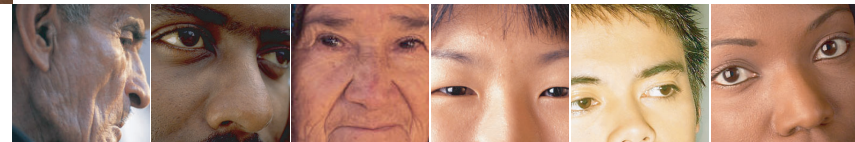




# MORTALITY IN LOS ANGELES COUNTY 2002

## LEADING CAUSES OF DEATH AND PREMATURE DEATH

A publication of the Los Angeles County Department of Health Services  
"To Enrich Lives Through Effective and Caring Service"



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*Mortality in Los Angeles County, 2002*  
**LEADING CAUSES OF DEATH AND PREMATURE DEATH**

***Key Findings***

***Leading causes of death***

**T**here were 59,586 deaths in Los Angeles County in 2002 (Figure 1) – 29,968 males and 29,618 females (Figure 2).

**C**oronary heart disease was the leading cause of death overall (Figure 1). Coronary heart disease, also, was the leading cause of death for both males and females (Figure 2), for all race/ethnic groups (Figures 3, 4), for persons aged 45 years and older (Figure 8), in every service planning area (Figures 12, 13), and in every health district (Figure 16).

**O**verall, half of all deaths in the county were caused by coronary heart disease (16,293 deaths) and cancer (13,431 deaths).

**A**mong those who died of cancer, lung cancer was most common (3,081 deaths) followed by colorectal cancer (1,315 deaths), and breast cancer (1,064 deaths) (Figure 1).

**A**mong persons between the ages of 1 and 44 years, injuries such as motor vehicle crashes, homicide, drug overdoses, and suicide were leading causes of death (Figures 8, 9, 10). Injuries caused 45% of the deaths in this age group.

**D**eath rates were highest among blacks (Figure 4). For all race/ethnic groups men had higher death rates than women (Figures 5, 6, 11).

***Leading causes of premature death***

**A**lmost half (45%) of all deaths in the county were among persons less than 75 years of age resulting in nearly 500,000 years of life lost.

**O**verall, coronary heart disease was the leading cause of premature death (Figure 1). Coronary heart disease, also, was the leading cause of premature death for both males and females (Figure 2), for whites and Asian/Pacific Islanders (Figures 3, 4), in every service planning area except for the South Service Planning Area (Figures 12, 13), and in two-thirds of the health districts (Figure 17).

**H**omicide was the leading cause of premature death for blacks, Hispanics, (Figures 3, 4) and persons aged 15 to 44 years (Figure 8); the second leading cause of premature death for men (Figure 2), and the fourth leading cause of premature death for Hispanic women (Figure 6).

**A**mong persons between the ages of 1 and 44 years, injuries such as homicide, motor vehicle crashes, drug overdoses, and suicide caused nearly half of the years of life lost.

**F**or women, breast cancer was the second leading cause of premature death (Figure 2).

**H**IV infection was the third leading cause of premature death for blacks and the sixth leading cause of premature death for Hispanics (Figure 3).

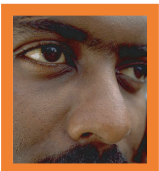
*Mortality in Los Angeles County, 2002*  
**LEADING CAUSES OF DEATH AND PREMATURE DEATH**



**M**any factors influence how long a person will live including their genetic makeup, access to quality medical care, lifestyle, and socioeconomic status. By identifying those conditions and circumstances that cause people to die at younger ages we can better focus prevention and education programs to reduce the risk of death from certain diseases.



**D**uring 2002, nearly seven Angelenos died every hour. Coronary heart disease was the leading cause of death for both males and females, for all race/ethnic groups, in every service planning area and health district, and for persons 45 years of age or older. The number of deaths from coronary heart disease (16,293) was four times greater than the number of deaths from stroke (4,169), the second leading cause of death. Lung cancer, emphysema, pneumonia and influenza, and diabetes also were among the leading causes of death.

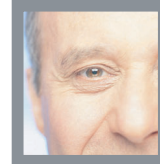


**O**verall, the median age at death was 76 years although it differed for population groups and by cause of death. For example, for males the median age at death was 72 years, for blacks it was 69 years, and for suicide it was 46 years.

**Premature death: What is it?**



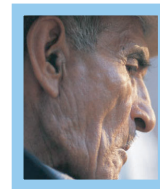
**W**e expect that most people will live to reach old age but many do not. In fact, in 2002 almost half (45%) of those who died were less than 75 years of age. To quantify the impact of early, or premature, death we must consider how long a person was expected to live. For this report, we set our expected lifespan at 75 years of age.



**I**f we expect everyone to live to be at least 75 years of age then persons who die before that age are considered to have died prematurely. For example, a person who died at 63 years of age lost 12 years of expected life while a person who died at 80 exceeded the expectation and did not lose any years of expected life. For everyone who died during the year, we calculated the years of expected life that were lost if they died before 75 years of age. Then, by adding up the total years of life lost for each cause of death we identified those causes of death responsible for the greatest amount of premature death.



**C**onsider coronary heart disease and homicide – the first and second leading causes of premature death. Fourteen times more people died from coronary heart disease (16,293) than homicide (1,148) but the years of life lost from coronary heart disease were only slightly greater than the years of life lost from homicide. This means that most people who died from coronary heart disease were older and lost few, if any, years of expected life. The median age at death from coronary heart disease was 81 years compared with 26 years for homicide. Because most homicides were among younger people each homicide resulted in a large number of years of life lost.



**W**e monitor mortality trends to identify risks to health so we can recommend ways to reduce those risks. This report summarizes information obtained from death certificates for all Los Angeles County residents who died in 2002.

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***Technical Notes***

**Mortality reporting**

When a death occurs in California, state law requires that a certificate of death be filed within eight days of death and before a decedent is buried or cremated. The certificate of death is a legal document that serves as a permanent record of the death of an individual. Data from death certificates provide valuable information for public health and medical research; evaluation of prevention and other intervention programs, community needs assessments, policy development, and program planning.

To complete a certificate of death, the funeral director collects identifying and demographic information about the decedent from several sources including family members and medical records. The decedent's physician or the coroner, when applicable, provides information about the medical conditions or events that precipitated the death. When the certificate of death is complete it is filed with the local registrar. The local registrar in turn files the document with the State Registrar of Vital Records. State records are aggregated by the National Center for Health Statistics to create a national mortality database. Errors, omissions, and inaccuracies can occur when the death certificate is completed and later when it is processed. Some of these errors are detected and corrected; others are not.

**Measures**

This report provides the number of deaths, death rates standardized by age, and years of potential life lost before age 75 for all residents of Los Angeles County and for population groups. Calculations of years of potential life lost were limited to persons who were at least 1 year of age at the time of death. Infants less than 1 year of age were

excluded because prevention of infant mortality differs considerably from prevention of other causes of early mortality. The variables included in the analysis were age at death, gender, race/ethnicity, underlying cause of death, and service planning area and health district of residence. Trends in the leading causes of death and premature death for the 10-year period 1993 through 2002 are provided in the appendices.

A standardized coding system, the International Classification of Diseases (ICD), was used to classify causes of death and to group similar causes of death into categories used for analysis.<sup>1</sup> The cause of death groups were based on categories developed by the National Center for Health Statistics.<sup>2</sup> After deaths were grouped into categories they were ranked by the number of deaths. When two causes of death had the same number of deaths, the cause of death that resulted in the most premature deaths was ranked first.

When a person dies it is likely that several factors or conditions contributed to the death. For this report, we analyzed the underlying cause of death, which is the condition that most directly caused the death. By using a single cause of death rather than considering all the conditions present at the time of death, the number of deaths and rates in this report represent the minimum impact of certain diseases and conditions.

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<sup>1</sup> *International statistical classification of diseases and related health problems, tenth revision*. Geneva: World Health Organization, 1992.

<sup>2</sup> Instruction manual, Part 9. ICD-10 cause-of-death lists for tabulating mortality statistics. Available at: [http://www.cdc.gov/nchs/data/dvs/im9\\_2002.pdf](http://www.cdc.gov/nchs/data/dvs/im9_2002.pdf).

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***Technical Notes - continued***

Some figures include national goals established by Healthy People 2010.<sup>3</sup> Healthy People 2010 is a set of health related objectives for the nation to achieve with the goal of increasing life expectancy and quality of life, and eliminating health disparities in population groups.

**Definitions**

*Death rate:* The death rate is the number of deaths divided by the population at risk. Death rates make comparisons between different population groups more meaningful. This type of rate is also called the crude death rate.

*Death rate (adjusted by age):* There are age related differences in the rate at which most health conditions occur. Some conditions are more common among young people while others are more common among older people. Because of differences in the death rate among different population groups it is difficult to compare the crude death rate of populations that have different age distributions. To control for differences in the age distribution of the populations being compared, the death rates for each population group are applied to a *standard* population to create a comparable summary measure of mortality. In this report, death rates adjusted by age were calculated using the 2000 standard population published by the National Center for Health Statistics.<sup>4</sup> All rates were rounded to the nearest whole number; therefore, rates that appear to be the same differ by a fractional amount.

**User's Guide to Color**

To make the figures easier to understand and interpret, color codes have been used throughout the report.

Coronary heart disease
Stroke
Cancer
Emphysema
Pneumonia and influenza
Diabetes
Intentional injury (homicide)
Liver disease
Unintentional injury (accident)
Self-inflicted injury (suicide)
HIV
Alzheimer's disease
High blood pressure and related kidney disease
Birth defect
Perinatal period condition

<sup>3</sup> Healthy People, Office of Disease Prevention and Health Promotion, U.S. Department of Health and Human Services. [www.healthypeople.gov](http://www.healthypeople.gov).

<sup>4</sup> Anderson RN, Rosenberg HM. Age standardization of death rates: Implementation of the year 2000 standard. *National Vital Statistics Reports; Vol. 47 No. 3.* Hyattsville, Maryland: National Center for Health Statistics, 1998.



*Mortality in Los Angeles County, 2002*  
**User's guide to cause of death and premature death figures**

This series of figures compares the ten leading causes of death with the ten leading causes of *premature* death (death before age 75 years) for the county overall and for population groups. These figures are designed to facilitate comparisons within population groups. Other figures are designed to facilitate comparisons between population groups.

A				B			
Leading causes of death				Leading causes of <i>premature</i> death			
Rank	① Cause of death	② No. of deaths	③ Premature death rank	Rank	④ Cause of death	⑤ Years of life lost	⑥ Death rank
1.	Coronary heart disease	16,293	1.	1.	Coronary heart disease	64,270	1.
2.	Stroke	4,169	8.	2.	Homicide	51,929	8.
3.	Lung cancer	3,081	4.	3.	Motor vehicle crash	30,410	12.
4.	Emphysema	2,604	13.	4.	Lung cancer	20,936	3.
5.	Pneumonia & influenza	2,494	19.	5.	Suicide	20,589	15.
6.	Diabetes	2,122	10.	6.	Liver disease	20,059	9.
7.	Colorectal cancer	1,315	12.	7.	Drug overdose	19,772	18.
8.	Homicide	1,148	2.	8.	Stroke	16,669	2.
9.	Liver disease	1,085	6.	9.	HIV	15,408	23.
10.	Breast cancer	1,064	11.	10.	Diabetes	15,278	6.

User's guide

**A:** The ten leading causes of death are shown from highest (top) to lowest (bottom) based on the number of deaths from each cause. For example, coronary heart disease was the leading cause of death (16,293 deaths), and emphysema was the fourth leading cause of death (2,604 deaths).

**B:** The ten leading causes of *premature* death are shown from highest (top) to lowest (bottom) based on the number of years of life lost before age 75 from each cause. For example, coronary heart disease was the leading cause of *premature* death (64,270 years of life lost), and lung cancer was the fourth leading cause of *premature* death (20,936 years of life lost).

① The cause of death group coded by color.

② The number of deaths due to the specific cause, i.e., there were 16,293 deaths from coronary heart disease and 2,604 deaths from emphysema.

③ The *premature* death rank for this cause of death, i.e., homicide ranked eighth as a leading cause of death (1,148 deaths), but it ranked second as a cause of *premature* death (51,929 years of life lost).

④ The cause of premature death group coded by color.

⑤ The total years of life lost before age 75 for the specific cause of death.

⑥ The death rank for this cause of *premature* death, i.e., liver disease ranked sixth as a leading cause of *premature* death resulting in 20,059 years of life lost before age 75, but it ranked ninth in the number of deaths (1,085 deaths).

Mortality in Los Angeles County, 2002

Figure 1. Ten leading causes of death and premature death

**Los Angeles County**  
59,586 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	16,293	1.	1.	Coronary heart disease	64,270	1.
2.	Stroke	4,169	8.	2.	Homicide	51,929	8.
3.	Lung cancer	3,081	4.	3.	Motor vehicle crash	30,410	12.
4.	Emphysema	2,604	13.	4.	Lung cancer	20,936	3.
5.	Pneumonia & influenza	2,494	19.	5.	Suicide	20,589	15.
6.	Diabetes	2,122	10.	6.	Liver disease	20,059	9.
7.	Colorectal cancer	1,315	12.	7.	Drug overdose	19,772	18.
8.	Homicide	1,148	2.	8.	Stroke	16,669	2.
9.	Liver disease	1,085	6.	9.	HIV	15,408	23.
10.	Breast cancer	1,064	11.	10.	Diabetes	15,278	6.

Coronary heart disease caused 14 times more deaths than homicide, but homicide caused nearly as many years of life lost as coronary heart disease. The median age at death of a homicide victim was 26 years compared with 81 years for coronary heart disease.

Almost one of every four deaths in Los Angeles County was caused by coronary heart disease.

There were almost four times as many deaths from coronary heart disease as there were from stroke, the second leading cause of death.

Although HIV infection accounted for less than 1% of the total deaths it was the ninth leading cause of premature death.

There was little difference in the years of life lost between lung cancer, suicide, liver disease, and drug overdose but there were substantial differences in the number of deaths from these causes highlighting the dramatic impact of suicide and drug overdose on premature death.

Emphysema, and pneumonia and influenza were leading causes of death but had less impact on premature death.

\*Death before age 75 years.

\*\*Excludes infants less than 1 year of age and persons of unknown age.



