116	133	145	141	122	141	144	171	192	195	169	
	Diseases of heart	79	73	74	97	86	103	86	96	99	100	115	87	127	125	119	115	120	112	124	
SANTA CRUZ	Total	Malignant neoplasms	36	35	33	40	33	33	49	52	44	43	41	57	43	42	53	52	53	51	40
		Diseases of heart	31	45	39	42	50	33	22	37	39	20	33	28	46	34	36	43	31	42	38
	Male	Malignant neoplasms	20	19	21	21	18	16	30	33	31	28	21	31	20	23	28	28	29	21	22
		Diseases of heart	19	29	20	20	31	16	18	21	24	12	22	20	27	23	26	29	16	22	24
Female	Malignant neoplasms	16	16	12	19	15	17	19	19	13	15	20	26	23	19	25	24	24	30	18	
	Diseases of heart	12	16	19	22	19	17	4	16	15	8	11	8	19	11	10	14	15	20	14	
YAVAPAI	Total	Malignant neoplasms	279	298	319	332	338	369	386	379	381	413	406	389	410	438	412	449	475	451	455
		Diseases of heart	291	317	342	305	338	348	330	344	370	332	365	342	340	363	302	362	343	367	335
	Male	Malignant neoplasms	156	175	195	197	197	212	228	204	209	208	226	208	236	252	242	254	248	239	263
		Diseases of heart	187	215	225	205	216	225	198	202	229	230	231	210	233	228	186	224	219	241	230
Female	Malignant neoplasms	123	123	124	135	141	157	158	175	172	205	180	181	174	186	170	195	227	212	192	
	Diseases of heart	104	102	117	100	122	123	132	142	141	102	134	132	107	135	116	138	124	126	105	
YUMA	Total	Malignant neoplasms	180	170	172	191	166	192	208	203	175	194	207	199	218	231	236	243	211	238	233
		Diseases of heart	168	166	171	193	190	192	163	164	158	174	174	170	189	181	177	190	172	165	159
	Male	Malignant neoplasms	105	104	97	101	95	113	116	116	102	108	115	109	127	134	137	142	114	143	139
		Diseases of heart	109	109	113	124	114	116	101	103	111	111	120	106	124	120	113	127	107	113	105
Female	Malignant neoplasms	75	66	75	90	71	79	92	87	73	86	92	90	91	97	99	101	97	95	94	
	Diseases of heart	59	57	58	69	76	76	62	61	47	63	54	64	65	61	64	63	65	52	54	
LA PAZ	Total	Malignant neoplasms	32	39	35	28	35	43	40	46	41	24	33	35	38	39	59	29	38	38	48
		Diseases of heart	27	44	56	52	44	59	46	37	49	46	46	35	52	40	40	52	47	47	38
	Male	Malignant neoplasms	17	20	22	18	18	27	23	22	21	16	23	23	21	25	38	18	19	28	34
		Diseases of heart	15	31	36	40	32	39	34	24	37	34	28	25	37	32	28	38	33	30	28
Female	Malignant neoplasms	15	19	13	10	17	16	17	24	20	8	10	12	17	14	21	11	19	10	14	
	Diseases of heart	12	13	20	12	12	20	12	13	12	12	18	10	15	8	12	14	14	17	10	
UNKNOWN	Total	Malignant neoplasms	0	0	6	28	22	23	38	32	36	14	1	2	1	3	6	0	0	3	10
		Diseases of heart	0	0	4	16	18	23	21	23	15	5	3	2	1	3	4	0	0	2	8
	Male	Malignant neoplasms	0	0	5	14	11	13	22	23	17	11	0	1	1	3	4	0	0	3	10
		Diseases of heart	0	0	3	10	12	17	11	15	12	3	1	2	1	2	4	0	0	2	7
Female	Malignant neoplasms	0	0	1	14	11	10	16	9	19	3	1	1	0	0	2	0	0	0	0	
	Diseases of heart	0	0	1	6	6	6	10	8	3	2	2	0	0	1	0	0	0	0	1	

**TABLE 6
NUMBER OF DEATHS FROM CANCER AND DISEASES OF THE HEART BY RACE/ETHNICITY, GENDER, AND YEAR
AMONG ARIZONANS 85+ YEARS OLD, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
Total, all groups	Total	Malignant neoplasms	659	739	769	852	883	878	981	976	1,000	1,035	1,144	1,167	1,212	1,327	1,316	1,395	1,431	1,503	1,517	
		Diseases of heart	2,194	2,253	2,504	2,754	2,769	2,886	2,983	2,949	3,064	3,176	3,300	3,316	3,526	3,563	3,560	3,727	3,648	3,638	3,705	
	Male	Malignant neoplasms	316	347	364	411	438	418	487	452	485	483	521	550	621	658	653	671	718	763	740	
		Diseases of heart	765	754	862	944	915	988	1,095	1,022	1,096	1,167	1,247	1,229	1,337	1,325	1,342	1,487	1,415	1,417	1,497	
	Female	Malignant neoplasms	343	392	405	441	445	460	494	524	515	552	623	617	591	669	663	724	713	740	777	
		Diseases of heart	1,429	1,499	1,642	1,810	1,854	1,898	1,888	1,927	1,968	2,009	2,053	2,087	2,189	2,238	2,218	2,240	2,233	2,221	2,208	
White non-Hispanic	Total	Malignant neoplasms	588	659	678	752	801	795	883	888	876	930	1,032	1,054	1,094	1,203	1,180	1,249	1,317	1,353	1,356	
		Diseases of heart	2,004	2,062	2,268	2,519	2,510	2,628	2,754	2,690	2,782	2,885	2,979	3,010	3,227	3,259	3,241	3,422	3,317	3,326	3,336	
	Male	Malignant neoplasms	292	310	316	357	394	375	436	410	427	429	467	499	559	601	581	596	650	686	669	
		Diseases of heart	683	681	774	849	812	910	1,006	929	976	1,045	1,135	1,122	1,222	1,218	1,229	1,360	1,283	1,301	1,361	
	Female	Malignant neoplasms	296	349	362	395	407	420	447	478	449	501	565	555	535	602	599	653	667	667	687	
		Diseases of heart	1,321	1,381	1,494	1,670	1,698	1,718	1,748	1,761	1,806	1,840	1,844	1,888	2,005	2,041	2,012	2,062	2,034	2,025	1,975	
Hispanic or Latino	Total	Malignant neoplasms	42	44	57	68	44	53	60	53	74	65	76	83	80	77	86	93	73	92	105	
		Diseases of heart	123	114	149	145	150	169	152	167	176	187	215	214	208	202	198	202	213	193	262	
	Male	Malignant neoplasms	11	21	27	40	24	30	33	22	29	29	36	37	44	37	47	47	41	46	45	
		Diseases of heart	49	44	53	52	61	47	56	60	74	78	83	72	75	74	75	83	82	77	93	
	Female	Malignant neoplasms	31	23	30	28	20	23	27	31	45	36	40	46	36	40	39	46	32	46	60	
		Diseases of heart	74	70	96	93	89	122	96	107	102	109	132	142	133	128	123	119	131	116	169	
Black or African American	Total	Malignant neoplasms	13	18	18	12	19	9	16	20	25	18	15	16	13	25	26	22	16	21	20	
		Diseases of heart	33	37	36	38	43	40	36	44	48	44	58	39	42	58	50	45	60	62	47	
	Male	Malignant neoplasms	5	7	12	5	11	3	8	13	14	12	10	10	9	10	14	9	9	14	6	
		Diseases of heart	11	10	15	13	14	14	13	13	17	17	14	13	18	15	8	13	24	21	17	
	Female	Malignant neoplasms	8	11	6	7	8	6	8	7	11	6	5	6	4	15	12	13	7	7	14	
		Diseases of heart	22	27	21	25	29	26	23	31	31	27	44	26	24	43	42	32	36	41	30	
American Indian or Alaska Native	Total	Malignant neoplasms	13	13	12	17	12	15	20	11	18	16	16	8	19	16	19	26	19	30	23	
		Diseases of heart	30	37	41	39	53	37	32	37	51	36	36	41	32	30	50	34	38	43	43	
	Male	Malignant neoplasms	7	7	7	8	4	6	9	6	10	8	5	2	6	5	8	18	12	15	12	
		Diseases of heart	20	19	16	23	22	10	15	14	28	19	12	18	13	11	18	18	16	14	19	
	Female	Malignant neoplasms	6	6	5	9	8	9	11	5	8	8	11	6	13	11	11	8	7	15	11	
		Diseases of heart	10	18	25	16	31	27	17	23	23	17	24	23	19	19	32	16	22	29	24	
Asian or Pacific Islander	Total	Malignant neoplasms	2	4	3	3	7	6	2	4	6	3	4	2	5	6	5	4	6	6	9	
		Diseases of heart	4	3	10	12	13	11	7	9	6	11	12	8	17	12	17	22	19	14	15	
	Male	Malignant neoplasms	1	2	2	1	5	4	1	1	4	2	3	0	3	5	3	1	6	1	6	
		Diseases of heart	2	0	4	6	6	6	4	5	0	4	3	1	9	5	9	12	10	4	7	
	Female	Malignant neoplasms	1	2	1	2	2	2	1	3	2	1	1	2	2	1	2	3	0	5	3	
		Diseases of heart	2	3	6	6	7	5	3	4	6	7	9	7	8	7	8	10	9	10	8	
Other/Unknown	Total	Malignant neoplasms	1	1	1	0	0	0	0	0	1	3	1	4	1	0	0	1	0	1	4	
		Diseases of heart	0	0	0	1	0	1	2	2	1	13	0	4	0	2	4	2	1	0	2	
	Male	Malignant neoplasms	0	0	0	0	0	0	0	0	1	3	0	2	0	0	0	0	0	0	1	2
		Diseases of heart	0	0	0	1	0	1	1	1	1	4	0	3	0	2	3	1	0	0	0	
	Female	Malignant neoplasms	1	1	1	0	0	0	0	0	0	0	1	2	1	0	0	1	0	0	2	
		Diseases of heart	0	0	0	0	0	0	1	1	0	9	0	1	0	0	1	1	1	0	2	

TABLE 7
NUMBER OF DEATHS FROM CANCER AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE, GENDER, AND YEAR
AMONG ARIZONANS 85+ YEARS OLD, 1990-2008

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
TOTAL STATE	Total	Malignant neoplasms	659	739	769	852	883	878	981	976	1,000	1,035	1,144	1,167	1,212	1,327	1,316	1,395	1,431	1,503	1,517
		Diseases of heart	2,194	2,253	2,504	2,754	2,769	2,886	2,983	2,949	3,064	3,176	3,300	3,316	3,526	3,563	3,560	3,727	3,648	3,638	3,705
	Male	Malignant neoplasms	316	347	364	411	438	418	487	452	485	483	521	550	621	658	653	671	718	763	740
		Diseases of heart	765	754	862	944	915	988	1,095	1,022	1,096	1,167	1,247	1,229	1,337	1,325	1,342	1,487	1,415	1,417	1,497
	Female	Malignant neoplasms	343	392	405	441	445	460	494	524	515	552	623	617	591	669	663	724	713	740	777
		Diseases of heart	1,429	1,499	1,642	1,810	1,854	1,898	1,888	1,927	1,968	2,009	2,053	2,087	2,189	2,238	2,218	2,240	2,233	2,221	2,208
APACHE	Total	Malignant neoplasms	7	7	6	9	6	7	4	5	9	7	9	3	7	13	9	8	7	14	14
		Diseases of heart	10	18	19	16	23	21	15	17	24	12	17	11	23	21	29	16	23	24	21
	Male	Malignant neoplasms	3	2	4	4	3	5	3	2	4	2	4	1	3	8	5	6	4	6	7
		Diseases of heart	5	8	5	12	13	7	5	7	15	5	7	6	6	12	5	12	10	12	9
	Female	Malignant neoplasms	4	5	2	5	3	2	1	3	5	5	5	2	4	5	4	2	3	8	7
		Diseases of heart	5	10	14	4	10	14	10	10	9	7	10	5	11	16	17	6	11	15	13
COCHISE	Total	Malignant neoplasms	12	16	17	24	11	22	20	24	27	25	25	30	19	38	26	27	39	35	44
		Diseases of heart	63	50	51	70	60	79	75	81	101	76	73	77	75	82	65	87	85	104	84
	Male	Malignant neoplasms	6	7	7	12	6	16	13	10	11	16	9	17	14	20	16	12	20	21	22
		Diseases of heart	24	20	23	23	21	20	23	32	36	29	29	28	31	24	23	36	36	41	30
	Female	Malignant neoplasms	6	9	10	12	5	6	7	14	16	9	16	13	5	18	10	15	19	14	22
		Diseases of heart	39	30	28	47	39	59	52	49	65	47	44	49	44	58	42	51	49	63	54
COCONINO	Total	Malignant neoplasms	8	4	9	5	6	10	11	5	10	11	10	9	7	23	18	9	14	22	14
		Diseases of heart	21	18	24	21	19	20	17	20	29	17	24	40	28	26	34	36	30	42	37
	Male	Malignant neoplasms	3	2	5	2	4	4	4	2	7	7	4	4	2	8	12	2	3	9	7
		Diseases of heart	7	6	6	8	10	10	10	8	11	10	8	10	11	10	11	12	14	14	13
	Female	Malignant neoplasms	5	2	4	3	2	6	7	3	3	4	6	5	5	15	6	7	11	13	7
		Diseases of heart	14	12	18	13	9	10	7	12	18	7	16	30	17	16	23	24	16	28	24
GILA	Total	Malignant neoplasms	10	8	9	10	12	12	15	12	16	18	15	22	18	16	21	23	20	27	18
		Diseases of heart	30	41	33	54	53	43	37	50	49	34	50	52	48	51	42	54	43	58	50
	Male	Malignant neoplasms	2	6	4	5	3	4	9	8	9	7	8	8	11	11	17	10	16	14	10
		Diseases of heart	10	15	13	16	20	17	9	16	20	11	22	22	18	24	13	22	18	26	20
	Female	Malignant neoplasms	8	2	5	5	9	8	6	4	7	11	7	14	7	5	4	13	4	13	8
		Diseases of heart	20	26	20	38	33	26	28	34	29	23	28	30	30	27	29	32	25	32	30
GRAHAM	Total	Malignant neoplasms	4	4	7	4	6	5	12	8	12	15	12	6	10	9	10	10	7	9	8
		Diseases of heart	19	11	23	18	16	16	22	21	21	24	17	22	27	17	23	22	26	15	20
	Male	Malignant neoplasms	2	1	3	1	1	2	5	4	6	5	9	1	5	5	5	3	4	5	3
		Diseases of heart	7	5	13	7	3	10	11	11	8	9	6	5	13	10	7	11	10	7	6
	Female	Malignant neoplasms	2	3	4	3	5	3	7	4	6	10	3	5	5	4	5	7	3	4	5
		Diseases of heart	12	6	10	11	13	6	11	10	13	15	11	17	14	7	16	11	16	8	14
GREENLEE	Total	Malignant neoplasms	2	2	0	3	2	0	1	2	1	2	3	1	4	2	3	0	7	2	2
		Diseases of heart	2	1	4	3	2	2	1	2	5	0	5	1	4	7	4	5	2	2	2
	Male	Malignant neoplasms	1	1	0	3	0	0	1	1	0	1	2	1	2	1	2	0	3	1	0
		Diseases of heart	1	0	0	1	1	1	1	0	1	0	2	1	0	1	2	2	0	2	0
	Female	Malignant neoplasms	1	1	0	0	2	0	0	1	1	1	1	0	2	1	1	0	4	1	2
		Diseases of heart	1	1	4	2	1	1	0	2	4	0	3	0	4	6	2	3	2	0	2
MARICOPA	Total	Malignant neoplasms	390	459	459	488	554	530	572	575	580	611	698	697	687	749	766	810	801	805	854
		Diseases of heart	1,248	1,358	1,471	1,601	1,618	1,724	1,802	1,716	1,779	1,912	2,039	2,022	2,095	2,157	2,125	2,173	2,137	2,085	2,116
	Male	Malignant neoplasms	194	218	210	229	273	239	290	271	276	279	304	310	342	376	372	384	378	407	424
		Diseases of heart	422	427	504	546	521	578	650	578	618	690	733	760	769	813	806	847	808	805	845
	Female	Malignant neoplasms	196	241	249	259	281	291	282	304	304	332	394	387	345	373	394	426	423	398	430
		Diseases of heart	826	931	967	1,055	1,097	1,146	1,152	1,138	1,161	1,222	1,306	1,262	1,326	1,344	1,319	1,326	1,329	1,280	1,271
MOHAVE	Total	Malignant neoplasms	19	24	25	23	26	16	27	47	30	37	31	41	60	55	70	62	74	59	58
		Diseases of heart	59	54	68	95	81	63	74	97	121	107	107	103	99	118	124	160	135	148	188
	Male	Malignant neoplasms	11	10	12	12	14	7	8	19	18	19	16	26	29	22	36	35	43	28	30
		Diseases of heart	25	27	23	33	19	27	31	35	44	38	44	46	48	42	46	73	60	59	81
	Female	Malignant neoplasms	8	14	13	11	12	9	19	28	12	18	15	15	31	33	34	27	31	31	28
		Diseases of heart	34	27	45	62	62	36	43	62	77	69	63	57	51	76	78	87	75	89	107

