



**Trends in Lung Cancer
Morbidity and Mortality**

**American Lung Association
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Introduction¹

The incidence and mortality attributed to lung cancer rose steadily since the 1930's, primarily due to the popularity of cigarette smoking pre and post World Wars I and II, before plateauing and possibly starting to decrease in recent years. Lung cancer has been the leading cause of cancer deaths among men since the early 1950's and, in 1987, surpassed breast cancer to become the leading cause of cancer deaths among women in the United States. Lung cancer was estimated to cause 159,260 deaths in 2014, accounting for 27 percent of all cancer deaths.¹ The following report delineates data available from national surveys on lung cancer mortality, prevalence, incidence, hospitalizations and survival rates.

Mortality Trends

Beginning with 1999 mortality data, the population standard used for calculating age-adjusted death rates was changed from the 1940 population to the 2000 population.ⁱⁱ In addition, starting with 1999 data, the tenth revision of international classification of diseases (ICD-10) replaced ninth revision (ICD-9) in coding and classifying mortality data from death certificates.ⁱⁱⁱ Due to decennial revisions of the International Classification of Diseases (ICD) coding system and the change in age-adjusted standard population, the number and rate of lung cancer deaths for 1999–2012 are not directly comparable to those reported between 1978 and 1998.

Lung cancer causes more deaths than the next three leading causes of cancer death combined (colorectal, breast and pancreatic). Death rate trends differ between the sexes. Death rates in men have continued to decline since 1991, and after several decades of continuous increases, have plateaued among females.²

Table 1 documents the number of deaths due to lung cancer by race and sex between 1979 and 2012. The number of deaths due to lung cancer has increased approximately 3.5 percent from 152,156 in 1999 to 157,499 in 2012. In 2012, the greatest number of lung cancer deaths were among white males and the fewest among black females.³

Table 2 displays the age-adjusted death rate per 100,000 population by race and sex for the same years. In 2012, the age-adjusted death rate was 44.9 per 100,000 persons. The age-adjusted death rate was 54.1 percent greater in males (56.1 per 100,000) than in females (36.4 per 100,000). The age-adjusted death rate in the black population (48.3 per 100,000) was 5.9 percent greater than the

¹ Unless otherwise noted, terms such as higher or less are not intended to indicate statistical significance.

ⁱⁱ This change had three important outcomes: (i) provided age-adjusted rates that are less divergent from crude rates (ii) ensured that all government agencies use the same standard and (iii) corrected the public perception that age-adjustment to the 1940 population provided out-of-date statistics. Use of the 2000 population standard placed more weight on death rates at older ages and less weight on death rates at younger ages. Because most lung disease rates increase with age, death rates using the new standard generally were higher than those using the old standard.

ⁱⁱⁱ The ICD is periodically revised to reflect changes in the medical field. This change has had several consequences: (i) new cause-of-death titles and corresponding cause-of-death codes, i.e. ICD-10 has alphanumeric categories rather than numeric categories, (ii) breaks in comparability of cause-of-death statistics, and (iii) restructuring of the leading causes of death. In order to assess the net effect of the new revision on death statistics, a comparability ratio is derived. The comparability ratio is calculated by dividing the number of deaths for a selected cause of death classified by the new revision by the number of deaths classified to the most nearly comparable cause of death by the previous revision. A comparability ratio of 1 denotes no change between revisions; a ratio of less than 1 signifies a decrease and a ratio of greater than 1 symbolizes an increase in deaths. The comparability ratio for lung cancer is 0.9837, indicating a 2 percent decrease in assignments of deaths due to lung cancer when using ICD-10.

rate in the white population (45.6 per 100,000). The age-adjusted death rate in black males (68.6 per 100,000) was 22.5 percent higher than that of white males (56.0 per 100,000). In contrast, white women had an age-adjusted death rate that was 8.4 percent higher than black women (37.6 versus 34.7 per 100,000, respectively). Overall, age-adjusted death rates have decreased by 19.8% between 1999 and 2012.⁴

Figure 1 depicts the 2007-2011 age-adjusted death rates for selected cancer sites by sex.

Figure 2 depicts age-adjusted death rates by race/ethnicity and sex for 2007-2011. Age-adjusted lung cancer death rates among Hispanics, American Indians/Alaska Natives and Asians/Pacific Islanders were considerably lower than rates among whites and blacks.⁵

Tables 3 and 4 show the number of deaths and the age-specific death rates due to lung cancer by race/ethnicity and sex for 10-year age groups from 2005 through 2012. Deaths attributed to lung cancer increase with age and are greatest among those over 65 years of age. In 2012, age-specific death rates were highest in non-Hispanic black males for all age groups. Age-specific death rates were lower among non-Hispanic black females compared to non-Hispanic white females for those aged 85 and older, 75-84, and 65-74, but similar for those aged 55-64, 45-54, and 35-44.⁶

Table 5 delineates state-specific age-adjusted lung cancer death rates by sex from 2003 to 2012. Kentucky experienced the highest lung cancer death rates overall (68.8 per 100,000), among males (110.7 per 100,000) and among females (55.3 per 100,000). Utah had the lowest lung cancer death rate overall (20.3 per 100,000), among males (26.5 per 100,000) and among females (15.3 per 100,000).⁷

Table 6 displays state-specific age-adjusted lung cancer death rates by race from 1999 to 2008. Among whites, the highest death rate was reported in Kentucky (74.0 per 100,000) while the lowest was reported in Utah (23.1 per 100,000). When examining the death rate in blacks, the small number of deaths in some states makes the corresponding data unreliable. Among the states with more than 20 deaths, the highest death rate in blacks was reported in Kentucky (91.4 per 100,000) while the lowest was reported in New York (37.2 per 100,000).⁸

Morbidity Trends

The American Cancer Society estimates that there will be 224,210 new cases of lung cancer in 2014. These new cases will account for almost 14 percent of all cancer diagnoses.⁹ There are two national cancer registries that collect data on cancer prevalence and incidence: the Surveillance, Epidemiology and End Results (SEER) program of the National Cancer Institute and the National Program of Cancer Registries (NPCR) program of the Centers for Disease Control and Prevention.

Table 7 presents lung cancer prevalence counts by race, sex and years since diagnosis. In 2011, 402,326 Americans were living with lung cancer. The majority (57%) of lung cancer patients living have been diagnosed within the last 5 years.¹⁰

Tables 8 through 11 delineate age-adjusted cancer incidence rates for respiratory cancers by site, sex and race between 1975 and 2011. Lung cancer incidence increased by 6.3 percent from 52.2 per 100,000 in 1975 to 55.5 per 100,000 in 2011. The lung cancer incidence rate peaked at 69.6 per 100,000 in 1992, a 33.3% increase since 1975, and has decreased 20.3 percent since this high point (**Figure 3**).

The 2011 incidence rates for lung cancer in men and women were 64.8 per 100,000 and 48.6 per 100,000, respectively. Over the past 37 years, the lung cancer age-adjusted incidence rate has decreased 27.5 percent in males compared to an increase of 98.4 percent in females. Rates peaked for men at 102.1 per 100,000 in 1984, and for women at 52.8 per 100,000 in 1998. These peaks were 14.2 percent and 53.6 percent higher than the rates in 1975, and current rates are 36.5 percent and 8.0 percent lower, respectively.¹¹

Between 1975 and 2011, the age-adjusted lung cancer incidence rate in both white and black males decreased a similar amount at 27.2 percent and 25.8 percent, respectively. However, the 2011 incidence rate in black men was 32.5 percent higher than that of white men (85.3 vs. 64.4 per 100,000, respectively). Lung cancer in both white and black women has more than doubled since 1975, increasing by 103.6 percent and 106.5 percent, respectively. Unlike males, the incidence rates of lung cancer in white women (50.7 per 100,000) and black women (51.0 per 100,000) were similar in 2011.¹²

Malignant mesothelioma is an uncommon, but no longer rare, cancer that is difficult to diagnose and poorly responsive to therapy. Malignant mesothelioma is the most serious of all asbestos-related diseases. In 2011, the age-adjusted mesothelioma cancer incidence rate was 1.0 per 100,000 persons (**Table 9**). Although the incidence rate remains low, it has increased 67 percent between 1977 and 2011.¹³ The majority of mesothelioma cases are seen in males that have had occupational exposure to asbestos.

Age-adjusted oral cavity and pharynx incidence rates have decreased in both whites and blacks between 1975 and 2011 (**Table 10**). In 2011, the age-adjusted oral cancer incidence rate was 11.2 per 100,000 persons overall, 11.8 per 100,000 persons in whites and 9.0 per 100,000 in blacks.¹⁴

The overall incidence rate for cancer of the larynx has decreased 42.0 percent between 1975 and 2011 (**Table 11**). The 2011 incidence rate in black females (1.3 per 100,000) was 18.2 percent higher than white females (1.1 per 100,000). Black males had an incidence rate that was 59.6 percent higher than that of white males (8.3 vs. 5.2 per 100,000, respectively).¹⁵

Table 12 displays lung cancer age-adjusted incidence rates by race, ethnicity and sex for 2007 through 2011. Over this 5-year period, Hispanics, Asians/Pacific Islanders, and American Indians/Alaska Natives were less likely to develop lung cancer than non-Hispanic blacks or whites.¹⁶

Table 13 delineates state-specific lung cancer counts and rates by sex. In 2011, Kentucky had the highest age-adjusted incidence rate in males (112.2 per 100,000) and in females (79.3 per 100,000). Utah had the lowest at 34.5 per 100,000 in males and 25.0 per 100,000 in females.¹⁷ These rates are consistent with state-specific smoking prevalence rates.¹⁸

Hospitalization Trends

Table 11 delineates age-specific hospital discharge data derived from the National Hospital Discharge Survey. In 2010, the total number of discharges reported for lung cancer was 177,000. This represents a discharge rate of 5.8 per 10,000 and was a 40.2 percent decrease from the discharge rate of 9.7 per 10,000 reported in 1988. The greatest number of discharges occurred in the population over age 65.¹⁹

Table 12 displays the race-specific number of discharges and discharge rate between 1988 and 2010. The 2010 discharge rate for lung cancer was slightly higher for whites (5.5 per 10,000) than blacks (5.2 per 10,000). These rates should be interpreted with caution due to the large percentage of discharges (14.4 percent) for which race was not reported.²⁰

Lung Cancer Types

There are two major types of lung cancer: small cell lung cancer (SCLC) and non-small cell lung cancer (NSCLC). Sometimes a lung cancer may have characteristics of both types, which is known as mixed small cell/large cell carcinoma.

Small cell lung cancer is less common, accounting for approximately 14 percent of all lung cancer cases.²¹ This type of lung cancer grows more quickly and is more likely to spread to other organs in the body. Small cell lung cancer often starts in the bronchi and towards the center of the lungs. Smoking is the main cause.

Non-small cell lung cancer accounts for the remaining 86 percent of lung cancer cases.²² It generally grows and spreads more slowly than small cell lung cancer. There are three main types of non-small cell lung cancer. They are named for the type of cells in which the cancer develops: squamous cell carcinoma, adenocarcinoma, and large cell carcinoma. Adenocarcinoma is the most frequent form of lung cancer in the United States.

Figure 4 delineates the stage distribution for the most common lung cancer types. Staging is used to determine whether the cancer has spread and, if so, to what parts of the body. Stages include localized (within lungs), regional (spread to lymph nodes) and distant (spread to other organs). Between 2004 and 2010, 72 percent of all small cell lung cancer cases were diagnosed during the distant stage and only 5 percent were diagnosed at the localized stage. This compares to 55 percent of non-small cell lung cancer diagnosed in the distant stage and 18 percent of cases diagnosed in the localized stage.²³

Trends in Survival Rates

Table 13 depicts trends in survival rates for lung and other types of cancer by race from 1960 through 2010 (except 1964–1969). Survival rates for lung cancer tend to be much lower than other common cancers. The expected five-year survival rate for all patients in whom lung cancer is diagnosed is 17.8 percent compared to 65.4 percent for colon, 90.5 percent for breast and 99.6 percent for prostate cancer. Survival rates for all cancers listed have experienced significant increases since 1975–1977.²⁴

Compared to whites, blacks experienced lower five-year survival rates for each type of cancer listed. The five-year survival rate for lung cancer in blacks during the period spanning 2004–2010 was 14.9 percent. The survival rate for lung cancer in Whites was better at 18.2 percent.²⁵

Table 14 displays trends in the five-year survival rates by lung cancer type, race and sex. Survival rates for non-small cell lung cancer are greater than those seen for small cell lung cancer. Between 2004 and 2010 the survival rate for non-small cell lung cancer was 21.7 percent compared to 6.6 percent for small cell lung cancer.²⁶

The *prognosis* (outlook for survival) for a patient with lung cancer depends, to a large extent, on the cancer's stage. **Figure 5** displays the five-year survival rates for all stages by type of lung cancer.

The average five-year survival rate from 2004 through 2010 for localized lung cancer was 54.0 percent compared to 16.8 percent overall and 4.0 percent for a distant tumor. Unfortunately, only 15 percent of people with lung cancer are diagnosed at an early, localized stage.²⁷

Smoking-Attributable Lung Cancer Deaths

The most important cause of lung cancer in the United States is cigarette smoking. It is estimated that 80 percent of lung cancer deaths in women and 90 percent in men, respectively, are caused by smoking. Compared to non-smokers, men who smoke are 23 times more likely to develop lung cancer, while women are 13 times more likely. The risk increases with the duration of smoking and amount smoked per day.²⁸ Between 2005 and 2009, an average of 130,659 Americans (74,300 males and 56,359 females) died of smoking-attributable lung cancer annually.²⁹

Lifetime Risk of Being Diagnosed With and Dying From Lung Cancer

Using data from the SEER registry, the National Cancer Institute has calculated the lifetime risk of being diagnosed with lung cancer, as well as the lifetime risk of dying from lung cancer. This risk is calculated for the entire population and includes smokers and non-smokers. These data are displayed in **Table 18** by race and sex for 2009 through 2011. Overall, 7.43 percent of males and 6.47 percent of females will be diagnosed with lung cancer at some point during their lives. The lifetime risk of being diagnosed with and dying from lung cancer is highest in males.³⁰

International Lung Cancer Data

Lung cancer is the most common cancer and cancer cause of death in the world, accounting for 1.8 million new cases (12.9% of all new cancer cases) and 1.6 million deaths (19.4% of all cancer deaths) in 2012.³¹ Lung cancer death rates vary by country and mimic the development of the smoking epidemic within that country, such that men have higher rates earlier, but women take on more of the lung cancer burden as they begin smoking more.

Summary

Lung cancer is the leading cause of cancer mortality in both men and women in the United States. An estimated 224,210 new cases are expected to be diagnosed in 2014, accounting for almost 14 percent of all cancer diagnoses.³² It has been shown that rises and declines in lung cancer incidence and mortality rates parallel past trends of cigarette smoking. It has been estimated that active smoking is responsible for close to 90 percent of lung cancer cases; radon causes 10 percent, occupational exposures to carcinogens account for approximately 9 to 15 percent and outdoor air pollution 1 to 2 percent. Because of the interactions between exposures, the combined attributable risk for lung cancer can exceed 100 percent.³³ Five-year survival rates are low compared to other common cancers at 16.8 percent.³⁴

Glossary

Mortality is the term used to refer to deaths. Mortality rates are per 100,000 population and are usually age-adjusted to the 2000 U.S. standard population.

Age-Adjusted Mortality Rate is a figure that is statistically adjusted to remove the distorting effect of age when comparing populations with different age structures. Most rates are age-adjusted to the 2000 U.S. standard population.

Morbidity is defined as illness and is the term used to refer to measures of illness, such as hospitalizations or emergency room visits.

Prevalence is the number of existing cases of a particular condition, disease or other occurrence (e.g. persons smoking) at a given time. Prevalence rates are the number of existing cases in a particular population quantity at a given time (e.g. 10 cases per 100,000). Chronic disease prevalence is reported per 1,000 population.

Incidence is the number of new cases occurring in a population during a particular period of time (e.g. 100 cases of tuberculosis from 1998 to 2002). Incidence rates are reported per 100 or 100,000 population.

Sources:

- ¹ American Cancer Society. [Cancer Facts and Figures, 2014](#).
- ² Centers for Disease Control and Prevention, National Center for Health Statistics. CDC [WONDER On-line Database](#), compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.
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- ⁵ U.S. National Institutes of Health. National Cancer Institute: [SEER Cancer Statistics Review, 1973-2011](#).
- ⁶ Centers for Disease Control and Prevention. National Center for Health Statistics. CDC [WONDER On-line Database](#), compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.
- ⁷ Ibid.
- ⁸ Ibid.
- ⁹ American Cancer Society. [Cancer Facts and Figures, 2014](#).
- ¹⁰ U.S. National Institutes of Health. National Cancer Institute: [SEER Cancer Statistics Review, 1973-2011](#).
- ¹¹ Ibid.
- ¹² Ibid.
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- ¹⁷ U.S. National Institutes of Health. National Cancer Institute: [State Cancer Profiles web tool](#), accessed October 6, 2014.
- ¹⁸ Centers for Disease Control and Prevention. Behavioral Risk Factor Surveillance System. 2013 raw data analyzed by American Lung Association using SPSS and SUDAAN software.
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- ³² American Cancer Society. [Cancer Facts and Figures, 2014](#).
- ³³ Alberg AJ and Samet J. [Epidemiology of Lung Cancer](#). *Chest*, January 2003; 123:21S–49S.
- ³⁴ U.S. National Institutes of Health. National Cancer Institute: [SEER Cancer Statistics Review, 1973-2011](#).