Mortality in Los Angeles County, 2002

Figure 2. Ten leading causes of death and premature death by gender

Male 29,968 total deaths				Female 29,618 total deaths											
Leading causes of death			Leading causes of premature* death			Leading causes of death			Leading causes of premature* death						
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank	Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	8,029	1.	1.	Coronary heart disease	46,419	1.	1.	Coronary heart disease	8,264	1.	1.	Coronary heart disease	17,851	1.
2.	Lung cancer	1,702	8.	2.	Homicide	45,633	7.	2.	Stroke	2,468	5.	2.	Breast cancer	12,454	7.
3.	Stroke	1,701	9.	3.	Motor vehicle crash	21,766	11.	3.	Lung cancer	1,379	3.	3.	Lung cancer	8,776	3.
4.	Emphysema	1,246	12.	4.	Suicide	15,976	12.	4.	Emphysema	1,358	14.	4.	Motor vehicle crash	8,644	16.
5.	Pneumonia & influenza	1,155	18.	5.	Liver disease	14,605	9.	5.	Pneumonia & influenza	1,339	20.	5.	Stroke	8,043	2.
6.	Diabetes	996	10.	6.	Drug overdose	14,346	13.	6.	Diabetes	1,126	6.	6.	Diabetes	6,756	6.
7.	Homicide	990	2.	7.	HIV	13,107	14.	7.	Breast cancer	1,052	2.	7.	Homicide	6,296	26.
8.	Prostate cancer	788	25.	8.	Lung cancer	12,160	2.	8.	Colorectal cancer	660	12.	8.	Liver disease	5,454	14.
9.	Liver disease	741	5.	9.	Stroke	8,626	3.	9.	Alzheimer's disease	655	48.	9.	Drug overdose	5,426	24.
10.	Colorectal cancer	655	11.	10.	Diabetes	8,522	6.	10.	High blood pressure & related kidney disease	440	26.	10.	Suicide	4,613	25.

Coronary heart disease and homicide were the leading causes of premature death for men even though the number of coronary heart disease deaths was eight times greater than the number of homicide deaths.

Pneumonia and influenza, and prostate cancer were leading causes of death for men but had less impact on premature death.

Homicide, motor vehicle crashes, and suicide caused one-fourth of the years of life lost among men.

The number of coronary heart disease deaths for men and women was nearly equal, but men lost more than twice as many years of life as women indicating that men die from coronary heart disease at a younger age.

Breast and lung cancer were significant causes of premature death for women.

Emphysema, pneumonia and influenza, Alzheimer's disease, and high blood pressure were leading causes of death for women but were conditions of the elderly and contributed only 4% of the premature deaths.

\*Death before age 75 years.

\*\*Excludes infants less than 1 year of age and persons of unknown age.

Figure 3. Ten leading causes of death and premature death by race/ethnicity

White 33,672 total deaths				Hispanic 11,969 total deaths			
Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	10,016	1.	1.	Coronary heart disease	29,392	1.
2.	Stroke	2,382	8.	2.	Lung cancer	12,190	3.
3.	Lung cancer	1,950	2.	3.	Drug overdose	9,975	18.
4.	Emphysema	1,887	10.	4.	Suicide	9,422	13.
5.	Pneumonia & influenza	1,595	16.	5.	Motor vehicle crash	8,427	20.
6.	<b>Diabetes</b>	840	11.	6.	Liver disease	6,923	12.
7.	Colorectal cancer	763	13.	7.	Breast cancer	5,677	9.
8.	Alzheimer's disease	755	46.	8.	Stroke	4,986	2.
9.	Breast cancer	619	7.	9.	<b>Homicide</b>	4,926	34.
10.	Pancreatic cancer	455	15.	10.	Emphysema	4,919	4.

White 33,672 total deaths				Hispanic 11,969 total deaths			
Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	2,600	3.	1.	<b>Homicide</b>	27,099	4.
2.	Stroke	711	9.	2.	Motor vehicle crash	15,610	7.
3.	<b>Diabetes</b>	678	7.	3.	Coronary heart disease	14,895	1.
4.	<b>Homicide</b>	567	1.	4.	Liver disease	10,439	5.
5.	Liver disease	504	4.	5.	Suicide	6,510	17.
6.	Pneumonia & influenza	383	25.	6.	HIV	6,125	13.
7.	Motor vehicle crash	373	2.	7.	<b>Diabetes</b>	5,826	3.
8.	Lung cancer	363	13.	8.	Drug overdose	5,759	16.
9.	Emphysema	249	28.	9.	Stroke	5,084	2.
10.	<b>Birth defect</b>	216	11.	10.	Leukemia	3,848	21.

Thirty percent of all deaths among whites were caused by coronary heart disease while it caused 16% of the years of life lost.

Drug overdose, suicide, and motor vehicle crashes caused only 3% of the total deaths among whites but 15% of the years of life lost.

Cancer of the lung, colon, breast, and pancreas combined accounted for 11% of the deaths among whites and 14% of the years of life lost.

Among Hispanics, every death from coronary heart disease resulted in an average of six years of life lost whereas every death from homicide resulted in an average of 48 years of life lost.

Homicide, motor vehicle crashes, suicide, HIV infection, and drug overdoses accounted for slightly more than one-tenth of the deaths among Hispanics and more than one-third of the years of life lost.

**Black**  
8,482 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	2,262	2.	1.	Homicide	17,623	4.
2.	Stroke	589	4.	2.	Coronary heart disease	14,518	1.
3.	Lung cancer	455	5.	3.	HIV	4,638	12.
4.	Homicide	393	1.	4.	Stroke	4,202	2.
5.	Diabetes	374	8.	5.	Lung cancer	4,072	3.
6.	Emphysema	293	12.	6.	Motor vehicle crash	3,748	16.
7.	Pneumonia & influenza	269	17.	7.	Drug overdose	3,687	13.
8.	Colorectal cancer	192	13.	8.	Diabetes	3,582	5.
9.	High blood pressure & related kidney disease	165	14.	9.	Suicide	2,279	20.
10.	Prostate cancer	159	24.	10.	Breast cancer	2,152	11.

Homicide caused 17% of the years of life lost among blacks even though it ranked fourth in the number of deaths and caused just 5% of the nearly 8,500 deaths.

For blacks, HIV infection was the third leading cause of years of life lost. The median age at death for those who died of HIV infection was 42 years compared with 24 years for homicide, 77 years for coronary heart disease, and 76 years for stroke.

**Asian/Pacific Islander**  
5,255 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	1,365	1.	1.	Coronary heart disease	5,192	1.
2.	Stroke	473	4.	2.	Motor vehicle crash	2,482	14.
3.	Lung cancer	306	6.	3.	Suicide	2,318	13.
4.	Pneumonia & influenza	236	23.	4.	Stroke	2,311	2.
5.	Diabetes	212	10.	5.	Homicide	2,170	18.
6.	Emphysema	164	25.	6.	Lung cancer	2,078	3.
7.	Liver cancer	159	7.	7.	Liver cancer	1,901	7.
8.	Colorectal cancer	148	9.	8.	Breast cancer	1,725	10.
9.	Stomach cancer	125	11.	9.	Colorectal cancer	1,417	8.
10.	Breast cancer	114	8.	10.	Diabetes	1,202	5.

Cancers were leading causes of death and premature death among Asian/Pacific Islanders.

For Asian/Pacific Islanders, pneumonia and influenza, and emphysema were leading causes of death but had less impact on premature death.

Motor vehicle crashes, suicide, and homicide combined caused 4% of the deaths and 17% of the premature deaths among Asian/Pacific Islanders.

\*Death before age 75 years.

\*\*Excludes infants less than 1 year of age and persons of unknown age.

Mortality in Los Angeles County, 2002

Figure 4. Comparison of the leading causes of death and premature death by race/ethnicity

Leading causes of death

Race/ethnicity Number of deaths Death rate*	#1 cause Number of deaths Death rate*	#2 cause Number of deaths Death rate*	#3 cause Number of deaths Death rate*	#4 cause Number of deaths Death rate*	#5 cause Number of deaths Death rate*
<b>White</b> 33,672 700 per 100,000	<b>Coronary heart disease</b> 10,016 191 per 100,000	<b>Stroke</b> 2,382 44 per 100,000	<b>Lung cancer</b> 1,950 45 per 100,000	<b>Emphysema</b> 1,887 38 per 100,000	<b>Pneumonia and influenza</b> 1,595 28 per 100,000
<b>Hispanic</b> 11,969 540 per 100,000	<b>Coronary heart disease</b> 2,600 143 per 100,000	<b>Stroke</b> 711 38 per 100,000	<b>Diabetes</b> 678 35 per 100,000	<b>Homicide</b> 567 11 per 100,000	<b>Liver disease</b> 504 19 per 100,000
<b>Black</b> 8,482 979 per 100,000	<b>Coronary heart disease</b> 2,262 266 per 100,000	<b>Stroke</b> 589 70 per 100,000	<b>Lung cancer</b> 455 54 per 100,000	<b>Homicide</b> 393 41 per 100,000	<b>Diabetes</b> 374 44 per 100,000
<b>Asian/Pacific Islander</b> 5,255 445 per 100,000	<b>Coronary heart disease</b> 1,365 119 per 100,000	<b>Stroke</b> 473 41 per 100,000	<b>Lung cancer</b> 306 25 per 100,000	<b>Pneumonia and influenza</b> 236 21 per 100,000	<b>Diabetes</b> 212 18 per 100,000
<b>Los Angeles County Total§</b> 59,586 656 per 100,000	<b>Coronary heart disease</b> 16,293 178 per 100,000	<b>Stroke</b> 4,169 46 per 100,000	<b>Lung cancer</b> 3,081 36 per 100,000	<b>Emphysema</b> 2,604 29 per 100,000	<b>Pneumonia and influenza</b> 2,494 26 per 100,000

Leading causes of premature\*\* death

Race/ethnicity	#1 cause	#2 cause	#3 cause	#4 cause	#5 cause
<b>White</b>	<b>Coronary heart disease</b>	<b>Lung cancer</b>	<b>Drug overdose</b>	<b>Suicide</b>	<b>Motor vehicle crash</b>
<b>Hispanic</b>	<b>Homicide</b>	<b>Motor vehicle crash</b>	<b>Coronary heart disease</b>	<b>Liver disease</b>	<b>Suicide</b>
<b>Black</b>	<b>Homicide</b>	<b>Coronary heart disease</b>	<b>HIV</b>	<b>Stroke</b>	<b>Lung cancer</b>
<b>Asian/Pacific Islander</b>	<b>Coronary heart disease</b>	<b>Motor vehicle crash</b>	<b>Suicide</b>	<b>Stroke</b>	<b>Homicide</b>
<b>Los Angeles County Total§</b>	<b>Coronary heart disease</b>	<b>Homicide</b>	<b>Motor vehicle crash</b>	<b>Lung cancer</b>	<b>Suicide</b>

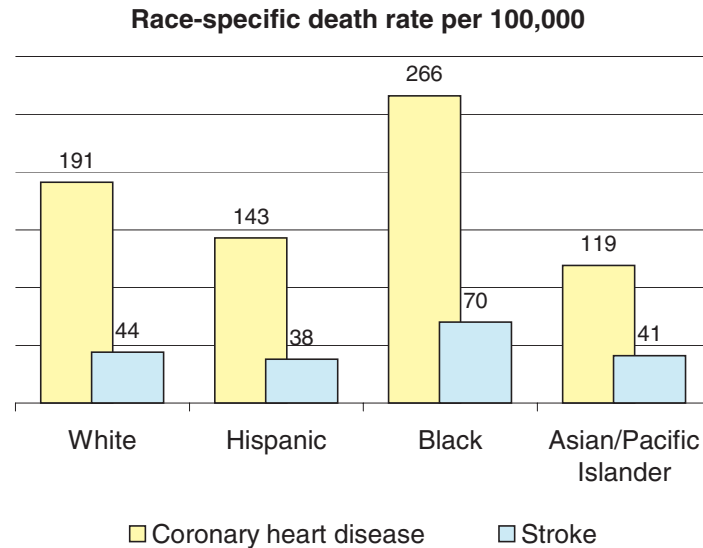
\*Adjusted by age. See definition in Technical Notes.

\*\*Death before age 75 years.

§Includes persons of other or unknown race/ethnicity.

Overall, the years of life lost from the homicide and motor vehicle crashes combined was 28% more than the years of life lost from coronary heart disease even though the number of deaths from coronary heart disease (16,293) was more than eight times the number of homicide and motor vehicle crash deaths (1,999).

For all race/ethnic groups, coronary heart disease and stroke were the leading causes of death. For each cause, the death rate was higher for blacks than other race/ethnic groups. Blacks also had the highest death rate for diabetes, homicide, lung cancer, colorectal cancer, and prostate cancer.



Death rates tended to be lower among Asian/Pacific Islanders compared with other race/ethnic groups.

Diabetes, emphysema, and pneumonia and influenza were important causes of death but contributed less to premature death.

Homicide was the leading cause of premature death for Hispanics and blacks. For both groups, 5% of the deaths were caused by homicide while approximately 16% of the years of life lost were caused by homicide.

The total number of deaths for men and women was almost equal, but the years of life lost for men was almost twice that of women. The median age at death was 72 years for men compared with 80 years for women.