**TABLE 7
NUMBER OF DEATHS FROM CANCER AND DISEASES OF THE HEART BY COUNTY OF RESIDENCE, GENDER, AND YEAR
AMONG ARIZONANS 85+ YEARS OLD, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
NAVAJO	Total	Malignant neoplasms	6	9	13	10	9	7	11	17	11	17	14	15	13	6	23	23	18	28	20	
		Diseases of heart	30	27	30	37	49	35	30	33	32	24	36	38	29	42	43	34	44	42	42	42
	Male	Malignant neoplasms	4	4	4	3	4	2	9	8	6	11	8	9	6	0	9	13	10	11	8	
		Diseases of heart	16	15	13	16	19	7	7	15	13	14	12	16	9	16	15	16	17	19	18	
	Female	Malignant neoplasms	2	5	9	7	5	5	2	9	5	6	6	6	7	6	14	10	8	17	12	
		Diseases of heart	14	12	17	21	30	28	23	18	19	10	24	22	20	26	28	18	27	23	24	
PIMA	Total	Malignant neoplasms	135	138	151	203	172	171	207	173	196	199	206	224	239	250	232	266	271	320	309	
		Diseases of heart	514	465	530	567	570	582	652	565	602	651	635	641	733	683	693	691	687	737	693	
	Male	Malignant neoplasms	54	60	74	97	88	87	89	72	96	88	96	112	124	122	104	119	139	159	135	
		Diseases of heart	175	149	159	170	197	213	250	192	207	222	249	227	280	251	256	267	250	278	278	
	Female	Malignant neoplasms	81	78	77	106	84	84	118	101	100	111	110	112	115	128	128	147	132	161	174	
		Diseases of heart	339	316	371	397	373	369	402	373	395	429	386	414	453	432	437	424	437	459	415	
PINAL	Total	Malignant neoplasms	22	17	20	15	21	28	21	24	31	17	43	29	45	36	32	46	50	46	34	
		Diseases of heart	50	45	55	51	75	78	68	100	86	91	68	81	108	114	117	141	116	108	147	
	Male	Malignant neoplasms	12	10	11	6	13	14	12	11	15	10	20	14	24	19	23	24	29	28	16	
		Diseases of heart	21	21	23	25	28	24	23	42	33	40	29	30	48	32	39	62	43	43	55	
	Female	Malignant neoplasms	10	7	9	9	8	14	9	13	16	7	23	15	21	17	9	22	21	18	18	
		Diseases of heart	29	24	32	26	47	54	45	58	53	51	39	51	60	82	78	79	73	65	92	
SANTA CRUZ	Total	Malignant neoplasms	6	8	6	3	4	9	7	10	5	4	4	10	9	12	7	9	8	9	10	
		Diseases of heart	9	14	12	16	16	19	13	11	13	11	16	9	26	12	13	20	19	14	22	
	Male	Malignant neoplasms	4	2	3	3	2	3	3	7	3	1	1	3	4	4	3	4	6	5	5	
		Diseases of heart	1	5	4	7	6	3	5	2	5	3	6	1	10	4	3	12	9	7	10	
	Female	Malignant neoplasms	2	6	3	0	2	6	4	3	2	3	3	7	5	8	4	5	2	4	5	
		Diseases of heart	8	9	8	9	10	16	8	9	8	8	10	8	16	8	10	8	10	7	12	
YAVAPAI	Total	Malignant neoplasms	23	29	32	36	42	37	50	53	46	52	53	51	62	82	64	72	76	97	88	
		Diseases of heart	94	105	139	143	122	149	124	168	139	153	146	144	145	157	168	198	208	178	205	
	Male	Malignant neoplasms	14	16	17	21	19	20	31	24	20	23	28	24	34	41	31	45	39	49	42	
		Diseases of heart	33	35	53	49	33	44	45	59	57	67	60	48	54	54	66	74	97	69	97	
	Female	Malignant neoplasms	9	13	15	15	23	17	19	29	26	29	25	27	28	41	33	27	37	48	46	
		Diseases of heart	61	70	86	94	89	105	79	109	82	86	86	96	91	103	102	124	111	109	108	
YUMA	Total	Malignant neoplasms	12	12	13	18	12	19	21	20	20	18	19	24	31	31	29	29	36	27	33	
		Diseases of heart	37	35	36	59	56	47	44	57	55	55	54	66	71	67	70	80	82	68	70	
	Male	Malignant neoplasms	3	6	8	13	8	12	10	12	10	12	12	16	20	19	15	13	22	19	22	
		Diseases of heart	15	14	16	29	20	19	23	19	27	24	32	25	27	33	35	37	38	29	32	
	Female	Malignant neoplasms	9	6	5	5	4	7	11	8	10	6	7	8	11	12	14	16	14	8	11	
		Diseases of heart	22	21	20	30	36	28	21	38	28	31	22	41	44	34	35	43	44	39	38	
LA PAZ	Total	Malignant neoplasms	3	2	2	1	0	5	2	1	5	2	2	5	1	5	5	1	3	3	7	
		Diseases of heart	8	11	9	3	9	8	9	10	7	8	12	9	15	8	9	10	11	12	7	
	Male	Malignant neoplasms	3	2	2	0	0	3	0	1	4	2	0	4	1	2	3	1	2	1	6	
		Diseases of heart	3	7	7	2	4	8	2	6	0	4	7	4	7	5	8	6	3	9	4	
	Female	Malignant neoplasms	0	0	0	1	0	2	2	0	1	0	2	1	0	3	2	0	1	2	1	
		Diseases of heart	5	4	2	1	5	0	7	4	7	4	5	5	8	3	1	4	8	3	3	
UNKNOWN	Total	Malignant neoplasms	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	4	
		Diseases of heart	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	1	1	
	Male	Malignant neoplasms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Diseases of heart	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	
	Female	Malignant neoplasms	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	
		Diseases of heart	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	

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 1900-2008)

Age group	Gender	Count	Col %	Count	Col %
0-84	Male	80,334	61.3%	78,184	54.5%
	Female	50,779	38.7%	65,286	45.5%
	Total	131,113	100.0%	143,470	100.0%
85+	Male	21,904	36.8%	10,096	48.6%
	Female	37,611	63.2%	10,688	51.4%
	Total	59,515	100.0%	20,784	100.0%
Unknown age group	Male	36	56.3%	7	43.8%
	Female	28	43.8%	9	56.3%
	Total	64	100.0%	16	100.0%

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, 1990-2008

		0-84				85+			
		Diseases of heart		Malignant neoplasms		Diseases of heart		Malignant neoplasms	
		Count	Col %	Count	Col %	Count	Col %	Count	Col %
1990	Male	3,910	60.5%	3,355	54.8%	765	34.9%	316	48.0%
	Female	2,558	39.5%	2,763	45.2%	1,429	65.1%	343	52.0%
	Total	6,468	100.0%	6,118	100.0%	2,194	100.0%	659	100.0%
1991	Male	3,902	61.3%	3,521	55.3%	754	33.5%	347	47.0%
	Female	2,461	38.7%	2,849	44.7%	1,499	66.5%	392	53.0%
	Total	6,363	100.0%	6,370	100.0%	2,253	100.0%	739	100.0%
1992	Male	4,084	61.2%	3,656	55.7%	862	34.4%	364	47.3%
	Female	2,592	38.8%	2,905	44.3%	1,642	65.6%	405	52.7%
	Total	6,676	100.0%	6,561	100.0%	2,504	100.0%	769	100.0%
1993	Male	4,398	61.1%	3,726	54.8%	944	34.3%	411	48.2%
	Female	2,799	38.9%	3,070	45.2%	1,810	65.7%	441	51.8%
	Total	7,197	100.0%	6,796	100.0%	2,754	100.0%	852	100.0%
1994	Male	4,331	61.2%	3,876	54.8%	915	33.0%	438	49.6%
	Female	2,746	38.8%	3,191	45.2%	1,854	67.0%	445	50.4%
	Total	7,077	100.0%	7,067	100.0%	2,769	100.0%	883	100.0%
1995	Male	4,398	61.0%	3,874	54.5%	988	34.2%	418	47.6%
	Female	2,816	39.0%	3,238	45.5%	1,898	65.8%	460	52.4%
	Total	7,214	100.0%	7,112	100.0%	2,886	100.0%	878	100.0%
1996	Male	4,302	61.4%	4,036	54.9%	1,095	36.7%	487	49.6%
	Female	2,703	38.6%	3,309	45.1%	1,888	63.3%	494	50.4%
	Total	7,005	100.0%	7,345	100.0%	2,983	100.0%	981	100.0%
1997	Male	4,251	60.3%	4,059	54.5%	1,022	34.7%	452	46.3%
	Female	2,797	39.7%	3,394	45.5%	1,927	65.3%	524	53.7%
	Total	7,048	100.0%	7,453	100.0%	2,949	100.0%	976	100.0%
1998	Male	4,446	61.7%	4,050	54.0%	1,096	35.8%	485	48.5%
	Female	2,764	38.3%	3,452	46.0%	1,968	64.2%	515	51.5%
	Total	7,210	100.0%	7,502	100.0%	3,064	100.0%	1,000	100.0%
1999	Male	4,412	61.5%	4,224	54.0%	1,167	36.7%	483	46.7%
	Female	2,765	38.5%	3,591	46.0%	2,009	63.3%	552	53.3%
	Total	7,177	100.0%	7,815	100.0%	3,176	100.0%	1,035	100.0%
2000	Male	4,346	61.0%	4,235	54.0%	1,247	37.8%	521	45.5%
	Female	2,782	39.0%	3,614	46.0%	2,053	62.2%	623	54.5%
	Total	7,128	100.0%	7,849	100.0%	3,300	100.0%	1,144	100.0%
2001	Male	4,235	60.6%	4,076	52.6%	1,229	37.1%	550	47.1%
	Female	2,754	39.4%	3,669	47.4%	2,087	62.9%	617	52.9%
	Total	6,989	100.0%	7,745	100.0%	3,316	100.0%	1,167	100.0%
2002	Male	4,303	61.3%	4,361	55.0%	1,337	37.9%	621	51.2%
	Female	2,720	38.7%	3,575	45.0%	2,189	62.1%	591	48.8%
	Total	7,023	100.0%	7,936	100.0%	3,526	100.0%	1,212	100.0%
2003	Male	4,322	61.0%	4,429	54.5%	1,325	37.2%	658	49.6%
	Female	2,762	39.0%	3,694	45.5%	2,238	62.8%	669	50.4%
	Total	7,084	100.0%	8,123	100.0%	3,563	100.0%	1,327	100.0%
2004	Male	4,200	61.4%	4,454	54.4%	1,342	37.7%	653	49.6%
	Female	2,641	38.6%	3,736	45.6%	2,218	62.3%	663	50.4%
	Total	6,841	100.0%	8,190	100.0%	3,560	100.0%	1,316	100.0%
2005	Male	4,299	61.0%	4,513	54.5%	1,487	39.9%	671	48.1%
	Female	2,748	39.0%	3,765	45.5%	2,240	60.1%	724	51.9%
	Total	7,047	100.0%	8,278	100.0%	3,727	100.0%	1,395	100.0%
2006	Male	4,121	61.4%	4,515	54.2%	1,415	38.8%	718	50.2%
	Female	2,591	38.6%	3,821	45.8%	2,233	61.2%	713	49.8%
	Total	6,712	100.0%	8,336	100.0%	3,648	100.0%	1,431	100.0%
2007	Male	4,036	62.0%	4,601	54.4%	1,417	38.9%	763	50.8%
	Female	2,471	38.0%	3,850	45.6%	2,221	61.1%	740	49.2%
	Total	6,507	100.0%	8,451	100.0%	3,638	100.0%	1,503	100.0%
2008	Male	4,038	63.6%	4,623	54.9%	1,497	40.4%	740	48.8%
	Female	2,309	36.4%	3,800	45.1%	2,208	59.6%	777	51.2%
	Total	6,347	100.0%	8,423	100.0%	3,705	100.0%	1,517	100.0%

**TABLE 10
DEATHS FROM HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
All groups	Total	<1	5	7	14	7	4	10	10	10	8	17	14	9	12	14	14	7	9	9	9	
		1-4	0	9	0	2	4	3	3	5	9	7	4	3	4	2	6	1	5	2	4	
		5-14	5	3	5	12	7	7	3	8	3	4	3	3	4	4	4	4	3	7	3	3
		15-24	11	12	12	15	13	14	15	17	19	17	10	19	16	17	17	15	19	23	8	
		25-34	32	50	38	60	42	42	64	50	61	44	41	38	49	47	45	48	47	53	37	
		35-44	127	159	162	168	187	199	204	186	189	188	168	190	190	184	181	201	177	173	129	
		45-54	347	349	393	471	444	483	487	519	508	505	533	516	586	555	529	587	605	581	515	
		55-64	906	907	918	967	939	959	934	918	990	988	953	971	1,012	1,005	1,110	1,171	1,148	1,146	1,129	
		65-74	1,894	2,044	2,154	2,245	2,296	2,237	2,118	2,072	2,038	2,072	1,733	1,925	1,836	1,831	1,766	1,730	1,647	1,577	1,624	
		75-84	2,882	2,823	2,980	3,250	3,141	3,260	3,167	3,263	3,385	3,335	3,407	3,314	3,314	3,425	3,169	3,284	3,048	2,940	2,889	
	85+	2,194	2,253	2,505	2,756	2,772	2,887	2,986	2,952	3,066	3,176	3,300	3,317	3,526	3,563	3,560	3,727	3,648	3,638	3,705		
	Male	<1	3	5	10	4	3	8	5	8	5	9	7	5	7	7	8	1	6	3	5	
		1-4	0	4	0	1	3	3	0	4	4	3	3	1	2	2	4	1	3	1	3	
		5-14	2	3	3	5	4	5	2	3	2	1	3	1	1	2	3	2	3	2	1	
		15-24	9	6	10	7	9	11	6	10	14	12	7	15	11	8	13	9	14	15	5	
		25-34	22	31	28	45	24	28	45	34	42	31	21	29	33	32	29	33	39	37	26	
		35-44	98	123	128	131	138	145	155	135	141	140	133	130	138	137	132	136	134	121	93	
		45-54	259	262	301	361	330	355	360	389	395	392	387	365	416	409	386	440	460	433	391	
		55-64	641	663	642	683	672	664	677	638	691	683	660	693	723	710	785	834	816	802	806	
		65-74	1,225	1,321	1,390	1,457	1,488	1,436	1,346	1,298	1,302	1,348	1,120	1,224	1,184	1,172	1,115	1,099	1,051	1,030	1,064	
		75-84	1,491	1,484	1,572	1,704	1,660	1,743	1,706	1,732	1,850	1,793	1,832	1,771	1,788	1,843	1,725	1,744	1,595	1,592	1,644	
	85+	765	754	862	945	915	989	1,095	1,023	1,096	1,167	1,247	1,229	1,337	1,325	1,342	1,487	1,415	1,417	1,497		
	Female	<1	2	2	4	3	1	2	5	2	3	8	7	4	5	7	6	6	3	6	4	
		1-4	0	5	0	1	1	0	3	1	5	4	1	2	2	0	2	0	2	1	1	
		5-14	3	0	2	7	3	2	1	5	1	3	0	2	3	2	1	1	4	1	2	
		15-24	2	6	2	8	4	3	9	7	5	5	3	4	5	9	4	6	5	8	3	
		25-34	10	19	10	15	18	14	19	16	19	13	20	9	16	15	16	15	8	16	11	
		35-44	29	36	34	37	49	54	49	51	48	48	35	60	52	47	49	65	43	52	36	
		45-54	88	87	92	110	114	128	127	130	113	113	146	151	170	146	143	147	145	148	124	
55-64		265	244	276	284	267	295	257	280	299	305	293	278	289	295	325	337	332	344	323		
65-74		669	723	764	788	808	801	772	774	736	724	613	701	652	659	651	631	596	547	560		
75-84		1,391	1,339	1,408	1,546	1,481	1,517	1,461	1,531	1,535	1,542	1,575	1,543	1,526	1,582	1,444	1,540	1,453	1,348	1,245		
85+	1,429	1,499	1,643	1,811	1,857	1,898	1,891	1,929	1,970	2,009	2,053	2,088	2,189	2,238	2,218	2,240	2,233	2,221	2,208			
White non Hispanic	Total	<1	3	4	8	1	1	5	5	3	1	6	3	5	5	6	4	3	4	3	5	
		1-4	0	6	0	0	2	2	0	2	0	2	0	1	0	0	1	0	2	1	2	
		5-14	3	1	4	5	4	4	1	4	2	2	2	1	2	2	1	3	0	1		
		15-24	8	6	6	7	9	9	8	11	12	7	7	9	8	7	7	7	8	9	5	
		25-34	20	31	25	37	29	26	38	27	34	28	22	21	29	25	26	22	21	27	15	
		35-44	98	119	113	119	134	131	146	141	137	134	117	130	131	137	124	134	121	98	83	
		45-54	260	288	304	367	354	387	378	408	393	397	408	393	452	429	406	424	449	436	374	
		55-64	768	757	739	769	768	797	765	736	805	791	756	755	808	826	874	929	924	877	866	
		65-74	1,689	1,758	1,872	1,934	1,972	1,913	1,812	1,784	1,658	1,765	1,455	1,586	1,538	1,503	1,435	1,420	1,359	1,308	1,315	
		75-84	2,597	2,557	2,665	2,948	2,864	2,913	2,858	2,930	3,041	2,986	3,045	2,959	2,946	3,007	2,783	2,879	2,637	2,511	2,537	
		85+	2,004	2,062	2,268	2,521	2,510	2,628	2,755	2,691	2,783	2,885	2,979	3,011	3,227	3,259	3,241	3,422	3,317	3,326	3,336	

**TABLE 10
DEATHS FROM HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008		
	Male	<1	2	2	5	1	1	3	3	2	0	4	1	4	4	2	2	0	2	1	2	
		1-4	0	3	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0	1	1	1
		5-14	2	1	2	2	3	2	1	2	1	1	2	0	1	1	2	1	1	0	1	
		15-24	6	3	6	2	6	6	3	5	9	4	4	6	5	3	7	6	6	7	2	
		25-34	14	18	17	29	18	18	26	16	24	19	10	19	21	17	13	17	18	19	10	
		35-44	79	90	96	95	98	97	109	100	106	100	88	83	95	100	95	91	89	70	58	
		45-54	199	217	238	296	268	289	293	309	312	308	301	276	328	314	299	324	341	332	291	
		55-64	542	555	531	559	556	566	569	516	577	558	542	554	578	590	624	673	655	620	620	
		65-74	1,107	1,141	1,214	1,286	1,291	1,242	1,166	1,135	1,063	1,160	961	1,031	1,004	973	927	913	874	877	875	
		75-84	1,340	1,353	1,398	1,550	1,522	1,566	1,533	1,581	1,686	1,627	1,645	1,578	1,614	1,621	1,538	1,542	1,390	1,384	1,452	
	85+	683	681	774	850	812	910	1,006	929	976	1,045	1,135	1,122	1,222	1,218	1,229	1,360	1,283	1,301	1,361		
	Female	<1	1	2	3	0	0	2	2	1	1	2	2	1	1	4	2	3	2	2	3	
		1-4	0	3	0	0	1	0	0	1	0	2	0	1	0	0	1	0	1	0	1	
		5-14	1	0	2	3	1	2	0	2	1	1	0	1	1	1	0	0	2	0	0	
		15-24	2	3	0	5	3	3	5	6	3	3	3	3	3	4	0	1	2	2	3	
		25-34	6	13	8	8	11	8	12	11	10	9	12	2	8	8	13	5	3	8	5	
		35-44	19	29	17	24	36	34	37	41	31	34	29	47	36	37	29	43	32	28	25	
		45-54	61	71	66	71	86	98	85	99	81	89	107	117	124	115	107	100	108	104	83	
		55-64	226	202	208	210	212	231	196	220	228	233	214	201	230	236	250	256	269	257	246	
		65-74	582	617	658	648	681	671	646	649	595	605	494	555	534	530	508	507	485	431	440	
75-84		1,257	1,204	1,267	1,398	1,342	1,347	1,325	1,349	1,355	1,359	1,400	1,381	1,332	1,386	1,245	1,337	1,247	1,127	1,085		
85+	1,321	1,381	1,494	1,671	1,698	1,718	1,749	1,762	1,807	1,840	1,844	1,889	2,005	2,041	2,012	2,062	2,034	2,025	1,975			
Hispanic or Latino	Total	<1	1	2	2	3	2	4	3	5	2	9	6	1	5	5	6	2	4	4	3	
		1-4	0	3	0	1	0	1	0	3	3	3	3	2	2	2	4	1	3	1	2	
		5-14	1	2	1	5	3	1	1	4	1	2	1	2	1	1	2	2	3	2	2	
		15-24	1	1	4	6	2	2	3	5	4	7	3	7	3	7	6	5	5	7	2	
		25-34	6	12	3	10	7	6	17	10	12	8	10	9	16	14	10	11	15	18	6	
		35-44	14	18	21	25	27	34	30	29	21	25	27	26	35	19	33	34	26	44	19	
		45-54	46	35	47	42	44	56	61	59	64	55	74	69	85	65	71	87	85	85	77	
		55-64	73	89	95	119	93	100	96	93	105	102	118	126	120	102	146	151	126	167	144	
		65-74	118	172	188	191	194	212	192	183	251	188	171	208	199	193	208	186	179	176	180	
		75-84	181	174	177	201	186	218	197	225	226	224	227	232	243	292	272	268	266	300	242	
	85+	123	114	149	145	152	169	152	167	176	187	215	214	208	202	198	202	213	193	262		
	Male	<1	0	2	2	2	1	4	1	5	2	4	4	1	3	3	4	1	3	1	2	
		1-4	0	1	0	0	0	1	0	3	2	2	3	1	0	2	4	1	2	0	2	
		5-14	0	2	1	3	1	1	0	1	1	0	1	1	0	1	1	1	2	2	0	
		15-24	1	1	3	4	2	2	2	5	2	6	3	6	2	3	3	2	3	5	2	
		25-34	6	10	3	7	4	4	14	8	8	6	6	5	9	10	8	8	13	13	4	
		35-44	9	17	17	19	24	28	26	21	16	19	27	19	25	19	24	25	19	34	16	
		45-54	33	25	33	27	26	40	44	47	49	46	56	56	52	49	53	61	61	60	60	
		55-64	56	62	63	77	57	57	67	63	60	67	75	78	86	70	99	105	87	119	111	
		65-74	74	115	112	106	114	121	115	105	157	115	102	129	124	125	115	112	111	106	120	
75-84		97	90	100	109	89	121	119	104	108	111	108	136	116	161	136	140	130	148	141		
85+	49	44	53	52	61	47	56	60	74	78	83	72	75	74	75	83	82	77	93			