Table 1: Number of Deaths by Race and Sex, 1979-1998, 1999-2012

Year	All Races						All Other Races ¹					
	All Races			White			Total			Black		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1979 ²	98,541	72,803	25,648	87,532	64,338	23,194	11,009	8,465	2,454	10,247	7,991	2,256
1980	103,844	75,535	28,309	92,182	66,651	25,531	11,662	8,884	2,778	10,957	8,382	2,575
1981	106,561	76,764	29,797	94,441	67,525	26,916	12,120	9,239	2,881	11,372	8,697	2,675
1982	111,393	79,228	32,165	98,780	69,686	29,094	12,613	9,542	3,071	11,857	9,003	2,854
1983	115,023	80,338	34,685	101,857	70,598	31,259	13,166	9,740	3,426	12,282	9,117	3,165
1984	118,730	82,491	36,239	105,027	72,239	32,788	13,703	10,252	3,451	12,708	9,569	3,139
1985	122,566	83,854	38,702	108,529	73,519	35,010	14,037	10,335	3,692	13,009	9,615	3,394
1986	125,522	85,057	40,465	111,049	74,517	36,532	14,473	10,540	3,933	13,354	9,773	3,581
1987	130,009	87,261	42,748	114,888	76,398	38,490	15,121	10,863	4,258	13,886	10,065	3,821
1988	133,284	88,059	45,225	117,826	77,063	40,763	15,458	10,996	4,462	14,131	10,112	4,019
1989	137,150	89,052	48,098	121,023	77,659	43,364	16,127	11,393	4,734	14,703	10,457	4,246
1990	141,285	91,091	50,194	124,650	79,488	45,162	16,635	11,603	5,032	15,144	10,632	4,512
1991	143,758	91,690	52,068	126,872	80,028	46,844	16,886	11,662	5,224	15,201	10,545	4,656
1992	145,943	91,405	54,538	128,719	79,728	48,991	17,224	11,677	5,547	15,472	10,530	4,942
1993	148,855	92,564	56,291	131,337	80,620	50,717	17,518	11,944	5,574	15,641	10,733	4,908
1994	149,482	91,893	57,589	131,871	80,096	51,775	17,611	11,797	5,814	15,670	10,555	5,115
1995	151,200	91,856	59,344	133,366	80,088	53,278	17,834	11,768	6,066	15,790	10,537	5,253
1996	152,015	91,620	60,395	134,055	79,809	54,246	17,960	11,811	6,149	15,835	10,463	5,372
1997	153,310	91,352	61,958	135,060	79,624	55,436	18,250	11,728	6,522	16,014	10,336	5,678
1998	154,561	91,447	63,114	136,026	79,649	56,377	18,535	11,798	6,737	16,105	10,288	5,817
1999 ³	152,156	89,453	62,703	133,752	77,846	55,906	18,404	11,607	6,797	15,963	10,135	5,828
2000	155,521	90,469	65,052	136,912	78,747	58,165	18,609	11,722	6,887	16,066	10,153	5,913
2001	156,058	90,426	65,632	137,274	78,665	58,609	18,784	11,761	7,023	16,019	10,131	5,888
2002	157,713	90,171	67,542	138,661	78,465	60,196	19,052	11,706	7,346	16,316	10,075	6,241
2003	158,086	89,964	68,122	138,743	78,215	60,528	19,343	11,749	7,594	16,372	9,988	6,384
2004	158,091	89,630	68,461	138,425	77,730	60,695	19,666	11,900	7,766	16,472	9,995	6,477
2005	159,292	90,187	69,105	139,442	78,379	61,063	19,850	11,808	8,042	16,567	9,887	6,680
2006	158,664	89,279	69,385	138,814	77,476	61,338	19,850	11,803	8,047	16,493	9,823	6,670
2007	158,760	88,372	70,388	138,730	76,502	62,228	20,030	11,870	8,160	16,494	9,839	6,655
2008	158,656	88,586	70,070	138,715	76,761	61,954	19,941	11,825	8,116	16,250	9,638	6,612
2009	158,158	87,741	70,417	138,111	75,906	62,205	20,047	11,835	8,212	16,334	9,695	6,639
2010	158,318	87,740	70,578	137,698	75,675	62,023	20,620	12,065	8,555	16,688	9,793	6,895
2011	157,017	86,774	70,243	136,347	74,817	61,530	20,670	11,957	8,713	16,594	9,646	6,948
2012	157,499	86,740	70,759	136,465	74,547	61,918	21,034	12,193	8,841	16,792	9,779	7,013

Source: Centers for Disease Control and Prevention. National Center for Health Statistics. WONDER Online Database, compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.

Notes:

- (1) All races other than white.
- (2) International Classification Of Diseases, 9th Revision (ICD-9) Code 162.
- (3) International Classification Of Diseases, 10th Revision (ICD-10) Code C33-C34.

Table 2: Age-Adjusted Mortality Rates^{1,2} by Race And Sex, 1979-1998, 1999-2012

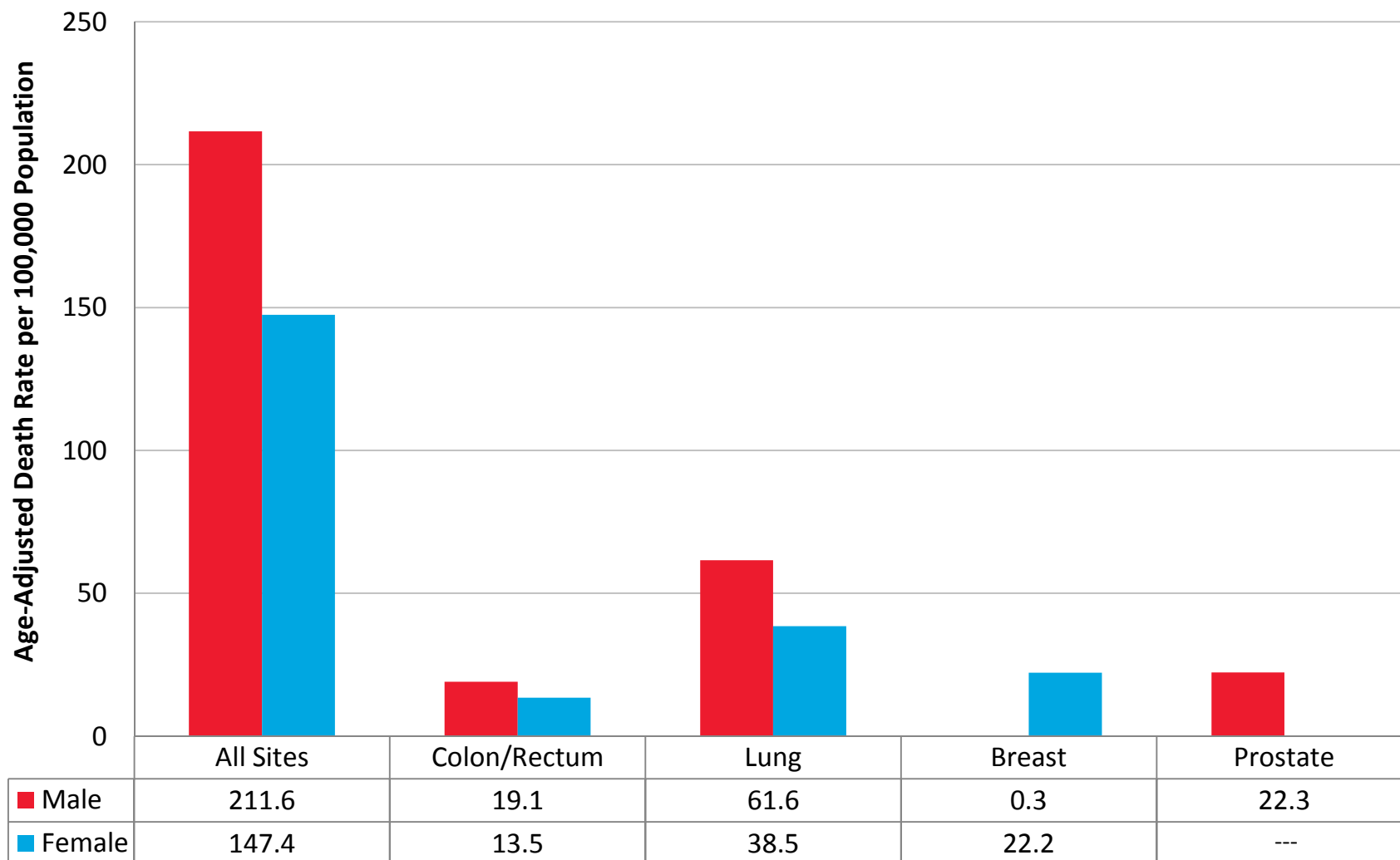
Year	All Races			White			All Other Races ²					
	Total	Male	Female	Total	Male	Female	Total			Black		
							Total	Male	Female	Total	Male	Female
1979 ⁴	33.6	55.7	16.3	33.0	54.3	16.4	38.4	67.4	15.7	41.6	74.2	16.6
1980	34.8	56.9	17.6	34.2	55.5	17.6	39.8	69.2	17.1	43.9	77.2	18.5
1981	35.1	56.9	18.2	34.4	55.3	18.2	40.2	70.0	17.2	44.7	79.0	18.9
1982	35.9	57.6	19.2	35.3	56.0	19.4	40.6	70.6	17.6	45.6	80.4	19.5
1983	36.4	57.3	20.3	35.8	55.7	20.5	41.3	70.6	19.1	46.5	80.4	21.2
1984	37.0	58.0	20.8	36.4	56.2	21.0	41.9	72.5	18.9	47.2	83.1	20.7
1985	37.6	58.1	21.8	37.0	56.4	22.1	41.9	71.6	19.5	47.6	82.6	21.8
1986	37.8	57.9	22.3	37.2	56.2	22.5	42.1	71.4	20.2	48.0	82.8	22.6
1987	38.5	58.5	23.1	37.9	56.8	23.3	42.8	71.9	21.3	49.0	84.0	23.7
1988	38.9	58.2	24.0	38.3	56.5	24.3	42.5	71.0	21.6	48.9	83.1	24.3
1989	39.3	57.9	24.9	38.6	56.0	25.3	43.4	72.3	22.1	50.2	85.3	25.0
1990	39.9	58.5	25.6	39.3	56.6	25.9	43.9	72.3	23.2	51.3	86.2	26.4
1991	39.6	57.5	25.8	39.1	55.8	26.1	42.7	70.0	22.8	49.9	83.2	26.1
1992	39.3	56.0	26.4	38.8	54.4	26.7	42.4	68.1	23.6	49.8	81.4	27.3
1993	39.3	55.7	26.6	38.9	54.0	27.0	41.7	67.7	22.9	48.9	80.8	26.2
1994	38.7	54.2	26.6	38.4	52.7	27.1	40.7	64.9	23.1	47.9	77.6	26.7
1995	38.3	53.0	26.9	38.0	51.6	27.4	40.1	63.0	23.5	47.3	75.8	26.9
1996	37.8	51.8	26.8	37.6	50.5	27.5	40.7	64.8	23.3	46.2	73.2	26.5
1997	37.4	50.5	27.0	37.1	49.3	27.5	39.4	61.4	23.8	45.3	70.6	27.4
1998	37.0	49.5	27.0	36.8	48.4	27.5	39.2	56.8	23.6	44.6	68.5	27.5
1999 ⁵	56.0	77.0	40.8	56.0	75.8	41.5	55.7	84.9	35.4	65.2	101.8	40.5
2000	56.5	76.6	41.8	56.6	75.5	42.8	54.8	83.4	34.8	64.1	99.5	40.2
2001	55.3	75.2	41.0	55.6	74.2	42.1	52.8	81.1	33.8	62.5	99.1	38.7
2002	54.9	73.2	41.6	55.3	72.5	42.6	51.5	77.0	34.1	61.9	95.0	40.1
2003	54.1	71.7	41.3	54.5	71.1	42.3	50.8	75.1	34.2	60.8	92.4	40.2
2004	53.2	70.1	40.9	53.6	69.4	41.9	49.9	73.2	34.0	59.8	90.0	39.9
2005	52.6	69.0	40.5	53.1	68.7	41.5	48.6	69.9	33.9	58.4	86.4	40.0
2006	51.5	67.0	40.0	52.1	66.8	41.1	47.0	67.5	32.8	56.8	83.7	39.0
2007	50.6	65.1	40.0	51.2	64.8	41.2	46.1	66.3	32.4	55.6	82.2	38.1
2008	49.5	63.6	39.0	50.2	63.4	40.2	44.6	63.9	31.3	53.4	78.5	36.9
2009	48.5	61.8	38.5	49.1	61.7	39.8	42.9	61.3	30.5	52.0	76.9	35.9
2010	47.6	60.3	38.1	48.3	60.1	39.3	43.0	60.3	31.0	51.4	73.7	36.5
2011	46.0	57.7	37.1	46.7	57.7	38.3	41.2	57.0	30.1	49.2	69.6	35.4
2012	44.9	56.1	36.4	45.6	56.0	37.6	40.3	56.0	29.4	48.3	68.6	34.7

Source: Centers for Disease Control and Prevention. National Center for Health Statistics. WONDER Online Database, compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.

Notes:

- (1) Rates for 1979-1998 are per 100,000 persons and age-adjusted to the 1940 U.S. standard population.
- (2) Rates for 1999-2011 are per 100,000 persons and age-adjusted to the 2000 U.S. standard population.
- (3) All races other than white.
- (4) International Classification of Diseases, 9th Revision (ICD-9) Code 162.
- (5) International Classification of Diseases, 10th Revision (ICD-10) Code C33-C34.

Figure 1: Age-Adjusted Mortality Rates¹ by Sex and Site, 2007-2011



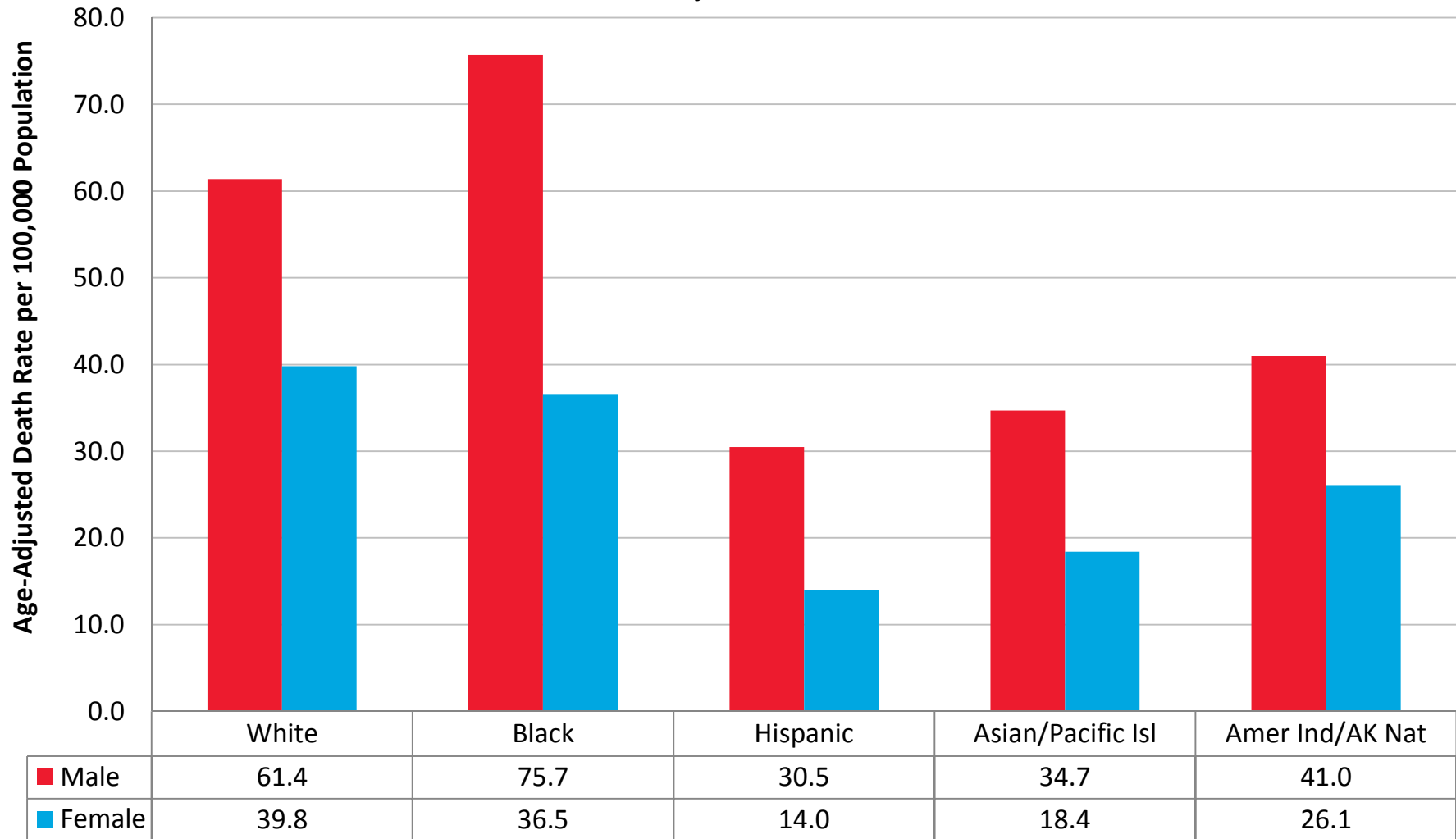
Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011

Notes:

(1) Rates are per 100,000 persons, age-adjusted to the 2000 U.S. standard population and coded by ICD-10.