Mortality in Los Angeles County, 2002

Figure 5. Comparison of the leading causes of death and premature death for males by race/ethnicity

**Males: Leading causes of death**

Race/ethnicity Number of deaths Death rate*	#1 cause Number of deaths Death rate*	#2 cause Number of deaths Death rate*	#3 cause Number of deaths Death rate*	#4 cause Number of deaths Death rate*	#5 cause Number of deaths Death rate*
<b>White</b> 16,171 820 per 100,000	<b>Coronary heart disease</b> 4,878 239 per 100,000	<b>Lung cancer</b> 1,034 54 per 100,000	<b>Stroke</b> 932 45 per 100,000	<b>Emphysema</b> 855 42 per 100,000	<b>Pneumonia and influenza</b> 723 34 per 100,000
<b>Hispanic</b> 6,596 662 per 100,000	<b>Coronary heart disease</b> 1,323 174 per 100,000	<b>Homicide</b> 501 19 per 100,000	<b>Liver disease</b> 381 30 per 100,000	<b>Stroke</b> 326 43 per 100,000	<b>Diabetes</b> 319 39 per 100,000
<b>Black</b> 4,338 1,212 per 100,000	<b>Coronary heart disease</b> 1,084 323 per 100,000	<b>Homicide</b> 352 78 per 100,000	<b>Lung cancer</b> 258 73 per 100,000	<b>Stroke</b> 227 67 per 100,000	<b>Diabetes</b> 164 47 per 100,000
<b>Asian/Pacific Islander</b> 2,744 531 per 100,000	<b>Coronary heart disease</b> 714 142 per 100,000	<b>Stroke</b> 209 42 per 100,000	<b>Lung cancer</b> 188 36 per 100,000	<b>Pneumonia and influenza</b> 120 26 per 100,000	<b>Emphysema</b> 111 23 per 100,000
<b>All males§</b> 29,968 783 per 100,000	<b>Coronary heart disease</b> 8,029 219 per 100,000	<b>Lung cancer</b> 1,702 46 per 100,000	<b>Stroke</b> 1,701 47 per 100,000	<b>Emphysema</b> 1,246 35 per 100,000	<b>Pneumonia and influenza</b> 1,155 32 per 100,000

**Males: Leading causes of premature\*\* death**

Race/ethnicity	#1 cause	#2 cause	#3 cause	#4 cause	#5 cause
<b>White</b>	Coronary heart disease	Lung cancer	Suicide	Drug overdose	Motor vehicle crash
<b>Hispanic</b>	Homicide	Motor vehicle crash	Coronary heart disease	Liver disease	Suicide
<b>Black</b>	Homicide	Coronary heart disease	HIV	Motor vehicle crash	Drug overdose
<b>Asian/Pacific Islander</b>	Coronary heart disease	Suicide	Homicide	Liver cancer	Lung cancer
<b>All males§</b>	Coronary heart disease	Homicide	Motor vehicle crash	Suicide	Liver disease

\*Adjusted by age. See definition in Technical Notes.

\*\*Death before age 75 years.

§Includes persons of other or unknown race/ethnicity.

Figure 6. Comparison of the leading causes of death and premature death for females by race/ethnicity

**Females: Leading causes of death**

Race/ethnicity Number of deaths Death rate*	#1 cause Number of deaths Death rate*	#2 cause Number of deaths Death rate*	#3 cause Number of deaths Death rate*	#4 cause Number of deaths Death rate*	#5 cause Number of deaths Death rate*
<b>White</b> 17,501 598 per 100,000	<b>Coronary heart disease</b> 5,138 150 per 100,000	<b>Stroke</b> 1,450 43 per 100,000	<b>Emphysema</b> 1,032 35 per 100,000	<b>Lung cancer</b> 916 38 per 100,000	<b>Pneumonia and influenza</b> 872 25 per 100,000
<b>Hispanic</b> 5,373 445 per 100,000	<b>Coronary heart disease</b> 1,277 119 per 100,000	<b>Stroke</b> 385 35 per 100,000	<b>Diabetes</b> 359 32 per 100,000	<b>Pneumonia and influenza</b> 201 19 per 100,000	<b>Breast cancer</b> 176 13 per 100,000
<b>Black</b> 4,144 802 per 100,000	<b>Coronary heart disease</b> 1,178 224 per 100,000	<b>Stroke</b> 362 70 per 100,000	<b>Diabetes</b> 210 41 per 100,000	<b>Lung cancer</b> 197 40 per 100,000	<b>Breast cancer</b> 150 30 per 100,000
<b>Asian/Pacific Islander</b> 2,511 378 per 100,000	<b>Coronary heart disease</b> 651 99 per 100,000	<b>Stroke</b> 264 40 per 100,000	<b>Lung cancer</b> 118 18 per 100,000	<b>Pneumonia and influenza</b> 116 18 per 100,000	<b>Breast cancer</b> 112 16 per 100,000
<b>All females§</b> 29,618 552 per 100,000	<b>Coronary heart disease</b> 8,264 146 per 100,000	<b>Stroke</b> 2,468 45 per 100,000	<b>Lung cancer</b> 1,379 28 per 100,000	<b>Emphysema</b> 1,358 26 per 100,000	<b>Pneumonia and influenza</b> 1,339 23 per 100,000

**Females: Leading causes of premature\*\* death**

Race/ethnicity	#1 cause	#2 cause	#3 cause	#4 cause	#5 cause
<b>White</b>	Coronary heart disease	Breast cancer	Lung cancer	Drug overdose	Suicide
<b>Hispanic</b>	Coronary heart disease	Motor vehicle crash	Breast cancer	Homicide	Diabetes
<b>Black</b>	Coronary heart disease	Stroke	Breast cancer	Lung cancer	Diabetes
<b>Asian/Pacific Islander</b>	Breast cancer	Stroke	Coronary heart disease	Motor vehicle crash	Lung cancer
<b>All females§</b>	Coronary heart disease	Breast cancer	Lung cancer	Motor vehicle crash	Stroke

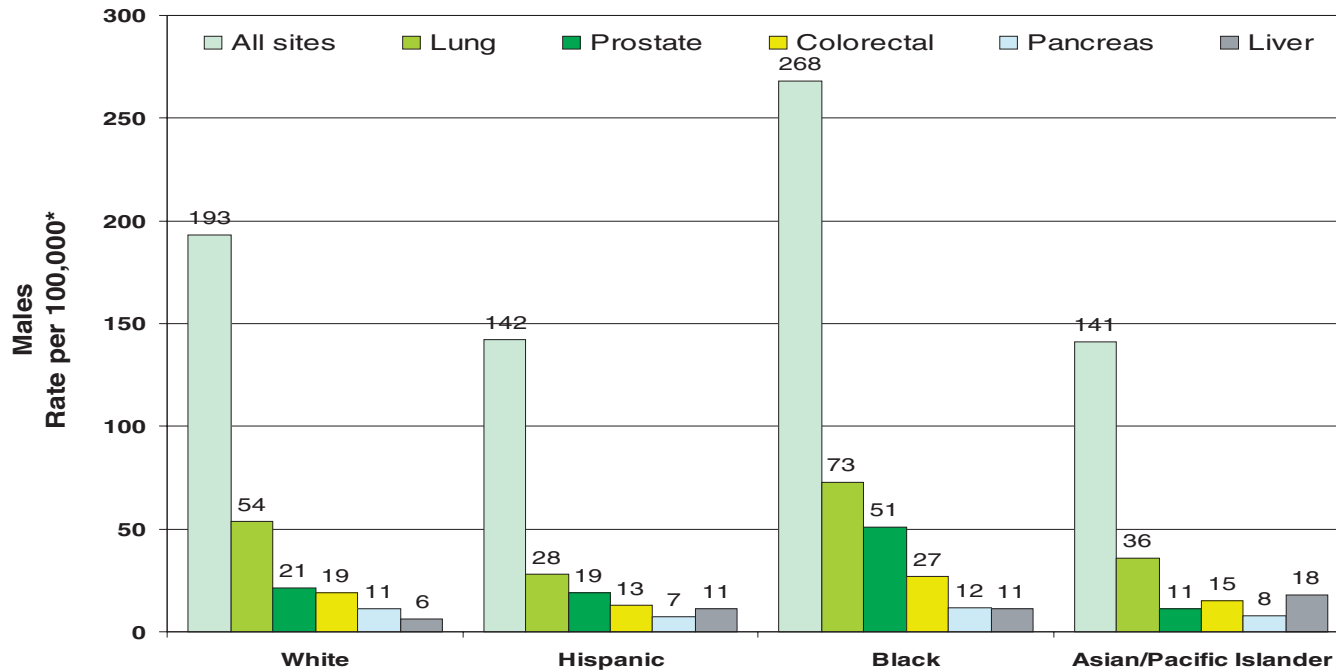
\*Adjusted by age. See definition in Technical Notes.

\*\*Death before age 75 years.

§Includes persons of other or unknown race/ethnicity.

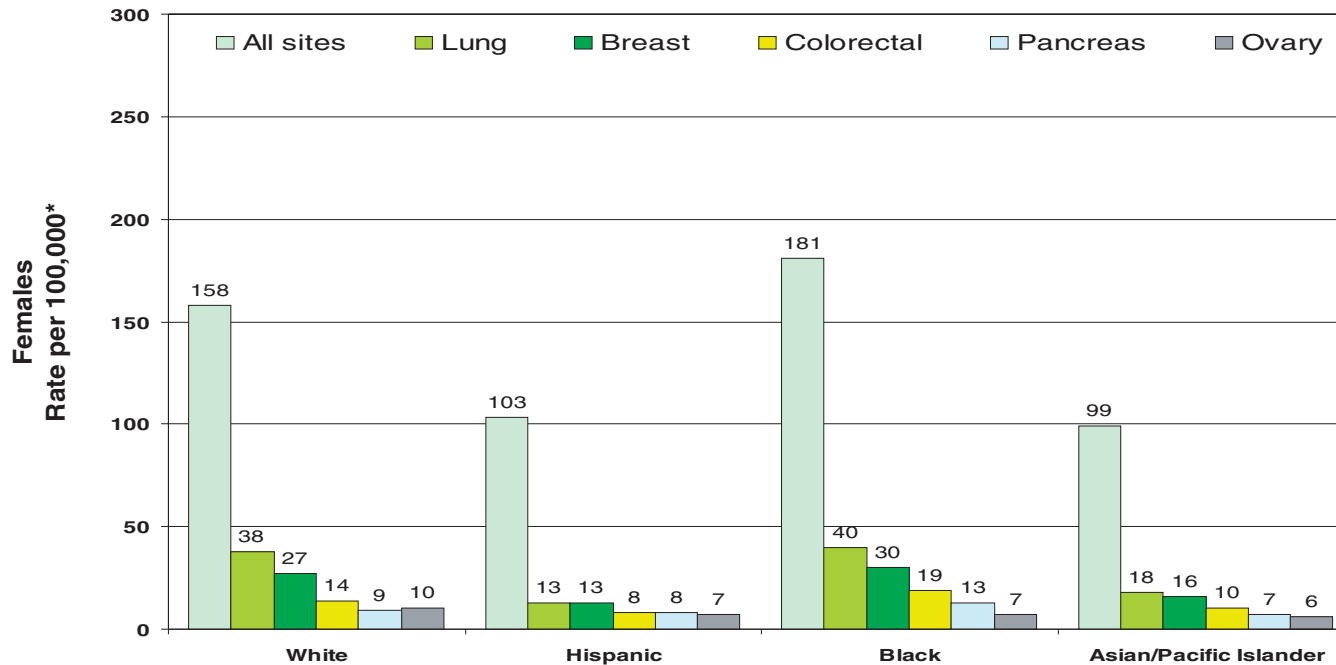


Figure 7. Cancer mortality rates by gender and race/ethnicity



The highest overall cancer death rate was among blacks.

Black males had the highest death rates for lung, prostate, and colorectal cancer. The highest death rate for liver cancer was among Asian/Pacific Islander males.



For women, lung and breast cancer death rates were highest for blacks and whites.

\*Adjusted by age. See definition in Technical Notes.

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Figure 8. Comparison of the leading causes of death by age group

Leading causes of death

Age group Number of deaths Death rate*	#1 cause Number of deaths Death rate*	#2 cause Number of deaths Death rate*	#3 cause Number of deaths Death rate*	#4 cause Number of deaths Death rate*	#5 cause Number of deaths Death rate*
<b>Less than 1 year</b> 825 564 per 100,000	<b>Low birthweight</b> 126 86 per 100,000	<b>Congenital heart defect</b> 74 51 per 100,000	<b>Complication of labor</b> 29 20 per 100,000	<b>Respiratory distress</b> 28 19 per 100,000	<b>Complication of pregnancy</b> 26 18 per 100,000
<b>1-4 years</b> 159 27 per 100,000	<b>Birth defect</b> 23 4 per 100,000	<b>Motor vehicle crash</b> 20 3 per 100,000	<b>Homicide</b> 16 3 per 100,000	<b>Drowning</b> 11 2 per 100,000	<b>Brain cancer</b> 7 1 per 100,000
<b>5-14 years</b> 203 13 per 100,000	<b>Motor vehicle crash</b> 34 2 per 100,000	<b>Birth defect</b> 25 2 per 100,000	<b>Homicide</b> 19 1 per 100,000	<b>Leukemia</b> 15 1 per 100,000	<b>Brain cancer</b> 9 1 per 100,000
<b>15-24 years</b> 1,119 78 per 100,000	<b>Homicide</b> 465 32 per 100,000	<b>Motor vehicle crash</b> 214 15 per 100,000	<b>Suicide</b> 81 6 per 100,000	<b>Drug overdose</b> 36 2 per 100,000	<b>Leukemia</b> 28 2 per 100,000
<b>25-44 years</b> 3,901 127 per 100,000	<b>Homicide</b> 499 16 per 100,000	<b>Drug overdose</b> 299 10 per 100,000	<b>Suicide</b> 268 9 per 100,000	<b>Motor vehicle crash</b> 267 9 per 100,000	<b>HIV</b> 266 9 per 100,000
<b>45-64 years</b> 11,009 555 per 100,000	<b>Coronary heart disease</b> 2,272 115 per 100,000	<b>Lung cancer</b> 821 41 per 100,000	<b>Liver disease</b> 583 29 per 100,000	<b>Stroke</b> 491 25 per 100,000	<b>Diabetes</b> 471 24 per 100,000
<b>65-74 years</b> 9,820 1,959 per 100,000	<b>Coronary heart disease</b> 2,583 515 per 100,000	<b>Lung cancer</b> 906 181 per 100,000	<b>Stroke</b> 656 131 per 100,000	<b>Emphysema</b> 527 105 per 100,000	<b>Diabetes</b> 508 101 per 100,000
<b>75+ years</b> 32,539 5,891 per 100,000	<b>Coronary heart disease</b> 11,165 2,021 per 100,000	<b>Stroke</b> 2,906 526 per 100,000	<b>Pneumonia and influenza</b> 2,027 367 per 100,000	<b>Emphysema</b> 1,807 327 per 100,000	<b>Lung cancer</b> 1,305 236 per 100,000
<b>Los Angeles County Total§</b> 59,586 656 per 100,000	<b>Coronary heart disease</b> 16,293 178 per 100,000	<b>Stroke</b> 4,169 46 per 100,000	<b>Lung cancer</b> 3,081 36 per 100,000	<b>Emphysema</b> 2,604 29 per 100,000	<b>Pneumonia and influenza</b> 2,494 26 per 100,000

Injuries (homicide, accidents, suicide) were leading causes of death in persons aged 1-44 years; 42% of all deaths among persons aged 15-44 years were caused by injuries.

Forty-five percent of all deaths were among persons younger than 75 years of age.