**TABLE 10
DEATHS FROM HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
	Female	<1	1	0	0	1	1	0	2	0	0	5	2	0	2	2	2	1	1	3	1	
		1-4	0	2	0	1	0	0	0	0	1	1	0	1	2	0	0	0	0	1	1	0
		5-14	1	0	0	2	2	0	1	3	0	2	0	1	1	0	1	1	1	1	0	2
		15-24	0	0	1	2	0	0	1	0	2	1	0	1	1	4	3	3	3	2	2	0
		25-34	0	2	0	3	3	2	3	2	4	2	4	4	7	4	2	3	2	5	2	2
		35-44	5	1	4	6	3	6	4	8	5	6	0	7	10	0	9	9	7	10	3	3
		45-54	13	10	14	15	18	16	17	12	15	9	18	13	33	16	18	26	24	25	17	17
		55-64	17	27	32	42	36	43	29	30	45	35	43	48	34	32	47	46	39	48	33	33
		65-74	44	57	76	85	80	91	77	78	94	73	69	79	75	68	93	74	68	70	60	60
		75-84	84	84	77	92	97	97	78	121	118	113	119	96	127	131	136	128	136	152	101	101
85+	74	70	96	93	91	122	96	107	102	109	132	142	133	128	123	119	131	116	169	169		
Black or African American	Total	<1	0	1	1	0	0	1	1	0	0	0	2	0	1	1	1	0	0	0	1	
		1-4	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
		5-14	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	1	0
		15-24	0	2	0	1	0	1	1	0	1	1	0	1	2	3	3	1	4	4	0	0
		25-34	4	5	3	5	3	2	5	5	8	4	2	3	1	3	4	9	5	1	12	12
		35-44	6	14	12	9	10	19	18	7	16	12	11	17	13	17	11	20	12	11	15	15
		45-54	13	15	22	25	19	18	22	27	28	23	24	22	27	42	30	27	45	36	27	27
		55-64	35	28	38	33	39	36	31	42	35	43	31	47	35	31	41	33	50	55	59	59
		65-74	48	75	47	51	62	45	53	43	58	49	40	57	39	67	64	49	59	49	51	51
		75-84	48	40	74	45	44	61	48	45	65	60	62	54	50	69	45	63	60	55	46	46
	85+	33	37	36	38	43	40	36	44	48	44	58	39	42	58	50	45	60	62	47	47	
	Male	<1	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	1
		1-4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		5-14	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		15-24	0	1	0	0	0	1	0	0	1	1	0	1	2	2	2	1	3	2	0	0
		25-34	2	1	3	2	1	1	2	3	7	3	1	2	1	1	3	4	3	1	9	9
		35-44	4	10	7	5	8	9	14	6	9	9	9	14	8	10	5	11	11	6	11	11
		45-54	5	12	16	14	13	10	9	16	18	20	13	13	19	33	16	19	38	22	12	12
		55-64	24	20	20	20	30	25	17	26	23	23	15	32	26	21	28	20	40	34	40	40
		65-74	23	41	32	33	39	30	31	25	33	29	21	24	26	40	31	32	40	21	28	28
75-84		23	14	33	24	20	26	18	16	29	22	35	24	24	31	19	29	34	23	24	24	
85+	11	10	15	13	14	14	13	13	17	17	14	13	18	15	8	13	24	21	17	17		
Female	<1	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0		
	1-4	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0		
	5-14	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0		
	15-24	0	1	0	1	0	0	1	0	0	0	0	0	0	1	1	0	1	2	0		
	25-34	2	4	0	3	2	1	3	2	1	1	1	1	0	2	1	5	2	0	3		
	35-44	2	4	5	4	2	10	4	1	7	3	2	3	5	7	6	9	1	5	4	4	
	45-54	8	3	6	11	6	8	13	11	10	3	11	9	8	9	14	8	7	14	15	15	
	55-64	11	8	18	13	9	11	14	16	12	20	16	15	9	10	13	13	10	21	19	19	
	65-74	25	34	15	18	23	15	22	18	25	20	19	33	13	27	33	17	19	28	23	23	
	75-84	25	26	41	21	24	35	30	29	36	38	27	30	26	38	26	34	26	32	22	22	
85+	22	27	21	25	29	26	23	31	31	27	44	26	24	43	42	32	36	41	30	30		

**TABLE 10
DEATHS FROM HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
American Indian or Alaska Native	Total	<1	1	0	2	3	1	0	1	2	5	2	2	3	0	1	3	0	1	2	0
		1-4	0	0	0	1	2	0	2	0	4	1	1	0	1	0	1	0	0	0	0
		5-14	1	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
		15-24	2	2	2	1	2	2	3	1	2	2	0	2	3	0	1	2	2	3	1
		25-34	2	2	7	7	3	7	2	8	6	3	3	5	2	4	3	6	4	7	3
		35-44	9	8	13	15	14	13	10	8	13	14	10	8	10	10	10	11	17	18	7
		45-54	28	8	18	31	23	21	22	23	21	22	20	23	18	17	17	35	20	19	29
		55-64	27	28	37	39	37	24	34	42	35	42	40	38	39	32	35	45	42	36	49
		65-74	35	31	39	58	53	51	53	48	59	53	53	52	51	57	41	62	36	35	55
		75-84	45	43	57	45	38	57	55	50	44	50	53	48	52	43	49	53	61	57	38
	85+	30	37	41	39	54	38	34	39	52	36	36	41	32	30	50	34	38	43	43	
	Male	<1	1	0	2	1	1	0	0	1	3	1	1	0	0	1	1	0	1	1	0
		1-4	0	0	0	1	2	0	0	0	2	0	0	0	1	0	0	0	0	0	0
		5-14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		15-24	2	0	1	1	1	2	1	0	2	1	0	2	2	0	1	0	2	1	1
		25-34	0	2	5	6	1	5	2	7	3	3	3	3	1	3	3	4	4	4	2
		35-44	6	6	6	12	8	9	6	8	9	9	6	6	9	7	6	7	14	9	5
		45-54	22	5	13	20	19	16	11	15	14	15	14	13	14	11	15	24	15	14	21
		55-64	16	23	22	23	28	15	22	28	24	26	22	26	25	21	23	29	31	21	29
		65-74	20	20	25	26	34	32	29	23	42	33	27	29	27	31	30	35	20	24	25
		75-84	26	21	37	18	23	23	31	23	26	26	33	22	24	25	25	24	30	30	12
	85+	20	19	16	23	22	11	15	15	28	19	12	18	13	11	18	18	16	14	19	
	Female	<1	0	0	0	2	0	0	1	1	2	1	1	3	0	0	2	0	0	1	0
		1-4	0	0	0	0	0	0	2	0	2	1	1	0	0	1	0	0	0	0	0
		5-14	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
		15-24	0	2	1	0	1	0	2	1	0	1	0	0	1	0	0	2	0	2	0
		25-34	2	0	2	1	2	2	0	1	3	0	0	2	1	1	0	2	0	3	1
		35-44	3	2	7	3	6	4	4	0	4	5	4	2	1	3	4	4	3	9	2
		45-54	6	3	5	11	4	5	11	8	7	7	6	10	4	6	2	11	5	5	8
		55-64	11	5	15	16	9	9	12	14	11	16	18	12	14	11	12	16	11	15	20
		65-74	15	11	14	32	19	19	24	25	17	20	26	23	24	26	11	27	16	11	30
75-84		19	22	20	27	15	34	24	27	18	24	20	26	28	18	24	29	31	27	26	
85+	10	18	25	16	32	27	19	24	24	17	24	23	19	19	32	16	22	29	24		
Asian or Pacific Islander	Total	<1	0	0	1	0	0	0	0	0	0	0	2	0	1	1	0	2	0	0	0
		1-4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
		5-14	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		15-24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		25-34	0	0	0	1	0	1	2	0	1	0	3	0	1	1	2	0	2	0	1
		35-44	0	0	1	0	2	2	0	1	2	0	2	8	1	0	3	2	1	2	4
		45-54	0	3	2	6	3	1	3	1	1	3	6	5	4	2	4	9	6	4	5
		55-64	3	4	8	7	2	2	7	4	8	5	5	5	7	10	9	9	5	10	8
		65-74	4	7	5	9	14	13	8	12	11	9	9	19	8	10	15	11	14	8	16
		75-84	10	9	6	11	9	11	8	13	7	9	18	14	21	13	15	20	23	15	17
		85+	4	3	11	12	13	11	7	9	6	11	12	8	17	12	17	22	19	14	15

**TABLE 10
DEATHS FROM HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
Male	<1	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	1	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	
	15-24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	25-34	0	0	0	1	0	0	1	0	0	0	1	0	1	1	2	0	1	2	1	
	35-44	0	0	1	0	0	2	0	0	1	0	2	7	1	0	2	2	1	4	3	
	45-54	0	3	1	4	3	0	2	1	1	0	3	3	3	2	2	7	5	7	4	
	55-64	3	3	5	4	1	1	1	4	5	4	3	3	5	6	6	4	2	2	4	
	65-74	1	4	4	4	9	9	5	8	6	4	5	8	3	2	11	6	6	6	9	
	75-84	5	6	4	3	6	7	4	8	1	4	11	7	10	4	3	9	10	4	8	
	85+	2	0	4	6	6	6	4	5	0	4	3	1	9	5	9	12	10	25	7	
	Female	<1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0
		1-4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		5-14	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		15-24	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	1	1	0	1	0	2	0	0	0	0	0	1	0	0
		35-44	0	0	0	0	2	0	0	1	1	0	0	1	0	0	1	0	0	0	1
		45-54	0	0	1	2	0	1	1	0	0	3	3	2	1	0	2	2	1	0	1
		55-64	0	1	3	3	1	1	6	0	3	1	2	2	2	4	3	5	3	3	4
65-74		3	3	1	5	5	4	3	4	5	5	4	11	5	8	4	5	8	6	7	
75-84		5	3	2	8	3	4	4	5	6	5	7	7	11	9	12	11	13	9	9	
85+	2	3	7	6	7	5	3	4	6	7	9	7	8	7	8	10	9	10	8		

**TABLE 11
CANCER DEATHS BY RACE/ETHNICITY, AGE GROUP*, GENDER AND YEAR, ARIZONA, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
All groups	Total	<1	1	3	0	2	0	3	2	2	2	0	3	3	1	0	5	1	2	0	2	
		1-4	8	6	10	13	13	5	8	10	6	10	8	6	5	12	9	2	6	12	13	
		5-14	14	12	21	18	19	14	14	19	16	18	21	20	17	19	13	22	11	30	17	
		15-24	24	28	16	33	27	36	26	27	32	35	28	39	40	24	41	28	31	35	41	
		25-34	71	67	57	77	70	75	82	88	74	61	72	70	60	67	67	62	69	63	76	
		35-44	202	214	202	251	229	223	271	254	304	274	257	269	260	228	253	202	215	220	206	
		45-54	439	526	510	552	573	537	598	599	668	695	727	721	776	772	752	781	762	778	733	
		55-64	1,169	1,224	1,218	1,224	1,279	1,303	1,269	1,300	1,321	1,383	1,378	1,433	1,541	1,580	1,640	1,701	1,746	1,783	1,781	
		65-74	1,995	2,306	2,351	2,459	2,518	2,531	2,581	2,539	2,485	2,542	2,188	2,337	2,435	2,499	2,523	2,546	2,582	2,528	2,623	
		75-84	1,951	1,984	2,176	2,167	2,339	2,385	2,494	2,615	2,594	2,797	2,843	2,847	2,801	2,922	2,887	2,933	2,912	3,002	2,931	
	85+	659	739	769	852	883	879	981	976	1,000	1,035	1,144	1,167	1,212	1,327	1,316	1,395	1,431	1,503	1,517		
	Male	<1	1	1	0	2	0	2	2	2	1	0	0	2	2	1	0	2	1	2	0	1
		1-4	3	4	3	7	8	4	5	4	3	3	3	4	2	6	3	2	4	5	5	
		5-14	6	6	14	11	10	10	10	6	9	10	12	10	6	10	7	9	7	10	12	
		15-24	18	19	6	15	10	20	16	18	19	14	21	24	23	13	31	18	16	17	23	
		25-34	34	31	31	38	30	44	41	46	29	38	34	35	32	38	29	34	28	34	45	
		35-44	88	104	90	108	104	88	129	110	142	124	109	111	118	105	108	93	89	90	94	
		45-54	225	243	252	263	261	241	313	295	348	329	349	347	404	403	375	374	378	396	394	
		55-64	653	649	686	697	745	727	712	703	719	764	754	748	858	851	894	919	935	993	957	
		65-74	1,100	1,341	1,347	1,361	1,420	1,420	1,417	1,412	1,394	1,399	1,245	1,286	1,429	1,420	1,422	1,440	1,459	1,459	1,470	
		75-84	1,092	1,123	1,227	1,224	1,288	1,318	1,391	1,464	1,387	1,543	1,525	1,509	1,488	1,583	1,583	1,623	1,597	1,597	1,622	
	85+	316	347	364	411	438	419	487	452	485	483	521	550	621	658	653	671	718	763	740		
	Female	<1	0	2	0	0	0	1	0	1	2	0	1	1	0	0	3	0	0	0	1	
		1-4	5	2	7	6	5	1	3	6	3	7	5	2	3	6	6	0	2	7	8	
		5-14	8	6	7	7	9	4	4	13	7	8	9	10	11	9	6	13	4	20	5	
		15-24	6	9	10	18	17	16	10	9	13	21	7	15	17	11	10	10	15	18	18	
		25-34	37	36	26	39	40	31	41	42	45	23	38	35	28	29	38	28	41	29	31	
		35-44	114	110	112	143	125	135	142	144	162	150	148	158	142	123	145	109	126	130	112	
		45-54	214	283	258	289	312	296	285	304	320	366	378	374	372	369	377	407	384	382	339	
		55-64	516	575	532	527	534	576	557	597	602	619	624	685	683	729	746	782	811	790	824	
65-74		895	965	1,004	1,098	1,098	1,111	1,164	1,127	1,091	1,143	943	1,051	1,006	1,079	1,101	1,106	1,123	1,069	1,153		
75-84		859	861	949	943	1,051	1,067	1,103	1,151	1,207	1,254	1,318	1,338	1,313	1,339	1,304	1,310	1,315	1,405	1,309		
85+	343	392	405	441	445	460	494	524	515	552	623	617	591	669	663	724	713	740	777			
White non Hispanic	Total	<1	1	2	0	0	0	2	2	2	2	0	2	0	1	0	1	1	0	0	1	
		1-4	6	5	4	6	6	3	4	6	2	5	4	4	2	7	4	1	3	9	3	
		5-14	9	7	16	11	11	5	8	7	6	6	6	11	7	9	7	12	5	8	10	
		15-24	20	19	12	19	18	20	14	16	19	16	16	19	21	9	20	20	14	15	20	
		25-34	54	49	39	56	47	52	54	60	49	41	44	46	30	39	36	34	38	35	41	
		35-44	159	162	153	188	184	169	216	184	216	210	171	181	168	155	154	131	139	139	125	
		45-54	356	437	416	460	459	426	481	496	540	548	584	569	604	579	594	599	610	570	526	
		55-64	993	1,067	1,043	1,045	1,087	1,129	1,081	1,098	1,124	1,171	1,160	1,208	1,303	1,341	1,351	1,409	1,482	1,437	1,422	
		65-74	1,810	2,071	2,111	2,205	2,265	2,236	2,295	2,244	2,182	2,243	1,894	1,995	2,110	2,144	2,180	2,167	2,229	2,147	2,207	
		75-84	1,766	1,810	1,987	1,966	2,146	2,137	2,258	2,394	2,385	2,556	2,549	2,561	2,516	2,564	2,560	2,615	2,586	2,647	2,560	
		85+	588	659	678	752	801	795	883	888	876	930	1,032	1,054	1,094	1,203	1,180	1,249	1,317	1,353	1,356	