--- Number of deaths is too small to calculate a rate.

Figure 2: Lung Cancer Age-Adjusted Mortality Rates¹ by Race/Ethnicity² and Sex, 2007-2011



Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011

Notes:

(1) Rates are per 100,000 persons, age-adjusted to the 2000 U.S. standard population and coded by ICD-10.

(2) Hispanics are not mutually exclusive from whites, blacks, Asian/Pacific Islanders and American Indians/Alaska Natives.

Table 3: Number of Deaths¹ by Race/Ethnicity, Sex and 10-Year Age Groups, 2005-2012

Year/Age	Total			Hispanic			Non-Hispanic White			Non-Hispanic Black		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2012												
All Ages	157,499	86,740	70,759	5,231	3,139	2,092	131,045	71,288	59,757	16,640	9,683	6,957
<1	0	0	0	0	0	0	0	0	0	0	0	0
1-14	6	3	3	2	1	1	4	2	2	0	0	0
15-24	25	18	7	5	4	1	15	9	6	5	5	0
25-34	174	101	73	29	16	13	103	55	48	30	23	7
35-44	1,174	585	589	83	41	42	823	402	421	185	98	87
45-54	11,110	6,038	5,072	428	253	175	8,413	4,490	3,923	1,867	1,082	785
55-64	31,460	18,283	13,177	1,009	622	387	25,057	14,344	10,713	4,470	2,764	1,706
65-74	49,422	28,012	21,410	1,510	978	532	41,522	23,229	18,293	5,078	3,032	2,046
75-84	45,070	24,402	20,668	1,541	924	617	38,488	20,669	17,819	3,768	2,085	1,683
85+	19,055	9,297	9,758	624	300	324	16,618	8,088	8,530	1,237	594	643
2011												
All Ages	157,017	86,774	70,243	5,093	3,160	1,933	131,219	71,631	59,588	16,452	9,566	6,886
<1	3	1	2	1	1	0	0	0	0	2	0	2
1-14	3	2	1	1	1	0	2	1	1	0	0	0
15-24	30	17	13	7	3	4	18	10	8	4	4	0
25-34	122	62	60	20	13	7	63	29	34	27	13	14
35-44	1,259	632	627	88	53	35	910	447	463	173	85	88
45-54	11,494	6,195	5,299	400	238	162	8,850	4,683	4,167	1,904	1,088	816
55-64	31,773	18,824	12,949	986	653	333	25,410	14,866	10,544	4,507	2,807	1,700
65-74	48,178	27,535	20,643	1,470	945	525	40,495	22,793	17,702	4,970	3,053	1,917
75-84	45,579	24,653	20,926	1,481	899	582	39,265	21,101	18,164	3,639	1,978	1,661
85+	18,572	8,851	9,721	638	353	285	16,205	7,701	8,504	1,224	537	687
2010												
All Ages	158,318	87,740	70,578	4,953	3,046	1,907	132,658	72,584	60,074	16,536	9,711	6,825
<1	0	0	0	0	0	0	0	0	0	0	0	0
1-14	7	3	4	1	1	0	4	2	2	1	0	1
15-24	31	15	16	4	3	1	15	7	8	10	4	6
25-34	162	90	72	35	16	19	98	55	43	24	17	7
35-44	1,351	663	688	88	43	45	1,037	505	532	161	86	75
45-54	12,093	6,645	5,448	440	245	195	9,229	4,968	4,261	2,053	1,215	838
55-64	31,147	18,457	12,690	940	616	324	24,882	14,482	10,400	4,434	2,824	1,610
65-74	48,606	27,759	20,847	1,400	927	473	41,074	23,117	17,957	4,928	2,999	1,929
75-84	46,658	25,296	21,362	1,501	903	598	40,300	21,738	18,562	3,657	1,993	1,664
85+	18,262	8,811	9,451	544	292	252	16,018	7,709	8,309	1,268	573	695
2009												
All Ages	158,157	87,740	70,417	4,780	2,962	1,818	133,268	72,911	60,357	16,188	9,592	6,596
<1	4	3	1	0	0	0	2	1	1	2	2	0
1-14	8	4	4	4	1	3	2	1	1	2	2	0
15-24	25	17	8	3	2	1	11	7	4	8	6	2
25-34	146	85	61	26	16	10	86	47	39	22	17	5
35-44	1,517	766	751	99	49	50	1,135	562	573	212	112	100
45-54	12,488	6,852	5,636	428	273	155	9,661	5,202	4,459	2,062	1,191	871
55-64	30,964	18,419	12,545	889	561	328	24,906	14,614	10,292	4,341	2,744	1,597
65-74	48,536	27,545	20,991	1,423	907	516	41,183	23,013	18,170	4,841	2,979	1,862
75-84	46,860	25,559	21,301	1,406	893	513	40,722	22,038	18,684	3,600	1,980	1,620
85+	17,605	8,488	9,117	502	260	242	15,557	7,425	8,132	1,096	557	539

Continued on next page

Table 3 continued: Number of Deaths¹ by Race/Ethnicity, Sex and 10-Year Age Groups, 2005-2012

Year/Age	Total			Hispanic			Non-Hispanic White			Non-Hispanic Black		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2008												
All Ages	158,656	88,586	70,070	4,804	3,007	1,797	133,866	73,732	60,134	16,101	9,542	6,559
<1	4	4	0	0	0	0	1	1	0	2	2	0
1-14	8	4	4	5	2	3	2	2	0	1	0	1
15-24	29	22	7	4	3	1	20	14	6	4	4	0
25-34	145	85	60	14	12	2	103	57	46	20	9	11
35-44	1,604	834	770	87	49	38	1,170	603	567	265	140	125
45-54	12,532	7,051	5,481	422	245	177	9,658	5,332	4,326	2,093	1,260	833
55-64	30,796	18,296	12,500	909	595	314	25,024	14,613	10,411	4,104	2,627	1,477
65-74	48,293	27,672	20,621	1,438	919	519	40,955	22,193	17,762	4,740	2,852	1,888
75-84	47,948	26,121	21,827	1,433	905	528	41,718	22,521	19,197	3,696	2,059	1,637
85+	17,297	8,497	8,800	492	277	215	15,215	7,396	7,819	1,176	589	587
2007												
All Ages	158,760	88,372	70,388	4,622	2,822	1,800	134,134	73,717	60,417	16,360	9,744	6,616
<1	1	1	0	0	0	0	0	0	0	1	1	0
1-14	5	5	0	1	1	0	2	2	0	2	2	0
15-24	25	17	8	4	4	0	16	9	7	4	3	1
25-34	135	79	56	20	9	11	91	52	39	18	14	4
35-44	1,852	911	941	93	44	49	1,391	681	710	288	145	143
45-54	12,480	6,939	5,541	404	248	156	9,502	5,179	4,323	2,231	1,311	920
55-64	31,216	18,326	12,890	855	545	310	25,518	14,727	10,791	4,112	2,654	1,458
65-74	48,157	27,568	20,589	1,430	905	525	40,732	23,038	17,694	4,933	3,006	1,927
75-84	48,358	26,475	21,883	1,340	814	526	42,343	23,038	19,305	3,643	2,017	1,626
85+	16,528	8,049	8,479	475	252	223	4,538	6,990	7,548	1,126	590	536
2006												
All Ages	158,664	89,279	69,385	4,355	2,746	1,609	134,408	74,685	59,723	16,360	9,738	6,622
<1	1	1	0	0	0	0	0	0	0	1	1	0
1-14	3	2	1	0	0	0	1	1	0	1	1	0
15-24	27	10	17	5	1	4	13	5	8	8	4	4
25-34	155	85	70	13	5	8	99	56	43	32	19	13
35-44	2,023	1,034	989	100	53	47	1,492	762	730	344	175	169
45-54	12,608	7,196	5,412	381	240	141	9,563	5,387	4,176	2,316	1,352	964
55-64	31,317	18,514	12,803	796	545	251	25,677	14,875	10,802	4,098	2,637	1,461
65-74	47,882	27,695	20,187	1,359	864	495	40,622	23,210	17,412	4,865	2,994	1,871
75-84	48,732	27,015	21,717	1,290	804	486	42,805	23,579	19,226	3,684	2,066	1,618
85+	15,915	7,727	8,188	411	234	177	14,135	6,810	7,325	1,011	489	522
2005												
All Ages	159,292	90,187	69,105	4,490	2,878	1,612	134,924	75,500	59,424	16,437	9,794	6,643
<1	0	0	0	0	0	0	0	0	0	0	0	0
1-14	4	3	1	1	1	0	3	2	1	0	0	0
15-24	16	9	7	2	0	2	12	8	4	1	1	0
25-34	133	77	56	15	9	6	82	49	33	19	11	8
35-44	2,323	1,197	1,126	111	64	47	1,743	882	861	384	202	182
45-54	12,624	7,327	5,297	407	257	150	9,647	5,565	4,082	2,228	1,316	912
55-64	31,363	18,663	12,700	848	594	254	25,619	14,922	10,697	4,176	2,694	1,482
65-74	48,390	28,207	20,183	1,355	894	461	41,162	23,737	17,425	4,869	2,987	1,882
75-84	49,032	27,196	21,836	1,337	843	494	43,076	23,761	19,315	3,682	2,053	1,629
85+	15,404	7,506	7,898	414	216	198	13,578	6,573	7,005	1,077	529	548

Source: Centers for Disease Control and Prevention. National Center for Health Statistics. WONDER Online Database, compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.

Notes:

(1) International Classification Of Diseases, 10th Revision (ICD-10) Code C33-C34.

Table 4: Age-Adjusted and Age-Specific Mortality Rates^{1,2} by Race and Ethnic Origin and Sex, 2005-2012

Year/Age	Total			Hispanic			Non-Hispanic White			Non-Hispanic Black		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2012												
All Ages	44.9	56.1	36.4	19.2	26.8	13.6	48.0	58.5	40.0	49.6	70.5	35.6
<1	**	**	**	**	**	**	**	**	**	**	**	**
1-14	**	**	**	**	**	**	**	**	**	**	**	**
15-24	0.1	**	**	**	**	**	**	**	**	**	**	**
25-34	0.4	0.5	0.3	0.3	**	**	0.4	0.4	0.4	0.5	0.8	**
35-44	2.9	2.9	2.9	1.1	1.0	1.1	3.4	3.3	3.4	3.6	4.0	3.2
45-54	25.1	27.7	22.6	7.3	8.5	6.0	27.8	29.9	25.8	34.0	41.9	26.9
55-64	81.5	98.3	65.9	27.8	35.6	20.5	87.7	102.8	73.3	104.5	142.1	73.1
65-74	206.1	250.0	167.5	80.8	116.4	51.7	221.4	261.3	185.5	230.2	320.9	162.3
75-84	339.6	432.0	271.1	162.8	237.3	110.8	360.7	448.1	294.2	344.4	508.5	246.0
85+	323.7	473.4	248.7	189.7	258.0	152.4	336.2	488.3	259.6	295.4	496.2	215.0
2011												
All Ages	46.0	57.7	37.1	19.8	28.7	13.3	49.2	60.3	40.7	50.5	71.6	36.3
<1	**	**	**	**	**	**	**	**	**	**	**	**
1-14	**	**	**	**	**	**	**	**	**	**	**	**
15-24	0.1	**	**	**	**	**	**	**	**	**	**	**
25-34	0.3	0.3	0.3	0.2	**	**	0.3	0.2	0.3	0.5	**	**
35-44	3.1	3.1	3.1	1.2	1.4	1.0	3.7	3.6	3.7	3.3	3.5	3.2
45-54	25.7	28.1	23.3	7.0	8.3	5.7	28.7	30.6	26.8	34.5	41.9	27.9
55-64	83.5	102.5	65.7	28.5	39.4	18.5	89.3	106.9	72.4	109.3	149.7	75.6
65-74	214.3	262.8	171.9	83.7	120.2	54.2	230.6	274.4	191.3	237.9	342.0	160.2
75-84	345.9	442.4	275.3	162.8	240.6	108.6	368.4	461.0	298.7	338.2	493.2	246.1
85+	323.7	467.3	252.9	210.1	330.3	144.8	333.6	478.2	261.9	309.5	484.3	241.4
2010												
All Ages	47.6	60.3	38.1	20.4	29.6	13.8	50.8	62.7	41.7	52.6	75.6	37.3
<1	**	**	**	**	**	**	**	**	**	**	**	**
1-14	**	**	**	**	**	**	**	**	**	**	**	**
15-24	0.1	**	**	**	**	**	**	**	**	**	**	**
25-34	0.4	0.4	0.4	0.4	**	**	0.4	0.5	0.4	0.4	**	**
35-44	3.3	3.2	3.3	1.2	1.2	1.3	4.1	3.9	4.2	3.1	3.5	2.7
45-54	26.9	30.0	23.8	8.1	9.0	7.1	29.3	31.8	26.9	37.2	46.9	28.6
55-64	85.4	104.9	67.2	29.2	40.1	19.3	90.5	107.8	74.0	114.0	159.8	75.9
65-74	223.9	274.9	179.5	84.9	126.2	51.7	241.0	287.3	199.5	245.0	350.0	167.1
75-84	357.2	461.9	281.7	174.1	256.3	117.3	378.0	479.3	303.0	351.8	519.4	253.7
85+	332.4	492.3	255.2	201.0	307.9	143.4	342.4	504.4	263.8	331.2	534.4	252.2
2009												
All Ages	48.4	61.4	38.6	20.4	29.8	13.6	51.6	63.9	42.3	52.6	76.7	36.7
<1	**	**	**	**	**	**	**	**	**	**	**	**
1-14	**	**	**	**	**	**	**	**	**	**	**	**
15-24	0.1	**	**	**	**	**	**	**	**	**	**	**
25-34	0.4	0.4	0.3	0.3	**	**	0.4	0.4	0.3	0.4	**	**
35-44	3.7	3.7	3.6	1.4	1.3	1.4	4.4	4.3	4.4	4.0	4.5	3.5
45-54	27.8	31.0	24.7	8.1	10.3	5.9	30.6	33.2	28.0	37.8	46.5	30.1
55-64	87.5	107.9	68.4	29.1	38.5	20.5	92.9	111.6	75.1	116.4	162.1	78.4
65-74	228.6	279.4	184.5	89.7	128.6	58.5	246.4	292.3	205.6	246.3	356.2	164.9
75-84	359.8	470.5	280.6	168.9	263.3	104.0	381.2	487.7	303.1	351.0	525.5	249.6
85+	328.0	489.1	251.0	195.8	290.7	144.9	339.2	499.5	262.3	295.8	540.1	201.6

Continued on next page

Table 4 continued: Age-Adjusted and Age-Specific Mortality Rates^{1,2} by Race and Ethnic Origin and Sex, 2005-2012

Year/Age	Total			Hispanic			Non-Hispanic White			Non-Hispanic Black		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
2008												
All Ages	49.5	63.6	39.0	20.5	29.7	13.7	52.8	66.3	42.6	54.6	80.3	37.7
<1	**	**	**	**	**	**	**	**	**	**	**	**
1-14	**	**	**	**	**	**	**	**	**	**	**	**
15-24	0.1	0.1	**	**	**	**	0.1	**	**	**	**	**
25-34	0.4	0.4	0.3	**	**	**	0.4	0.5	0.4	0.4	**	**
35-44	3.8	3.9	3.6	1.2	1.3	1.2	4.3	4.4	4.2	5.0	5.6	4.4
45-54	28.2	32.3	24.3	8.5	9.6	7.3	30.4	33.8	27.0	40.2	52.4	29.7
55-64	91.4	112.6	71.7	31.8	43.2	21.3	97.1	116.1	79.0	120.6	173.2	78.2
65-74	240.0	298.7	189.9	95.5	135.2	62.9	257.9	313.1	209.7	257.9	372.4	176.1
75-84	368.1	489.5	283.9	170.1	259.8	106.9	390.7	509.7	306.8	363.2	556.6	252.7
85+	302.3	456.0	228.1	157.1	247.1	106.9	315.4	472.4	239.9	289.4	489.4	205.2
2007												
All Ages	50.6	65.1	40.0	20.9	29.6	14.4	53.9	67.7	43.5	56.8	84.0	39.0
<1	**	**	**	**	**	**	**	**	**	0.2	0.3	**
1-14	**	**	**	**	**	**	**	**	**	**	**	**
15-24	0.1	0.1	**	0.1	0.1	**	0.1	0.1	0.1	0.1	0.1	**
25-34	0.3	0.4	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.5	0.1
35-44	4.3	4.2	4.4	1.4	1.2	1.5	5.0	4.8	5.1	5.3	5.7	5.0
45-54	28.4	32.1	24.9	8.5	10.3	6.7	30.0	33.0	27.1	43.6	55.5	33.4
55-64	95.4	116.2	76.1	31.8	42.1	22.2	101.4	119.8	83.8	126.0	182.5	80.6
65-74	248.8	310.2	196.7	100.0	140.7	66.7	266.7	324.2	216.7	276.0	403.9	184.8
75-84	371.3	498.3	283.8	167.1	246.1	111.7	393.8	520.4	305.2	363.2	554.8	254.3
85+	299.8	453.0	227.0	169.8	256.1	123.0	310.7	467.7	237.7	287.9	514.8	193.9
2006												
All Ages	51.5	67.0	40.0	20.7	30.3	13.6	54.7	69.7	43.5	57.9	85.4	39.8
<1	**	**	**	**	**	**	**	**	**	**	**	**
1-14	**	**	**	**	**	**	**	**	**	**	**	**
15-24	0.1	**	**	**	**	**	**	**	**	**	**	**
25-34	0.4	0.4	0.4	**	**	**	0.4	0.5	0.4	0.6	**	**
35-44	4.6	4.7	4.5	1.5	1.5	1.5	5.2	5.3	5.1	6.3	6.8	5.9
45-54	29.1	33.8	24.6	8.4	10.5	6.3	30.4	34.5	26.3	46.2	58.5	35.7
55-64	99.1	121.6	78.2	31.3	44.8	19.0	105.1	124.8	86.4	131.3	189.5	84.5
65-74	253.1	319.4	197.0	98.8	140.1	65.2	271.5	334.0	217.3	277.8	410.3	183.1
75-84	373.5	509.9	280.3	167.9	254.2	107.6	395.0	531.2	300.5	370.8	574.5	255.3
85+	300.5	457.7	226.9	160.8	263.9	106.0	313.0	474.2	237.8	268.4	448.1	195.1
2005												
All Ages	52.6	69.0	40.5	22.4	33.3	14.3	55.5	71.4	43.7	59.6	88.1	40.9
<1	**	**	**	**	**	**	**	**	**	**	**	**
1-14	**	**	**	**	**	**	**	**	**	**	**	**
15-24	**	**	**	**	**	**	**	**	**	**	**	**
25-34	0.3	0.4	0.3	**	**	**	0.3	0.4	0.3	**	**	**
35-44	5.3	5.5	5.1	1.7	1.9	1.6	5.9	6.0	5.9	7.0	7.9	6.3
45-54	29.7	35.1	24.5	9.5	11.9	7.1	31.0	36.0	26.0	45.5	58.2	34.6
55-64	103.3	127.6	80.7	35.7	52.3	20.4	108.6	129.7	88.5	140.7	203.5	90.1
65-74	259.6	330.7	199.6	102.6	151.4	63.1	277.8	345.6	219.3	283.5	417.3	187.9
75-84	375.6	515.1	280.9	183.3	281.6	114.9	394.7	534.1	298.7	373.4	575.5	258.8
85+	302.3	468.0	226.2	177.1	269.0	129.0	311.3	480.2	234.1	294.1	503.4	209.9

Source: Centers for Disease Control and Prevention. National Center for Health Statistics. WONDER Online Database, compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.