Sixty-nine percent of coronary heart disease deaths, 70% of stroke deaths, 42% of lung cancer deaths, 69% of emphysema deaths, and 81% of pneumonia and influenza deaths were among persons aged 75 years or older. Conversely, 33% of breast cancer deaths, 12% of suicide deaths, 11% of motor vehicle crash deaths, 1% of homicide deaths, and less than 1% of HIV deaths were among persons aged 75 years or older.

\*Age-specific death rate per 100,000 people.  
§Includes persons of unknown age. Rate adjusted by age. See definition in Technical Notes.

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Figure 9. Leading causes of death for males by age group and race/ethnicity

	Race/ethnicity	#1 Cause	#2 Cause	#3 Cause
	Number of deaths*	Number of deaths	Number of deaths	Number of deaths
<b>0-14 years</b> 662**	<b>White</b> 127	Perinatal period condition 46	<b>Birth defect</b> 28	Motor vehicle crash 7
	<b>Hispanic</b> 344	Perinatal period condition 107	<b>Birth defect</b> 88	Motor vehicle crash 20
	<b>Black</b> 137	Perinatal period condition 62	<b>Birth defect</b> 11	<b>Homicide</b> 8
	<b>Asian/Pacific Islander</b> 52	Perinatal period condition 16	<b>Birth defect</b> 10	Motor vehicle crash 3
<b>15-24 years</b> 891**	<b>White</b> 148	Motor vehicle crash 42	<b>Homicide</b> 23	Suicide 20
	<b>Hispanic</b> 502	<b>Homicide</b> 255	Motor vehicle crash 93	Suicide 32
	<b>Black</b> 183	<b>Homicide</b> 133	Motor vehicle crash 18	Suicide 5
	<b>Asian/Pacific Islander</b> 52	<b>Homicide</b> 19	Motor vehicle crash 12	Suicide 8
<b>25-44 years</b> 2,669**	<b>White</b> 800	Drug overdose 112	Suicide 84	Coronary heart disease 79
	<b>Hispanic</b> 1,121	<b>Homicide</b> 203	HIV 100	Motor vehicle crash 97
	<b>Black</b> 574	<b>Homicide</b> 169	HIV 61	Coronary heart disease 52
	<b>Asian/Pacific Islander</b> 158	Coronary heart disease 25	Suicide 20	Motor vehicle crash 11
<b>45-64 years</b> 6,679**	<b>White</b> 3,128	Coronary heart disease 831	Lung cancer 288	Liver disease 161
	<b>Hispanic</b> 1,663	Coronary heart disease 350	Liver disease 218	<b>Diabetes</b> 89
	<b>Black</b> 1,272	Coronary heart disease 313	Lung cancer 98	Stroke 64
	<b>Asian/Pacific Islander</b> 593	Coronary heart disease 132	Lung cancer 60	Liver cancer 45

**Males**

<b>65-74 years</b> 5,387**	<b>White</b> 2,193	Coronary heart disease 834	Lung cancer 321	Emphysema 188
	<b>Hispanic</b> 1,100	Coronary heart disease 313	<b>Diabetes</b> 91	Stroke 74
	<b>Black</b> 838	Coronary heart disease 265	Lung cancer 79	Stroke 57
	<b>Asian/Pacific Islander</b> 507	Coronary heart disease 133	Stroke 41	Lung cancer 40
<b>75+ years</b> 13,672**	<b>White</b> 9,052	Coronary heart disease 3,131	Stroke 676	Pneumonia and influenza 588
	<b>Hispanic</b> 1,864	Coronary heart disease 598	Stroke 153	Pneumonia and influenza 129
	<b>Black</b> 1,334	Coronary heart disease 452	Prostate cancer 97	Stroke 95
	<b>Asian/Pacific Islander</b> 1,382	Coronary heart disease 424	Stroke 127	Pneumonia and influenza 100

**A**lmost all perinatal period condition deaths were among infants less than one year of age. Specific conditions included prematurity/low birthweight; complications of the placenta, umbilical cord, or membranes; respiratory distress; and maternal complications of pregnancy.

**M**ost deaths from birth defects were among infants less than one year of age. Congenital heart defects were the most common.

**H**omicide, suicide, and motor vehicle crashes caused 74% of all deaths among adolescent and young adult males (15-24 years).

**T**he homicide rate for black males aged 15-24 years was 196 per 100,000 compared with 11 per 100,000 for the county overall, 19 per 100,000 for all males, 41 per 100,000 for all blacks, and 78 per 100,000 for black males of all ages.

**A**mong males, 85% of all homicides and almost half (48%) of all suicides were committed with a gun. Among elderly men (75 years or older), 71% of suicides were committed with a gun.

**C**oronary heart disease was an important cause of death for males 25-44 years of age and the leading cause of death for males over the age of 44 years.

**S**troke, and pneumonia and influenza were important causes of death among the elderly.

\*Deaths from all causes in age and race/ethnic group.

\*\*Deaths from all causes in age group. Includes persons of unknown race/ethnicity.

Mortality in Los Angeles County, 2002

Figure 10. Leading causes of death for females by age group and race/ethnicity

	Race/ethnicity	#1 Cause	#2 Cause	#3 Cause
	Number of deaths*	Number of deaths	Number of deaths	Number of deaths
<b>0-14 years</b> 525**	<b>White</b> 88	Perinatal period condition 32	<b>Birth defect</b> 22	Leukemia 4
	<b>Hispanic</b> 310	Perinatal period condition 96	<b>Birth defect</b> 89	Motor vehicle crash 13
	<b>Black</b> 81	Perinatal period condition 37	<b>Birth defect</b> 10	Motor vehicle crash 4
	<b>Asian/Pacific Islander</b> 45	Perinatal period condition 12	<b>Birth defect</b> 11	Motor vehicle crash 3
<b>15-24 years</b> 228**	<b>White</b> 58	Motor vehicle crash 14	Drug overdose 10	Suicide 8
	<b>Hispanic</b> 108	Motor vehicle crash 25	<b>Homicide</b> 16	Leukemia 8
	<b>Black</b> 39	<b>Homicide</b> 11	Motor vehicle crash 4	Insufficient number
	<b>Asian/Pacific Islander</b> 22	Motor vehicle crash 4	<b>Homicide</b> 4	Suicide 3
<b>25-44 years</b> 1,232**	<b>White</b> 440	Drug overdose 42	Breast cancer 35	Suicide 34
	<b>Hispanic</b> 386	Motor vehicle crash 33	<b>Homicide</b> 25	Breast cancer 25
	<b>Black</b> 310	HIV 29	Stroke 21	Breast cancer 21
	<b>Asian/Pacific Islander</b> 91	Motor vehicle crash 10	Breast cancer 9	Stroke 8
<b>45-64 years</b> 4,330**	<b>White</b> 1,907	Coronary heart disease 243	Lung cancer 193	Breast cancer 187
	<b>Hispanic</b> 1,054	Coronary heart disease 163	Breast cancer 88	<b>Diabetes</b> 83
	<b>Black</b> 930	Coronary heart disease 189	Lung cancer 69	Breast cancer 58
	<b>Asian/Pacific Islander</b> 422	Breast cancer 62	Coronary heart disease 43	Stroke 34

**Females**

<b>65-74 years</b> 4,433**	<b>White</b> 2,308	Coronary heart disease 494	Lung cancer 260	Emphysema 195
	<b>Hispanic</b> 934	Coronary heart disease 214	<b>Diabetes</b> 89	Stroke 65
	<b>Black</b> 746	Coronary heart disease 219	Lung cancer 68	Stroke 62
	<b>Asian/Pacific Islander</b> 423	Coronary heart disease 97	Stroke 60	Lung cancer 34
<b>75+ years</b> 18,867**	<b>White</b> 12,699	Coronary heart disease 4,385	Stroke 1,228	Emphysema 772
	<b>Hispanic</b> 2,580	Coronary heart disease 889	Stroke 234	<b>Diabetes</b> 169
	<b>Black</b> 2,037	Coronary heart disease 750	Stroke 221	Pneumonia and influenza 116
	<b>Asian/Pacific Islander</b> 1,508	Coronary heart disease 511	Stroke 162	Pneumonia and influenza 98

**A**lmost all perinatal period condition deaths were among infants less than one year of age. Specific conditions included prematurity/low birthweight; complications of the placenta, umbilical cord, or membranes; respiratory distress; and maternal complications of pregnancy.

**M**ost deaths from birth defects were among infants less than one year of age. Congenital heart defects were the most common.

**B**reast cancer was a leading cause of death for women 25-64 years of age and lung cancer was a leading cause of death for women 45-74 years of age.

**O**verall, 19% of all women who died were between the ages of 25 and 64 years. Of the women who died of breast cancer, 46% were between the ages of 25 and 64 years.

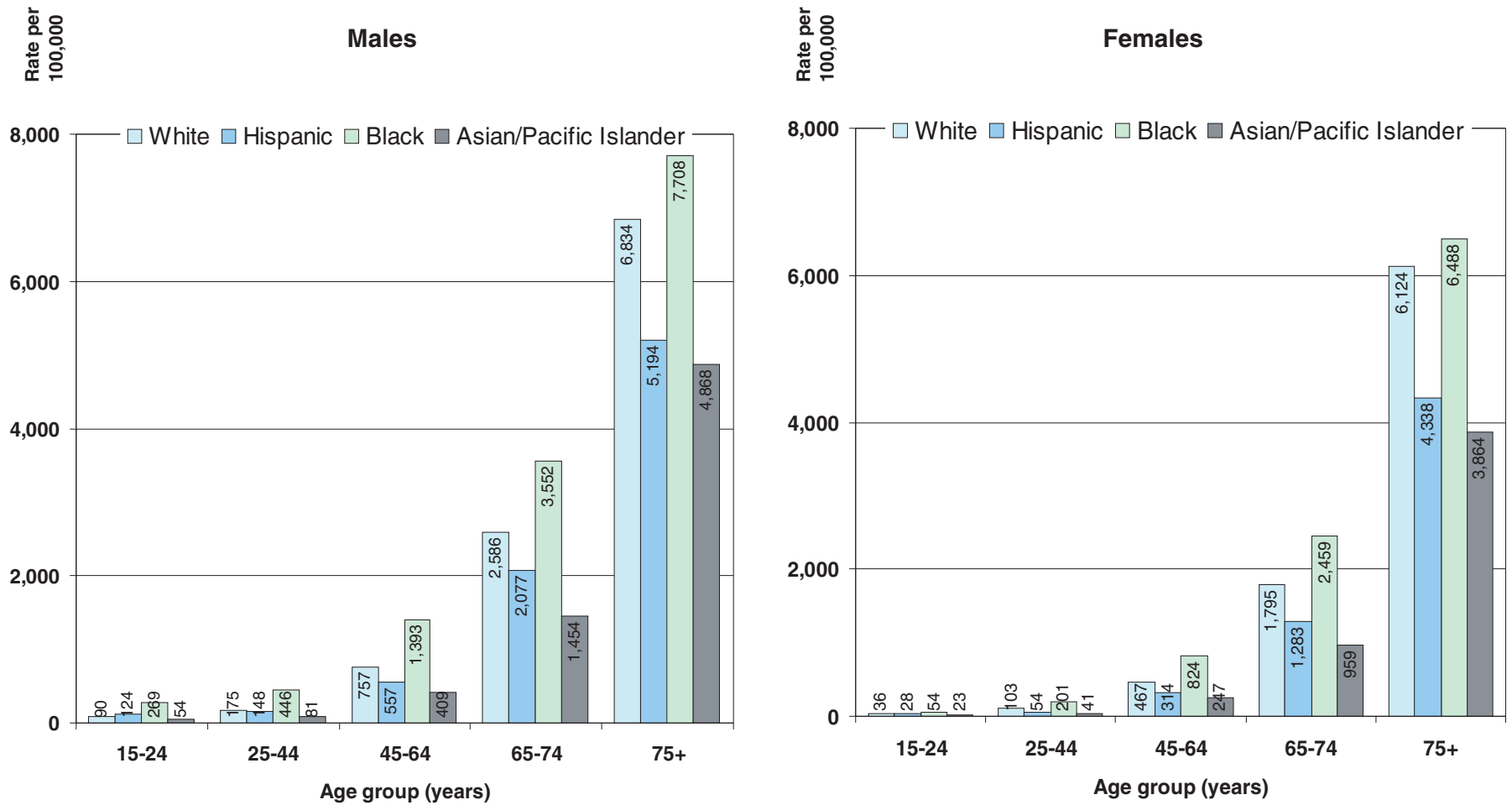
**C**oronary heart disease was a leading cause of death for women over the age of 44 years.

**T**he death rate among males aged 15-24 (121 per 100,000) was almost four times greater than the death rate among similarly aged women (32 per 100,000).

\*Deaths from all causes in age and race/ethnic group.

\*\*Deaths from all causes in age group. Includes persons of unknown race/ethnicity.

Figure 11. Age-specific death rates by gender and race/ethnicity



For both males and females, death rates increased with age.