**TABLE 11
CANCER DEATHS BY RACE/ETHNICITY, AGE GROUP*, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
	Male	<1	1	1	0	0	0	1	2	1	0	0	2	0	1	0	1	1	0	0	1
		1-4	3	4	1	4	4	2	3	3	0	2	1	2	1	3	0	1	3	4	0
		5-14	4	4	12	7	7	4	5	5	2	3	3	5	2	5	4	4	5	2	8
		15-24	15	14	4	10	7	12	9	11	9	5	13	12	13	5	18	12	7	7	12
		25-34	23	22	24	31	22	32	25	25	21	28	23	24	16	24	17	25	15	19	25
		35-44	70	78	73	82	87	70	107	84	102	95	78	80	78	80	70	59	64	63	55
		45-54	179	199	204	218	212	193	254	238	276	267	285	274	326	305	297	292	306	281	296
		55-64	551	561	578	592	640	629	612	589	611	652	620	631	722	729	755	753	785	802	761
		65-74	998	1,202	1,212	1,218	1,271	1,239	1,251	1,237	1,240	1,224	1,087	1,100	1,235	1,229	1,232	1,228	1,259	1,237	1,226
		75-84	990	1,025	1,126	1,112	1,190	1,175	1,266	1,321	1,270	1,409	1,357	1,347	1,326	1,403	1,390	1,438	1,415	1,412	1,406
	85+	292	310	316	357	394	375	436	410	427	429	467	499	559	601	581	596	650	686	669	
	Female	<1	0	1	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0
		1-4	3	1	3	2	2	1	1	3	2	3	3	2	1	4	4	0	0	5	3
		5-14	5	3	4	4	4	1	3	2	4	3	3	6	5	4	3	8	0	6	2
		15-24	5	5	8	9	11	8	5	5	10	11	3	7	8	4	2	8	7	8	8
		25-34	31	27	15	25	25	20	29	35	28	13	21	22	14	15	19	9	23	16	16
		35-44	89	84	80	106	97	99	109	100	114	115	93	101	90	75	84	72	75	76	70
		45-54	177	238	212	242	247	233	227	258	264	281	299	295	278	274	297	307	304	289	230
		55-64	442	506	465	453	447	500	469	509	513	519	540	577	581	612	596	656	697	635	661
65-74		812	869	899	987	994	997	1,044	1,007	942	1,019	807	895	875	915	948	939	970	910	981	
75-84		776	785	861	854	956	962	992	1,073	1,115	1,147	1,192	1,214	1,190	1,161	1,170	1,177	1,171	1,235	1,154	
85+	296	349	362	395	407	420	447	478	449	501	565	555	535	602	599	653	667	667	687		
Hispanic or Latino	Total	<1	0	1	0	1	0	1	0	0	0	0	1	1	0	4	0	2	0	1	
		1-4	2	1	3	1	3	1	4	2	2	3	3	2	2	4	5	1	3	3	8
		5-14	2	5	2	6	5	5	5	8	9	8	13	6	7	6	6	7	5	15	5
		15-24	3	6	4	7	6	14	8	8	10	14	5	13	13	11	18	6	13	13	15
		25-34	12	9	11	16	14	12	17	18	18	14	21	16	18	20	27	19	19	22	30
		35-44	33	37	28	43	33	29	31	46	45	32	52	59	58	48	67	44	49	54	51
		45-54	52	50	41	57	72	67	69	59	77	88	82	87	118	129	87	117	92	130	128
		55-64	108	96	111	114	118	105	113	122	113	128	138	128	142	156	161	170	169	202	193
		65-74	119	142	162	170	161	193	179	185	195	189	180	211	203	234	223	250	232	235	269
		75-84	121	112	124	135	126	142	159	137	137	148	203	189	197	237	229	238	226	236	245
	85+	42	44	57	68	44	53	60	53	74	65	76	83	80	77	86	93	73	92	105	
	Male	<1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	2	0	0
		1-4	0	0	1	1	2	1	2	0	2	1	2	2	1	2	3	1	1	1	4
		5-14	0	2	1	3	3	4	4	0	6	5	8	4	2	5	3	2	1	5	3
		15-24	3	3	2	4	2	7	6	5	8	7	3	8	6	6	12	4	7	7	10
		25-34	10	6	4	4	4	4	10	15	6	6	9	5	11	11	11	5	9	12	17
		35-44	12	15	7	21	13	10	14	17	25	15	21	20	24	17	25	14	19	21	23
		45-54	29	25	17	25	30	30	37	31	48	32	36	42	56	69	38	51	42	72	66
		55-64	62	55	68	63	61	61	61	67	63	67	81	71	84	82	84	102	98	110	105
65-74		67	82	93	99	94	116	104	112	109	113	100	119	134	127	135	143	143	143	163	
75-84		63	63	65	79	59	89	83	97	74	84	121	114	113	133	144	143	126	125	142	
85+	11	21	27	40	24	30	33	22	29	29	36	37	44	37	47	47	41	46	45		

**TABLE 11
CANCER DEATHS BY RACE/ETHNICITY, AGE GROUP*, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
	Female	<1	0	1	0	0	0	0	0	0	0	0	1	1	0	0	3	0	0	0	1
		1-4	2	1	2	0	1	0	2	2	0	2	1	0	1	2	2	0	2	2	4
		5-14	2	3	1	3	2	1	1	8	3	3	5	2	5	1	3	5	4	10	2
		15-24	0	3	2	3	4	7	2	3	2	7	2	5	7	5	6	2	6	6	5
		25-34	2	3	7	12	10	8	7	3	12	8	12	11	7	9	16	14	10	10	13
		35-44	21	22	21	22	20	19	17	29	20	17	31	39	34	31	42	30	30	33	28
		45-54	23	25	24	32	42	37	32	28	29	56	46	45	62	60	49	66	50	58	62
		55-64	46	41	43	51	57	44	52	55	50	61	57	57	58	74	77	68	71	92	88
		65-74	52	60	69	71	67	77	75	73	86	76	80	92	69	107	88	107	89	92	106
		75-84	58	49	59	56	67	53	76	40	63	64	82	75	84	104	85	95	100	111	103
85+	31	23	30	28	20	23	27	31	45	36	40	46	36	40	39	46	32	46	60		
Black or African American	Total	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1-4	0	0	1	2	1	0	0	0	1	1	0	0	1	0	0	0	0	0	
		5-14	1	0	0	0	1	0	0	1	0	2	0	2	0	1	0	2	0	4	
		15-24	0	1	0	0	2	0	1	0	0	3	2	2	1	1	0	1	1	1	
		25-34	2	2	3	4	3	6	5	3	1	2	1	2	2	3	2	5	3	3	
		35-44	3	7	8	7	3	12	4	10	21	14	9	16	15	12	18	10	9	11	
		45-54	11	17	22	19	19	22	26	16	25	32	30	36	26	25	23	33	36	44	
		55-64	34	28	38	28	34	33	45	40	38	42	43	41	51	42	51	55	57	74	
		65-74	40	43	47	43	42	51	52	53	51	43	49	55	62	62	61	70	65	65	
		75-84	35	35	31	23	34	52	33	51	34	42	43	35	44	50	46	36	42	48	
	85+	13	18	18	12	19	9	16	20	25	18	15	16	13	25	26	22	16	21		
	Male	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5-14	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	0	1	0	
		15-24	0	1	0	0	0	0	0	0	0	1	2	0	1	1	0	1	1	0	
		25-34	0	0	2	3	2	5	3	3	1	1	1	1	1	1	1	3	1	2	
		35-44	2	5	3	1	2	3	1	3	7	9	2	7	8	6	9	9	2	3	
		45-54	6	12	16	12	10	10	12	12	14	17	15	17	15	11	15	17	20	26	
		55-64	26	17	26	20	20	19	27	23	20	26	29	18	32	23	25	29	35	44	
		65-74	25	27	28	24	28	34	33	31	24	26	25	34	32	34	29	36	36	41	
75-84		25	20	19	11	19	32	20	29	23	25	22	15	25	23	24	19	26	23		
85+	5	7	12	5	11	3	8	13	14	12	10	10	9	10	14	9	9	14			
Female	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	1-4	0	0	1	2	1	0	0	0	1	1	0	0	1	0	0	0	0	0		
	5-14	1	0	0	0	1	0	0	1	0	1	0	1	0	1	0	0	0	3		
	15-24	0	0	0	0	2	0	1	0	0	2	0	2	0	0	0	0	0	1		
	25-34	2	2	1	1	1	1	2	0	0	1	0	1	1	2	1	2	2	1		
	35-44	1	2	5	6	1	9	3	7	14	5	7	9	7	6	9	1	7	8		
	45-54	5	5	6	7	9	12	14	4	11	15	15	19	11	14	8	16	16	18		
	55-64	8	11	12	8	14	14	18	17	18	16	14	23	19	19	26	26	22	30		
	65-74	15	16	19	19	14	17	19	22	27	17	24	21	30	28	32	34	29	24		
	75-84	10	15	12	12	15	20	13	22	11	17	21	20	19	27	22	17	16	25		
85+	8	11	6	7	8	6	8	7	11	6	5	6	4	15	12	13	7	7			

**TABLE 11
CANCER DEATHS BY RACE/ETHNICITY, AGE GROUP*, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008		
American Indian or Alaska Native	Total	<1	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
		1-4	0	0	1	4	3	0	0	2	1	1	0	0	0	1	0	0	0	0	0	2
		5-14	2	0	3	0	2	2	1	3	1	2	2	1	2	3	0	1	0	0	0	0
		15-24	1	2	0	6	0	2	3	3	3	1	4	5	5	3	3	1	3	5	3	3
		25-34	2	6	2	1	4	4	4	7	3	4	4	4	7	1	1	2	5	1	3	3
		35-44	5	5	11	9	4	7	17	13	15	13	17	12	14	5	5	13	10	11	14	14
		45-54	18	17	20	10	17	17	17	19	18	19	17	19	24	23	31	24	15	23	30	30
		55-64	25	26	18	27	27	25	25	31	29	28	24	40	32	28	53	44	25	43	49	49
		65-74	23	37	24	31	33	39	43	43	43	39	39	45	35	43	38	40	38	57	46	46
		75-84	23	24	28	32	22	37	37	26	26	31	35	33	29	46	42	26	34	51	48	48
	85+	13	13	12	17	12	16	20	11	18	16	16	8	19	16	19	26	19	30	23	23	
	Male	<1	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
		1-4	0	0	1	2	2	0	0	1	1	0	0	0	0	1	0	0	0	0	1	
		5-14	2	0	1	0	0	1	1	1	1	1	1	0	1	0	0	1	0	0	0	
		15-24	0	1	0	1	0	1	1	2	2	1	3	4	3	1	1	1	1	2	0	
		25-34	0	2	0	0	1	2	2	3	1	3	1	3	3	1	0	0	2	1	3	
		35-44	3	4	7	3	2	2	5	5	7	5	6	3	5	1	1	7	2	3	6	
		45-54	10	5	9	3	6	8	7	10	7	8	8	11	6	11	15	9	7	10	15	
		55-64	12	13	10	18	16	15	11	18	18	14	17	20	13	9	23	25	10	22	26	
		65-74	7	21	11	15	17	22	21	25	18	21	24	21	20	22	18	22	13	29	21	
		75-84	10	15	12	15	12	17	18	15	14	14	16	15	17	17	21	12	18	27	26	
	85+	7	7	7	8	4	7	9	6	10	8	5	2	6	5	8	18	12	15	12		
	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	2	1	0	0	1	0	1	0	0	0	0	0	0	0	0		
		5-14	0	0	2	0	2	1	0	2	0	1	1	1	1	3	0	0	0	0		
		15-24	1	1	0	5	0	1	2	1	1	0	1	1	2	2	2	0	2	3		
		25-34	2	4	2	1	3	2	2	4	2	1	3	1	4	0	1	2	3	0		
		35-44	2	1	4	6	2	5	12	8	8	8	11	9	9	4	4	6	8	8		
		45-54	8	12	11	7	11	9	10	9	11	11	9	8	18	12	16	15	8	13		
		55-64	13	13	8	9	11	10	14	13	11	14	7	20	19	19	30	19	15	21		
65-74		16	16	13	16	16	17	22	18	25	18	15	24	15	21	20	18	25	28			
75-84		13	9	16	17	10	20	19	11	12	17	19	18	12	29	21	14	16	24			
85+	6	6	5	9	8	9	11	5	8	8	11	6	13	11	11	8	7	15				
Asian or Pacific Islander	Total	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		1-4	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0			
		5-14	0	0	0	1	0	2	0	0	0	0	0	0	1	0	0	0	1			
		15-24	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	1			
		25-34	1	1	2	0	2	1	1	0	3	0	1	2	3	4	1	2	4			
		35-44	2	3	2	4	5	6	3	1	7	5	8	1	5	8	9	4	8			
		45-54	2	5	11	5	6	5	5	9	6	7	12	10	4	15	17	8	8			
		55-64	9	7	8	10	12	10	5	9	15	10	10	16	11	12	23	19	11			
		65-74	3	13	3	10	14	12	10	11	13	17	17	27	23	14	19	19	17			
		75-84	6	3	6	8	9	16	7	7	10	11	9	24	15	25	7	17	23			
		85+	2	4	3	3	7	6	2	4	6	3	4	2	5	6	5	4	6			

**TABLE 11
CANCER DEATHS BY RACE/ETHNICITY, AGE GROUP*, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008		
Male	<1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
	5-14	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	
	15-24	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	25-34	1	1	1	0	1	1	0	0	0	0	0	2	1	1	1	0	1	1	0	0	
	35-44	1	2	0	1	0	3	2	1	1	0	2	1	3	1	3	4	2	7	7	7	
	45-54	1	2	6	4	3	0	3	4	3	4	4	3	1	6	10	5	2	14	3	3	
	55-64	2	3	4	4	8	3	1	6	5	1	5	8	5	7	6	6	6	6	7	17	
	65-74	3	9	0	5	8	9	7	5	2	10	3	10	8	6	8	11	8	10	20	20	
	75-84	4	0	5	5	6	5	4	2	5	7	5	15	7	7	1	10	12	1	13	13	
	85+	1	2	2	1	5	4	1	1	4	2	3	0	3	5	3	1	6	42	6	6	
	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	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		5-14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		15-24	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
		25-34	0	0	1	0	1	0	1	0	3	0	1	0	2	3	1	1	3	2	1	1
		35-44	1	1	2	3	5	3	1	0	6	5	6	0	2	7	6	0	6	5	1	1
		45-54	1	3	5	1	3	5	2	5	3	3	8	7	3	9	7	3	6	4	7	7
		55-64	7	4	4	6	4	7	4	3	10	9	5	8	6	5	17	13	5	11	10	10
65-74		0	4	3	5	6	3	3	6	11	7	14	17	15	8	11	8	9	15	15	15	
75-84		2	3	1	3	3	11	3	5	5	4	4	9	8	18	6	7	11	10	11	11	
85+	1	2	1	2	2	2	1	3	2	1	1	2	2	1	2	3	0	5	3	3		

TABLE 12
AGE-SPECIFIC MORTALITY RATES FOR HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
All groups	Total	<1	9.7	10.4	20.8	10.3	5.9	14.1	13.8	13.8	10.6	21.9	18.1	11.2	14.5	16.5	16.1	7.8	9.3	8.8	9.1
		1-4	0.0	3.7	0.0	0.8	1.5	1.1	1.1	1.8	3.1	2.3	1.3	1.0	1.2	0.6	1.7	0.3	1.3	0.5	1.0
		5-14	0.9	0.5	0.9	2.0	1.1	1.1	0.4	1.2	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.3	0.8	0.3	0.3
		15-24	2.0	2.2	2.2	2.6	2.2	2.3	2.4	2.6	2.8	2.4	1.4	2.5	2.1	2.1	2.0	1.7	2.1	2.6	0.9
		25-34	5.0	7.7	5.8	8.9	6.0	5.9	8.8	6.8	8.3	6.0	5.5	4.9	6.2	5.8	5.3	5.5	5.2	5.7	3.9
		35-44	24.0	28.6	28.1	27.9	29.2	29.5	29.1	25.5	25.3	24.7	21.9	23.9	23.2	21.8	20.6	22.1	20.5	19.6	14.4
		45-54	99.3	97.0	100.4	112.3	97.6	98.9	93.9	93.8	88.2	83.5	84.9	79.5	87.5	80.6	73.8	79.0	76.5	69.9	61.0
		55-64	302.5	300.6	297.1	303.5	280.0	274.1	256.9	239.2	243.4	231.0	215.4	212.2	214.5	207.1	220.1	223.8	187.6	176.5	171.1
		65-74	653.0	678.6	690.4	691.6	682.7	647.0	599.9	578.8	560.6	571.2	476.3	511.4	473.3	458.7	428.7	404.5	380.8	370.9	375.5
		75-84	1908.4	1751.8	1751.8	1815.1	1670.0	1651.3	1523.4	1503.0	1504.7	1443.1	1446.9	1360.0	1319.4	1325.4	1188.0	1186.9	1128.2	973.2	940.8
	85+	5817.0	5496.7	5645.8	5790.6	5453.4	5351.1	5229.0	4936.4	4859.1	4797.6	4815.8	4678.1	4824.0	4738.5	4595.4	4643.1	3804.1	3353.3	3363.4	
	Male	<1	11.4	14.5	29.2	11.6	8.6	22.0	13.5	21.5	13.0	22.7	17.7	12.2	16.6	16.1	18.0	2.2	12.1	5.8	9.9
		1-4	0.0	3.2	0.0	0.7	2.2	2.1	0.0	2.8	2.7	2.0	1.9	0.6	1.2	1.2	2.3	0.6	1.5	0.5	1.5
		5-14	0.7	1.0	1.0	1.6	1.3	1.5	0.6	0.9	0.5	0.3	0.8	0.2	0.2	0.5	0.7	0.4	0.6	0.4	0.2
		15-24	3.2	2.1	3.5	2.4	2.9	3.4	1.8	2.9	3.9	3.2	1.8	3.8	2.7	1.9	3.0	2.0	3.1	3.2	1.1
		25-34	6.8	9.4	8.3	13.1	6.7	7.6	12.0	8.9	11.0	8.1	5.4	7.2	8.0	7.5	6.6	7.2	8.3	7.6	5.3
		35-44	37.0	44.1	44.3	43.3	42.9	42.8	43.9	36.7	37.4	36.4	34.2	32.3	33.3	32.1	29.6	29.6	30.3	26.8	20.3
		45-54	151.9	149.4	157.6	176.4	148.6	148.7	141.9	143.7	140.1	132.3	125.7	114.7	126.7	121.1	109.0	120.7	117.5	105.4	93.7
		55-64	454.2	465.5	439.6	452.9	422.8	400.2	392.4	349.9	357.3	335.7	313.7	318.4	322.2	307.6	325.4	334.4	279.6	256.8	254.0
		65-74	931.1	966.7	982.3	985.0	966.1	903.3	824.0	779.3	764.2	789.9	652.3	689.1	646.8	622.3	570.6	543.0	510.5	516.8	524.6
		75-84	2370.5	2194.4	2186.5	2244.9	2074.0	2059.0	1903.4	1845.9	1899.6	1795.1	1804.0	1685.3	1650.9	1653.9	1494.8	1454.3	1359.6	1185.1	1203.6
	85+	6135.2	5597.6	5938.7	6072.9	5491.9	5599.3	5830.1	5142.8	5220.0	5267.4	5415.1	5158.7	5446.0	5246.3	5145.5	5457.3	4229.9	3488.4	3627.9	
	Female	<1	7.9	6.1	12.2	9.1	3.0	5.8	14.1	5.6	8.2	21.1	18.5	10.2	12.4	16.9	14.1	13.6	6.3	11.9	8.2
		1-4	0.0	4.2	0.0	0.8	0.8	0.0	2.2	0.7	3.5	2.7	0.7	1.3	1.3	0.0	1.2	0.0	1.1	0.5	0.5
		5-14	1.1	0.0	0.7	2.4	1.0	0.6	0.3	1.5	0.3	0.8	0.0	0.5	0.8	0.5	0.2	0.2	0.9	0.2	0.4
		15-24	0.8	2.3	0.7	2.9	1.4	1.0	3.0	2.2	1.5	1.5	0.9	1.1	1.3	2.4	1.0	1.5	1.2	1.9	0.7
		25-34	3.2	6.0	3.1	4.6	5.3	4.0	5.4	4.5	5.3	3.7	5.6	2.4	4.2	3.8	3.9	3.6	1.9	3.6	2.4
		35-44	11.0	13.0	11.8	12.3	15.4	16.1	14.1	14.1	13.0	12.7	9.2	15.3	12.8	11.3	11.3	14.5	10.3	12.0	8.2
		45-54	49.2	47.1	45.9	51.3	49.0	51.2	47.9	46.0	38.4	36.6	45.6	45.6	49.8	41.6	39.4	38.8	36.4	35.2	29.0
		55-64	167.3	153.1	169.5	169.3	151.3	160.4	134.6	139.0	140.2	136.0	126.3	115.9	116.8	115.9	123.6	123.1	103.7	102.1	94.4
65-74		422.2	439.4	448.2	446.0	443.3	428.9	407.0	404.4	381.0	377.0	319.0	352.6	318.2	312.6	300.7	280.1	263.0	242.2	243.9	
75-84		1578.6	1431.8	1433.6	1498.8	1370.7	1345.3	1235.4	1241.9	1203.3	1175.2	1176.0	1113.4	1068.1	1076.3	954.1	982.4	950.6	803.5	730.3	
85+	5659.9	5447.3	5503.5	5653.5	5434.6	5230.2	4934.4	4833.5	4679.1	4561.2	4512.4	4434.9	4509.4	4481.7	4316.3	4224.7	3576.0	3272.4	3204.9		
White non Hispanic	Total	<1	10.2	10.3	21.7	2.7	2.7	13.2	13.1	8.2	2.7	16.4	8.6	13.9	13.5	15.3	9.9	7.2	9.5	6.8	11.9
		1-4	0.0	4.2	0.0	0.0	1.4	1.3	0.0	1.4	0.0	1.4	0.0	0.7	0.0	0.0	0.6	0.0	1.2	0.6	1.1
		5-14	0.9	0.3	1.2	1.4	1.1	1.1	0.3	1.1	0.5	0.5	0.5	0.2	0.5	0.5	0.4	0.2	0.7	0.0	0.2
		15-24	2.3	1.8	1.8	2.1	2.6	2.5	2.2	3.0	3.2	1.8	2.3	1.9	1.7	1.6	1.5	1.7	2.0	1.1	1.1
		25-34	4.5	7.0	5.6	8.3	6.4	5.7	8.3	5.9	7.7	6.5	5.2	4.8	6.5	5.4	5.3	4.3	4.5	5.7	3.1
		35-44	24.7	28.8	26.7	27.2	29.1	27.3	29.6	27.8	26.7	26.0	23.0	24.7	24.1	24.5	21.1	22.0	23.2	18.7	15.6
		45-54	95.2	102.7	99.6	112.5	100.4	102.6	95.0	96.7	90.2	87.5	87.9	81.9	91.3	84.1	75.6	76.2	80.8	76.2	64.3
		55-64	312.9	308.0	294.5	298.5	283.5	283.0	261.9	239.0	246.3	229.8	214.2	206.8	214.7	212.8	214.9	220.1	193.1	174.8	169.8
		65-74	660.2	662.8	684.0	681.9	672.9	637.4	593.9	578.9	531.6	569.4	472.1	497.5	467.9	443.6	408.4	389.1	382.2	380.9	376.5
		75-84	1916.2	1762.0	1736.8	1823.6	1685.4	1634.0	1522.6	1496.3	1501.1	1439.0	1450.5	1362.6	1315.6	1302.0	1163.3	1159.9	1124.5	984.0	977.7
		85+	6022.2	5675.0	5759.6	5956.7	5540.8	5455.5	5402.0	5032.2	4934.0	4861.6	4871.4	4759.9	4947.2	4843.8	4655.1	4742.8	3900.2	3492.6	3449.3