Notes:

(1) Rates are per 100,000 population

(2) International Classification Of Diseases, 10th Revision (ICD-10) Code C33-C34

** Number of deaths is too small to calculate a rate

Table 5: Age-Adjusted Mortality Rates¹ by State and Sex, 2003-2012

(Continued on next page)

State	2003			2004			2005			2006			2007		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Alabama	64.9	96.9	42.3	62.7	91.6	42.4	63.8	92.8	42.9	60.2	88.5	39.9	61.6	90.3	40.9
Alaska	55.7	77.4	37.5	57.4	65.9	50.2	51.0	58.4	44.7	46.2	49.4	43.7	55.2	68.4	43.4
Arizona	48.3	61.6	37.9	46.2	57.8	37.1	43.3	53.6	34.8	43.0	53.1	34.7	39.4	48.5	31.8
Arkansas	67.4	96.2	46.1	68.9	95.8	49.3	70.4	98.1	49.6	65.4	92.6	45.0	63.7	84.5	47.6
California	43.8	54.2	36.3	42.3	52.2	34.9	41.5	50.9	34.6	40.3	49.8	33.2	39.4	48.3	32.8
Colorado	41.4	53.6	32.7	39.1	47.7	33.3	38.5	46.2	33.2	37.9	45.4	32.8	45.9	44.8	32.1
Connecticut	49.1	61.0	40.9	49.8	64.7	39.1	47.2	58.8	39.0	47.1	56.8	40.6	57.0	54.2	40.3
Delaware	62.4	81.3	48.5	65.9	85.5	51.3	62.4	79.7	49.6	59.7	70.1	52.0	63.8	66.0	50.4
D.C.	51.3	73.3	36.9	50.7	72.0	35.8	49.4	69.6	36.6	47.1	70.6	30.6	45.9	60.2	37.6
Florida	54.6	70.2	42.3	54.1	68.7	42.5	52.7	68.5	40.0	51.3	65.8	39.4	64.4	60.6	39.3
Georgia	59.1	83.7	42.3	58.4	85.6	39.1	56.3	80.4	39.3	55.8	79.6	38.9	47.0	76.2	39.6
Hawaii	37.1	50.1	27.2	37.5	51.0	27.1	40.0	52.5	29.7	38.7	51.9	27.9	36.1	49.8	25.4
Idaho	46.2	55.0	40.0	40.8	50.8	32.8	45.3	58.2	35.4	42.0	51.0	34.7	41.4	51.2	33.8
Illinois	55.7	73.9	42.7	54.6	72.8	41.7	52.6	68.8	41.2	52.5	69.1	41.1	53.8	68.2	43.7
Indiana	65.6	87.4	50.0	60.8	82.2	45.3	63.0	83.6	48.2	61.8	82.4	47.4	61.0	80.8	46.7
Iowa	52.4	71.0	38.6	53.7	72.8	39.8	54.0	73.5	40.1	49.4	67.1	36.3	52.4	67.6	41.1
Kansas	53.7	72.7	39.8	54.1	72.4	40.3	57.0	72.7	46.1	54.8	71.1	42.8	51.3	70.0	37.6
Kentucky	78.5	110.7	55.3	77.0	105.6	56.8	77.2	106.7	56.0	74.4	101.0	55.6	74.4	100.4	55.6
Louisiana	66.2	94.2	46.6	66.7	95.0	46.2	64.3	90.2	45.6	61.5	84.8	44.3	58.9	80.4	43.3
Maine	62.2	79.2	50.0	61.0	77.8	48.9	60.0	77.3	47.4	61.2	77.4	49.5	56.4	70.2	46.7
Maryland	57.1	74.4	44.7	52.9	67.6	42.3	54.9	71.0	43.4	52.7	66.6	42.7	50.1	62.9	41.1
Massachusetts	54.7	67.0	45.8	52.1	65.0	43.5	52.1	64.4	43.8	52.7	66.3	43.4	50.7	62.4	42.8
Michigan	56.3	73.0	44.1	56.6	74.2	44.0	55.7	72.6	43.2	55.2	70.6	44.0	55.4	70.1	45.0
Minnesota	46.0	59.1	36.8	46.8	59.0	37.9	44.5	57.0	35.6	45.0	56.3	37.1	45.6	57.7	36.7
Mississippi	66.8	101.7	42.1	68.1	99.6	45.3	64.2	94.3	42.8	67.6	100.0	44.2	64.3	97.8	40.4
Missouri	61.9	84.0	45.9	65.2	89.7	47.6	62.2	85.2	45.3	62.0	81.6	47.7	60.1	78.8	46.3
Montana	52.6	65.6	42.6	48.9	56.0	43.3	52.7	64.0	44.2	48.2	58.0	40.3	51.3	58.9	45.8
Nebraska	47.8	64.5	35.5	47.4	66.1	33.4	48.5	63.7	37.3	47.7	65.9	34.5	48.8	65.5	36.2
Nevada	63.6	75.0	54.0	57.2	61.2	53.3	57.6	66.4	50.4	56.0	64.8	48.4	53.7	59.7	48.4
New Hampshire	52.1	66.7	41.2	55.1	67.9	45.4	53.7	67.8	43.4	51.4	61.9	44.2	52.9	59.9	47.8
New Jersey	50.9	65.5	40.9	48.5	60.7	40.1	48.0	61.1	39.0	47.1	58.7	39.0	47.0	58.9	38.9
New Mexico	39.6	51.6	30.5	35.8	44.5	28.9	36.5	45.5	29.5	35.0	43.2	28.4	37.8	46.1	31.1
New York	46.9	60.6	37.4	45.9	58.4	37.2	45.3	57.6	36.7	44.1	56.3	35.6	44.2	54.9	36.8
North Carolina	58.1	81.9	41.2	59.1	83.9	41.2	59.6	82.6	43.1	59.6	82.7	43.1	56.4	79.7	41.9
North Dakota	43.7	54.0	36.4	48.6	66.5	35.7	43.1	55.0	34.1	48.2	64.2	36.1	40.9	52.4	32.3
Ohio	60.6	82.5	44.9	60.2	79.6	46.3	59.3	79.2	44.9	59.3	80.0	44.8	58.9	77.7	45.5
Oklahoma	62.4	85.3	45.5	63.0	84.7	46.6	62.6	85.6	45.4	63.5	82.2	49.3	63.9	85.4	48.2
Oregon	55.5	67.3	46.7	54.8	65.5	46.6	54.0	66.2	44.9	53.2	62.4	46.4	49.8	58.8	42.9
Pennsylvania	53.4	72.8	39.7	53.2	70.4	40.9	54.2	73.3	40.8	52.7	70.0	40.5	52.0	68.4	40.3
Rhode Island	54.0	73.0	40.7	55.2	74.2	42.0	50.4	62.0	43.0	49.8	64.2	40.2	54.6	71.4	43.8
South Carolina	62.0	89.4	41.7	57.8	84.5	38.6	60.5	85.9	41.9	58.5	81.9	41.4	56.4	78.6	39.9
South Dakota	47.7	66.5	33.9	49.5	68.4	34.8	53.2	67.9	42.1	48.2	62.2	38.1	46.4	63.4	33.8
Tennessee	67.5	96.6	47.1	68.1	97.6	47.0	69.8	97.7	49.5	67.7	95.1	47.9	65.7	91.1	47.3
Texas	53.4	73.2	38.9	51.9	69.8	38.7	50.3	68.5	36.9	49.2	65.5	37.0	47.4	63.0	35.9
Utah	24.3	33.2	17.2	26.1	35.4	18.5	23.8	33.4	15.8	23.3	29.6	18.1	21.9	26.2	18.4
Vermont	48.3	58.2	40.7	47.4	63.9	35.0	49.0	58.3	42.7	49.8	57.0	44.6	56.2	67.4	48.3
Virginia	57.3	76.8	43.0	55.8	74.6	42.2	56.5	76.1	42.1	54.3	71.8	41.5	52.9	69.7	41.2
Washington	55.2	66.1	47.5	51.8	63.0	43.5	51.2	61.4	43.8	49.3	59.1	41.9	49.5	56.3	44.4
West Virginia	66.6	90.4	49.1	65.8	90.8	48.3	66.7	89.8	50.0	70.7	93.3	53.6	66.3	87.2	50.7
Wisconsin	47.5	63.7	36.2	50.0	66.2	38.2	48.5	61.0	39.7	47.8	58.8	39.8	48.3	61.0	38.8
Wyoming	49.0	65.1	36.7	39.8	50.1	31.7	48.0	53.9	42.5	44.7	54.3	38.5	46.0	52.0	41.7
U.S. Total	54.1	71.6	41.2	53.2	70.0	40.9	52.6	69.0	40.5	51.5	67.1	40.0	50.6	65.1	40.0

Source: Centers for Disease Control and Prevention. National Center for Health Statistics. CDC Wonder On-line Database, compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.

Notes:

(1) Rates are per 100,000 persons, age-adjusted to the 2000 U.S. population and coded by ICD-10 revision.

Table 5 continued: Age-Adjusted Mortality Rates¹ by State and Sex, 2003-2012

State	2008			2009			2010			2011			2012		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Alabama	58.8	85.9	38.8	61.6	87.3	42.9	60.0	85.3	41.1	57.0	79.9	39.9	54.1	75.5	38.4
Alaska	53.0	60.5	47.2	55.3	67.9	45.7	49.4	55.2	45.2	49.4	57.1	42.5	50.0	60.3	41.4
Arizona	38.6	47.6	31.3	39.9	48.3	33.3	39.0	47.2	32.3	36.8	44.5	30.5	37.1	44.4	31.1
Arkansas	67.8	95.5	46.3	64.7	91.1	44.2	63.0	87.4	44.7	61.3	83.3	44.4	60.8	84.4	41.9
California	38.1	46.4	31.9	37.8	46.4	31.4	36.6	43.9	31.1	34.8	41.9	29.5	33.2	39.3	28.5
Colorado	36.5	44.7	30.5	36.2	42.9	31.3	35.2	42.4	29.9	32.7	38.6	28.1	31.4	35.0	28.5
Connecticut	43.8	54.5	36.3	43.0	51.1	37.2	44.3	51.6	39.0	40.7	49.0	34.9	37.6	45.0	32.3
Delaware	58.0	69.2	49.5	51.9	63.8	42.8	58.3	73.5	46.8	52.1	64.6	42.3	52.4	61.6	46.5
D.C.	49.6	67.5	37.1	41.5	52.5	33.9	38.5	50.1	30.5	40.0	47.9	34.3	40.3	51.3	32.5
Florida	48.9	61.4	38.6	48.0	59.6	38.5	47.5	59.1	38.3	45.3	56.0	36.5	44.5	55.6	35.4
Georgia	50.9	69.9	37.5	51.7	70.1	38.7	49.4	66.9	36.8	48.5	65.0	36.5	48.7	66.0	36.0
Hawaii	35.8	49.6	25.1	34.4	46.1	25.3	34.1	45.0	25.5	32.8	41.2	26.1	29.5	39.0	22.6
Idaho	41.9	48.0	37.0	41.4	47.8	36.0	38.8	48.1	30.9	37.6	44.9	32.0	36.4	40.9	32.5
Illinois	52.1	66.9	41.7	50.3	62.8	41.4	49.9	62.1	41.2	48.6	60.9	39.6	47.9	59.3	39.7
Indiana	62.1	81.9	48.0	59.3	78.2	45.3	58.7	75.2	46.2	54.5	71.8	41.7	54.7	70.6	42.7
Iowa	50.5	66.1	39.1	48.7	60.1	40.3	47.8	62.5	36.4	46.8	61.8	35.3	46.2	57.8	37.5
Kansas	51.8	69.5	38.1	51.3	65.7	40.4	48.3	60.9	38.7	47.5	58.0	39.5	46.4	55.6	39.4
Kentucky	74.2	98.9	55.6	68.8	89.0	54.2	74.1	96.9	57.4	69.2	88.6	54.8	68.8	88.6	54.1
Louisiana	60.1	83.1	43.7	58.6	79.1	42.8	58.0	77.8	43.2	56.5	75.3	42.3	55.5	72.5	42.3
Maine	56.7	73.4	44.4	53.6	65.6	44.2	55.7	66.9	47.3	52.1	65.0	41.9	53.3	64.4	44.4
Maryland	50.1	64.1	40.2	48.6	59.1	40.9	46.1	56.4	38.3	43.8	52.4	37.4	43.5	53.7	36.1
Massachusetts	49.3	61.0	41.4	48.7	58.2	42.3	47.4	56.7	41.0	44.9	53.3	38.9	44.4	52.6	38.7
Michigan	54.4	68.5	44.2	54.0	68.1	43.6	52.3	64.9	43.0	51.0	62.2	42.5	49.6	60.6	41.1
Minnesota	45.3	53.7	39.1	42.8	50.2	37.5	41.7	50.7	35.3	39.7	48.7	32.9	38.9	45.7	34.0
Mississippi	65.3	96.9	42.8	62.4	92.0	40.9	62.0	89.6	41.3	59.4	83.9	41.2	58.0	81.1	40.8
Missouri	60.1	79.4	45.7	57.1	73.4	45.4	57.3	72.5	46.0	55.1	69.3	44.4	55.9	70.6	44.8
Montana	48.1	59.6	39.0	40.3	43.9	37.5	40.0	44.0	36.7	47.6	57.8	39.2	39.1	44.4	34.7
Nebraska	45.3	56.9	36.4	44.4	57.2	34.4	46.1	58.9	36.2	42.2	52.9	34.0	43.2	52.2	36.4
Nevada	53.5	60.0	48.1	51.9	59.2	46.2	47.4	53.6	42.0	48.6	56.4	42.3	46.1	50.5	42.7
New Hampshire	47.5	59.4	38.7	50.4	61.9	42.5	46.1	52.7	41.5	51.6	62.2	43.7	46.8	52.3	43.0
New Jersey	45.1	55.9	37.7	42.8	52.1	36.4	42.4	53.5	34.7	41.3	49.4	35.7	39.5	49.2	32.4
New Mexico	36.2	46.0	28.2	32.5	39.3	27.3	34.3	41.9	28.2	30.9	37.8	25.4	32.7	39.4	27.4
New York	43.1	53.7	35.7	42.2	52.6	34.9	42.3	51.4	35.9	41.1	50.1	34.7	41.1	51.1	34.0
North Carolina	56.3	77.0	41.4	53.8	73.7	39.5	54.0	73.5	39.7	52.4	70.7	38.9	49.8	66.7	37.2
North Dakota	45.2	56.6	37.5	39.4	51.4	30.4	37.5	49.9	27.7	41.2	55.3	31.0	42.3	54.5	33.5
Ohio	57.2	75.1	44.3	56.8	73.7	44.1	54.9	71.2	42.9	54.6	69.1	43.6	54.3	67.4	44.7
Oklahoma	60.0	80.5	44.6	60.0	77.1	46.9	58.1	76.1	44.4	59.6	75.9	47.3	55.4	70.5	44.1
Oregon	49.8	59.9	41.6	48.2	56.2	42.4	47.2	54.9	41.4	45.9	52.1	41.2	45.3	52.6	39.7
Pennsylvania	51.6	67.3	40.6	49.4	63.4	39.3	49.1	63.6	38.5	47.6	59.8	38.8	46.9	60.1	37.3
Rhode Island	56.7	69.5	48.1	49.1	61.9	40.7	49.0	59.9	41.8	47.7	58.9	40.0	48.3	63.0	37.8
South Carolina	55.8	78.7	38.8	54.8	75.1	39.6	52.8	70.6	39.8	52.0	71.5	37.4	51.7	68.1	39.3
South Dakota	47.3	65.6	33.1	41.1	53.2	31.5	45.3	61.8	33.3	47.2	53.3	43.0	43.7	56.2	34.3
Tennessee	63.3	87.9	45.5	63.4	85.7	47.0	62.7	86.8	45.3	59.4	80.4	43.4	58.4	76.9	44.4
Texas	46.0	60.0	35.4	44.6	58.2	34.2	43.5	56.3	33.8	42.5	55.1	32.7	40.8	52.1	32.3
Utah	17.9	23.0	13.8	20.9	28.6	14.6	21.7	27.2	17.2	20.1	25.1	15.9	20.3	26.5	15.3
Vermont	52.4	62.5	44.6	50.4	60.9	42.3	53.9	64.3	45.6	49.3	52.9	46.5	42.4	46.9	39.9
Virginia	50.7	67.8	38.4	49.7	62.9	39.8	48.7	62.9	38.2	47.4	60.3	37.6	46.0	58.2	36.7
Washington	47.9	56.6	41.6	47.3	55.0	41.7	47.0	56.3	39.6	43.8	52.6	36.9	42.3	48.2	38.1
West Virginia	64.0	81.6	50.8	65.5	82.8	52.5	65.1	84.2	50.2	62.0	80.9	47.6	59.8	76.3	47.2
Wisconsin	47.0	57.9	39.1	45.4	58.3	35.8	46.3	56.8	38.5	47.4	56.1	40.8	43.5	53.2	36.5
Wyoming	41.3	48.0	35.6	42.1	51.9	33.7	40.0	46.1	34.6	38.4	49.1	29.4	37.3	39.0	35.5
U.S. Total	49.5	63.6	39.0	48.4	61.4	38.6	47.6	60.3	38.1	46.0	57.8	37.1	44.9	56.1	36.4

Source: Centers for Disease Control and Prevention. National Center for Health Statistics. CDC Wonder On-line Database, compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.