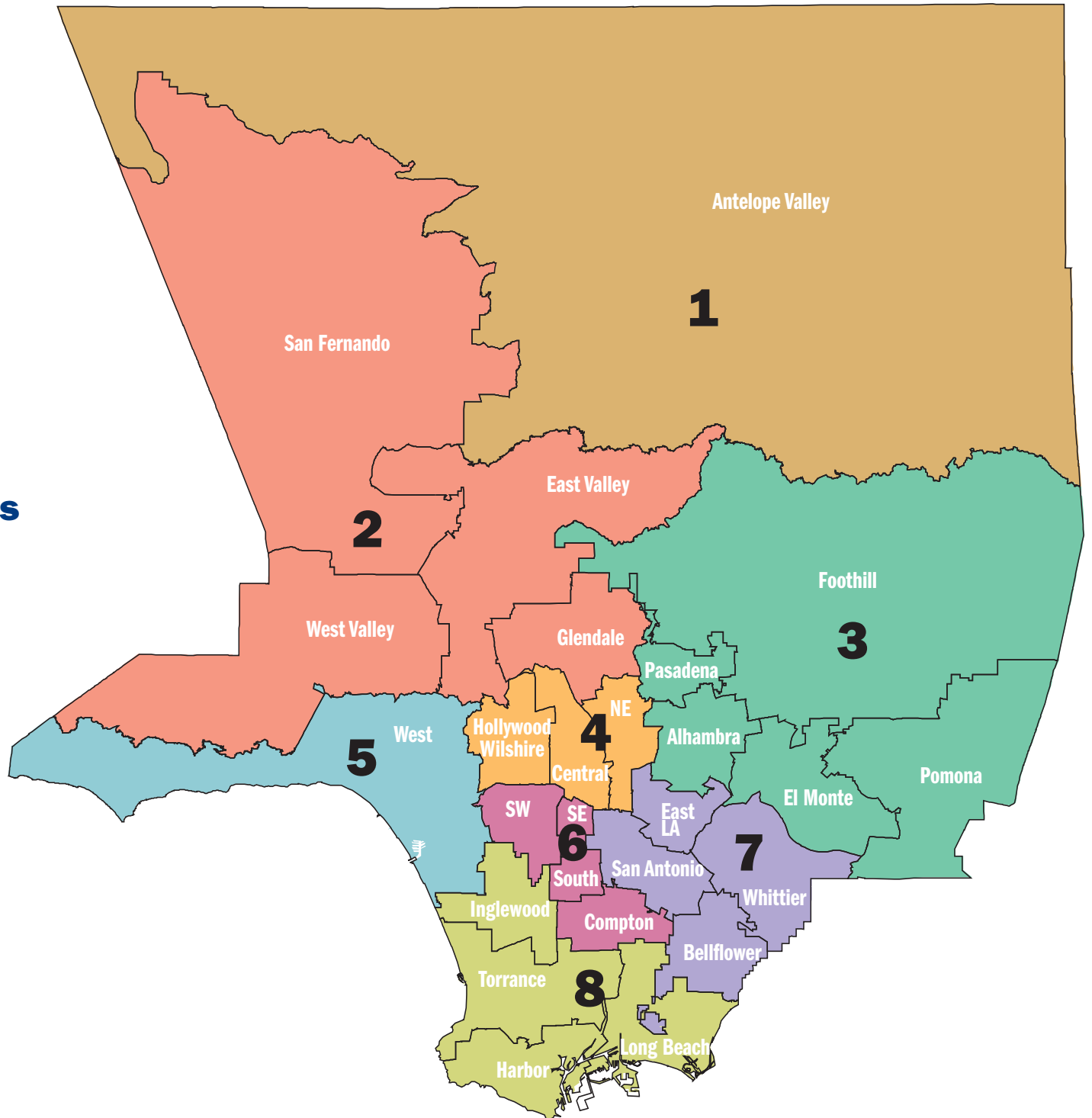
Black males and females had the highest death rate in every age group. Asian/Pacific Islanders had the lowest rates.

Death rates for females were lower than males in every age group and for all race/ethnic groups.



## Health District and Service Planning Area (SPA) Boundaries

- SPA 1 Antelope Valley
- SPA 2 San Fernando
- SPA 3 San Gabriel
- SPA 4 Metro
- SPA 5 West
- SPA 6 South
- SPA 7 East
- SPA 8 South Bay includes Catalina Island



Health Districts are outlined and labeled.

Figure 12. Leading causes of death and premature death by service planning area (SPA) or residence

**Antelope Valley (SPA 1)**

1,961 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	500	1.	1.	Coronary heart disease	2,638	1.
2.	Emphysema	125	11.	2.	Motor vehicle crash	2,558	6.
3.	Lung cancer	109	5.	3.	Homicide	1,177	15.
4.	Stroke	106	9.	4.	Suicide	999	10.
5.	Diabetes	71	8.	5.	Lung cancer	944	3.

**San Fernando Valley (SPA 2)**

12,229 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	3,550	1.	1.	Coronary heart disease	11,492	1.
2.	Stroke	840	9.	2.	Homicide	6,480	14.
3.	Lung cancer	665	4.	3.	Motor vehicle crash	6,403	10.
4.	Pneumonia & influenza	529	25.	4.	Lung cancer	4,670	3.
5.	Emphysema	519	15.	5.	Drug overdose	4,343	18.

**San Gabriel (SPA 3)**

10,827 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	2,972	1.	1.	Coronary heart disease	10,252	1.
2.	Stroke	806	6.	2.	Homicide	4,828	19.
3.	Lung cancer	544	4.	3.	Motor vehicle crash	4,722	14.
4.	Emphysema	494	14.	4.	Lung cancer	3,614	3.
5.	Pneumonia & influenza	483	21.	5.	Suicide	3,563	16.

**Metro (SPA 4)**

6,726 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	1,855	1.	1.	Coronary heart disease	7,163	1.
2.	Stroke	462	10.	2.	Homicide	6,524	9.
3.	Pneumonia & influenza	344	17.	3.	HIV	3,907	10.
4.	Lung cancer	294	9.	4.	Liver disease	3,067	7.
5.	Diabetes	276	8.	5.	Suicide	2,771	13.

### West (SPA 5)

4,287 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	1,056	1.	1.	Coronary heart disease	2,899	1.
2.	Stroke	379	9.	2.	Drug overdose	1,718	17.
3.	Lung cancer	255	4.	3.	Homicide	1,445	20.
4.	Pneumonia & influenza	230	21.	4.	Lung cancer	1,321	3.
5.	Emphysema	191	19.	5.	Suicide	1,292	11.

### South (SPA 6)

6,174 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	1,606	2.	1.	Homicide	16,490	3.
2.	Stroke	403	4.	2.	Coronary heart disease	9,532	1.
3.	Homicide	355	1.	3.	Motor vehicle crash	4,578	10.
4.	Lung cancer	300	8.	4.	Stroke	2,875	2.
5.	Diabetes	286	7.	5.	HIV	2,776	14.

### East (SPA 7)

7,273 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	1,976	1.	1.	Coronary heart disease	7,989	1.
2.	Stroke	513	5.	2.	Homicide	6,273	9.
3.	Diabetes	350	7.	3.	Motor vehicle crash	4,147	11.
4.	Lung cancer	339	8.	4.	Liver disease	3,578	7.
5.	Emphysema	335	14.	5.	Stroke	2,430	2.

### South Bay (SPA 8)

9,759 total deaths

Leading causes of death				Leading causes of premature* death			
Rank	Cause of death	No. of deaths	Premature death rank	Rank	Cause of death	Years of life lost**	Death rank
1.	Coronary heart disease	2,704	1.	1.	Coronary heart disease	11,570	1.
2.	Stroke	651	10.	2.	Homicide	8,423	8.
3.	Lung cancer	567	3.	3.	Lung cancer	4,055	3.
4.	Emphysema	489	12.	4.	Motor vehicle crash	3,977	15.
5.	Pneumonia & influenza	375	16.	5.	Suicide	3,707	13.

Coronary heart disease was the leading cause of death and premature death in every service planning area except for the South Service Planning Area in which homicide was the leading cause of premature death and one of the leading causes of death.

Stroke was the second leading cause of death in every service planning area except the Antelope Valley Service Planning Area in which emphysema was the second leading cause of death.

\*Death before age 75 years.

\*\*Excludes infants less than 1 year of age and persons of unknown age.

Mortality in Los Angeles County, 2002

Figure 13. Comparison of the leading causes of death and premature death by service planning area (SPA) of residence

Leading causes of death

Service Planning Area Number of deaths Death rate*	#1 cause Number of deaths Death rate*	#2 cause Number of deaths Death rate*	#3 cause Number of deaths Death rate*	#4 cause Number of deaths Death rate*	#5 cause Number of deaths Death rate*
<b>SPA 1: Antelope Valley</b> 1,961 808 per 100,000	<b>Coronary heart disease</b> 500 217 per 100,000	<b>Emphysema</b> 125 56 per 100,000	<b>Lung cancer</b> 109 46 per 100,000	<b>Stroke</b> 106 46 per 100,000	<b>Diabetes</b> 71 30 per 100,000
<b>SPA 2: San Fernando Valley</b> 12,229 612 per 100,000	<b>Coronary heart disease</b> 3,550 174 per 100,000	<b>Stroke</b> 840 42 per 100,000	<b>Lung cancer</b> 665 35 per 100,000	<b>Pneumonia and influenza</b> 529 25 per 100,000	<b>Emphysema</b> 519 26 per 100,000
<b>SPA 3: San Gabriel</b> 10,827 615 per 100,000	<b>Coronary heart disease</b> 2,972 166 per 100,000	<b>Stroke</b> 806 45 per 100,000	<b>Lung cancer</b> 544 33 per 100,000	<b>Emphysema</b> 494 29 per 100,000	<b>Pneumonia and influenza</b> 483 26 per 100,000
<b>SPA 4: Metro</b> 6,726 620 per 100,000	<b>Coronary heart disease</b> 1,855 169 per 100,000	<b>Stroke</b> 462 42 per 100,000	<b>Pneumonia and influenza</b> 344 30 per 100,000	<b>Lung cancer</b> 294 29 per 100,000	<b>Diabetes</b> 276 27 per 100,000
<b>SPA 5: West</b> 4,287 536 per 100,000	<b>Coronary heart disease</b> 1,056 125 per 100,000	<b>Stroke</b> 379 43 per 100,000	<b>Lung cancer</b> 255 35 per 100,000	<b>Pneumonia and influenza</b> 230 25 per 100,000	<b>Emphysema</b> 191 23 per 100,000
<b>SPA 6: South</b> 6,174 886 per 100,000	<b>Coronary heart disease</b> 1,606 245 per 100,000	<b>Stroke</b> 403 61 per 100,000	<b>Homicide</b> 355 34 per 100,000	<b>Lung cancer</b> 300 47 per 100,000	<b>Diabetes</b> 286 43 per 100,000
<b>SPA 7: East</b> 7,273 654 per 100,000	<b>Coronary heart disease</b> 1,976 180 per 100,000	<b>Stroke</b> 513 47 per 100,000	<b>Diabetes</b> 350 32 per 100,000	<b>Lung cancer</b> 339 32 per 100,000	<b>Emphysema</b> 335 31 per 100,000
<b>SPA 8: South Bay</b> 9,759 690 per 100,000	<b>Coronary heart disease</b> 2,704 192 per 100,000	<b>Stroke</b> 651 46 per 100,000	<b>Lung cancer</b> 567 42 per 100,000	<b>Emphysema</b> 489 35 per 100,000	<b>Pneumonia and influenza</b> 375 26 per 100,000
<b>Los Angeles County Total§</b> 59,586 656 per 100,000	<b>Coronary heart disease</b> 16,293 178 per 100,000	<b>Stroke</b> 4,169 46 per 100,000	<b>Lung cancer</b> 3,081 36 per 100,000	<b>Emphysema</b> 2,604 29 per 100,000	<b>Pneumonia and influenza</b> 2,494 26 per 100,000

## Leading causes of premature\*\* death

Service Planning Area	#1 cause	#2 cause	#3 cause	#4 cause	#5 cause
SPA 1: Antelope Valley	Coronary heart disease	Motor vehicle crash	Homicide	Suicide	Lung cancer
SPA 2: San Fernando Valley	Coronary heart disease	Homicide	Motor vehicle crash	Lung cancer	Drug overdose
SPA 3: San Gabriel	Coronary heart disease	Homicide	Motor vehicle crash	Lung cancer	Suicide
SPA 4: Metro	Coronary heart disease	Homicide	HIV	Liver disease	Suicide
SPA 5: West	Coronary heart disease	Drug overdose	Homicide	Lung cancer	Suicide
SPA 6: South	Homicide	Coronary heart disease	Motor vehicle crash	Stroke	HIV
SPA 7: East	Coronary heart disease	Homicide	Motor vehicle crash	Liver disease	Stroke
SPA 8: South Bay	Coronary heart disease	Homicide	Lung cancer	Motor vehicle crash	Suicide
Los Angeles County Total§	Coronary heart disease	Homicide	Motor vehicle crash	Lung cancer	Suicide

Injuries (homicide, motor vehicle crash, drug overdose, and suicide) were important causes of premature death in every service planning area.

Emphysema, pneumonia and influenza, and diabetes were leading causes of death in every service planning area but were not major contributors to years of life lost.

HIV and liver disease were significant contributors to years of life lost even though the number of deaths was relatively small highlighting the impact of deaths among younger persons.

\*Adjusted by age. See definition in Technical Notes.

\*\*Death before age 75 years.

§Includes persons with unknown residence.

Figure 14. Comparison of the leading causes of premature death by service planning area (SPA) of residence and gender

**Males: Leading causes of premature\* death**

Service Planning Area	#1 cause	#2 cause	#3 cause	#4 cause	#5 cause
SPA 1: Antelope Valley	Motor vehicle crash	Coronary heart disease	Homicide	Lung cancer	Suicide
SPA 2: San Fernando Valley	Coronary heart disease	Homicide	Motor vehicle crash	Suicide	Drug overdose
SPA 3: San Gabriel	Coronary heart disease	Homicide	Motor vehicle crash	Suicide	Lung cancer
SPA 4: Metro	Homicide	Coronary heart disease	HIV	Liver disease	Suicide
SPA 5: West	Coronary heart disease	Homicide	Drug overdose	Suicide	Liver disease
SPA 6: South	Homicide	Coronary heart disease	Motor vehicle crash	HIV	Liver disease
SPA 7: East	Coronary heart disease	Homicide	Motor vehicle crash	Liver disease	Suicide
SPA 8: South Bay	Coronary heart disease	Homicide	Suicide	Motor vehicle crash	Drug overdose
All males§	Coronary heart disease	Homicide	Motor vehicle crash	Suicide	Liver disease