**TABLE 12
AGE-SPECIFIC MORTALITY RATES FOR HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008		
	Male	<1	13.2	10.1	26.5	5.3	5.3	15.5	15.4	10.7	0.0	21.4	5.6	21.8	21.2	10.0	9.7	0.0	9.4	4.5	9.3	
		1-4	0.0	4.1	0.0	0.0	1.3	2.6	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
		5-14	1.2	0.6	1.1	1.1	1.7	1.1	0.5	1.0	0.5	0.5	1.0	0.0	0.5	0.5	0.9	0.4	0.5	0.0	0.0	0.4
		15-24	3.4	1.7	3.4	1.1	3.3	3.3	1.6	2.6	4.6	2.0	2.0	2.9	2.4	1.4	3.1	2.5	2.6	2.9	0.8	0.8
		25-34	6.2	8.0	7.5	12.8	7.8	7.7	11.1	6.9	10.5	8.5	4.6	8.5	9.1	7.1	5.2	6.5	7.6	7.8	4.0	4.0
		35-44	39.7	43.5	45.3	43.3	42.4	40.3	44.0	39.2	41.1	38.6	34.5	31.4	34.9	35.6	32.2	29.7	33.6	26.5	21.6	21.6
		45-54	149.1	158.3	159.4	185.6	155.4	156.6	150.6	149.7	146.5	138.9	132.7	117.7	135.6	125.9	113.9	119.2	124.1	117.8	101.6	101.6
		55-64	466.5	476.2	445.3	455.8	430.7	421.6	408.6	351.2	370.0	339.8	322.1	318.3	322.0	318.7	321.7	334.8	287.1	257.0	252.9	252.9
		65-74	953.5	948.2	977.3	994.2	960.4	898.0	823.3	787.5	722.4	789.4	655.3	679.7	641.9	603.3	554.4	526.2	512.6	542.5	532.1	532.1
		75-84	2375.0	2219.3	2149.9	2253.8	2094.6	2039.2	1884.7	1858.8	1913.0	1805.7	1808.9	1677.5	1663.9	1620.5	1483.8	1433.2	1359.5	1223.4	1261.6	1261.6
	85+	6344.0	5828.0	6127.8	6242.7	5547.6	5841.9	6063.2	5268.8	5242.5	5287.9	5547.7	5301.7	5599.9	5415.5	5276.9	5625.4	4312.9	3635.8	3743.5	3743.5	
	Female	<1	7.0	10.6	16.6	0.0	0.0	10.8	10.7	5.6	5.5	11.2	11.7	5.7	5.5	21.0	10.1	14.6	9.7	9.3	14.5	14.5
		1-4	0.0	4.4	0.0	0.0	1.4	0.0	0.0	1.4	0.0	2.8	0.0	1.4	0.0	0.0	1.2	0.0	1.2	0.0	1.2	1.2
		5-14	0.6	0.0	1.2	1.8	0.6	1.1	0.0	1.1	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.9	0.0	0.0	0.0
		15-24	1.2	1.8	0.0	3.0	1.8	1.7	2.9	3.4	1.6	1.6	1.6	1.5	1.5	1.9	0.0	0.4	0.9	0.9	1.3	1.3
		25-34	2.7	6.0	3.7	3.7	5.0	3.6	5.4	4.9	4.6	4.3	5.9	0.9	3.7	3.6	5.5	2.0	1.3	3.4	2.1	2.1
		35-44	9.6	14.1	8.1	11.0	15.7	14.2	15.1	16.2	12.1	13.2	11.4	17.9	13.3	13.3	9.9	14.2	12.5	10.8	9.4	9.4
		45-54	43.7	49.5	42.3	42.6	47.7	50.9	41.8	45.9	36.4	38.4	45.1	47.7	49.0	44.1	39.0	35.1	38.4	35.8	28.1	28.1
		55-64	174.8	156.3	158.0	155.6	149.5	156.8	128.3	136.6	133.5	129.4	115.9	105.3	116.8	116.2	117.5	115.8	107.4	98.6	92.9	92.9
		65-74	416.5	425.9	440.2	420.0	429.3	414.7	395.1	395.6	361.1	371.2	305.8	332.1	309.9	298.6	275.9	264.9	262.1	237.1	238.0	238.0
75-84		1589.0	1430.7	1433.0	1505.0	1379.8	1327.4	1245.8	1218.0	1184.0	1157.6	1176.5	1121.9	1049.4	1058.7	918.2	950.8	942.8	793.4	751.4	751.4	
85+	5868.2	5602.4	5585.7	5821.1	5537.6	5270.7	5083.1	4915.7	4781.9	4648.8	4531.4	4487.5	4619.1	4556.7	4342.6	4298.0	3678.3	3406.4	3272.0	3272.0		
Hispanic or Latino	Total	<1	6.8	10.9	9.8	14.4	9.3	17.0	12.1	18.8	7.2	30.1	18.6	3.0	14.5	14.1	16.4	5.3	9.7	8.8	7.0	7.0
		1-4	0.0	4.6	0.0	1.3	0.0	1.2	0.0	3.2	3.0	2.8	2.5	1.6	1.5	2.9	0.7	1.9	0.6	1.2	1.2	1.2
		5-14	0.7	1.4	0.7	3.1	1.8	0.6	0.5	2.0	0.5	0.8	0.4	0.7	0.3	0.3	0.7	0.6	0.9	0.6	0.6	0.6
		15-24	0.8	0.8	2.9	4.0	1.2	1.1	1.6	2.5	1.9	3.1	1.2	2.7	1.1	2.5	2.1	1.7	1.7	2.4	0.7	0.7
		25-34	4.8	9.4	2.2	6.7	4.4	3.5	9.3	5.2	5.9	3.8	4.3	3.8	6.5	5.5	3.8	4.0	4.8	5.5	1.8	1.8
		35-44	16.3	20.2	21.9	24.0	23.8	27.7	22.7	20.4	13.9	15.7	15.5	14.4	18.8	9.9	16.7	16.5	11.2	17.7	7.5	7.5
		45-54	92.8	70.7	87.1	71.7	68.6	80.1	79.7	71.2	71.7	57.3	70.1	63.2	75.5	56.0	59.4	70.1	56.2	49.7	44.4	44.4
		55-64	205.5	252.7	262.1	315.9	233.3	237.9	218.7	200.0	212.6	196.2	210.0	216.8	200.2	165.2	229.6	228.7	150.0	178.2	151.2	151.2
		65-74	521.0	746.0	764.1	723.6	697.5	724.4	627.0	580.4	768.4	565.9	487.6	573.4	532.0	500.6	524.9	452.4	379.8	345.0	346.9	346.9
		75-84	1811.8	1735.0	1690.4	1824.3	1617.1	1789.5	1526.4	1660.5	1584.5	1482.2	1404.7	1387.9	1409.8	1643.8	1493.1	1419.6	1169.7	1020.4	809.4	809.4
	85+	4660.9	4209.7	5150.4	4733.9	4659.7	4930.0	4226.9	4490.5	4485.2	4615.0	5030.4	4841.6	4564.4	4301.5	4124.1	4059.5	3127.8	2352.8	3146.4	3146.4	
	Male	<1	0.0	21.2	19.1	18.7	9.0	33.1	7.9	36.8	14.1	26.2	24.2	5.9	17.0	16.5	21.3	5.1	14.2	4.4	9.2	9.2
		1-4	0.0	3.0	0.0	0.0	0.0	2.3	0.0	6.3	3.9	3.6	4.8	1.6	0.0	2.9	5.7	1.4	2.4	0.0	2.2	2.2
		5-14	0.0	2.7	1.3	3.7	1.2	1.1	0.0	1.0	0.9	0.0	0.7	0.7	0.0	0.7	0.6	0.6	1.2	1.1	0.0	0.0
		15-24	1.5	1.5	4.1	5.0	2.3	2.2	2.0	4.7	1.7	4.9	2.2	4.3	1.4	2.0	2.0	1.3	1.9	3.2	1.3	1.3
		25-34	9.3	15.1	4.2	9.0	4.7	4.4	14.4	7.8	7.4	5.3	4.8	3.9	6.8	7.3	5.7	5.4	7.5	7.2	2.2	2.2
		35-44	20.6	37.5	34.7	35.6	41.4	44.4	38.3	28.6	20.5	23.0	29.7	20.2	25.8	19.0	23.3	23.3	15.3	25.8	12.0	12.0
		45-54	136.2	103.7	124.9	93.8	82.1	115.7	115.8	113.8	109.8	95.5	105.4	101.9	91.8	83.9	88.0	97.6	79.1	69.5	68.4	68.4
		55-64	336.2	375.1	370.5	434.8	304.5	288.5	322.8	285.9	255.6	271.1	279.9	281.4	300.9	237.7	326.1	333.0	212.0	259.0	237.6	237.6
		65-74	715.6	1089.0	993.3	873.4	886.8	894.8	813.3	724.8	1054.0	761.2	641.0	783.7	730.6	714.6	639.0	599.8	509.2	452.2	503.2	503.2
75-84		2365.9	2217.3	2374.7	2464.4	1934.8	2450.9	2273.2	1881.3	1846.2	1766.7	1596.2	1943.1	1607.3	2164.6	1782.7	1770.8	1341.5	1154.1	1080.9	1080.9	
85+	5114.8	4408.8	5028.5	4788.2	5290.5	3943.0	4578.9	4728.1	5601.8	5681.0	5684.9	4768.2	4817.0	4613.5	4587.2	4899.6	3477.5	2545.5	3024.4	3024.4		

TABLE 12
AGE-SPECIFIC MORTALITY RATES FOR HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
	Female	<1	13.8	0.0	0.0	9.9	9.5	0.0	16.6	0.0	0.0	34.1	12.7	0.0	11.9	11.6	11.2	5.4	5.0	13.4	4.7	
		1-4	0.0	6.3	0.0	2.7	0.0	0.0	0.0	0.0	0.0	2.0	1.9	0.0	1.6	3.2	0.0	0.0	0.0	1.3	1.2	0.0
		5-14	1.4	0.0	0.0	2.6	2.5	0.0	1.1	3.1	0.0	1.7	0.0	0.7	0.7	0.0	0.7	0.6	0.6	0.6	0.0	1.1
		15-24	0.0	0.0	1.5	2.8	0.0	0.0	1.1	0.0	2.0	1.0	0.0	0.8	0.8	3.2	2.3	2.2	1.4	1.4	1.4	0.0
		25-34	0.0	3.3	0.0	4.3	4.0	2.5	3.5	2.2	4.3	2.0	3.7	3.6	6.1	3.4	1.6	2.4	1.4	3.4	3.4	1.3
		35-44	11.8	2.3	8.5	11.8	5.4	10.0	6.2	11.6	6.9	7.8	0.0	8.1	11.2	0.0	9.5	9.1	6.4	8.5	8.5	2.5
		45-54	51.3	39.4	50.8	50.3	55.5	45.2	44.1	28.9	33.6	18.8	34.4	24.0	59.0	27.8	30.3	42.2	32.3	29.6	19.8	
		55-64	90.1	144.4	166.3	210.4	170.2	193.0	125.4	122.6	173.6	128.3	146.3	157.9	108.5	99.0	141.4	133.3	90.8	100.5	68.0	
		65-74	357.5	456.1	570.2	596.2	534.8	578.1	467.2	457.6	529.0	403.0	360.2	398.6	367.0	322.9	429.9	329.8	268.4	253.9	214.0	
		75-84	1426.1	1407.0	1230.0	1395.0	1405.4	1338.9	1016.8	1508.4	1402.6	1279.7	1266.8	988.0	1267.5	1268.6	1284.5	1166.5	1042.2	917.0	599.3	
85+	4402.1	4093.6	5220.2	4704.1	4314.8	5456.2	4045.5	4367.3	3918.6	4068.7	4690.8	4879.7	4433.3	4139.7	3885.0	3625.8	2942.5	2240.2	3217.8			
Black or African American	Total	<1	0.0	37.5	37.9	0.0	0.0	34.8	35.8	0.0	0.0	0.0	74.5	0.0	35.0	31.9	32.7	0.0	0.0	0.0	23.3	
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	7.4	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	
		5-14	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	2.1	0.0
		15-24	0.0	9.4	0.0	4.4	0.0	3.8	3.7	0.0	3.5	3.4	0.0	3.7	7.2	9.8	10.1	3.2	9.3	9.6	0.0	
		25-34	18.2	21.0	12.3	20.2	11.4	7.5	18.1	17.7	27.8	13.7	7.6	11.1	3.6	9.8	13.4	29.1	12.4	2.6	30.5	
		35-44	38.8	81.4	65.2	46.0	46.7	81.8	72.4	26.5	58.4	42.4	40.8	61.0	45.2	53.9	35.8	62.8	32.4	29.9	40.2	
		45-54	156.0	170.4	229.1	242.2	166.1	143.4	161.4	180.4	172.5	132.0	138.1	122.4	145.7	206.7	151.6	131.7	158.2	120.7	89.3	
		55-64	583.3	436.3	563.9	466.4	515.5	448.3	363.2	465.7	376.4	442.1	325.9	477.7	345.0	278.7	378.6	294.4	314.2	315.3	333.8	
		65-74	1151.4	1712.3	1028.2	1079.4	1274.1	901.8	1017.1	770.6	1002.1	816.1	678.8	935.2	620.6	972.4	955.1	706.6	620.2	468.2	481.1	
		75-84	2335.8	1854.4	3275.8	1923.1	1814.4	2407.3	1864.8	1653.8	2287.9	2069.0	2183.1	1838.6	1651.3	2078.3	1398.8	1894.2	1495.5	735.0	607.7	
	85+	5254.8	5631.7	5084.7	4878.0	5354.9	4756.2	4040.4	4814.0	5052.6	4440.0	5870.4	3819.8	3992.4	5026.0	4496.4	3909.6	4310.3	3662.1	2740.5		
	Male	<1	0.0	72.7	75.8	0.0	0.0	66.1	69.9	0.0	0.0	0.0	0.0	0.0	0.0	60.8	62.3	0.0	0.0	0.0	44.2	
		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	0.0	16.9	0.0	0.0	0.0	0.0	0.0	
		5-14	0.0	0.0	0.0	0.0	0.0	0.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		15-24	0.0	8.6	0.0	0.0	0.0	7.1	0.0	0.0	6.4	6.3	0.0	6.8	13.2	12.1	12.4	6.2	13.4	8.7	0.0	
		25-34	16.8	7.8	22.9	15.1	7.2	7.0	13.5	19.8	45.2	18.9	6.9	13.3	6.5	5.9	18.2	24.9	13.9	4.7	41.8	
		35-44	48.2	108.3	71.0	47.6	69.5	72.2	104.6	42.4	61.3	58.8	61.0	91.7	50.8	57.9	29.7	66.5	56.0	30.1	54.3	
		45-54	115.9	264.1	319.6	259.7	218.5	152.4	126.2	205.6	211.2	216.5	139.3	134.7	190.9	302.4	150.6	178.4	257.4	137.4	73.9	
		55-64	825.6	650.8	614.1	588.2	813.7	636.6	404.1	581.8	497.7	472.5	316.3	652.3	514.0	378.7	518.9	342.9	505.2	386.7	448.8	
		65-74	1229.3	2070.7	1563.3	1540.6	1784.9	1345.3	1319.1	991.3	1243.4	1043.2	757.3	836.8	879.3	1233.8	982.6	884.2	877.8	384.1	505.5	
75-84		2804.9	1626.0	3707.9	2575.1	2083.3	2561.6	1757.8	1469.2	2508.7	1885.2	3056.8	2027.0	1967.2	2318.6	1469.5	1664.8	2117.1	547.6	565.2		
85+	4977.4	4219.4	5882.4	4710.1	5147.1	4982.2	4362.4	4561.4	5923.3	5555.6	4416.4	3975.5	5341.2	4076.1	2259.9	2170.3	5417.6	3317.5	2652.1			
	Female	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156.7	0.0	73.5	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	15.7	0.0	14.9	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	0.0	6.5	0.0	0.0	0.0	4.6	0.0	
		15-24	0.0	10.2	0.0	9.5	0.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	7.1	7.3	0.0	4.9	10.7	0.0	
		25-34	19.9	36.4	0.0	26.0	16.2	8.1	23.4	15.3	7.5	7.4	8.5	8.2	0.0	14.6	7.5	33.6	10.7	0.0	16.8	
		35-44	27.9	50.2	58.5	44.1	20.2	92.8	34.8	8.1	55.0	23.0	16.4	23.8	38.5	49.1	43.2	58.9	5.7	29.7	23.4	
		45-54	198.9	70.4	130.5	223.2	109.4	133.6	200.0	153.1	129.7	36.7	136.8	108.2	93.3	95.7	152.9	81.2	51.2	101.3	107.1	
		55-64	355.6	239.2	516.9	353.6	232.0	268.0	323.4	351.7	256.5	411.7	335.5	304.1	176.9	179.3	239.3	241.7	125.0	242.8	216.8	
		65-74	1087.9	1416.7	594.3	696.9	857.9	543.5	769.0	588.6	797.7	620.3	609.0	1022.6	390.7	740.1	930.6	512.7	383.4	560.2	454.4	
		75-84	2024.3	2006.2	2994.9	1491.5	1638.2	2304.1	1935.5	1777.0	2136.5	2192.7	1592.9	1711.4	1438.1	1916.3	1351.4	2146.5	1080.6	974.7	662.1	
85+	5405.4	6428.6	4635.8	4970.2	5461.4	4642.9	3878.6	4928.5	4675.7	3941.6	6557.4	3746.4	3356.6	5470.7	5540.9	5797.1	3793.5	3867.9	2793.3			