Notes:

(1) Rates are per 100,000 persons, age-adjusted to the 2000 U.S. population and coded by ICD-10 revision.

Table 6: Age-Adjusted Mortality Rates¹ by State and Race, 2003-2012

(Continued on next page)

State	2003			2004			2005			2006			2007		
	White	Black	Other ²	White	Black	Other ²	White	Black	Other ²	White	Black	Other ²	White	Black	Other ²
Alabama	67.3	56.5	**	64.7	57.5	**	65.0	61.3	**	61.5	54.7	27.6*	62.9	57.3	**
Alaska	56.7	**	55.1	55.6	**	63.5	47.8	**	64.2	45.7	**	50.6	50.4	**	75.3
Arizona	49.5	55.4	15.4	47.3	54.2	18.1	45.2	43.3	9.1	45.2	47.0	9.6	41.7	46.7	15.1
Arkansas	67.3	67.8	**	69.8	64.7	**	70.3	74.4	**	65.2	66.9	**	63.9	61.2	**
California	45.4	57.6	29.8	44.1	53.9	27.8	43.1	55.9	27.1	42.0	55.9	26.6	41.2	52.7	26.6
Colorado	41.2	57.0	29.8	39.6	45.7	17.7*	38.7	40.3	33.9	37.9	47.7	29.0	37.8	43.1	18.5
Connecticut	49.8	43.4	**	50.5	48.3	13.6*	47.6	36.9	20.0*	47.1	42.9	11.4*	45.7	39.1	21.5*
Delaware	61.6	72.4	**	66.6	62.4	**	61.3	73.0	**	58.8	63.5	**	58.0	49.3	**
D.C.	36.2	60.3	**	36.1	59.6	**	28.5	64.7	**	33.1	57.4	**	39.8	55.4	**
Florida	55.5	46.5	18.9	54.8	47.7	22.5	53.9	43.5	24.4	52.5	44.7	21.7	50.4	42.3	20.4
Georgia	60.9	56.1	24.3	60.7	53.9	21.1	59.4	52.7	17.2	59.4	48.1	17.6	57.2	51.0	25.2
Hawaii	44.5	**	34.8	38.1	**	37.9	52.4	**	35.8	40.7	**	38.3	42.8	**	34.1
Idaho	46.3	**	**	41.3	**	**	45.5	**	43.2*	41.9	**	40.0*	41.9	**	**
Illinois	55.1	68.9	19.6	54.1	67.3	22.1	51.9	67.0	19.3	51.8	65.4	25.7	53.0	68.8	21.7
Indiana	64.8	79.1	25.2*	60.6	68.0	**	63.0	67.9	**	61.1	73.0	**	60.3	71.9	**
Iowa	52.2	71.4	**	53.5	86.9	**	53.6	76.3	65.1*	48.9	74.2	**	51.7	77.8	**
Kansas	54.0	51.6	41.4*	53.4	70.0	57.2	56.4	74.7	47.4	53.6	75.1	52.6	50.8	46.4	64.3
Kentucky	78.4	86.3	**	77.2	82.6	**	77.6	73.9	**	73.7	90.9	**	74.7	75.1	**
Louisiana	64.8	69.9	29.3*	64.7	72.8	18.5*	62.2	68.5	32.7*	61.2	62.6	16.7*	58.3	64.1	25.0*
Maine	62.5	**	**	61.7	**	**	60.1	**	**	60.6	**	**	55.8	**	**
Maryland	56.7	64.5	26.1	53.4	57.5	16.4	56.0	55.5	28.4	53.9	53.0	22.0	51.6	51.0	18.9
Massachusetts	55.4	51.1	35.8	53.2	45.3	23.2	53.3	49.9	24.1	54.0	43.9	29.6	52.0	40.0	23.0
Michigan	55.1	68.2	42.9	55.5	67.3	35.1	55.2	60.2	38.9	53.8	67.8	30.9	54.6	61.1	30.9
Minnesota	45.8	56.5	43.5	46.7	49.7	43.0	44.1	67.5	36.2	44.7	49.1	37.8	45.1	51.0	39.7
Mississippi	67.4	65.9	**	67.6	70.3	**	64.3	63.8	57.9*	66.0	70.8	**	65.7	60.0	**
Missouri	61.5	72.4	21.1*	64.3	81.1	32.8*	61.7	70.0	20.6*	61.3	69.4	24.3*	59.4	64.6	29.5
Montana	52.3	**	79.0	48.5	**	50.8*	52.3	**	50.6*	46.8	**	74.1	49.8	**	82.2
Nebraska	46.1	123.3	**	46.8	71.1	**	48.1	65.9	**	47.1	59.3	**	48.3	58.7	**
Nevada	65.7	49.9	24.2	59.0	42.2	28.8	60.0	55.0	28.6	58.5	52.9	27.3	57.0	40.2	22.1
New Hampshire	53.1	**	**	56.5	**	**	54.7	**	**	52.2	**	**	53.3	**	**
New Jersey	51.7	58.0	21.2	49.5	56.0	21.2	49.4	51.6	14.3	48.4	49.5	18.1	49.1	43.5	15.9
New Mexico	41.5	55.1*	9.8*	37.3	37.1*	14.9	38.3	**	10.8*	36.0	38.9*	14.8	39.4	46.2*	14.9
New York	49.4	41.2	23.9	48.5	39.9	26.0	47.8	40.1	23.3	47.3	37.0	22.6	47.6	37.7	24.6
North Carolina	58.5	54.8	25.6	58.9	56.5	48.0	60.3	55.9	44.3	59.5	57.8	28.2	57.1	55.4	39.3
North Dakota	42.9	**	70.9*	46.7	**	114.1	40.4	**	108.1	46.2	**	93.3*	38.6	**	94.9*
Ohio	59.9	72.2	22.6	59.2	74.1	12.4*	58.4	71.6	16.3	58.7	66.4	20.0	57.6	69.0	19.3
Oklahoma	63.2	78.3	41.3	63.9	66.0	51.6	62.5	66.5	59.5	64.2	63.9	46.8	64.6	63.9	50.3
Oregon	55.8	77.2	33.3	54.8	70.4	32.1	55.0	51.5	24.0	53.6	54.9	34.1	50.3	53.1	29.5
Pennsylvania	52.8	66.8	20.1	52.1	72.4	24.3	53.4	67.9	23.3	51.6	66.9	16.5	50.6	66.6	20.2
Rhode Island	54.9	48.3*	**	56.4	48.9*	**	50.6	61.3	**	50.1	52.0*	**	54.3	50.2	51.6*
South Carolina	62.1	62.2	**	60.0	50.9	**	62.9	54.1	49.1*	59.4	55.1	32.2*	57.1	54.7	**
South Dakota	47.9	**	61.5*	47.7	**	80.6	53.2	**	73.1	47.6	**	84.5	46.2	**	70.8
Tennessee	67.2	71.0	**	67.6	72.9	35.0*	69.0	78.4	23.4*	67.3	73.6	27.1*	66.1	66.4	25.5*
Texas	52.7	69.7	22.7	51.1	69.0	22.2	49.9	67.1	21.5	49.1	58.5	20.5	47.0	59.3	25.6
Utah	24.4	**	23.4*	26.3	**	28.4*	24.2	**	29.7*	23.5	**	30.2*	22.3	**	29.6*
Vermont	49.1	**	**	48.6	**	**	49.8	**	**	50.1	**	**	56.7	**	**
Virginia	57.3	64.7	22.3	55.6	65.0	24.6	57.0	62.4	23.7	55.2	56.7	21.0	52.3	63.4	29.9
Washington	56.7	61.1	35.6	53.4	45.1	32.3	53.0	52.9	33.8	50.4	57.4	32.3	50.8	57.3	31.6
West Virginia	67.0	55.1	**	66.4	52.8	**	66.5	54.0	**	69.6	60.5	**	65.4	53.8	**
Wisconsin	46.5	87.3	30.0*	48.5	84.2	52.6	47.3	74.4	36.6	46.9	68.9	33.8	47.2	67.0	47.3
Wyoming	49.1	**	**	40.2	**	**	47.7	**	**	43.9	**	**	45.2	**	**
U.S. Total³	54.5	60.6	28.3	53.6	59.5	28.4	53.2	58.1	27.7	52.1	56.3	26.9	51.2	55.0	27.2

Source: Centers for Disease Control and Prevention. National Center for Health Statistics. CDC Wonder On-line Database, compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.

Notes:

(1) Rates are per 100,000 persons, age-adjusted to the 2000 U.S. population and coded by ICD-10 revision.

(2) Includes races other than white and black.

(3) Due to rounding, U.S. total rates presented in this table may differ from those in Table 2.

* These rates should be interpreted with caution as they represent 20 or fewer deaths.

** Rates have been suppressed due to confidentiality constraints.

Table 6 continued: Age-Adjusted Mortality Rates¹ by State and Race, 2003-2012

State	2008			2009			2010			2011			2012		
	White	Black	Other ²	White	Black	Other ²	White	Black	Other ²	White	Black	Other ²	White	Black	Other ²
Alabama	61.4	49.3	23.0*	63.7	54.4	18.7*	61.5	54.1	34.0*	58.1	54.1	35.9	55.8	48.5	15.7*
Alaska	51.2	**	61.3	56.4	**	53.5	47.8	**	53.8	46.5	**	61.2	45.8	**	66.5
Arizona	41.2	39.3	18.6	41.1	42.9	15.0	40.3	34.5	13.9	38.2	33.4	14.6	38.2	37.6	14.9
Arkansas	67.6	70.7	**	65.0	66.6	**	63.5	62.6	**	61.7	58.6	39.7*	61.8	59.3	**
California	40.0	47.3	26.6	39.2	49.7	26.1	37.8	48.4	25.3	35.8	46.3	25.5	34.3	42.1	23.8
Colorado	37.0	29.7	23.2	36.4	44.0	24.6	35.1	53.1	21.6	32.5	43.7	27.1	31.3	39.1	27.1
Connecticut	43.1	39.9	21.5*	43.2	43.4	24.6	45.1	43.2	20.2*	41.5	36.8	13.6*	38.5	30.7	22.5
Delaware	59.5	48.0	**	51.5	57.6	**	60.9	48.0	**	54.0	45.9	**	52.6	51.5	47.6*
D.C.	34.9	62.5	**	25.1	52.1	**	23.2	48.9	**	24.1	51.1	**	20.9	51.9	**
Florida	50.4	42.7	21.5	49.5	38.1	21.2	48.9	38.2	24.8	46.7	36.6	19.8	46.2	35.1	16.2
Georgia	53.4	48.5	13.4	53.9	48.0	10.1	51.8	44.4	21.2	51.7	40.9	19.9	51.2	42.8	20.4
Hawaii	40.2	**	35.3	36.8	**	33.6	37.8	**	33.0	36.3	**	31.1	29.3	**	29.4
Idaho	42.1	**	**	41.9	**	**	38.9	**	**	38.1	**	**	36.8	**	**
Illinois	51.9	62.9	21.4	50.5	57.2	19.0	49.5	61.3	22.8	48.6	57.7	18.5	48.0	57.0	18.7
Indiana	61.9	62.2	31.3*	59.3	67.6	**	58.7	64.3	20.3*	54.3	64.8	24.4*	54.6	64.9	13.0*
Iowa	50.0	64.7	35.7*	48.7	65.5	**	47.6	77.2	**	46.7	64.9	49.7*	46.7	30.0*	**
Kansas	51.1	62.6	43.5	50.9	64.3	39.0	47.3	69.5	56.4	47.2	63.6	34.6	45.7	62.3	50.8
Kentucky	74.0	88.5	**	69.2	69.6	43.2*	74.4	77.1	**	69.4	74.1	**	69.7	63.6	24.1*
Louisiana	60.1	61.8	17.2*	56.7	64.7	35.0	56.3	65.0	23.1*	55.8	59.1	34.5	54.8	58.0	34.0
Maine	55.7	**	**	53.6	**	**	56.0	**	**	52.5	**	**	53.8	**	**
Maryland	51.3	51.3	19.4	50.6	45.8	22.7	46.7	48.7	21.9	44.3	47.1	16.5	44.7	44.4	22.8
Massachusetts	50.3	33.9	26.0	50.8	27.1	21.4	48.9	32.1	28.1	46.2	37.0	24.2	45.7	32.6	28.6
Michigan	53.0	62.9	31.2	53.5	60.9	30.1	51.9	58.8	30.1	50.7	57.1	32.4	49.0	58.7	24.3
Minnesota	44.6	48.5	40.5	43.1	38.4	35.8	41.9	40.3	38.4	39.8	32.5	42.2	38.9	37.7	35.9
Mississippi	65.4	63.7	**	64.1	59.3	**	61.8	62.5	**	61.2	54.4	44.7*	57.0	61.7	**
Missouri	60.2	58.0	20.9*	57.6	58.1	10.2*	57.2	64.0	26.4	55.3	58.1	19.6*	55.7	60.1	32.6
Montana	46.6	**	62.2	40.1	**	45.3*	39.6	**	43.7	47.0	**	63.3	38.5	**	54.9
Nebraska	44.6	64.6	41.4*	44.4	54.0	**	45.6	68.5	46.0*	41.8	64.6	**	42.6	67.5	32.5*
Nevada	56.2	46.2	25.9	55.4	40.5	23.6	50.0	41.6	24.4	50.9	50.5	25.0	48.2	52.9	21.4
New Hampshire	47.6	**	**	50.9	**	**	46.5	**	**	52.3	**	**	47.3	**	**
New Jersey	45.9	49.6	18.9	44.0	46.4	15.4	44.2	41.2	18.2	42.6	42.7	20.9	41.2	39.7	16.4
New Mexico	38.5	41.8*	8.6*	34.0	47.0*	9.2*	35.3	64.6	14.4	32.7	41.3*	6.4*	34.6	**	13.3
New York	46.7	35.1	22.4	44.9	34.6	22.3	44.6	36.9	22.7	43.5	36.3	21.1	43.6	35.1	23.1
North Carolina	56.5	50.8	28.3	54.7	50.9	37.0	54.2	54.9	37.4	52.6	53.2	34.7	49.9	49.8	41.0
North Dakota	43.5	**	76.0*	38.5	**	78.6*	35.6	**	101.6	40.7	**	48.1*	40.8	**	99.5
Ohio	55.9	66.1	29.4	56.2	65.4	27.7	54.4	64.5	30.1	54.5	59.6	21.3	54.2	60.3	22.8
Oklahoma	60.0	55.0	62.4	60.7	56.5	52.4	58.1	54.5	59.6	59.9	67.0	52.5	55.6	60.8	51.9
Oregon	50.0	68.9	34.6	48.5	56.4	38.5	47.8	63.0	29.9	46.7	46.5	26.7	45.7	47.7	37.1
Pennsylvania	50.8	59.4	15.4	48.7	62.4	25.8	48.6	61.0	18.6	47.1	58.1	24.9	46.4	58.0	26.5
Rhode Island	56.9	53.1	**	50.2	34.5*	**	50.4	30.4*	**	48.7	32.3*	**	50.0	24.4*	**
South Carolina	57.9	49.6	27.9*	55.8	51.7	38.0*	55.0	45.6	20.1*	52.9	48.9	37.7	52.6	49.8	24.0*
South Dakota	47.9	**	66.8*	40.6	**	54.0	44.2	**	67.3	46.5	**	73.6	42.3	**	87.0
Tennessee	63.4	66.7	22.8*	64.1	60.4	29.7	63.2	62.6	24.5*	60.0	58.0	21.1	58.2	63.7	28.7
Texas	45.4	61.3	21.4	44.3	55.7	21.3	43.2	54.7	17.9	42.4	51.8	18.4	40.8	50.4	17.0
Utah	18.5	**	22.9*	21.0	**	**	21.8	**	**	20.2	**	19.1*	20.5	**	**
Vermont	52.5	**	**	50.9	**	**	53.9	**	**	49.5	**	**	42.7	**	**
Virginia	51.4	53.4	27.5	50.4	52.7	22.8	49.2	52.7	22.7	48.4	49.0	19.8	46.2	50.7	24.0
Washington	49.1	60.2	34.3	48.7	44.2	30.0	48.1	45.0	33.5	44.9	45.4	31.0	43.5	35.3	31.4
West Virginia	62.7	68.3	**	65.6	68.9	**	65.6	58.7	**	62.5	57.3	**	60.3	50.1	**
Wisconsin	45.7	72.6	46.2	44.4	71.6	36.7	45.5	70.1	42.7	46.7	65.9	39.1	42.3	70.0	46.6
Wyoming	41.2	**	**	42.5	**	**	40.7	**	**	37.6	**	**	37.6	**	**
U.S. Total³	50.2	52.9	27.0	49.1	51.3	25.9	48.3	51.4	26.1	46.8	49.2	25.4	45.6	48.2	24.9

Source: Centers for Disease Control and Prevention. National Center for Health Statistics. CDC Wonder On-line Database, compiled from Compressed Mortality File 1999-2012 Series 20 No. 2R, 2014.