## Females: Leading causes of premature\* death

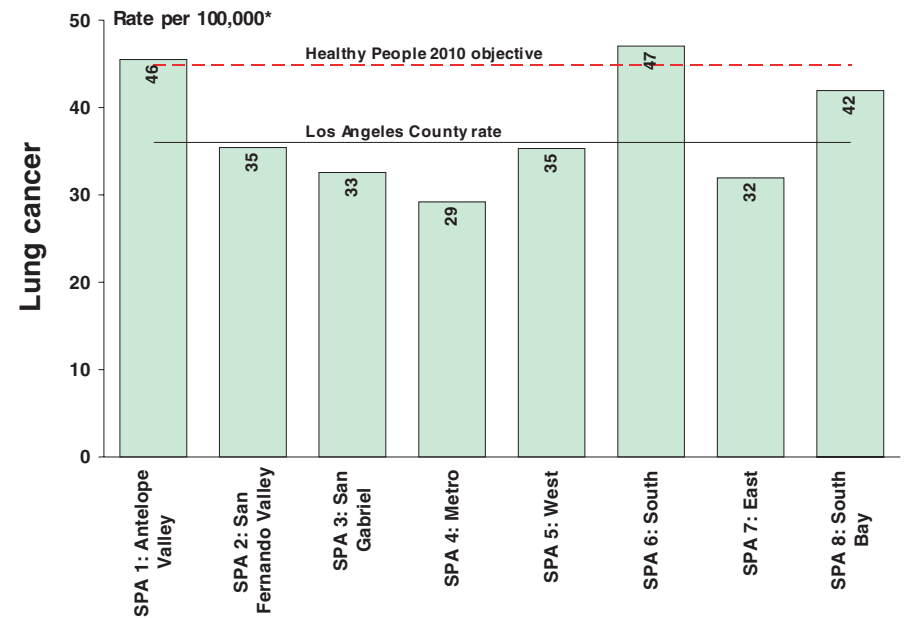
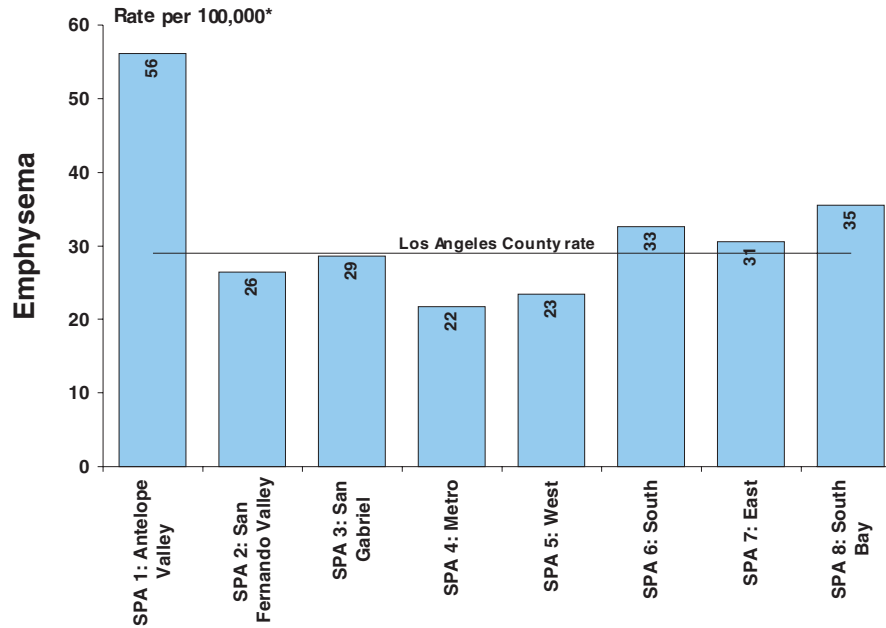
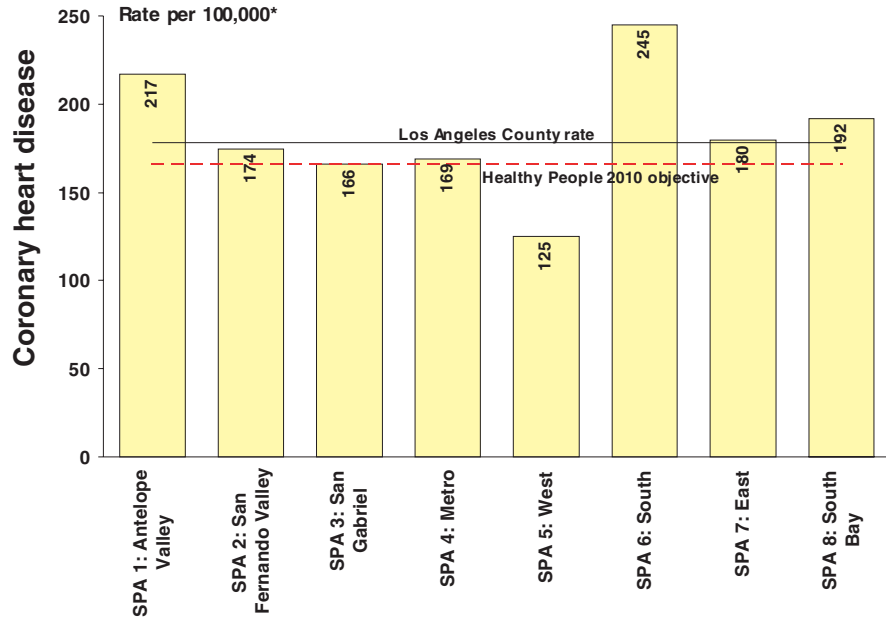
Service Planning Area	#1 cause	#2 cause	#3 cause	#4 cause	#5 cause
SPA 1: Antelope Valley	Coronary heart disease	Motor vehicle crash	Drug overdose	Suicide	Birth defect
SPA 2: San Fernando Valley	Breast cancer	Coronary heart disease	Motor vehicle crash	Lung cancer	Stroke
SPA 3: San Gabriel	Breast cancer	Coronary heart disease	Stroke	Lung cancer	Motor vehicle crash
SPA 4: Metro	Coronary heart disease	Breast cancer	Diabetes	Lung cancer	Liver disease
SPA 5: West	Coronary heart disease	Breast cancer	Drug overdose	Lung cancer	Suicide
SPA 6: South	Coronary heart disease	Motor vehicle crash	Stroke	Homicide	Breast cancer
SPA 7: East	Coronary heart disease	Breast cancer	Stroke	Motor vehicle crash	Diabetes
SPA 8: South Bay	Coronary heart disease	Lung cancer	Breast cancer	Diabetes	Stroke
All females§	Coronary heart disease	Breast cancer	Lung cancer	Motor vehicle crash	Stroke

\*Death before age 75 years.

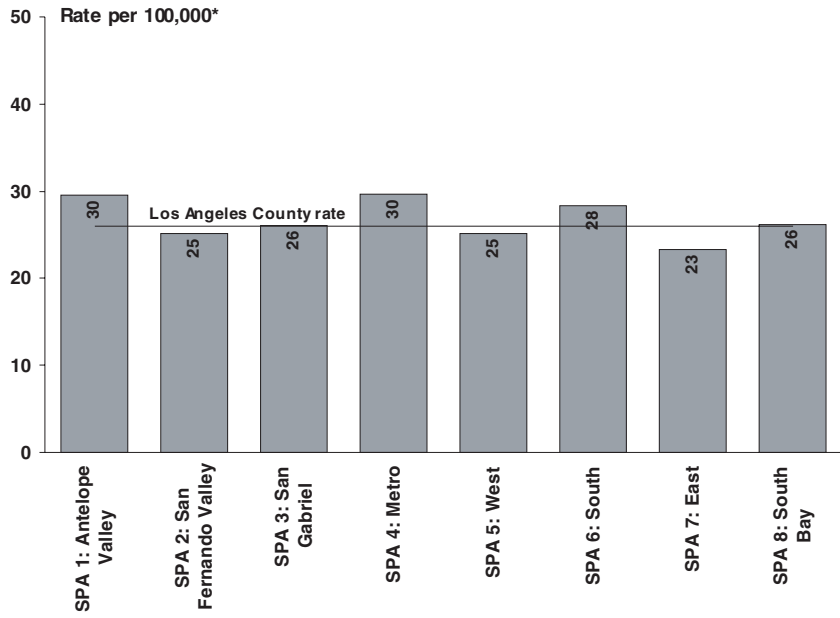
§Includes persons with unknown residence.



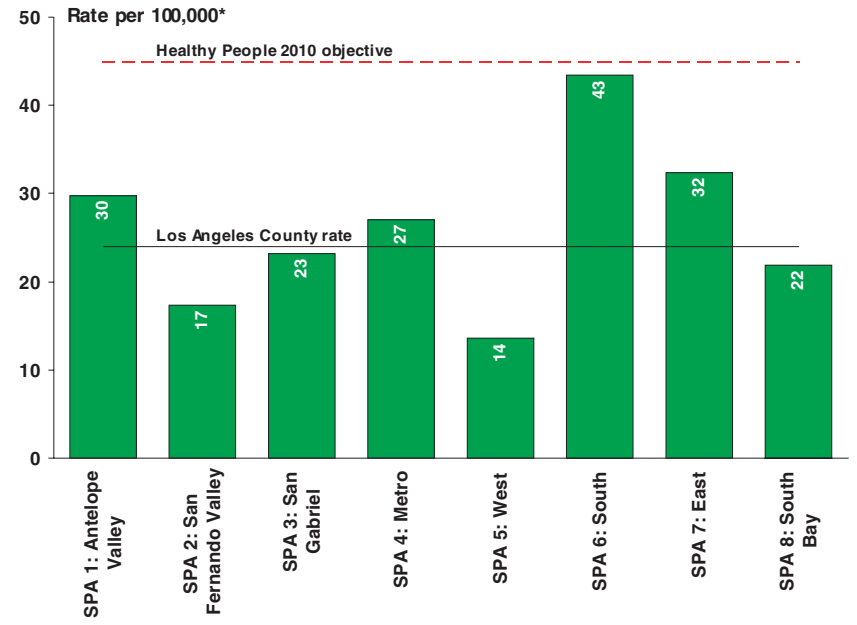
Figure 15. Death rates by service planning area (SPA) of residence for selected causes of death



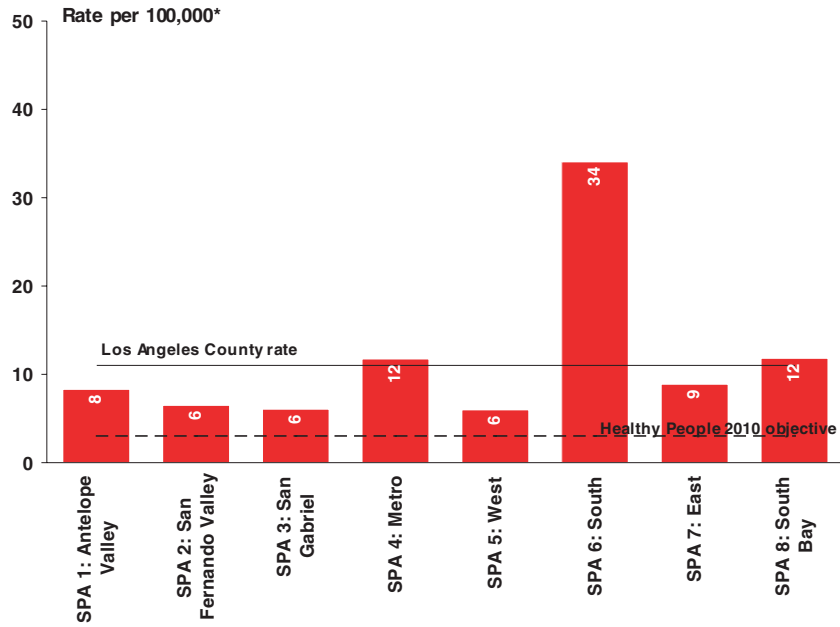
### Pneumonia and influenza



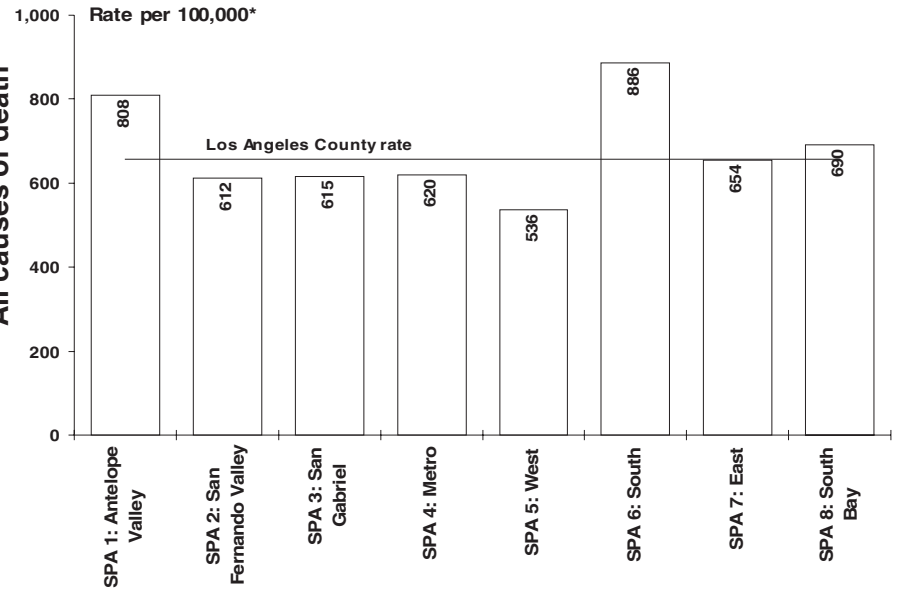
### Diabetes



### Homicide



### All causes of death



\*Adjusted by age. See definition in Technical Notes.