**TABLE 12
AGE-SPECIFIC MORTALITY RATES FOR HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
American Indian or Alaska Native	Total	<1	20.1	0.0	32.5	48.8	17.1	0.0	19.0	38.9	93.0	35.5	39.7	57.5	0.0	17.3	53.8	0.0	13.7	30.8	0.0
		1-4	0.0	0.0	0.0	4.0	8.0	0.0	8.2	0.0	17.8	4.5	5.0	0.0	4.7	0.0	4.5	0.0	0.0	0.0	0.0
		5-14	2.2	0.0	0.0	1.8	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0
		15-24	5.3	5.0	5.0	2.4	4.7	4.6	6.7	2.1	4.1	4.0	0.0	4.1	6.0	0.0	1.9	3.7	3.1	4.5	1.5
		25-34	5.8	5.3	18.0	17.6	7.4	17.0	4.9	19.3	14.7	7.5	8.1	13.0	5.1	9.4	7.3	14.1	8.5	13.9	5.9
		35-44	38.6	30.5	47.0	51.5	45.1	39.4	28.8	22.1	34.8	36.4	27.9	21.6	26.2	24.4	25.3	26.9	39.7	40.5	15.5
		45-54	190.6	50.9	109.0	177.5	123.2	104.7	104.2	101.3	89.3	87.6	83.0	92.3	70.0	61.7	63.9	127.4	57.6	51.1	77.0
		55-64	269.7	260.4	332.9	333.4	304.2	187.1	257.4	299.8	241.4	283.6	285.2	262.0	260.7	199.5	227.2	283.0	199.1	155.4	208.7
		65-74	570.7	470.3	560.4	782.5	682.5	626.3	618.7	542.4	651.0	577.2	620.8	588.8	560.1	583.6	438.8	643.2	283.0	272.9	419.6
		75-84	1514.6	1364.6	1780.1	1388.0	1129.6	1647.9	1513.5	1316.8	1126.8	1231.2	1338.7	1172.4	1231.9	949.9	1136.9	1193.2	1020.9	875.3	579.0
	85+	2830.2	3309.5	3411.0	3194.1	4316.5	2996.8	2541.1	2848.8	3564.1	2507.0	2593.7	2857.1	2163.6	1890.4	3360.2	2219.3	2037.5	1804.4	1787.9	
	Male	<1	40.8	0.0	66.2	32.9	34.9	0.0	0.0	39.5	114.0	35.3	39.9	0.0	0.0	34.9	36.1	0.0	28.0	30.6	0.0
		1-4	0.0	0.0	0.0	8.0	16.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	9.2	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	3.2	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	10.7	0.0	4.9	4.8	4.7	9.2	4.4	0.0	8.2	3.9	0.0	8.2	7.9	0.0	3.8	0.0	6.1	3.0	2.9
		25-34	0.0	10.8	26.2	30.6	5.0	24.5	9.8	34.3	14.8	15.0	16.4	15.8	5.1	14.3	14.7	19.0	17.0	16.0	7.8
		35-44	54.3	48.2	45.8	87.0	54.2	57.4	36.3	46.3	50.4	48.8	35.1	34.0	49.4	35.8	31.8	35.9	67.2	41.7	22.8
		45-54	320.3	68.0	167.5	243.8	218.0	170.1	110.7	140.0	126.3	127.2	124.1	111.4	116.3	85.2	120.5	186.9	92.9	81.1	120.1
		55-64	355.9	468.8	435.3	431.0	504.6	257.5	368.2	440.6	364.1	385.4	345.4	394.6	368.0	288.2	328.8	402.3	320.9	192.6	262.2
		65-74	735.6	684.5	821.8	801.2	997.9	887.2	755.0	587.3	1040.6	808.2	720.8	748.4	675.8	723.5	731.2	829.2	347.9	429.6	430.8
		75-84	1975.7	1497.9	2611.2	1273.0	1617.4	1564.6	1988.5	1416.3	1558.8	1525.8	2015.9	1299.5	1375.4	1336.2	1406.1	1310.8	1149.4	1073.3	426.1
	85+	4319.7	4025.4	3285.4	4693.9	4313.7	2161.1	2742.2	2664.3	4635.8	3454.5	2330.1	3383.5	2372.3	1870.7	3278.7	3185.8	2580.6	1709.4	2300.2	
	Female	<1	0.0	0.0	0.0	64.2	0.0	0.0	37.9	38.2	72.8	35.8	39.5	114.5	0.0	0.0	71.4	0.0	0.0	31.0	0.0
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	16.4	0.0	17.9	9.1	10.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0
		5-14	4.3	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
		15-24	0.0	10.1	5.0	0.0	4.7	0.0	8.9	4.3	0.0	4.0	0.0	0.0	4.0	0.0	0.0	7.5	0.0	6.0	0.0
		25-34	11.2	0.0	10.1	4.9	9.7	9.6	0.0	4.8	14.6	0.0	0.0	10.3	5.0	4.7	0.0	9.3	0.0	11.9	3.9
		35-44	24.4	14.5	48.1	19.6	36.9	23.1	22.1	0.0	20.5	25.0	21.4	10.3	5.0	14.0	19.3	18.7	13.6	39.3	8.6
		45-54	76.7	35.8	57.1	118.7	40.2	47.0	98.4	66.8	56.4	52.5	46.8	75.4	29.3	40.9	14.1	75.2	26.9	25.1	39.6
55-64		199.4	85.5	247.5	251.5	136.1	128.6	165.9	182.9	139.1	198.5	235.2	151.6	171.5	125.6	142.7	184.1	96.2	122.4	161.1	
65-74		439.4	299.8	357.4	767.9	435.9	418.9	507.8	506.8	338.2	392.2	542.7	464.1	469.6	474.3	209.9	498.2	229.5	152.0	410.7	
75-84		1148.0	1257.9	1120.4	1477.0	772.4	1709.4	1156.6	1242.5	804.6	1018.2	861.3	1082.9	1130.9	677.7	947.9	1110.7	921.2	726.4	693.9	
85+	1675.0	2786.4	3496.5	2188.8	4318.5	3557.3	2402.0	2977.7	2807.0	1918.7	2749.1	2547.1	2040.8	1901.9	3407.9	1654.6	1767.1	1854.2	1519.9		
Asian or Pacific Islander	Total	<1	0.0	0.0	91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	240.7	0.0	75.0	67.0	0.0	135.8	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	14.3	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	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0
		15-24	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		25-34	0.0	0.0	0.0	6.1	0.0	5.2	9.9	0.0	4.5	0.0	14.2	0.0	4.4	4.0	8.3	0.0	6.1	0.0	2.9
		35-44	0.0	0.0	8.8	0.0	14.7	13.5	0.0	5.8	11.1	0.0	11.4	44.1	5.3	0.0	15.0	9.7	3.6	6.8	13.4
		45-54	0.0	55.2	33.3	87.9	38.1	11.4	30.5	9.2	8.6	23.7	48.7	39.2	30.4	13.6	28.5	62.1	29.9	19.1	23.5
		55-64	93.7	111.6	203.3	156.5	41.2	37.1	120.9	64.3	119.4	71.9	72.9	70.5	95.7	122.0	115.5	111.7	40.5	76.3	60.3
		65-74	244.6	359.3	230.6	365.4	499.6	403.4	226.3	312.7	266.4	206.8	210.0	428.6	175.0	195.4	308.8	219.1	185.3	107.2	212.1
		75-84	1592.4	1312.0	813.0	1390.6	1040.5	1132.9	743.5	1062.1	511.3	590.6	1155.3	869.6	1265.1	699.7	850.8	1098.3	785.0	426.1	478.2
		85+	2531.6	1764.7	5851.1	5741.6	6046.5	4526.7	2500.0	2786.4	1666.7	2902.4	3007.5	1946.5	4018.9	2537.0	3820.2	4803.5	2426.6	1425.7	1509.1

**TABLE 12
AGE-SPECIFIC MORTALITY RATES FOR HEART DISEASE BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
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	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	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	5-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	15-24	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	25-34	0.0	0.0	0.0	12.7	0.0	0.0	10.1	0.0	0.0	0.0	9.6	0.0	9.0	8.1	16.4	0.0	6.1	11.9	5.9	
	35-44	0.0	0.0	20.3	0.0	0.0	29.6	0.0	0.0	12.1	0.0	25.0	84.6	11.7	0.0	18.4	20.5	7.5	28.9	21.4	
	45-54	0.0	130.6	39.6	140.5	92.3	0.0	49.9	22.5	20.7	0.0	59.9	57.9	56.1	33.4	24.0	102.5	56.1	75.1	42.4	
	55-64	246.1	218.0	331.8	232.2	52.7	46.2	42.8	159.0	181.5	137.9	104.9	101.5	164.0	175.7	132.0	105.6	39.4	37.0	73.2	
	65-74	140.6	471.1	432.0	383.9	778.5	687.0	355.9	528.1	368.8	230.1	294.1	455.1	165.6	98.6	375.2	254.8	184.2	189.9	281.7	
	75-84	1552.8	1764.7	1136.4	821.9	1534.5	1601.8	852.9	1498.1	171.8	635.9	1724.1	1062.2	1472.8	525.6	288.2	1061.3	858.4	289.6	573.5	
	85+	2777.8	0.0	4545.5	6451.6	6741.6	5769.2	3278.7	3496.5	0.0	2439.0	1724.1	558.7	4891.3	2439.0	3557.3	5607.5	3533.6	6944.4	1917.8	
	Female	<1	0.0	0.0	192.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149.3	133.3	0.0	256.7	0.0	0.0	
		1-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	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	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	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	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	10.2	9.6	0.0	8.7	0.0	18.7	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
		35-44	0.0	0.0	0.0	0.0	26.6	0.0	0.0	10.7	10.3	0.0	0.0	10.1	0.0	0.0	11.0	0.0	0.0	0.0	6.3
		45-54	0.0	0.0	28.7	50.3	0.0	19.2	17.2	0.0	0.0	40.3	41.0	26.4	12.8	0.0	35.1	26.1	9.0	0.0	8.5
		55-64	0.0	45.3	123.6	109.1	33.8	31.0	173.9	0.0	76.0	24.7	50.0	48.3	46.8	83.6	92.3	117.1	41.3	39.0	51.3
65-74		324.7	273.0	80.5	351.9	303.8	209.1	140.8	172.3	199.8	191.3	154.7	411.2	181.2	258.9	207.7	187.6	186.1	139.5	160.9	
75-84		1634.0	867.1	518.1	1877.9	632.9	749.1	659.0	724.6	762.4	558.7	760.9	736.1	1121.3	820.4	1662.0	1130.5	736.5	420.8	416.7	
85+	2325.6	3260.9	7000.0	5172.4	5555.6	3597.1	1898.7	2222.2	3108.8	3255.8	4000.0	3017.2	3347.3	2611.9	4166.7	4098.4	1800.0	1607.7	1271.9		

TABLE 13
AGE-SPECIFIC CANCER MORTALITY RATES BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
All groups	Total	<1	1.9	4.5	0.0	3.0	0.0	4.2	2.8	2.8	2.7	0.0	3.9	3.7	1.2	0.0	5.7	1.1	2.1	0.0	2.0
		1-4	3.3	2.4	3.9	4.9	4.9	1.8	2.9	3.6	2.1	3.3	2.6	1.9	1.5	3.6	2.6	0.6	1.6	3.0	3.2
		5-14	2.6	2.1	3.6	3.0	3.1	2.2	2.1	2.8	2.2	2.4	2.7	2.5	2.1	2.3	1.5	2.4	1.2	3.3	1.8
		15-24	4.4	5.1	2.9	5.8	4.6	5.9	4.1	4.1	4.7	4.9	3.8	5.2	5.1	3.0	4.9	3.3	3.5	3.9	4.5
		25-34	11.2	10.4	8.6	11.4	10.0	10.5	11.2	11.9	10.0	8.3	9.7	9.1	7.6	8.2	7.9	7.1	7.7	6.8	8.0
		35-44	38.2	38.5	35.1	41.6	35.8	33.1	38.6	34.8	40.7	36.0	33.4	33.8	31.7	27.0	28.8	22.2	24.9	24.9	22.9
		45-54	125.6	146.1	130.3	131.6	126.0	109.9	115.2	108.2	115.9	114.9	115.8	111.0	115.9	112.1	104.9	105.1	96.4	93.6	86.8
		55-64	390.3	405.6	394.3	384.2	381.3	372.4	349.1	338.7	324.8	323.3	311.5	313.2	326.7	325.6	325.2	325.1	285.3	274.6	270.0
		65-74	687.8	765.6	753.6	757.5	748.7	732.1	731.0	709.3	683.5	700.8	601.4	620.9	627.7	626.1	612.5	595.4	597.0	594.6	606.5
		75-84	1291.9	1231.2	1279.2	1210.3	1243.6	1208.1	1199.7	1204.5	1153.1	1210.3	1207.4	1168.4	1115.2	1130.7	1082.3	1060.0	1077.9	993.7	954.5
	85+	1747.2	1803.0	1733.2	1790.1	1737.1	1629.2	1717.9	1632.1	1584.8	1563.4	1669.5	1645.9	1658.2	1764.8	1698.8	1737.9	1492.2	1385.4	1377.1	
	Male	<1	3.8	2.9	0.0	5.8	0.0	5.5	5.4	2.7	0.0	0.0	5.1	4.9	2.4	0.0	4.5	2.2	4.0	0.0	2.0
		1-4	2.4	3.2	2.3	5.2	5.8	2.8	3.5	2.8	2.0	2.0	1.9	2.5	1.2	3.5	1.7	1.1	2.0	2.5	2.4
		5-14	2.2	2.1	4.7	3.6	3.2	3.0	2.9	1.7	2.5	2.6	3.0	2.5	1.4	2.3	1.6	2.0	1.5	2.1	2.5
		15-24	6.4	6.8	2.1	5.1	3.3	6.3	4.9	5.2	5.3	3.8	5.5	6.1	5.6	3.1	7.2	4.0	3.5	3.7	4.9
		25-34	10.6	9.4	9.2	11.0	8.4	11.9	10.9	12.0	7.6	9.9	8.8	8.7	7.7	8.9	6.6	7.5	5.9	7.0	9.1
		35-44	33.2	37.3	31.2	35.7	32.3	26.0	36.5	29.9	37.7	32.2	28.0	27.6	28.5	24.6	24.3	20.2	20.1	19.9	20.5
		45-54	132.0	138.5	132.0	128.5	117.5	101.0	123.4	109.0	123.4	111.1	113.4	109.0	123.1	119.3	105.9	102.6	96.5	96.4	94.4
		55-64	462.7	455.7	469.7	462.1	468.7	438.2	412.6	385.6	371.8	375.5	358.3	343.7	382.4	368.7	370.6	368.5	320.4	318.0	301.6
		65-74	836.1	981.4	951.9	920.1	921.9	893.2	867.4	847.7	818.2	819.7	725.1	724.0	780.7	754.0	727.7	711.5	708.7	732.0	724.8
		75-84	1736.2	1660.6	1706.7	1612.5	1609.3	1557.0	1552.0	1560.3	1424.2	1544.8	1501.7	1436.0	1373.9	1420.6	1371.8	1353.4	1361.3	1188.9	1187.5
	85+	2534.3	2576.1	2507.8	2641.2	2628.9	2372.2	2592.9	2272.3	2310.0	2180.1	2262.5	2308.6	2529.5	2605.3	2503.7	2462.6	2146.4	1878.4	1793.4	
	Female	<1	0.0	6.1	0.0	0.0	0.0	2.9	0.0	2.8	5.4	0.0	2.6	2.6	0.0	0.0	7.0	0.0	0.0	0.0	2.1
		1-4	4.2	1.7	5.6	4.6	3.8	0.7	2.2	4.4	2.1	4.8	3.4	1.3	1.9	3.7	3.6	0.0	1.1	3.6	4.1
		5-14	3.0	2.2	2.5	2.4	3.0	1.3	1.2	3.9	2.0	2.2	2.4	2.6	2.8	2.2	1.4	3.0	0.9	4.5	1.1
		15-24	2.3	3.4	3.7	6.6	6.0	5.4	3.3	2.9	4.0	6.2	2.0	4.2	4.6	2.9	2.5	2.4	3.5	4.2	4.2
		25-34	11.8	11.3	8.0	11.9	11.8	8.9	11.6	11.8	12.7	6.5	10.7	9.5	7.4	7.4	9.4	6.6	9.6	6.5	6.8
		35-44	43.2	39.6	39.0	47.6	39.2	40.3	40.8	39.8	43.8	39.8	38.9	40.2	35.0	29.5	33.6	24.3	30.0	30.1	25.5
45-54		119.5	153.3	128.8	134.7	134.1	118.4	107.5	107.5	108.7	118.6	118.1	113.0	108.9	105.1	103.9	107.5	96.3	90.8	79.4	
55-64		325.8	360.8	326.6	314.2	302.6	313.1	291.7	296.4	282.2	276.0	269.0	285.5	276.1	286.5	283.6	285.6	253.4	234.5	240.7	
65-74		564.8	586.5	588.9	621.4	602.4	594.9	613.6	588.8	564.7	595.2	490.8	528.7	491.0	511.9	508.5	491.0	495.6	473.3	502.1	
75-84		974.9	920.7	966.2	914.2	972.7	946.2	932.7	933.7	946.2	955.7	984.1	965.5	919.1	911.0	861.6	835.6	860.3	837.5	767.8	
85+	1358.5	1424.5	1356.6	1376.7	1302.3	1267.6	1289.0	1313.0	1223.2	1253.3	1369.3	1310.5	1217.5	1339.7	1290.2	1365.5	1141.8	1090.3	1127.8		
White non Hispanic	Total	<1	3.4	5.2	0.0	0.0	0.0	5.3	5.2	5.5	5.4	0.0	5.8	0.0	2.7	0.0	2.5	2.4	0.0	0.0	2.4
		1-4	4.3	3.5	2.8	4.1	4.1	2.0	2.7	4.1	1.4	3.4	2.8	2.7	1.3	4.4	2.4	0.6	1.8	5.2	1.7
		5-14	2.8	2.1	4.7	3.2	3.1	1.4	2.1	1.9	1.6	1.5	1.6	2.7	1.7	2.1	1.6	2.6	1.2	1.9	2.3
		15-24	5.8	5.6	3.5	5.6	5.2	5.6	3.9	4.4	5.0	4.1	4.2	4.8	5.1	2.1	4.5	4.3	3.1	3.3	4.3
		25-34	12.2	11.1	8.8	12.6	10.4	11.3	11.8	13.2	11.0	9.5	10.5	10.6	6.7	8.4	7.4	6.7	8.2	7.3	8.4
		35-44	40.1	39.2	36.2	43.0	39.9	35.2	43.8	36.3	42.0	40.7	33.6	34.4	30.9	27.7	26.2	21.5	26.7	26.5	23.4
		45-54	130.4	155.8	136.3	141.1	130.1	112.9	120.9	117.5	124.0	120.8	125.9	118.6	122.1	113.5	110.6	107.6	109.8	99.6	90.5
		55-64	404.6	434.1	415.7	405.6	401.2	400.9	370.1	356.5	343.9	340.1	328.7	330.9	346.2	345.5	332.2	333.9	309.7	286.4	278.8
		65-74	707.5	780.9	771.3	777.4	772.9	745.1	752.2	728.2	699.5	723.7	614.6	625.8	641.9	632.8	620.4	593.8	626.9	625.2	631.8
		75-84	1303.1	1247.2	1295.0	1216.1	1262.9	1198.7	1203.0	1222.6	1177.3	1231.8	1214.2	1179.3	1123.6	1110.2	1070.0	1053.5	1102.7	1037.3	986.6
		85+	1767.0	1813.7	1721.8	1776.9	1768.2	1650.3	1731.4	1660.6	1553.1	1567.2	1687.6	1666.2	1677.2	1788.0	1694.9	1731.1	1548.6	1420.8	1402.0