Notes:

(1) Rates are per 100,000 persons, age-adjusted to the 2000 U.S. population and coded by ICD-10 revision.

(2) Includes races other than white and black.

(3) Due to rounding, U.S. total rates presented in this table may differ from those in Table 2.

* These rates should be interpreted with caution as they represent 20 or fewer deaths.

** Rates have been suppressed due to confidentiality constraints.

Table 7: Prevalence Counts^{1, 2} by Race, Sex and Years Since Diagnosis, 2006-2011

Since Diagnosis	All Races			White ³			Black ³			Hispanics ⁴			Asian/Pacific Islander ⁵		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total															
2011	402,326	183,215	219,111	342,459	153,615	188,844	40,459	19,151	21,308	NA	NA	NA	NA	NA	NA
2010	399,431	183,410	216,021	340,206	153,595	186,611	40,171	19,508	20,663	NA	NA	NA	NA	NA	NA
2009	387,762	178,490	209,272	331,327	149,762	181,565	38,285	18,807	19,478	NA	NA	NA	NA	NA	NA
2008	373,489	173,428	200,061	320,145	145,820	174,325	35,947	17,801	18,146	NA	NA	NA	NA	NA	NA
2007	370,617	172,739	197,878	317,797	145,246	172,551	35,685	17,728	17,957	NA	NA	NA	NA	NA	NA
2006	364,996	171,522	193,474	312,993	144,370	168,623	35,285	17,524	17,761	NA	NA	NA	NA	NA	NA
0 to <5															
2011	231,126	107,276	123,850	196,046	90,417	105,629	24,928	11,660	13,268	8,687	4,093	4,594	7,365	3,791	3,574
2010	231,996	108,211	123,785	197,163	91,187	105,976	25,150	12,105	13,045	8,530	4,159	4,371	7,002	3,589	3,413
2009	224,508	104,519	119,989	191,522	88,141	103,381	23,966	11,723	12,243	7,956	3,986	3,970	6,612	3,473	3,139
2008	214,402	101,209	113,193	184,129	85,874	98,255	22,189	11,030	11,159	6,635	3,432	3,203	6,278	3,349	2,929
2007	213,542	100,425	113,117	183,440	85,221	98,219	22,255	11,033	11,222	6,506	3,341	3,165	5,962	3,109	2,853
2006	209,050	98,835	110,215	179,953	84,397	95,556	21,763	10,526	11,237	6,284	3,314	2,970	5,727	3,052	2,675
5 to <10															
2011	77,607	34,010	43,597	67,584	29,237	38,347	7,416	3,506	3,910	2,559	1,156	1,403	2,011	964	1,047
2010	75,108	33,462	41,646	65,648	28,787	36,861	6,834	3,399	3,435	2,434	1,083	1,351	1,951	942	1,009
2009	73,096	32,530	40,566	64,113	28,202	35,911	6,652	3,226	3,426	2,206	1,069	1,137	1,700	809	891
2008	69,655	31,015	38,640	61,258	26,864	34,394	6,066	2,881	3,185	1,939	993	946	1,603	789	814
2007	69,437	30,787	38,650	61,075	26,665	34,410	6,098	2,890	3,208	1,898	929	969	1,642	854	788
2006	69,333	31,266	38,067	60,907	26,889	34,018	6,180	3,132	3,048	1,751	906	845	1,557	859	698
10 to <15															
2011	41,694	17,823	23,871	36,611	15,323	21,288	3,703	1,755	1,948	1,275	606	669	1,020	548	472
2010	41,458	17,795	23,663	36,169	15,084	21,085	3,960	1,952	2,008	1,169	578	591	979	536	443
2009	40,029	17,506	22,523	35,002	14,846	20,156	3,723	1,905	1,818	1,171	578	593	916	521	395
2008	38,971	17,928	21,043	34,230	15,432	18,798	3,553	1,816	1,737	1,233	584	649	864	492	372
2007	38,895	17,826	21,069	34,181	15,348	18,833	3,559	1,817	1,742	1,016	508	508	760	428	332
2006	38,216	17,584	20,632	33,688	15,254	18,434	3,492	1,745	1,747	965	457	508	660	379	281
15 to <20															
2011	22,634	10,198	12,436	19,757	8,775	10,982	2,194	1,068	1,126	NA	NA	NA	NA	NA	NA
2010	22,038	9,916	12,122	19,441	8,691	10,750	2,047	942	1,105	NA	NA	NA	NA	NA	NA
2009	21,696	10,024	11,672	19,420	8,931	10,489	1,787	853	934	NA	NA	NA	NA	NA	NA
2008	20,535	9,571	10,964	18,320	8,397	9,923	1,696	920	776	NA	NA	NA	NA	NA	NA
2007	20,533	9,540	10,993	18,319	8,367	9,952	1,711	927	784	NA	NA	NA	NA	NA	NA
2006	20,390	9,575	10,815	18,225	8,362	9,863	1,697	974	723	NA	NA	NA	NA	NA	NA
20 to <25															
2011	12,124	5,209	6,915	10,797	4,505	6,292	998	548	450	NA	NA	NA	NA	NA	NA
2010	11,527	5,160	6,367	10,233	4,482	5,751	971	518	453	NA	NA	NA	NA	NA	NA
2009	11,093	4,915	6,178	9,843	4,264	5,579	967	496	471	NA	NA	NA	NA	NA	NA
2008	10,970	4,964	6,006	9,683	4,353	5,330	1,003	454	549	NA	NA	NA	NA	NA	NA
2007	10,999	4,966	6,033	9,701	4,347	5,354	1,022	466	556	NA	NA	NA	NA	NA	NA
2006	10,614	4,868	5,746	9,281	4,190	5,091	1,076	524	552	NA	NA	NA	NA	NA	NA
≥25															
2011	17,141	8,699	8,442	11,664	5,358	6,306	1,220	614	606	NA	NA	NA	NA	NA	NA
2010	17,304	8,866	8,438	11,552	5,364	6,188	1,209	592	617	NA	NA	NA	NA	NA	NA
2009	17,340	8,996	8,344	11,427	5,378	6,049	1,190	604	586	NA	NA	NA	NA	NA	NA
2008	18,956	8,741	10,215	12,525	4,900	7,625	1,440	700	740	NA	NA	NA	NA	NA	NA
2007	17,211	9,195	8,016	11,081	5,298	5,783	1,040	595	445	NA	NA	NA	NA	NA	NA
2006	17,393	9,394	7,999	10,939	5,278	5,661	1,077	623	454	NA	NA	NA	NA	NA	NA

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011 .

- Notes:
- (1) Prevalence proportions were calculated using only the First Malignant Tumor Ever for a person.
 - (2) Total prevalence counts are based on 2011 cancer prevalence proportions from the SEER registries and 1/1/2011 U.S. population estimates based on the average of 2010 and 2011 population estimates from the U.S. Bureau of the Census, respectively.
 - (3) Statistics based on SEER 9 areas.
 - (4) Statistics based on NHIA for Hispanic for SEER 11 areas and Rural Georgia.
 - (5) Statistics based on SEER 11 areas and Rural Georgia.
- NA - Not Available.

Table 8: Lung Cancer Age-Adjusted Incidence Rates¹ by Site, Race and Sex, 1975-2011

Year/Site	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
1975	52.2	89.4	24.5	51.9	89.1	24.9	64.7	114.9	24.7
1976	55.4	93.8	27.3	54.6	92.7	27.3	72.3	131.0	28.6
1977	56.7	95.5	28.3	55.9	94.7	28.1	73.5	124.7	33.9
1978	57.9	96.7	29.7	57.3	95.9	29.9	74.6	130.7	31.6
1979	58.6	95.7	31.6	58.0	95.1	31.6	74.3	127.4	34.0
1980	60.6	99.9	32.2	59.4	97.6	32.4	86.6	151.5	38.3
1981	62.0	99.4	35.1	61.5	98.5	35.5	82.2	143.0	37.2
1982	63.3	100.7	36.8	63.1	99.7	37.7	80.4	141.1	35.7
1983	63.4	99.4	37.8	63.0	97.6	39.0	86.7	151.3	39.5
1984	65.5	102.1	39.5	64.4	100.0	39.7	93.0	159.2	44.8
1985	64.7	98.8	40.2	64.0	97.0	40.8	89.7	149.6	46.1
1986	65.8	99.1	42.3	65.2	97.5	42.9	92.9	156.1	48.7
1987	68.0	101.6	44.2	68.1	100.7	45.5	84.8	143.7	43.2
1988	68.1	98.9	46.3	68.3	98.0	47.8	88.2	145.1	48.0
1989	67.7	98.2	46.2	67.8	97.3	47.4	89.1	142.6	51.4
1990	68.2	97.3	47.8	68.4	96.5	48.9	86.9	137.1	52.1
1991	69.4	97.6	49.6	69.1	96.3	50.6	93.3	145.0	56.9
1992	69.6	97.4	49.9	69.0	95.2	51.0	94.1	149.3	55.7
1993	67.8	94.1	49.2	67.9	92.7	50.8	86.3	135.3	52.2
1994	67.3	91.1	50.6	67.0	90.3	51.7	87.2	131.3	56.2
1995	66.9	87.9	50.4	67.1	88.0	52.3	86.2	138.7	50.2
1996	66.4	87.9	51.2	66.7	86.6	52.9	84.0	127.3	54.8
1997	66.6	86.3	52.5	67.2	84.9	54.9	82.0	129.3	50.4
1998	67.4	87.9	52.8	68.0	86.6	54.9	86.8	130.2	57.5
1999	65.6	84.4	52.3	66.1	83.0	54.2	83.8	121.4	58.3
2000	63.7	81.4	51.0	64.3	80.2	53.0	79.3	113.3	56.4
2001	62.7	79.5	50.4	63.7	79.3	52.4	78.5	112.2	55.8
2002	62.1	77.8	50.8	62.7	77.1	52.4	80.1	110.4	59.9
2003	62.7	78.5	51.3	63.6	77.1	53.9	78.5	115.5	53.5
2004	60.0	73.6	50.2	60.6	72.7	52.0	73.0	100.0	54.9
2005	61.0	73.2	52.2	61.9	73.0	54.0	72.2	94.2	57.6
2006	60.0	71.3	51.6	60.5	70.1	53.5	73.0	95.7	57.2
2007	59.3	69.9	51.6	60.4	69.1	54.1	69.5	93.5	53.4
2008	58.8	70.2	50.5	59.3	68.7	52.7	73.4	101.2	54.8
2009	58.8	69.3	51.3	59.2	68.3	52.8	72.5	95.1	57.5
2010	56.7	66.8	49.2	57.8	66.6	51.2	65.4	84.0	53.2
2011	55.5	64.8	48.6	56.5	64.4	50.7	64.6	85.3	51.0

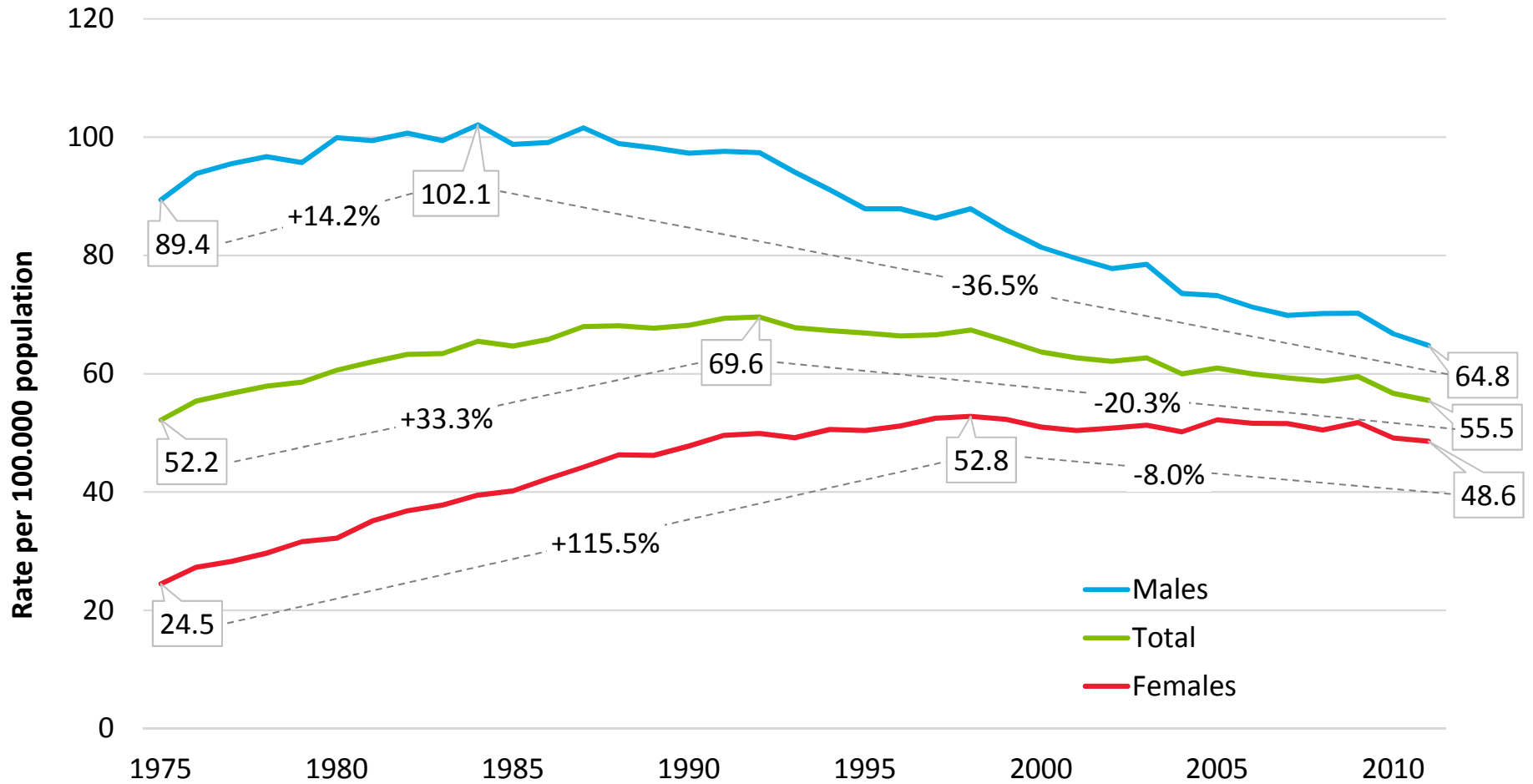
Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

Notes:

(1) Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population.

-- Rates based on less than 25 cases for the time interval.

Figure 3: Lung Cancer Age-Adjusted Incidence Rates¹ by Sex, 1975-2011



Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011

Notes:

(1) Rates are per 100,000 persons, age-adjusted to the 2000 U.S. standard population and coded by ICD-10.