Figure 16. Comparison of the leading causes of death by health district of residence

Leading causes of death

Health District Number of deaths Death rate*	#1 cause Number of deaths	#2 cause Number of deaths	#3 cause Number of deaths	#4 cause Number of deaths	#5 cause Number of deaths
<b>Alhambra</b> 2,381 542 per 100,000	Coronary heart disease 686	Stroke 186	Pneumonia and influenza 119	Lung cancer 110	Emphysema 99
<b>Antelope Valley</b> 1,961 808 per 100,000	Coronary heart disease 500	Emphysema 125	Lung cancer 109	Stroke 106	Diabetes 71
<b>Bellflower</b> 2,181 679 per 100,000	Coronary heart disease 618	Stroke 153	Lung cancer 122	Emphysema 108	Diabetes 103
<b>Central</b> 1,823 608 per 100,000	Coronary heart disease 497	Stroke 124	Pneumonia and influenza 82	Emphysema 82	Lung cancer 78
<b>Compton</b> 1,543 878 per 100,000	Coronary heart disease 384	Homicide 101	Stroke 99	Lung cancer 77	Diabetes 68
<b>East Los Angeles</b> 1,181 652 per 100,000	Coronary heart disease 338	Stroke 81	Diabetes 63	Liver disease 41	Pneumonia and influenza 41
<b>East Valley</b> 2,472 659 per 100,000	Coronary heart disease 719	Stroke 162	Lung cancer 125	Emphysema 109	Diabetes 79
<b>El Monte</b> 2,073 618 per 100,000	Coronary heart disease 526	Stroke 127	Diabetes 101	Lung cancer 96	Pneumonia and influenza 89
<b>Foothill</b> 2,180 650 per 100,000	Coronary heart disease 641	Stroke 172	Lung cancer 119	Emphysema 118	Pneumonia and influenza 111
<b>Glendale</b> 2,504 578 per 100,000	Coronary heart disease 696	Stroke 188	Lung cancer 146	Pneumonia and influenza 126	Emphysema 116
<b>Harbor</b> 1,344 632 per 100,000	Coronary heart disease 331	Lung cancer 92	Stroke 86	Pneumonia and influenza 50	Emphysema 49
<b>Hollywood/Wilshire</b> 3,294 629 per 100,000	Coronary heart disease 914	Stroke 234	Pneumonia and influenza 179	Lung cancer 158	Diabetes 125
<b>Inglewood</b> 2,260 723 per 100,000	Coronary heart disease 598	Stroke 148	Lung cancer 116	Diabetes 98	Pneumonia and influenza 84

<b>Long Beach</b> 3,152 757 per 100,000	Coronary heart disease 994	Stroke 217	Emphysema 193	Lung cancer 161	Pneumonia and influenza 104
<b>Northeast</b> 1,609 612 per 100,000	Coronary heart disease 444	Stroke 104	Pneumonia and influenza 83	Diabetes 80	Liver disease 63
<b>Pasadena</b> 1,048 627 per 100,000	Coronary heart disease 278	Stroke 107	Pneumonia and influenza 52	Lung cancer 47	Emphysema 38
<b>Pomona</b> 3,145 644 per 100,000	Coronary heart disease 841	Stroke 214	Lung cancer 172	Emphysema 156	Pneumonia and influenza 112
<b>San Antonio</b> 1,765 624 per 100,000	Coronary heart disease 454	Stroke 124	Diabetes 97	Emphysema 84	Pneumonia and influenza 80
<b>San Fernando</b> 2,162 639 per 100,000	Coronary heart disease 603	Lung cancer 131	Stroke 121	Emphysema 92	Pneumonia and influenza 71
<b>South</b> 1,011 965 per 100,000	Coronary heart disease 256	Stroke 85	Homicide 75	Lung cancer 50	Diabetes 41
<b>Southeast</b> 734 863 per 100,000	Coronary heart disease 193	Homicide 50	Stroke 42	Diabetes 40	Emphysema 32
<b>Southwest</b> 2,886 874 per 100,000	Coronary heart disease 773	Stroke 177	Lung cancer 145	Diabetes 137	Homicide 129
<b>Torrance</b> 3,003 636 per 100,000	Coronary heart disease 781	Stroke 200	Lung cancer 198	Emphysema 165	Pneumonia and influenza 137
<b>West</b> 4,287 536 per 100,000	Coronary heart disease 1,056	Stroke 379	Lung cancer 255	Pneumonia and influenza 230	Emphysema 191
<b>West Valley</b> 5,091 596 per 100,000	Coronary heart disease 1,532	Stroke 369	Lung cancer 263	Pneumonia and influenza 257	Emphysema 202
<b>Whittier</b> 2,146 661 per 100,000	Coronary heart disease 566	Stroke 155	Lung cancer 112	Emphysema 109	Diabetes 87
<b>Los Angeles County Total§</b> 59,586 656 per 100,000	Coronary heart disease 16,293	Stroke 4,169	Lung cancer 3,081	Emphysema 2,604	Pneumonia and influenza 2,494

\*Adjusted by age. See definition in Technical Notes.  
§Includes persons of unknown residence.

Figure 17. Comparison of the leading causes of premature death by health district of residence

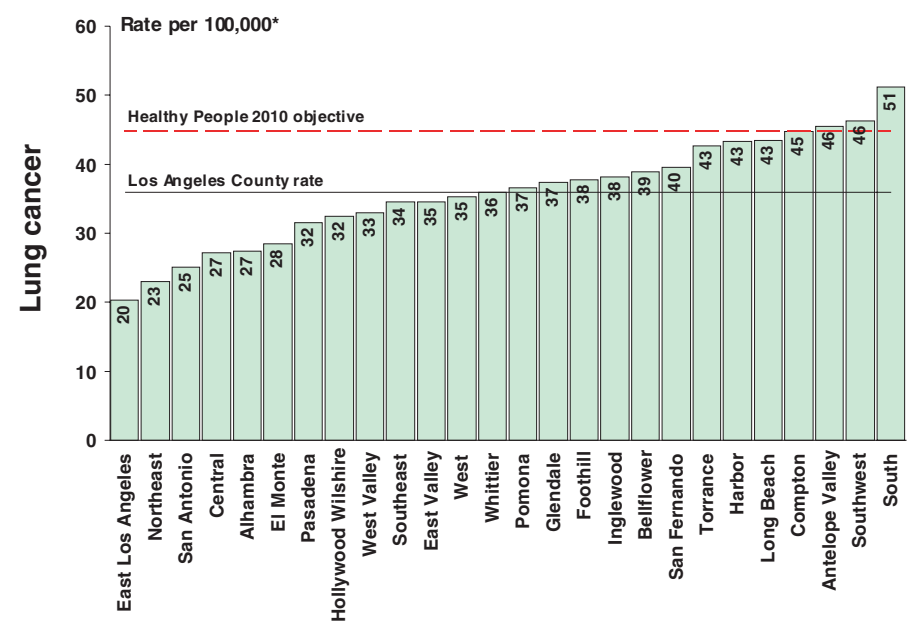
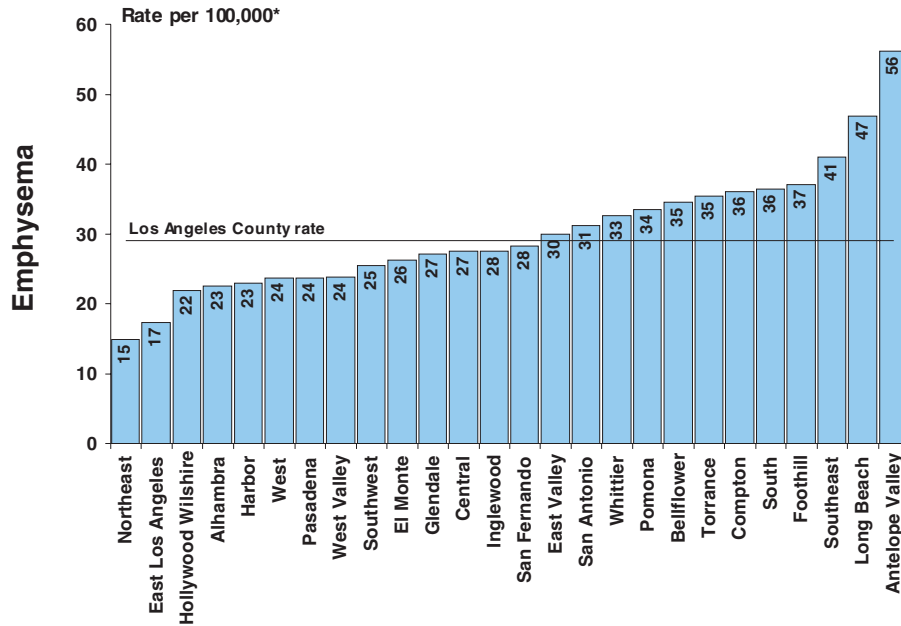
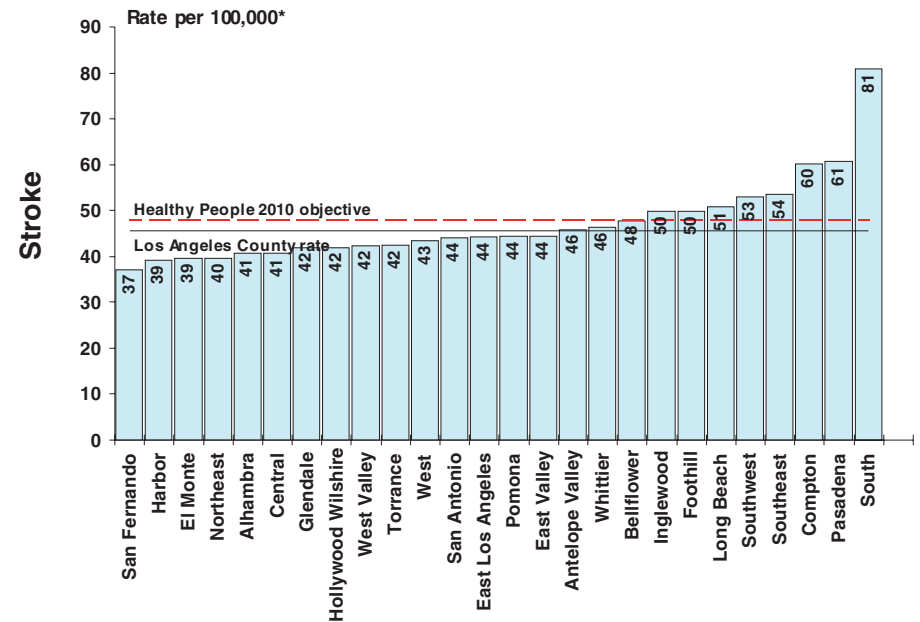
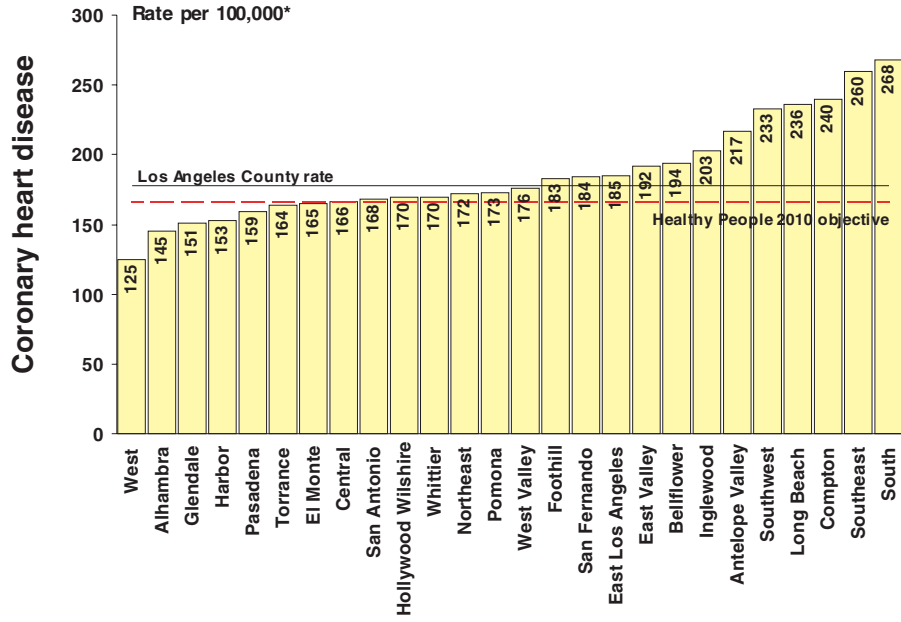
Leading causes of premature\* death

Health District	#1 cause	#2 cause	#3 cause	#4 cause	#5 cause
Alhambra	Coronary heart disease	Homicide	Suicide	Motor vehicle crash	Stroke
Antelope Valley	Coronary heart disease	Motor vehicle crash	Homicide	Suicide	Lung cancer
Bellflower	Coronary heart disease	Homicide	Motor vehicle crash	Liver disease	Suicide
Central	Homicide	Coronary heart disease	HIV	Liver disease	Drug overdose
Compton	Homicide	Coronary heart disease	Motor vehicle crash	Liver disease	Stroke
East Los Angeles	Homicide	Coronary heart disease	Liver disease	Motor vehicle crash	Drug overdose
East Valley	Coronary heart disease	Homicide	Drug overdose	Lung cancer	Motor vehicle crash
El Monte	Coronary heart disease	Homicide	Motor vehicle crash	Diabetes	Stroke
Foothill	Coronary heart disease	Lung cancer	Motor vehicle crash	Diabetes	Liver disease
Glendale	Coronary heart disease	Motor vehicle crash	Lung cancer	Stroke	Breast cancer
Harbor	Coronary heart disease	Homicide	Motor vehicle crash	Suicide	Drug overdose
Hollywood/Wilshire	Coronary heart disease	Homicide	HIV	Suicide	Motor vehicle crash
Inglewood	Homicide	Coronary heart disease	Motor vehicle crash	Diabetes	Lung cancer

Long Beach	Coronary heart disease	Homicide	Suicide	HIV	Motor vehicle crash
Northeast	Homicide	Coronary heart disease	Liver disease	Motor vehicle crash	Drug overdose
Pasadena	Coronary heart disease	Liver disease	Suicide	Lung cancer	Motor vehicle crash
Pomona	Coronary heart disease	Motor vehicle crash	Homicide	Lung cancer	Suicide
San Antonio	Coronary heart disease	Homicide	Motor vehicle crash	Liver disease	Stroke
San Fernando	Coronary heart disease	Motor vehicle crash	Lung cancer	Homicide	Drug overdose
South	Homicide	Coronary heart disease	Stroke	Motor vehicle crash	HIV
Southeast	Homicide	Motor vehicle crash	Coronary heart disease	Liver disease	Diabetes
Southwest	Homicide	Coronary heart disease	Motor vehicle crash	HIV	Lung cancer
Torrance	Coronary heart disease	Lung cancer	Homicide	Suicide	Motor vehicle crash
West	Coronary heart disease	Drug overdose	Homicide	Lung cancer	Suicide
West Valley	Coronary heart disease	Homicide	Motor vehicle crash	Suicide	Drug overdose
Whittier	Coronary heart disease	Homicide	Motor vehicle crash	Liver disease	Lung cancer
Los Angeles County Total§	Coronary heart disease	Homicide	Motor vehicle crash	Lung cancer	Suicide

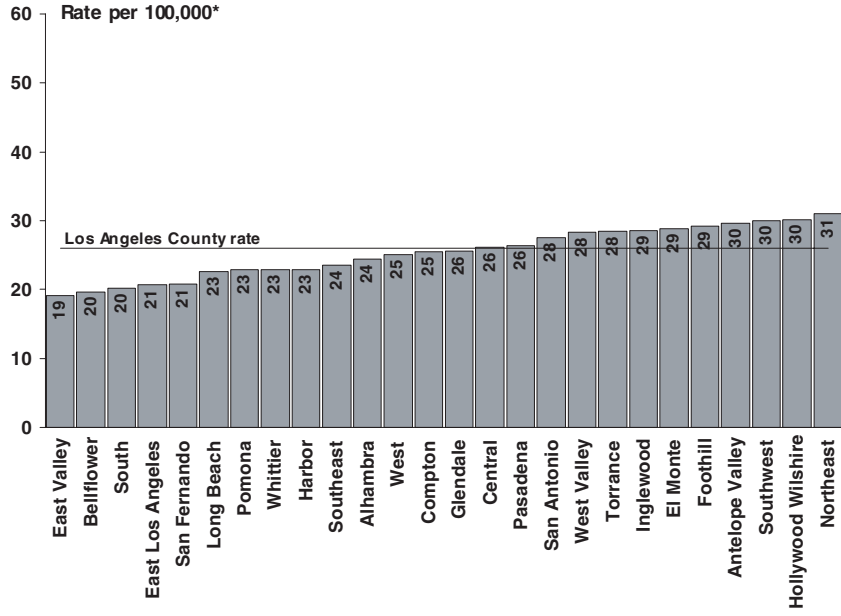
\*Death before age 75 years.  
§Includes persons of unknown residence.