**TABLE 13
AGE-SPECIFIC CANCER MORTALITY RATES BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
	Male	<1	6.6	5.1	0.0	0.0	0.0	5.2	10.3	5.4	0.0	0.0	11.3	0.0	5.3	0.0	4.8	4.7	0.0	0.0	4.7
		1-4	4.1	5.5	1.4	5.3	5.3	2.6	4.0	4.0	0.0	2.6	1.4	2.7	1.3	3.7	0.0	1.1	3.4	4.5	0.0
		5-14	2.4	2.3	6.9	3.9	3.9	2.1	2.6	2.6	1.0	1.5	1.5	2.4	0.9	2.3	1.7	1.7	2.3	0.9	3.6
		15-24	8.4	8.0	2.3	5.7	3.9	6.6	4.9	5.8	4.6	2.5	6.6	5.9	6.2	2.3	7.9	5.1	3.0	2.9	5.0
		25-34	10.2	9.8	10.7	13.7	9.5	13.7	10.7	10.7	9.2	12.6	10.6	10.7	6.9	10.1	6.8	9.6	6.3	7.8	10.1
		35-44	35.2	37.7	34.4	37.4	37.6	29.1	43.2	33.0	39.5	36.6	30.5	30.3	28.6	28.5	23.7	19.2	24.2	23.8	20.5
		45-54	134.1	145.1	136.7	136.7	122.9	104.6	130.5	115.3	129.6	120.4	125.7	116.8	134.8	122.2	113.1	107.4	111.4	99.7	103.4
		55-64	474.3	481.4	484.8	482.7	495.8	468.6	439.4	400.8	391.8	397.0	368.5	362.5	402.3	393.8	389.3	374.6	344.1	332.4	310.4
		65-74	859.6	998.9	975.7	941.6	945.5	895.8	883.3	858.3	842.6	832.9	741.3	725.2	789.5	762.0	736.8	707.7	738.4	765.2	745.5
		75-84	1754.7	1681.3	1731.6	1616.9	1637.7	1530.1	1556.4	1553.1	1441.0	1563.8	1492.2	1431.9	1367.0	1402.6	1341.0	1336.5	1384.0	1248.1	1221.7
	85+	2712.2	2653.0	2501.8	2621.9	2691.8	2407.4	2627.8	2325.3	2293.6	2170.8	2282.6	2357.9	2561.6	2672.2	2494.6	2465.3	2185.0	1917.1	1840.1	
	Female	<1	0.0	5.3	0.0	0.0	0.0	5.4	0.0	5.6	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		1-4	4.4	1.5	4.3	2.8	2.8	1.4	1.4	4.2	2.8	4.2	4.4	2.8	1.4	5.2	5.0	0.0	0.0	6.0	3.5
		5-14	3.2	1.8	2.4	2.4	2.3	0.6	1.7	1.1	2.2	1.6	1.6	3.1	2.5	1.9	1.4	3.5	0.0	2.9	0.9
		15-24	3.0	3.0	4.9	5.4	6.5	4.6	2.9	2.8	5.5	5.9	1.6	3.6	4.0	1.9	0.9	3.6	3.1	3.6	3.5
		25-34	14.1	12.4	6.9	11.5	11.3	8.9	13.0	15.7	12.9	6.2	10.3	10.4	6.4	6.7	8.0	3.7	10.1	6.8	6.6
		35-44	45.0	40.7	37.9	48.6	42.2	41.4	44.3	39.6	44.6	44.8	36.7	38.5	33.3	27.0	28.6	23.7	29.3	29.3	26.5
		45-54	126.8	165.9	135.9	145.3	137.0	120.9	111.7	119.7	118.6	121.2	126.1	120.2	109.9	105.1	108.1	107.8	108.2	99.5	77.9
		55-64	341.9	391.4	353.2	335.6	315.1	339.3	306.9	316.0	300.3	288.2	292.5	302.1	295.0	301.4	280.2	296.9	278.3	243.7	249.6
65-74		581.1	599.8	601.5	639.8	626.6	616.2	638.5	613.9	571.7	625.2	499.6	535.6	507.8	515.5	514.8	490.5	524.2	500.6	530.6	
75-84		981.0	932.8	973.8	919.4	982.9	948.0	932.7	968.8	974.3	977.0	1001.7	986.2	937.5	886.8	862.9	837.0	885.4	869.4	799.2	
85+	1314.9	1415.8	1353.4	1376.0	1327.3	1288.5	1299.1	1333.6	1188.2	1265.8	1388.4	1318.4	1232.5	1344.0	1292.8	1361.1	1206.2	1122.0	1138.2		
Hispanic or Latino	Total	<1	0.0	5.4	0.0	4.8	0.0	4.3	0.0	0.0	0.0	0.0	3.1	3.0	0.0	0.0	10.9	0.0	4.9	0.0	2.3
		1-4	3.0	1.5	4.3	1.3	3.8	1.2	4.5	2.1	2.0	2.8	2.5	1.6	1.5	3.0	3.6	0.7	1.9	1.8	4.6
		5-14	1.4	3.5	1.3	3.8	3.0	2.8	2.6	4.0	4.1	3.4	4.8	2.2	2.4	2.0	2.0	2.2	1.5	4.2	1.4
		15-24	2.3	4.6	2.9	4.7	3.7	8.0	4.3	4.0	4.7	6.2	2.0	5.0	4.9	4.0	6.3	2.0	4.4	4.4	5.0
		25-34	9.6	7.0	8.0	10.8	8.7	7.0	9.3	9.3	8.9	6.6	9.1	6.7	7.3	7.9	10.2	6.9	6.0	6.7	9.0
		35-44	38.4	41.6	29.2	41.3	29.1	23.6	23.5	32.4	29.9	20.1	29.8	32.7	31.2	25.0	33.8	21.4	21.0	21.7	20.2
		45-54	104.9	101.1	75.9	97.3	112.3	95.8	90.2	71.2	86.3	91.7	77.7	79.7	104.8	111.2	72.7	94.3	60.8	76.1	73.7
		55-64	304.0	272.6	306.2	302.6	296.0	249.8	257.5	262.3	228.8	246.2	245.6	220.3	237.0	252.6	253.1	257.5	201.3	215.6	202.6
		65-74	525.5	615.9	658.4	644.1	578.8	659.5	584.5	586.7	597.0	568.9	513.3	581.6	542.7	607.0	562.7	608.1	492.2	460.6	518.5
		75-84	1211.2	1116.8	1184.2	1225.3	1095.5	1165.7	1232.0	1011.1	960.5	979.3	1256.2	1130.7	1142.9	1334.2	1257.1	1260.7	993.8	802.7	819.4
	85+	1591.5	1624.8	1970.3	2220.0	1348.9	1546.1	1668.5	1425.1	1885.8	1604.1	1778.2	1877.8	1755.5	1639.7	1791.3	1869.0	1072.0	1121.5	1261.0	
	Male	<1	0.0	0.0	0.0	9.4	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	9.5	0.0	0.0
		1-4	0.0	0.0	2.8	2.6	5.0	2.3	4.3	0.0	3.9	1.8	3.2	3.1	1.5	2.9	4.3	1.4	1.2	1.1	4.5
		5-14	0.0	2.7	1.3	3.7	3.5	4.4	4.1	0.0	5.4	4.1	5.8	2.8	1.4	3.3	1.9	1.2	0.6	2.8	1.6
		15-24	4.4	4.4	2.7	5.0	2.3	7.5	6.0	4.7	7.0	5.7	2.2	5.7	4.2	4.1	7.8	2.5	4.5	4.5	6.3
		25-34	15.5	9.0	5.5	5.1	4.7	4.4	10.3	14.6	5.6	5.3	7.2	3.9	8.3	8.1	7.8	3.4	5.2	6.6	9.3
		35-44	27.5	33.1	14.3	39.3	22.4	15.9	20.6	23.2	32.0	18.1	23.1	21.3	24.8	17.0	24.2	13.1	15.3	15.9	17.2
		45-54	119.7	103.7	64.4	86.9	94.7	86.7	97.4	75.1	107.6	66.4	67.8	76.4	98.8	118.2	63.1	81.6	54.5	83.4	75.2
		55-64	372.2	332.7	399.9	355.7	325.9	308.7	293.9	304.1	268.4	271.1	302.3	256.2	293.9	278.4	276.7	323.5	238.8	239.4	224.7
65-74		647.9	776.5	824.8	815.7	731.2	857.9	735.5	773.1	731.8	748.0	628.5	723.0	789.5	726.0	750.1	765.9	655.9	610.0	683.5	
75-84		1536.6	1552.1	1543.6	1786.1	1282.6	1802.7	1585.5	1754.7	1265.0	1336.9	1788.4	1628.8	1565.7	1788.1	1887.5	1808.8	1300.2	974.7	1088.5	
85+	1148.2	2104.2	2561.7	3683.2	2081.5	2516.8	2698.3	1733.6	2195.3	2112.2	2465.8	2450.3	2825.9	2306.7	2874.6	2774.5	1738.8	1520.7	1463.4		

**TABLE 13
AGE-SPECIFIC CANCER MORTALITY RATES BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
	Female	<1	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	6.1	0.0	0.0	16.8	0.0	0.0	0.0	4.7
		1-4	6.0	3.1	5.9	0.0	2.6	0.0	4.6	4.4	0.0	3.8	1.7	0.0	1.6	3.1	3.0	0.0	2.5	2.4	4.7	
		5-14	2.8	4.3	1.4	3.8	2.5	1.1	1.1	8.1	2.8	2.6	3.8	1.5	3.6	0.7	2.0	3.2	2.4	5.8	1.1	
		15-24	0.0	4.8	3.0	4.2	5.2	8.6	2.3	3.2	2.0	6.7	1.7	4.2	5.7	3.9	4.6	1.5	4.3	4.3	3.5	
		25-34	3.3	4.9	10.6	17.0	13.2	9.9	8.2	3.3	12.8	8.1	11.2	9.9	6.1	7.6	13.1	11.1	7.1	6.7	8.6	
		35-44	49.6	50.4	44.8	43.3	36.2	31.8	26.5	42.2	27.5	22.2	37.1	45.1	38.1	33.7	44.3	30.5	27.5	28.2	23.5	
		45-54	90.8	98.6	87.1	107.3	129.4	104.6	83.1	67.3	65.0	117.2	87.8	83.0	110.9	104.2	82.6	107.1	67.3	68.6	72.2	
		55-64	243.8	219.3	223.4	255.5	269.5	197.5	224.8	224.7	192.9	223.7	194.0	187.5	185.0	229.0	231.6	197.1	165.4	192.6	181.3	
		65-74	422.6	480.2	517.7	498.0	447.9	489.1	455.0	428.3	484.0	419.5	417.6	464.2	337.7	508.0	406.8	476.8	351.3	333.6	378.1	
		75-84	984.7	820.8	942.5	849.1	970.7	731.5	990.7	498.6	748.8	724.8	872.9	771.8	838.3	1007.2	802.8	865.8	766.3	669.7	611.1	
85+	1844.1	1345.0	1631.3	1416.3	948.3	1028.6	1137.8	1265.3	1728.8	1343.8	1421.5	1580.8	1200.0	1293.7	1231.8	1401.6	718.8	888.4	1142.4			
Black or African American	Total	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	8.4	16.3	8.2	0.0	0.0	0.0	7.4	7.1	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		5-14	4.9	0.0	0.0	0.0	3.6	0.0	0.0	3.1	0.0	5.6	0.0	6.6	0.0	2.9	0.0	5.8	0.0	8.6	2.1	
		15-24	0.0	4.7	0.0	0.0	8.2	0.0	3.7	0.0	0.0	10.1	7.6	7.4	3.6	3.3	0.0	3.2	2.3	2.4	7.1	
		25-34	9.1	8.4	12.3	16.1	11.4	22.5	18.1	10.6	3.5	6.8	3.8	7.4	7.2	9.8	6.7	16.2	7.5	7.7	2.5	
		35-44	19.4	40.7	43.5	35.7	14.0	51.7	16.1	37.8	76.6	49.4	33.4	57.4	52.2	38.1	58.6	31.4	24.3	29.9	21.4	
		45-54	132.0	193.1	229.1	184.1	166.1	175.3	190.8	106.9	154.0	183.7	172.7	200.3	140.3	123.1	116.2	161.0	126.6	147.5	122.3	
		55-64	566.7	436.3	563.9	395.7	449.4	410.9	527.2	443.6	408.6	431.8	452.1	416.7	502.7	377.6	471.0	490.6	358.2	424.3	492.2	
		65-74	959.5	981.7	1028.2	910.1	863.1	1022.0	997.9	949.8	881.1	716.2	831.5	902.4	986.6	899.9	910.3	1009.4	683.3	621.1	603.7	
		75-84	1703.2	1622.6	1372.3	982.9	1402.1	2052.1	1282.1	1874.3	1196.8	1448.3	1514.1	1191.7	1453.1	1506.0	1429.9	1082.4	1046.9	641.5	594.5	
	85+	2070.1	2739.7	2542.4	1540.4	2366.1	1070.2	1795.7	2188.2	2631.6	1816.3	1518.2	1567.1	1235.7	2166.4	2338.1	1911.4	1149.4	1240.4	1166.2		
	Male	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	5.5	0.0	6.4	0.0	0.0	0.0	11.1	0.0	4.1	0.0	0.0
		15-24	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	14.1	0.0	6.6	6.0	0.0	6.2	4.5	0.0	4.3	
		25-34	0.0	0.0	15.3	22.6	14.3	35.0	20.3	19.8	6.5	6.3	6.9	6.7	6.5	5.9	6.1	18.7	4.6	9.4	0.0	
		35-44	24.1	54.2	30.4	9.5	17.4	24.1	7.5	21.2	47.7	58.8	13.5	45.8	50.8	34.8	53.5	54.4	10.2	15.1	14.8	
		45-54	139.1	264.1	319.6	222.6	168.0	152.4	168.3	154.2	164.3	184.1	160.7	176.1	150.7	100.8	141.2	159.6	135.5	162.4	86.2	
		55-64	894.4	553.2	798.3	588.2	542.4	483.8	641.8	514.7	432.8	534.1	611.4	366.9	632.7	414.7	463.3	497.3	442.0	500.5	516.2	
65-74		1336.2	1363.6	1367.9	1120.4	1281.5	1524.7	1404.3	1229.2	904.3	935.3	901.6	1185.5	1082.2	1048.7	919.2	994.7	790.0	749.8	686.0		
75-84	3048.8	2322.9	2134.8	1180.3	1979.2	3152.7	1953.1	2663.0	1989.6	2142.2	1921.4	1266.9	2049.2	1720.3	1856.1	1090.7	1618.9	547.6	683.0			
85+	2262.4	2953.6	4705.9	1811.6	4044.1	1067.6	2684.6	4561.4	4878.0	3921.6	3154.6	3058.1	2670.6	2717.4	3954.8	1502.5	2031.6	2211.7	936.0			
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	17.2	33.0	16.5	0.0	0.0	0.0	14.9	14.5	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		5-14	10.0	0.0	0.0	0.0	7.3	0.0	0.0	6.2	0.0	5.8	0.0	6.7	0.0	5.9	0.0	0.0	0.0	13.7	4.5	
		15-24	0.0	0.0	0.0	0.0	17.8	0.0	8.1	0.0	0.0	14.5	0.0	16.1	0.0	0.0	0.0	0.0	0.0	5.4	10.6	
		25-34	19.9	18.2	8.9	8.7	8.1	8.1	15.6	0.0	0.0	7.4	0.0	8.2	8.0	14.6	7.5	13.4	10.7	5.7	5.6	
		35-44	14.0	25.1	58.5	66.1	10.1	83.5	26.1	57.0	110.0	38.4	57.5	71.4	53.9	42.1	64.9	6.5	40.1	47.5	29.3	
		45-54	124.3	117.3	130.5	142.0	164.1	200.4	215.4	55.7	142.7	183.3	186.5	228.4	128.2	148.9	87.3	162.5	117.0	130.3	164.2	
		55-64	258.6	328.9	344.6	217.6	360.9	341.1	415.8	373.7	384.8	329.4	293.6	466.2	373.5	340.7	478.6	483.5	275.1	346.9	467.8	
		65-74	652.7	666.7	752.8	735.6	522.2	615.9	664.1	719.4	861.5	527.3	769.2	650.8	901.7	767.5	902.4	1025.3	585.1	480.2	513.6	
		75-84	809.7	1157.4	876.6	852.3	1023.9	1316.7	838.7	1348.0	652.8	981.0	1238.9	1140.9	1050.9	1361.6	1143.5	1073.2	665.0	761.5	481.5	
85+	1965.6	2619.0	1324.5	1391.7	1506.6	1071.4	1349.1	1112.9	1659.1	875.9	745.2	864.6	559.4	1908.4	1583.1	2355.1	737.6	660.4	1303.5			