Table 9: Mesothelioma Age-Adjusted Incidence Rates¹ by Site, Race and Sex, 1977-2011

Year/Site	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
1977	0.6	1.0	0.3	0.6	1.1	0.3	0.2	0.3	0.1
1978	0.7	1.4	0.2	0.8	1.5	0.2	0.3	0.3	0.3
1979	0.8	1.5	0.3	0.8	1.6	0.3	0.6	0.9	0.4
1980	1.0	1.8	0.4	1.0	2.0	0.4	0.2	0.7	0.0
1981	0.8	1.4	0.3	0.8	1.5	0.3	0.3	0.8	0.0
1982	0.8	1.4	0.4	0.9	1.5	0.4	0.3	0.9	0.0
1983	1.0	1.9	0.5	1.1	2.0	0.5	0.9	1.6	0.5
1984	1.1	2.0	0.4	1.2	2.2	0.4	0.3	0.8	0.0
1985	0.9	1.7	0.4	1.0	1.7	0.4	0.8	1.8	0.2
1986	0.9	1.7	0.4	1.0	1.8	0.5	0.5	0.9	0.2
1987	1.0	1.7	0.4	1.0	1.8	0.5	0.7	1.1	0.4
1988	1.0	1.8	0.4	1.1	2.0	0.4	0.6	1.2	0.3
1989	1.1	2.2	0.4	1.2	2.3	0.4	0.7	1.0	0.4
1990	1.1	2.2	0.5	1.3	2.3	0.5	0.7	1.4	0.3
1991	1.1	2.1	0.4	1.2	2.2	0.5	0.7	1.6	0.2
1992	1.2	2.5	0.4	1.3	2.7	0.4	0.7	1.3	0.2
1993	1.1	2.0	0.4	1.1	2.2	0.4	0.7	1.2	0.3
1994	1.2	2.2	0.4	1.2	2.3	0.5	1.1	1.8	0.5
1995	1.2	2.2	0.5	1.2	2.3	0.5	0.8	1.7	0.3
1996	1.1	2.1	0.5	1.3	2.4	0.5	0.4	0.8	0.2
1997	1.0	1.9	0.4	1.1	2.0	0.4	0.9	1.4	0.6
1998	1.1	2.1	0.4	1.2	2.2	0.5	0.6	1.3	0.2
1999	1.1	2.2	0.4	1.2	2.3	0.4	0.7	1.3	0.2
2000	1.1	2.1	0.3	1.2	2.4	0.4	0.6	1.1	0.2
2001	1.0	1.9	0.4	1.1	2.1	0.5	0.4	0.9	0.2
2002	1.0	1.9	0.4	1.1	2.1	0.4	--	--	--
2003	0.9	1.6	0.4	1.0	1.8	0.4	--	--	--
2004	1.1	2.0	0.4	1.2	2.2	0.5	--	--	--
2005	1.0	1.9	0.4	1.2	2.1	0.5	--	--	--
2006	0.9	1.6	0.4	1.0	1.7	0.5	--	--	--
2007	1.0	1.7	0.4	1.1	1.9	0.5	--	--	--
2008	0.9	1.7	0.3	1.0	1.9	0.4	--	--	--
2009	1.0	1.8	0.4	1.1	2.1	0.5	--	--	--
2010	1.0	1.8	0.4	1.1	2.0	0.4	--	--	--
2011	1.0	1.7	0.4	1.1	1.9	0.5	--	--	--

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

Notes:

(1) Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population.

-- Rates based on less than 25 cases for the time interval.

Table 10: Oral Cavity & Pharynx Cancer Age-Adjusted Incidence Rates¹ by Site, Race and Sex, 1975-2011

Year/Site	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
1975	13.2	21.2	7.1	13.3	21.7	6.9	13.4	20.2	8.2
1976	13.3	21.0	7.4	13.2	21.0	7.4	15.1	23.8	8.3
1977	12.7	20.1	7.0	12.6	19.8	7.0	14.5	23.9	6.8
1978	13.4	20.9	7.7	13.2	20.8	7.6	15.8	25.8	8.1
1979	14.0	21.9	8.0	13.7	21.6	7.7	18.4	28.2	10.6
1980	13.3	20.3	7.9	13.0	20.0	7.6	16.8	25.4	9.6
1981	13.6	20.8	7.9	13.4	20.5	7.9	16.7	28.2	7.5
1982	13.3	20.3	7.9	13.1	19.9	7.8	17.1	27.4	8.9
1983	13.3	21.2	7.2	13.3	21.2	7.3	16.1	26.0	8.3
1984	13.5	20.8	7.9	13.0	20.1	7.6	18.9	30.0	10.1
1985	13.3	19.8	8.2	13.2	19.6	8.3	16.0	25.7	8.5
1986	12.5	19.1	7.2	12.3	18.8	7.3	16.1	28.0	7.0
1987	13.2	20.5	7.5	13.1	20.1	7.7	16.8	30.0	6.9
1988	12.1	18.1	7.3	11.7	17.6	7.1	16.4	25.6	9.1
1989	12.1	18.2	7.3	11.8	17.6	7.3	15.7	27.0	7.0
1990	12.6	19.4	7.3	12.4	18.8	7.4	16.1	28.0	6.9
1991	12.2	18.3	7.2	12.1	18.1	7.3	14.5	23.7	7.4
1992	12.0	18.3	6.9	11.8	18.0	6.9	14.8	25.1	6.9
1993	12.4	18.7	7.3	12.2	18.4	7.2	15.5	25.0	8.0
1994	11.7	17.7	6.8	11.4	16.8	6.9	15.8	26.8	7.1
1995	11.5	16.9	7.2	11.5	16.7	7.3	13.5	22.5	6.7
1996	11.7	17.7	7.0	11.4	17.1	6.9	14.8	24.2	7.5
1997	11.5	17.3	6.8	11.5	17.1	6.9	11.5	18.4	6.2
1998	11.2	16.6	6.7	11.2	16.3	6.9	12.9	22.3	6.2
1999	10.5	15.5	6.4	10.4	15.3	6.3	11.5	19.5	5.6
2000	10.7	16.0	6.3	10.7	15.6	6.4	11.6	20.5	4.9
2001	10.6	15.2	6.8	10.7	15.2	6.8	11.9	18.7	6.9
2002	10.8	15.9	6.5	11.0	16.0	6.6	10.9	16.7	6.4
2003	10.2	15.2	6.0	10.2	15.2	5.8	11.5	16.2	7.7
2004	10.4	15.5	6.0	10.6	15.7	6.0	9.9	15.7	5.6
2005	10.4	15.1	6.3	10.4	15.4	6.1	10.6	16.1	6.7
2006	10.3	15.0	6.2	10.4	15.0	6.4	9.6	15.9	5.0
2007	10.3	15.3	6.2	10.6	15.6	6.1	9.4	14.8	5.3
2008	10.8	16.0	6.3	11.1	16.4	6.4	8.8	13.7	5.0
2009	10.9	16.1	6.3	11.0	16.3	6.3	10.4	15.7	6.3
2010	10.8	16.1	6.2	11.2	16.5	6.3	8.7	13.3	5.0
2011	11.2	16.6	6.5	11.8	17.4	6.7	9.0	14.1	5.1

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

Notes:

(1) Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population.

-- Rates based on less than 25 cases for the time interval.

Table 11: Larynx Cancer Age-Adjusted Incidence Rates¹ by Site, Race and Sex, 1975-2011

Year/Site	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
1975	5.0	9.5	1.5	5.0	9.4	1.5	7.0	13.2	--
1976	5.2	10.0	1.4	5.2	9.9	1.4	7.3	14.6	--
1977	5.0	9.7	1.4	5.0	9.7	1.3	7.5	13.9	--
1978	5.3	9.8	1.8	5.3	9.8	1.9	6.9	13.2	--
1979	5.4	10.1	1.7	5.4	10.2	1.7	7.5	13.2	--
1980	5.2	10.0	1.6	5.2	9.9	1.5	7.3	14.3	--
1981	5.4	9.8	1.9	5.3	9.6	2.0	8.1	16.3	--
1982	5.3	9.7	1.8	5.3	9.8	1.8	7.9	14.4	--
1983	5.3	9.9	1.7	5.4	10.1	1.7	6.8	12.2	--
1984	5.1	9.6	1.6	5.0	9.6	1.5	8.5	14.9	3.4
1985	5.4	9.9	1.9	5.4	10.0	1.9	8.4	15.5	3.2
1986	5.0	9.4	1.6	4.9	9.2	1.7	7.8	15.5	--
1987	5.2	9.4	1.9	5.1	9.4	1.9	8.2	15.0	3.1
1988	5.2	9.6	1.9	5.2	9.6	1.8	8.2	14.8	3.3
1989	5.0	8.9	2.0	5.0	8.9	1.9	7.9	14.3	3.3
1990	5.1	9.2	1.9	5.0	9.0	1.9	9.5	17.8	3.6
1991	4.7	8.5	1.8	4.8	8.5	1.9	6.7	12.6	--
1992	5.0	9.1	1.8	4.9	8.9	1.7	8.7	15.8	3.4
1993	4.4	8.1	1.5	4.4	8.0	1.5	6.9	14.1	--
1994	4.7	8.3	1.8	4.5	8.1	1.7	8.9	15.8	3.8
1995	4.4	7.9	1.6	4.4	7.8	1.6	6.7	13.0	--
1996	4.3	7.5	1.7	4.3	7.5	1.6	6.4	11.4	2.8
1997	4.2	7.5	1.6	4.1	7.3	1.6	7.1	13.2	2.7
1998	3.8	6.7	1.6	3.7	6.5	1.6	6.5	11.8	2.8
1999	4.1	7.0	1.8	4.1	6.9	1.8	7.2	12.3	3.6
2000	4.0	7.2	1.4	4.0	7.1	1.5	6.1	11.3	2.3
2001	3.6	6.5	1.3	3.6	6.3	1.3	6.1	12.0	1.8
2002	3.5	6.2	1.3	3.4	6.0	1.3	6.2	11.1	2.6
2003	3.3	5.9	1.2	3.3	5.7	1.3	4.9	9.2	1.8
2004	3.4	6.0	1.3	3.4	5.9	1.3	5.8	10.9	2.3
2005	3.4	6.1	1.3	3.4	6.1	1.3	5.5	10.4	1.9
2006	3.2	5.7	1.2	3.3	5.7	1.3	5.2	10.2	1.5
2007	3.1	5.5	1.2	3.1	5.4	1.2	5.4	9.9	2.3
2008	3.1	5.4	1.1	3.1	5.5	1.1	4.5	8.3	1.9
2009	3.1	5.6	1.0	3.1	5.6	1.1	4.2	8.5	1.2
2010	3.2	5.7	1.1	3.2	5.5	1.2	5.0	9.4	1.8
2011	2.9	5.2	1.1	3.0	5.2	1.1	4.1	8.3	1.3

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

Notes:

(1) Rates are per 100,000 persons and are age-adjusted to the 2000 U.S. standard population.

-- Rates based on less than 25 cases for the time interval.

Table 12: Age-Adjusted Incidence Rates¹ by Race/Ethnicity and Sex, 2007-2011

Sex	Total	White	Black	Hispanic²	Asian/Pacific Islander	American Indian/ Alaska Native
Males	72.2	72.4	93.0	39.6	49.4	49.5
Females	51.1	53.8	51.2	25.5	28.1	34.7
Total	60.1	61.7	68.0	31.3	37.0	40.9

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

Notes:

(1) Rates are per 100,000 age-adjusted to the 2000 U.S. standard population. Incidence rates obtained from 18 SEER areas.

(2) Hispanics are not mutually exclusive from whites, blacks, Asian/Pacific Islanders and American Indians/Alaska Natives.

Table 13: Incidence Counts and Age-Adjusted Rates by State and Sex, 2011

State	Male		Female	
	Incidence Counts	Age-Adjusted Incidence Rate ¹	Incidence Counts	Age-Adjusted Incidence Rate ¹
Alabama	2,264	91.7	1,703	55.5
Alaska	185	68.0	157	59.3
Arizona	1,913	57.0	1,821	46.6
Arkansas	1,548	98.7	1,066	56.8
California	8,371	51.4	8,025	39.6
Colorado	1,099	49.7	1,103	41.4
Connecticut	1,335	72.7	1,271	54.7
Delaware	438	91.0	358	61.6
District of Columbia	176	69.9	153	45.6
Florida	8,440	71.3	7,425	52.6
Georgia	3,444	84.9	2,702	52.0
Hawaii	425	57.1	342	39.2
Idaho	428	56.0	408	47.2
Illinois	4,805	80.4	4,336	56.9
Indiana	2,816	89.0	2,364	60.4
Iowa	1,309	78.8	1,017	50.5
Kansas	1,043	73.2	899	52.7
Kentucky	2,488	112.2	2,145	79.3
Louisiana	1,947	91.1	1,441	53.6
Maine	632	79.8	586	61.1
Maryland	1,739	63.9	1,775	51.4
Massachusetts	2,446	74.1	2,535	60.1
Michigan*	3,915	75.9	3,737	59.2
Minnesota	1,711	64.8	1,555	49.3
Mississippi	1,409	98.7	983	54.5
Missouri	2,692	86.8	2,311	60.9
Montana	396	70.3	334	50.9
Nebraska	615	67.6	521	46.7
Nevada	--	--	--	--
New Hampshire	502	71.3	532	64.1
New Jersey	2,849	66.3	2,998	53.3
New Mexico	506	47.8	436	35.0
New York	6,815	71.8	6,766	54.5
North Carolina	4,125	88.7	3,180	53.5
North Dakota	264	73.4	202	47.8
Ohio	5,051	83.9	4,262	57.3
Oklahoma	1,616	85.0	1,354	59.2
Oregon	1,343	65.8	1,389	57.3
Pennsylvania	5,637	80.2	4,942	56.0
Rhode Island	401	74.9	388	55.6
South Carolina	2,024	84.8	1,509	50.7
South Dakota	266	60.9	261	51.6
Tennessee	3,092	94.6	2,398	59.5
Texas	7,100	68.6	5,421	42.9
Utah	354	34.5	291	25.0
Vermont	245	67.6	267	65.2
Virginia	2,681	71.0	2,375	50.5
Washington	2,109	65.2	2,075	53.4
West Virginia	1,130	101.4	811	62.4
Wisconsin	2,035	68.1	1,935	54.8
Wyoming	148	52.0	136	43.8
United States ²	111,176	73.0	97,842	52.1

Source: National Cancer Institute. State Cancer Profiles web system, statecancerprofiles.cancer.gov, accessed October 6, 2014.

Notes:

(1) Rates are per 100,000 population. Age-adjusted incidence rates are adjusted to the 2000 U.S. standard population.

(2) Total may not equal sum of all states due to reliance on data submissions from differing dates.

-- Nevada data not available.

* Data do not include cases diagnosed in other states.

Table 14: Number of First-Listed Hospital Discharges¹ and Rate per 10,000 Population by Age, 1979-2010

Year	<15		15-44		45-64		65+		Total ²	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979	---	---	12,000	1.2	130,000	29.3	131,000	52.1	274,000	12.7
1980	---	---	12,000	1.2	123,000	27.8	142,000	55.3	277,000	12.4
1981	---	---	11,000	---	134,000	30.2	145,000	55.2	293,000	12.9
1982	---	---	15,000	1.4	147,000	33.2	155,000	58.0	319,000	13.9
1983	---	---	12,000	1.1	151,000	34.0	176,000	64.1	339,000	14.6
1984	---	---	13,000	1.2	155,000	34.1	172,000	61.2	340,000	14.5
1985	---	---	13,000	1.2	132,000	29.4	169,000	59.4	315,000	13.3
1986	---	---	15,000	1.3	120,000	26.7	155,000	53.3	290,000	12.1
1987	---	---	12,000	1.1	129,000	28.5	164,000	54.9	305,000	12.6
1988 ³	---	---	8,000*	0.7*	102,000	22.2	125,000	41.2	236,000	9.7
1989	---	---	11,000	1.0	101,000	21.8	127,000	40.9	239,000	9.7
1990	---	---	12,000	1.0	101,000	21.4	119,000	37.7	231,000	9.3
1991	---	---	10,000	0.8	101,000	21.6	125,000	39.3	236,000	9.4
1992	---	---	7,000*	0.6*	86,000	17.8	122,000	37.8	215,000	8.5
1993	---	---	7,000*	0.6*	75,000	15.1	111,000	33.9	194,000	7.6
1994	---	---	9,000*	0.7*	73,000	14.3	126,000	37.9	199,000	7.6
1995	---	---	8,000*	0.7*	75,000	14.4	110,000	32.8	197,000	7.5
1996	---	---	10,000	0.8	72,000	13.4	122,000	36.0	210,000	8.0
1997	---	---	---	---	60,000	10.9	123,000	36.4	192,000	7.1
1998	---	---	9,000*	0.7*	55,000	9.6	99,000	29.0	165,000	6.0
1999	---	---	5,000*	0.4*	54,000	9.2	104,000	30.5	164,000	6.0
2000	---	---	8,000*	0.6*	43,000	7.0	87,000	25.1	139,000	5.0
2001	---	---	6,000*	0.5*	56,000	8.7	90,000	25.6	153,000	5.4
2002	---	---	5,000*	0.6*	55,000	8.3	100,000	28.0	160,000	5.6
2003	---	---	7,000*	0.5*	57,000	8.3	104,000	29.0	168,000	5.8
2004	---	---	12,000	1.0	54,000	7.6	97,000	26.8	164,000	5.6
2005	---	---	7,000*	0.6*	54,000	7.4	93,000	25.2	154,000	5.2
2006	---	---	5,000*	0.4*	51,000	6.8	109,000	29.3	166,000	5.6
2007	---	---	---	---	64,000	8.4	107,000	28.2	179,000	6.0
2008	---	---	10,000*	0.8*	62,000	8.0	104,000	26.6	176,000	5.8
2009	---	---	---	---	69,000	8.7	117,000	29.6	194,000	6.4
2010	---	---	---	---	57,000	7.1	116,000	17.5	177,000	5.8

Source: National Center for Health Statistics. National Hospital Discharge Survey, 1979-2010.

Notes:

(1) Hospital discharge estimates are coded by ICD-9 revisions (ICD-9 Code 162, 176.4, 197.0, 197.3).

(2) Due to rounding and the exclusion of numbers that do not meet standards of reliability, numbers across may not sum to the total number of hospital discharges.

(3) Data from 1988-2010 may not be comparable to earlier years due to the redesign of the survey in 1988.

--- Figure does not meet standards of reliability or precision.

* Estimates of 5,000-10,000 and corresponding rates should be used with caution.

Table 15: Number of First-Listed Hospital Discharges¹ and Rate per 10,000 Population by Race, 1988-2010

Year	Number of Discharges				Rate per 10,000 population			
	Total	White	Black	All Other	Total	White	Black	All Other
1988	236,000	193,000	N/A	N/A	9.7	9.3	N/A	N/A
1989	239,000	194,000	N/A	N/A	9.7	9.3	N/A	N/A
1990	231,000	183,000	19,000	---	9.3	8.7	6.3	---
1991	236,000	181,000	21,000	7,000*	9.4	8.6	6.9	7.1*
1992	215,000	161,000	16,000	5,000*	8.5	7.6	5.2	4.7*
1993	194,000	149,000	16,000	---	7.6	7.0	5.1	---
1994	199,000	151,000	21,000	7,000*	7.6	7.0	6.4	6.0*
1995	197,000	140,000	21,000	---	7.5	6.5	6.4	---
1996	210,000	156,000	17,000	5,000*	8.0	7.1	5.3	4.4*
1997	192,000	142,000	20,000	---	7.1	6.4	5.6	---
1998	165,000	114,000	14,000	7,000*	6.0	5.1	3.8	5.1*
1999	164,000	115,000	13,000	8,000*	6.0	5.1	3.5	6.3*
2000	139,000	85,000	12,000	---	5.0	3.7	3.5	---
2001	153,000	95,000	14,000	---	5.4	4.1	4.0	---
2002	160,000	102,000	12,000	---	5.6	4.4	3.3	---
2003	168,000	113,000	16,000	---	5.8	4.9	4.3	---
2004	164,000	102,000	17,000	6,000*	5.6	4.3	4.5	3.2*
2005	154,000	98,000	15,000	6,000*	5.2	4.1	4.0	2.8*
2006	166,000	104,000	15,000	---	5.6	4.3	4.1	---
2007	179,000	118,000	22,000	---	6.0	4.9	5.8	---
2008	176,000	101,000	21,000	10,385	5.8	4.2	5.5	4.7*
2009	194,000	136,000	25,000	9,843*	6.4	5.6	6.4	4.3*
2010	177,000	135,000	21,000	8,469*	5.8	5.5	5.2	3.6*

Source: National Center for Health Statistics. National Hospital Discharge Survey, 1979-2010.

Notes:

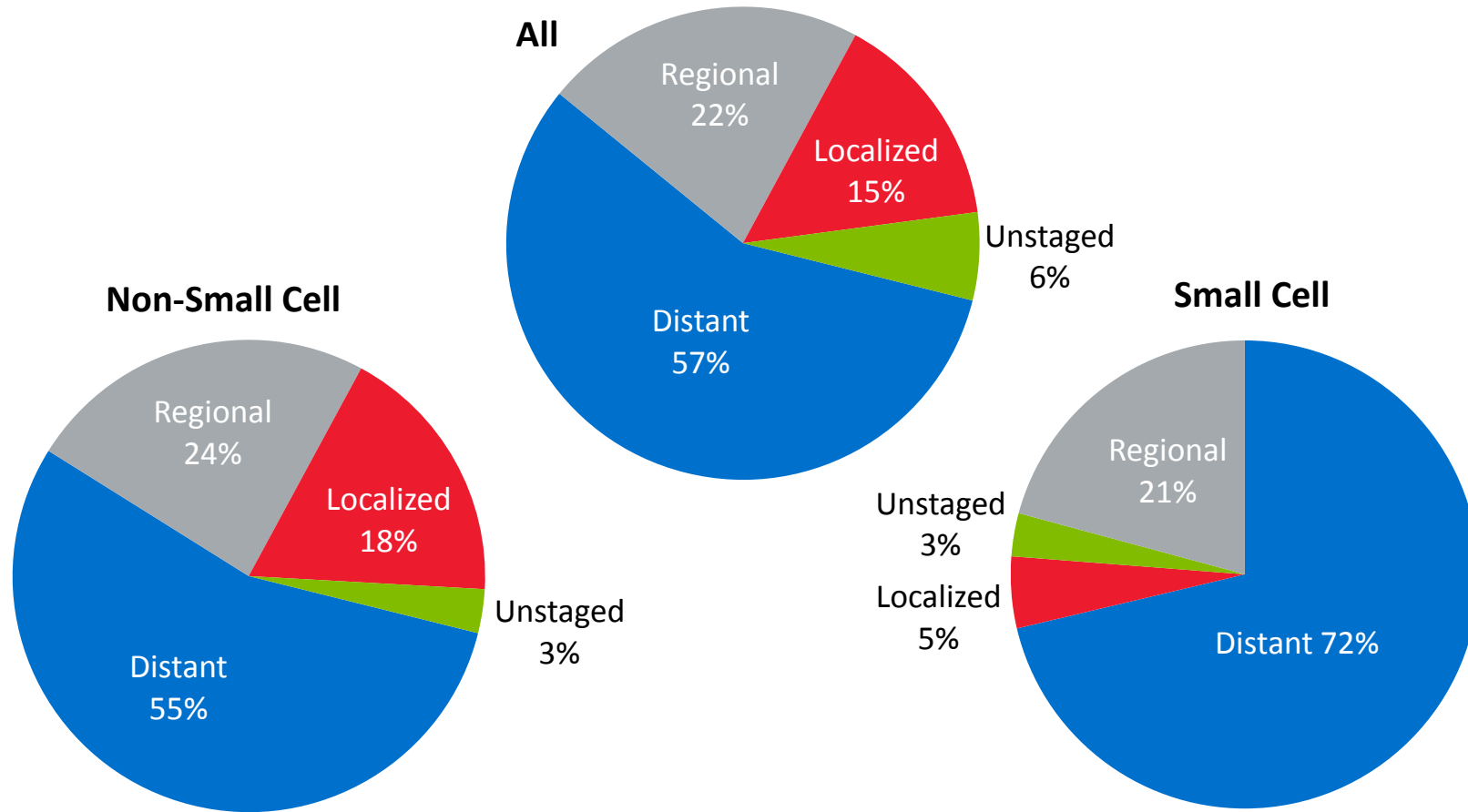
(1) Hospital discharge estimates are coded by ICD-9 revisions (ICD-9 Code 162, 176.4, 197.0, 197.3).

--- Figure does not meet standards of reliability or precision.

* Estimates below 10,000 and corresponding rates should be used with caution.

N/A - Not Available.

Figure 4: Stage Distribution¹ (%) at Time of Diagnosis by Type, 2004-2010²



Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

Notes:

- (1) Stages include localized (within lungs), regional (spread to lymph nodes), and distant (spread to other organs).
- (2) Rates are from the SEER 18 areas, based on follow-up of patients into 2011.

Table 16: Relative Five-Year Survival Rates by Race and Site, Cases Diagnosed in 1960-63, 1970-2010

	Lung & Bronchus	Colon	Rectum	Female Breast	Esophagus	Prostate
Total						
1960-1963 ¹	--	--	--	--	--	--
1970-1973 ¹	--	--	--	--	--	--
1975-1977	12.2	50.6	48.1	74.8	5.0	67.8
1978-1980	12.8	52.3	48.9	74.4	5.0	70.1
1981-1983	13.1	55.2	51.4	76.1	6.6	72.0
1984-1986	12.8	58.3	56.2	78.9	9.5	75.2
1987-1989	13.0	60.2	58.1	84.0	9.4	82.8
1990-1992	13.6	62.0	59.2	85.2	12.1	92.9
1993-1995	14.3	59.8	60.1	86.4	12.1	95.2
1996-1998	14.6	62.2	63.3	88.2	13.4	97.4
1999-2003	15.5	64.9	67.1	89.9	17.7	99.6
2004-2010	17.8*	65.4*	67.8*	90.5*	20.0*	99.6*
White						
1960-1963 ¹	8	43	38	63	4	50
1970-1973 ¹	10	49	45	68	4	63
1975-1977	12.2	50.9	48.2	75.6	5.5	68.5
1978-1980	12.9	52.4	49.7	75.1	5.3	71.2
1981-1983	13.3	55.4	52.0	77.1	7.3	73.1
1984-1986	13.0	59.0	57.0	80.0	10.2	76.4
1987-1989	13.3	60.6	58.7	85.1	10.5	84.4
1990-1992	14.0	62.8	59.9	86.5	12.9	94.1
1993-1995	14.5	60.5	60.5	87.7	13.4	95.9
1996-1998	14.8	62.9	63.6	89.4	14.2	97.9
1999-2003	15.8	66.3	67.8	91.2	18.7	99.8
2004-2010	18.2*	66.5*	68.0*	91.8*	21.0*	99.8*
Black						
1960-1963 ¹	5	34	27	46	1	35
1970-1973 ¹	7	37	30	51	4	55
1975-1977	11.3	44.7	44.4	62.0	3.5	60.7
1978-1980	11.7	48.9	34.6	63.3	4.3	62.1
1981-1983	11.3	48.5	39.9	63.3	4.3	62.7
1984-1986	11.1	49.1	45.8	65.0	8.7	65.6
1987-1989	10.9	52.3	52.3	71.0	6.6	71.1
1990-1992	10.4	53.2	51.1	71.4	9.1	84.3
1993-1995	12.9	51.1	53.9	72.6	7.6	91.6
1996-1998	12.3	53.5	54.8	76.1	10.2	94.8
1999-2003	12.7	54.1	60.2	78.1	12.0	97.5
2004-2010	14.9*	55.8*	63.2*	80.0*	13.2*	97.9*

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

Notes:

(1) Rates are based on data from a series of hospital registries and one population based registry. Later rates are from the SEER 9 areas.

-- Statistic could not be calculated.

* The difference in rates between 1975-1977 and 2004-2010 is statistically significant (p<.05).

Table 17: Five-Year Survival Rates¹ (%) by Type, Race and Sex, 1975-2010

Type/Year of Diagnosis	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Lung & Bronchus									
1975-1977	12.2	11.1	15.3	12.2	11.1	15.4	11.3	10.6	13.8
1978-1980	12.8	11.4	16.3	12.9	11.5	16.2	11.7	9.7	17.8
1981-1983	13.1	11.5	16.4	13.3	11.7	16.5	11.3	10.1	14.9
1984-1986	12.8	11.2	16.0	13.0	11.3	16.3	11.1	10.3	12.8
1987-1989	13.0	11.9	14.9	13.3	12.0	15.3	10.9	10.8	11.1
1990-1992	13.6	12.1	15.9	14.0	12.4	16.2	10.4	9.3	12.5
1993-1995	14.3	12.5	16.9	14.5	12.6	17.1	12.9	11.3	15.7
1996-1998	14.6	12.9	16.8	14.8	13.0	17.0	12.3	10.7	14.8
1999-2003	15.5	13.4	18.0	15.8	13.7	18.3	12.7	11.3	14.5
2004-2010	17.8*	15.5*	20.4*	18.2*	15.8*	20.7*	14.9*	13.0*	17.1*
Small Cell Lung & Bronchus									
1975-1977	3.6	3.1	4.8	3.7	3.1	4.9	3.7	3.8	3.6
1978-1980	4.2	3.2	6.4	4.3	3.3	6.4	3.1	2.4	5.0
1981-1983	4.5	3.5	6.2	4.6	3.6	6.1	5.0	3.7	8.2
1984-1986	4.5	3.5	6.2	4.7	3.6	6.4	3.5	2.2	5.6
1987-1989	5.1	3.9	6.6	5.1	3.9	6.8	4.0	3.3	5.1
1990-1992	5.4	4.5	6.4	5.5	4.5	6.6	3.9	3.9	3.9
1993-1995	6.4	5.1	7.9	6.3	5.1	7.7	6.7	4.0	10.4
1996-1998 ²	5.9	5.2	6.5	6.1	5.4	6.7	3.6	2.7	4.5
1999-2003	6.1	4.8	7.4	6.0	4.5	7.6	5.2	5.4	4.9
2004-2010	6.6*	4.9*	8.3*	6.5*	4.8*	8.2*	6.9*	5.7*	8.0
Non-Small Cell Lung & Bronchus									
1975-1977	16.4	14.8	21.0	16.7	15.0	21.4	13.6	12.5	17.7
1978-1980	16.7	14.8	21.4	17.0	15.2	21.5	14.2	11.6	22.8
1981-1983	17.1	15.0	21.8	17.5	15.4	22.1	13.9	12.2	19.2
1984-1986	16.6	14.4	21.0	17.0	14.7	21.5	13.2	11.9	16.4
1987-1989	16.9	15.2	19.8	17.4	15.5	20.6	13.2	12.9	14.0
1990-1992	17.6	15.5	21.1	18.3	16.1	21.7	12.8	11.1	16.1
1993-1995	18.7	16.1	22.5	19.3	16.5	23.2	15.1	13.3	18.4
1996-1998 ²	19.4	16.7	22.9	19.9	17.1	23.5	15.2	12.8	19.3
1999-2003	19.7	16.8	23.4	20.5	17.5	24.1	14.6	12.7	17.4
2004-2010	21.7*	18.7*	25.1*	22.6*	19.5*	26.0*	16.7*	14.2*	19.6

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

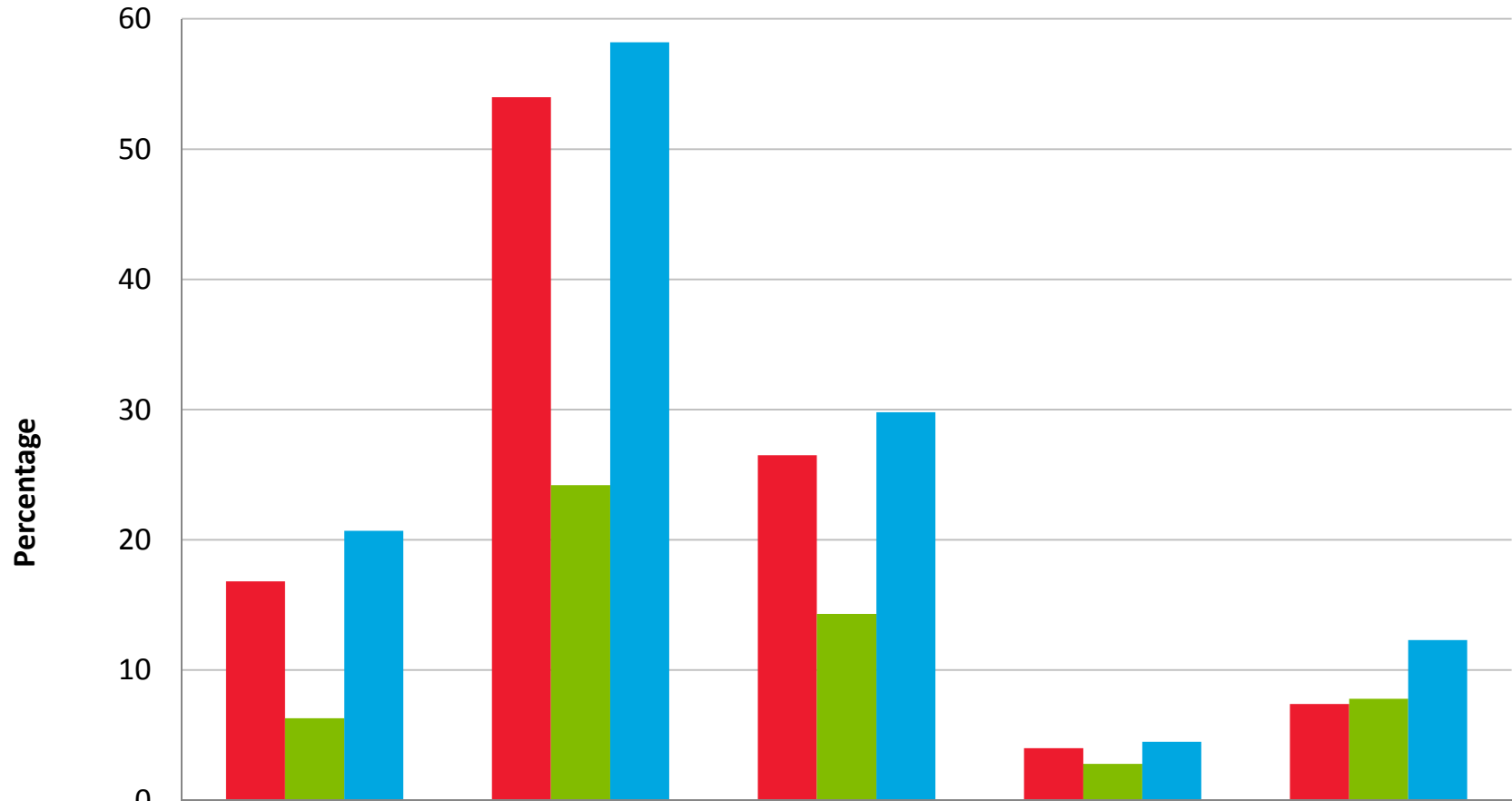
Notes:

(1) Rates are from the SEER 9 areas, based on follow-up of patients into 2011.

(2) Rates are from the SEER 18 areas, based on follow-up of patients into 2011.

* The difference in rates between 1975-1977 and 2004-2010 is statistically significant (p<.05).

Figure 5: Five-Year Survival Rates (%) by Type and Stage, 2004-2010



	All Stages	Localized	Regional	Distant	Unstaged
■ All Cell	16.8	54.0	26.5	4.0	7.4
■ Small Cell	6.3	24.2	14.3	2.8	7.8
■ Non-Small Cell	20.7	58.2	29.8	4.5	12.3

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.

Notes:

- (1) Rates are per 100,000 persons, age-adjusted to the 2000 U.S. standard population and coded by ICD-10.
- (2) Rates are from the SEER 18 areas, based on follow-up of patients into 2011.

Table 18: Lifetime Risk (%) of Being Diagnosed With or Dying From Lung Cancer, by Race and Sex, 2009-2011

Type of Risk	All Races		Whites		Blacks	
	Males	Females	Males	Females	Males	Females
Lifetime Risk of Diagnosis	7.43	6.17	7.46	6.46	7.78	5.39
Lifetime Risk of Dying	6.47	4.95	6.53	5.14	6.49	4.15

Source: National Cancer Institute. SEER Cancer Statistics Review, 1975-2011.