**TABLE 13
AGE-SPECIFIC CANCER MORTALITY RATES BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008**

			1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
American Indian or Alaska Native	Total	<1	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	4.1	15.9	12.0	0.0	0.0	8.6	4.5	4.5	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	8.3
		5-14	4.3	0.0	5.7	0.0	3.6	3.4	1.6	4.9	1.6	3.1	3.4	1.6	3.2	4.5	0.0	1.5	0.0	0.0	0.0	0.0
		15-24	2.7	5.0	0.0	14.6	0.0	4.6	6.7	6.4	6.2	2.0	8.5	10.3	10.0	5.6	5.8	1.9	4.6	7.5	4.4	4.4
		25-34	5.8	15.8	5.1	2.5	9.9	9.7	9.7	16.9	7.4	9.9	10.8	10.4	17.7	2.4	2.4	4.7	10.6	2.0	5.9	5.9
		35-44	21.4	19.1	39.8	30.9	12.9	21.2	49.0	35.9	40.2	33.8	47.5	32.4	36.7	12.2	12.6	31.8	23.3	24.7	31.0	31.0
		45-54	122.5	108.1	121.1	57.2	91.0	84.8	80.5	83.7	76.6	75.6	70.5	76.2	93.4	83.4	116.6	87.4	43.2	61.9	79.6	79.6
		55-64	249.7	241.8	161.9	230.8	222.0	194.9	189.3	221.3	200.0	189.1	171.1	275.7	213.9	174.5	344.0	276.7	118.5	185.7	208.7	208.7
		65-74	375.0	561.4	344.9	418.2	424.9	478.9	501.9	485.9	474.5	424.7	456.8	509.6	384.4	440.3	406.7	414.9	298.7	444.5	351.0	351.0
		75-84	774.2	761.7	874.5	987.0	654.0	1069.7	1018.2	684.8	665.8	763.4	884.1	806.1	687.0	1016.1	974.5	585.3	569.0	783.2	731.4	731.4
	85+	1226.4	1162.8	998.3	1392.3	959.2	1261.8	1494.8	803.5	1233.7	1114.2	1152.7	557.5	1284.7	1008.2	1276.9	1697.1	1018.8	1258.9	956.3	956.3	
	Male	<1	0.0	0.0	0.0	32.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	8.1	16.0	16.0	0.0	0.0	8.6	8.9	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	8.2	8.2
		5-14	8.6	0.0	3.8	0.0	0.0	3.4	3.2	3.2	3.2	3.1	3.4	0.0	3.2	0.0	0.0	3.0	0.0	0.0	0.0	0.0
		15-24	0.0	5.0	0.0	4.8	0.0	4.6	4.4	8.5	8.2	3.9	12.7	16.3	11.9	3.7	3.8	3.7	3.1	5.9	0.0	0.0
		25-34	0.0	10.8	0.0	0.0	5.0	9.8	9.8	14.7	4.9	15.0	5.5	15.8	15.3	4.8	0.0	0.0	8.5	4.0	11.8	11.8
		35-44	27.2	32.1	53.5	21.8	13.6	12.8	30.2	28.9	39.2	27.1	35.1	17.0	27.4	5.1	5.3	35.9	9.6	13.9	27.3	27.3
		45-54	145.6	68.0	116.0	36.6	68.8	85.1	70.5	93.3	63.1	67.8	70.9	94.3	49.9	85.2	120.5	70.1	43.4	57.9	85.8	85.8
		55-64	266.9	265.0	197.9	337.3	288.3	257.5	184.1	283.2	273.1	207.5	266.9	303.5	191.3	123.5	328.8	346.8	103.5	201.8	235.1	235.1
		65-74	257.4	718.7	361.6	462.2	499.0	609.9	546.7	638.4	446.0	514.3	640.7	541.9	500.6	513.4	438.7	521.2	226.2	519.1	361.9	361.9
		75-84	759.9	1069.9	846.9	1060.8	843.9	1156.5	1154.6	923.6	839.3	821.6	977.4	886.0	974.2	908.6	1181.1	655.4	689.7	966.0	923.3	923.3
	85+	1511.9	1483.1	1437.4	1632.7	784.3	1375.2	1645.3	1065.7	1655.6	1454.5	970.9	375.9	1094.9	850.3	1457.2	3185.8	1935.5	1831.5	1452.8	1452.8	
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		1-4	0.0	0.0	0.0	15.9	8.0	0.0	0.0	8.6	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	8.4
		5-14	0.0	0.0	7.7	0.0	7.2	3.4	0.0	6.6	0.0	3.1	3.4	3.3	3.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0
		15-24	5.3	5.1	0.0	24.5	0.0	4.6	8.9	4.3	4.2	0.0	4.3	4.2	8.1	7.5	7.8	0.0	6.1	9.0	8.9	8.9
		25-34	11.2	20.6	10.1	4.9	14.6	9.6	9.6	19.0	9.7	4.9	16.0	5.2	20.0	0.0	4.8	9.3	12.8	0.0	0.0	0.0
		35-44	16.3	7.3	27.5	39.2	12.3	28.9	66.2	42.2	41.1	39.9	58.7	46.5	45.1	18.7	19.3	28.0	36.4	35.0	34.5	34.5
45-54		102.3	143.4	125.5	75.6	110.5	84.6	89.5	75.1	88.6	82.5	70.2	60.4	131.7	81.8	113.2	102.6	43.0	65.3	74.3	74.3	
55-64		235.7	222.4	132.0	141.4	166.3	142.9	193.6	169.8	139.1	173.7	91.5	252.6	232.7	217.0	356.7	218.6	131.2	171.3	185.3	185.3	
65-74		468.7	436.1	331.9	384.0	367.1	374.8	465.5	364.9	497.3	352.9	313.1	484.3	293.5	383.1	381.6	332.2	358.6	387.0	342.3	342.3	
75-84		785.5	514.6	896.4	930.0	514.9	1005.5	915.7	506.2	536.4	721.3	818.3	749.7	484.7	1091.9	829.4	536.2	475.5	645.7	587.1	587.1	
85+	1005.0	928.8	699.3	1231.2	1079.6	1185.8	1390.6	620.3	935.7	902.9	1260.0	664.5	1396.3	1101.1	1171.5	827.3	562.2	959.1	696.6	696.6		
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	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	21.7	0.0	0.0	18.0	0.0	0.0	0.0	0.0	18.2	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	8.9	0.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	4.5	12.8	4.2	4.2
		15-24	0.0	0.0	0.0	7.5	7.1	0.0	0.0	0.0	0.0	5.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0
		25-34	8.2	7.1	13.2	0.0	11.3	5.2	4.9	0.0	13.5	0.0	4.7	9.2	13.3	15.9	4.2	8.1	12.1	5.9	2.9	2.9
		35-44	21.5	28.3	17.5	32.5	36.8	40.4	18.7	5.8	38.9	26.3	45.6	5.5	26.7	38.1	45.1	19.4	28.5	17.0	26.9	26.9
		45-54	41.4	92.1	183.1	73.3	76.2	56.8	50.9	83.0	51.3	55.3	97.3	78.4	30.4	101.8	121.2	55.2	39.8	52.4	47.1	47.1
		55-64	281.2	195.3	203.3	223.6	247.2	185.6	86.4	144.7	223.8	143.8	145.7	225.4	150.3	146.4	295.1	235.8	89.2	190.8	203.7	203.7
		65-74	183.5	667.4	138.4	406.0	499.6	372.3	282.9	286.7	314.8	390.6	396.6	609.1	503.2	273.5	391.1	378.5	225.0	294.9	463.9	463.9
		75-84	955.4	437.3	813.0	1011.4	1040.5	1647.8	650.6	571.9	730.5	721.8	577.7	1490.7	903.6	1345.5	397.1	933.6	785.0	568.2	675.1	675.1
		85+	1265.8	2352.9	1595.7	1435.4	3255.8	2469.1	714.3	1238.4	1666.7	791.6	1002.5	486.6	1182.0	1268.5	1123.6	873.4	766.3	611.0	905.4	905.4

TABLE 13
AGE-SPECIFIC CANCER MORTALITY RATES BY RACE/ETHNICITY, GENDER AND YEAR, ARIZONA, 1990-2008

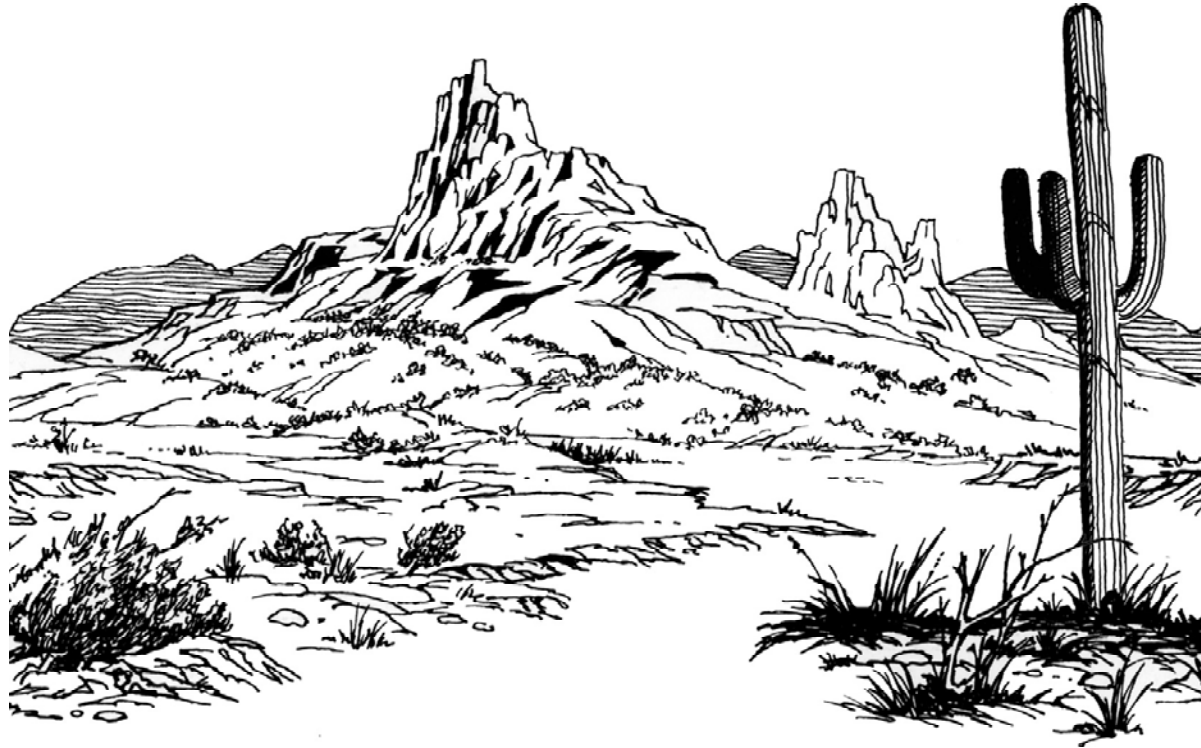
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
Male	<1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	1-4	0.0	0.0	0.0	0.0	0.0	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.8	0.0
	5-14	0.0	0.0	0.0	17.4	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0	8.9	8.6	8.5
	15-24	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	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	17.1	14.6	13.6	0.0	11.6	10.8	0.0	0.0	0.0	0.0	0.0	18.7	9.0	8.1	0.0	8.6	6.1	0.0	0.0	
	35-44	25.1	43.9	0.0	18.5	0.0	44.3	27.3	12.7	12.1	0.0	25.0	12.1	35.2	10.5	27.6	41.1	14.9	50.7	50.0	
	45-54	48.6	87.1	237.3	140.5	92.3	0.0	74.8	90.1	62.2	76.7	79.8	57.9	18.7	100.3	120.1	73.2	22.4	150.2	31.8	
	55-64	164.1	218.0	265.4	232.2	421.5	138.6	42.8	238.5	181.5	34.5	174.9	270.5	164.0	205.0	132.0	158.4	118.2	129.6	311.1	
	65-74	421.9	1060.1	0.0	479.8	692.0	687.0	498.2	330.0	122.9	575.4	176.5	568.8	441.5	295.7	272.9	467.1	245.6	316.5	626.0	
	75-84	1242.2	0.0	1420.5	1369.9	1534.5	1144.2	852.9	374.5	859.1	1112.9	783.7	2276.2	1030.9	919.8	96.1	1179.2	1030.0	72.4	931.9	
	85+	1388.9	2564.1	2272.7	1075.3	5618.0	3846.2	819.7	699.3	2395.2	1219.5	1724.1	0.0	1630.4	2439.0	1185.8	467.3	2120.1	####	1643.8	
	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	0.0	0.0	0.0	0.0	0.0	0.0	
		1-4	0.0	0.0	44.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.9	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	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0
		15-24	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	0.0	11.8	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		25-34	0.0	0.0	12.8	0.0	11.0	0.0	9.6	0.0	26.2	0.0	9.3	0.0	17.5	23.5	8.5	7.6	18.1	11.6	5.7
		35-44	18.7	16.6	30.9	43.5	66.6	37.1	11.5	0.0	61.8	48.6	62.8	0.0	19.6	61.3	65.9	0.0	40.9	32.1	6.3
		45-54	36.1	95.7	143.7	25.1	64.9	96.1	34.4	78.1	43.7	40.3	109.3	92.4	38.4	102.9	122.7	39.1	53.7	34.3	59.3
		55-64	353.2	181.1	164.7	218.2	135.3	217.3	115.9	81.0	253.4	222.1	124.9	193.2	140.5	104.6	523.2	304.4	68.9	142.8	128.3
65-74		0.0	364.0	241.5	351.9	364.5	156.8	140.8	258.4	439.6	267.8	541.4	635.5	543.7	258.9	571.1	300.2	209.4	348.8	344.8	
75-84		653.6	867.1	259.1	704.2	632.9	2059.9	494.2	724.6	635.3	446.9	434.8	946.4	815.5	1640.8	831.0	719.4	623.2	467.5	509.3	
85+	1162.8	2173.9	1000.0	1724.1	1587.3	1438.8	632.9	1666.7	1036.3	465.1	444.4	862.1	836.8	373.1	1041.7	1229.5	0.0	803.9	476.9		

TABLE 14
RATES* OF INPATIENT DISCHARGES WITH HEART DISEASE OR CANCER AS FIRST-LISTED DIAGNOSIS
BY GENDER AND YEAR, ARIZONA RESIDENTS, 1995-2008

Year	Heart disease	Cancer	Heart disease		Cancer	
			M	F	M	F
1995	104.0	35.7	119.3	89.0	34.4	37.1
1996	106.0	35.7	122.9	89.3	35.3	36.0
1997	108.4	35.9	123.7	93.2	35.0	36.8
1998	110.9	36.5	127.9	94.1	34.9	38.0
1999	108.6	36.5	124.1	93.2	35.0	37.9
2000	116.8	37.6	132.8	100.9	35.4	39.7
2001	117.4	37.5	134.0	101.0	35.7	39.3
2002	112.0	35.9	126.6	97.3	34.1	37.8
2003	109.4	34.5	123.4	95.4	33.9	35.1
2004	114.8	34.8	131.0	98.5	33.7	35.8
2005	111.7	34.8	128.8	94.6	34.5	35.1
2006	110.3	33.9	127.4	93.3	33.3	34.5
2007	104.3	33.3	120.7	87.8	33.8	32.7
2008	103.0	32.6	118.1	87.8	32.4	32.8

*The number of discharges per 10,000 population in specified group.

Our Web site at <http://www.azdhs.gov/plan> provides instantaneous access to a wide range of statistical information about health status of Arizonans. The *Arizona Health Status and Vital Statistics* annual report examines trends in natality, mortality, and morbidity towards established health objectives. Additional reports and studies include *Differences in the Health Status Among Race/Ethnic Groups*, *Advance Vital Statistics by County of Residence*, *Mortality from Alzheimer's Disease*, *Injury Mortality among Arizona Residents* (accidents, suicides, homicides, legal intervention, firearm-related fatalities, drug-related deaths, drowning deaths, falls among Arizonans 65 years or older), hospital inpatient and emergency room statistics for *mental disorders*, *asthma*, *diabetes*, *influenza and pneumonia* and *substance abuse*, *Community Vital Statistics*, *Teenage Pregnancy*, *Selected Characteristics of Newborns and Mothers Giving Birth by Census Tract* in Maricopa County, Pima County and South Phoenix Area, *Health Status Profile of American Indians in Arizona*, *Deaths from Exposure to Excessive Natural Heat Occurring in Arizona*, *Obesity in Arizona: Prevalence, Hospital Care Utilization, Mortality, and Marital Status and Health*.



**Health Status and Vital Statistics Section
Bureau of Public Health Statistics
PUBLIC HEALTH SERVICES
ARIZONA DEPARTMENT OF HEALTH SERVICES**