Figure 18. Death rates by health district of residence for selected causes of death

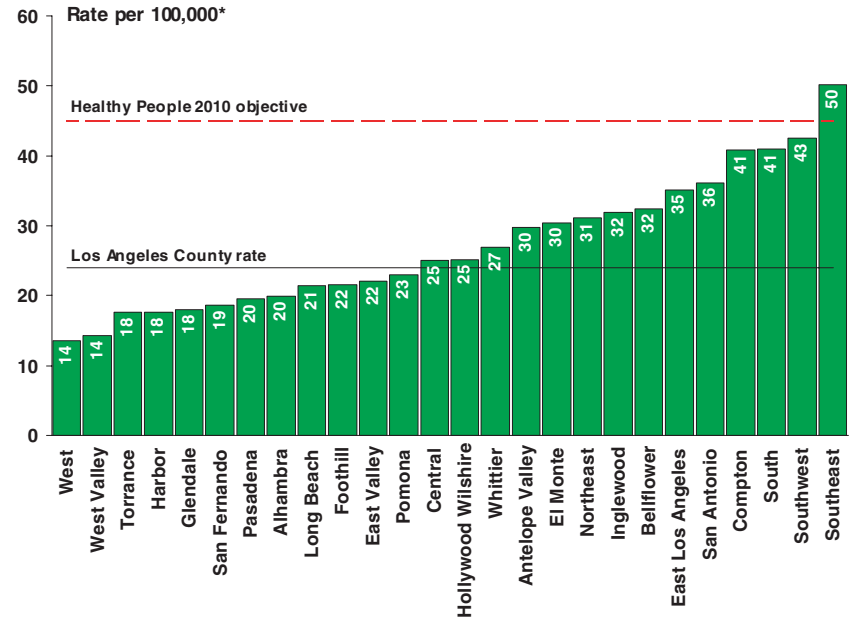




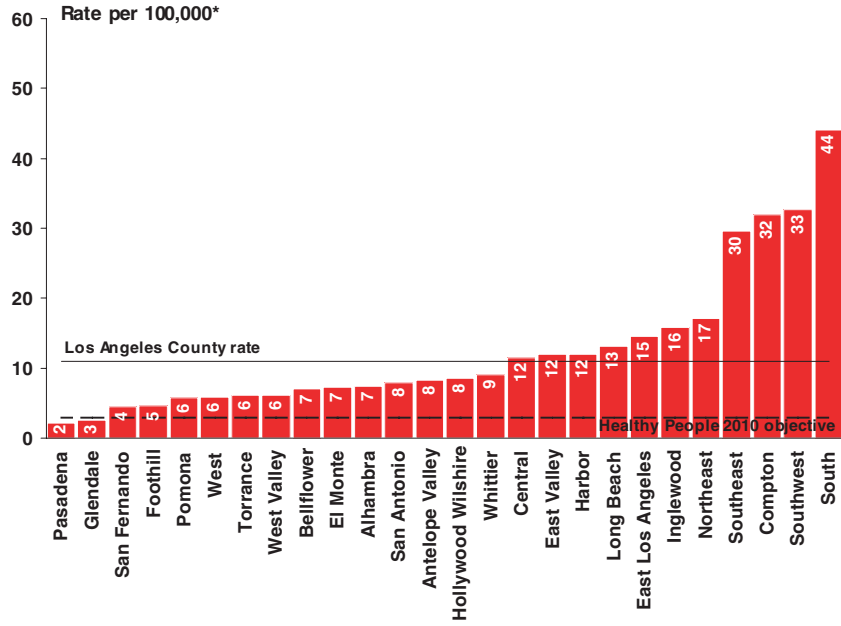
### Pneumonia and influenza



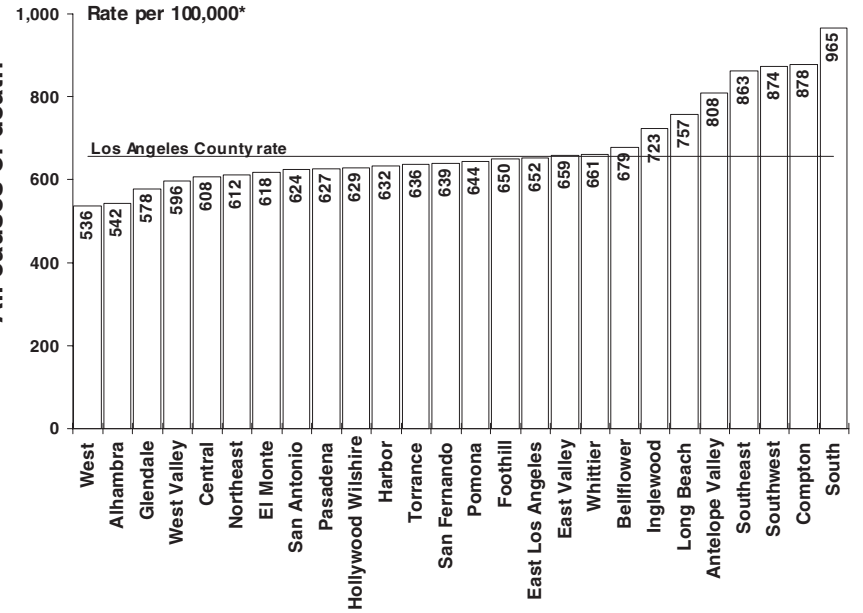
### Diabetes



### Homicide



### All causes of death



\*Adjusted by age. See definition in Technical Notes.

## **Coronary heart disease** *at a glance*

**Number 1** cause of premature death  
**Number 1** cause of death

### ***In simple terms . . .***

Coronary heart disease is a condition in which the flow of blood to the heart muscle is reduced. Blood carried by the coronary arteries provide the heart with a constant supply of necessary oxygen and nutrients. When coronary arteries become blocked or clogged by cholesterol and fat deposits they cannot supply enough oxygen-carrying blood to the heart. The result is coronary heart disease. When the flow of blood to the heart is cut off a heart attack results and the heart muscle is permanently damaged from the lack of oxygen.

### ***Risk factors***

Diabetes, high blood cholesterol, high blood pressure, cigarette smoking, overweight, physical inactivity, previous heart attack or angina, family history of early heart disease.

### ***Community and individual opportunities for prevention***

Community efforts to prevent coronary heart disease include promoting physical activity by providing access to safe places like parks to walk, play, and exercise; and encouraging people to quit smoking by restricting smoking in public places and worksites, media campaigns, and access to smoking cessation programs. Individuals should control high blood pressure, increase physical activity, maintain a healthy weight, eat a reduced fat diet, stop smoking, manage diabetes and high blood cholesterol, and get regular medical check-ups.

### ***Los Angeles County deaths***

16,293

### ***Los Angeles County death rate***

178 deaths per 100,000 population

### ***Healthy People 2010 Objective 12-1***

166 deaths per 100,000 population

### ***ICD-10 codes***

I11, I20-I25

### ***Resources***

American Heart Association at [WWW.AMERICANHEART.ORG](http://WWW.AMERICANHEART.ORG)

National Heart, Lung, and Blood Institute at [WWW.NHLBI.NIH.GOV](http://WWW.NHLBI.NIH.GOV)

The Guide to Community Preventive Services at [WWW.THECOMMUNITYGUIDE.ORG](http://WWW.THECOMMUNITYGUIDE.ORG)

## **Homicide** *at a glance*

**Number 2** cause of premature death  
**Number 8** cause of death

### ***In simple terms . . .***

Homicide is the killing of one person by another, including terrorism. Some homicides are committed in self-defense, but the vast majority of homicides do not involve self-defense. Homicide may be the result of an attack with a weapon such as a gun, knife, or blunt object. Other methods of homicide include strangulation, drowning, poisoning, burning, or pushing the victim from a high place. Homicide also may be the result of neglect such as an adult neglecting a child, abandonment such as a caregiver abandoning a baby, or abuse. War-related deaths and deaths caused by law enforcement officers are not considered homicide.

### ***Risk factors***

The causes of violence and homicide are many and complex. Factors associated with violence and homicide include poverty, lack of education, lack of employment opportunities, youth with excessive unstructured free time, alcohol and substance abuse, media portrayal of violent behavior, witnessing and experiencing violence, mental illness, and access to firearms. The risk of homicide is greatest for males, blacks, and Hispanics; the risk is especially high for minority youth. Gang affiliation is associated with increased violent behavior. Keeping firearms in the home increases the risk of a homicide in the home.

### ***Community and individual opportunities for prevention***

Strategies to reduce homicide must include the both the social and physical environment. Prevention programs should include education of the community about the risks of violence, and ways to identify and reduce violent behavior through non-violent conflict resolution. Legislation and law enforcement can reduce access to firearms and ammunition. Firearms should be removed from the home. If firearms are kept in the home they should be stored locked and unloaded.

### ***Los Angeles County deaths***

1,148

### ***Los Angeles County death rate***

11.2 deaths per 100,000 population

### ***Healthy People 2010 Objective 15-32***

3.0 deaths per 100,000 population

### ***ICD-10 codes***

X85-Y09, Y87.1

### ***Resources***

Prevention Institute at [WWW.PREVENTIONINSTITUTE.ORG](http://WWW.PREVENTIONINSTITUTE.ORG)

Violence Policy Center at [WWW.VPC.ORG](http://WWW.VPC.ORG)

Preventing Crime and Violence in California at [WWW.SAFESTATE.ORG](http://WWW.SAFESTATE.ORG)

Children's Defense Fund at [WWW.CHILDRENSDEFENSE.ORG](http://WWW.CHILDRENSDEFENSE.ORG)

Centers for Disease Control and Prevention, National Center for Injury Prevention and Control at [WWW.CDC.GOV/NCIPC/DVP/DVP.HTM](http://WWW.CDC.GOV/NCIPC/DVP/DVP.HTM)

## **Motor vehicle crash *at a glance***

Number **3** cause of premature death

Number **12** cause of death

### ***In simple terms . . .***

Motor vehicle crashes can occur on any public roadway including streets, alleys, or highways; or they can occur on non-public areas such parking lots or driveways. Motor vehicle crashes that occur on public roadways are referred to as traffic collisions. Any type of vehicle can be involved in a motor vehicle crash including a car, truck, bus, or motorcycle. The person injured in a motor vehicle crash may be the driver or passenger of the vehicle that caused the crash or of the vehicle that was hit. The injured person may also be a pedestrian or bicyclist.

### ***Risk factors***

Driving under the influence of alcohol or drugs, not using a seat belt or other appropriate safety restraint such as a child safety seat or booster seat, lack of driving practice and experience, older age.

### ***Community and individual opportunities for prevention***

Community interventions include distribution and education programs to increase the use of child safety seats, enforcement of seat belt laws, sobriety checkpoints, and media campaigns to reduce alcohol-impaired driving. For the individual, do not drive while impaired by alcohol or drugs, always wear a seat belt pulled low and snug across the hips; always place children in an appropriate, properly installed child safety seat or booster seat; do not allow young children to ride in the front seat of a car with an airbag; and teach children pedestrian and bicycle safety, and model safe behavior.

***Los Angeles County deaths***

851

***Los Angeles County death rate***

8.7 deaths per 100,000 population

***Healthy People 2010 Objective 15-15***

9.2 deaths per 100,000 population (rate for traffic-related deaths only)

***ICD-10 codes***

V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

***Resources***

Centers for Disease Control and Prevention, National Center for Injury Prevention and Control at [WWW.CDC.GOV/NCIPC/CMPRFACHTM](http://WWW.CDC.GOV/NCIPC/CMPRFACHTM)

The Guide to Community Preventive Services at [WWW.THECOMMUNITYGUIDE.ORG](http://WWW.THECOMMUNITYGUIDE.ORG)

## **Lung cancer** *at a glance*

**Number 4** cause of premature death

**Number 3** cause of death

### ***In simple terms . . .***

Cancer is the result of abnormal growth of the cells in a part of the body. Normal body cells grow, divide, and die. Cancer cells grow and divide as do normal cells, but they outlive normal cells and continue to form new abnormal cells. The abnormal cells begin to replace normal tissue. Cancer cells develop because of damage to DNA. DNA can be damaged by something in the environment or damaged DNA can be inherited. Most of the time when DNA becomes damaged the body is able to repair it. In cancer cells, the damaged DNA is not repaired. Most lung cancers start in the lining of the tubes called the bronchi.

### ***Risk factors***

Cigarette smoking and breathing the smoke of others, exposure to asbestos fibers, prior lung cancer.

### ***Community and individual opportunities for prevention***

Communities should encourage and assist people to quit smoking by restricting smoking in public places and worksites, through media campaigns, and access to smoking cessation programs. Individuals should stop smoking and avoid people who do, and reduce exposure to cancer causing chemicals.

***Los Angeles County deaths***

3,081

***Los Angeles County death rate***

36.1 deaths per 100,000 population

***Healthy People 2010 Objective 3-2***

44.9 deaths per 100,000 population

***ICD-10 codes***

C33-C34

## **Suicide** *at a glance*

Number **5** cause of premature death

Number **15** cause of death

### ***In simple terms . . .***

Suicide is when a person intentionally takes his or her own life. A self-inflicted injury that does not result in death is referred to as a suicide attempt.

### ***Risk factors***

Suicidal behavior is complex. Risk factors for suicidal behavior include depression, alcohol or drug abuse, previous suicide attempts, family history of suicide, history of being sexually abused, impulsive or aggressive tendencies, a firearm in the home.

### ***Community and individual opportunities for prevention***

Increase public awareness that suicide is preventable, educate health care providers to identify and respond to persons at risk for suicide, improve access to mental health and substance abuse services, limit access to firearms or other lethal means of self-harm.

### ***Los Angeles County deaths***

727

### ***Los Angeles County death rate***

7.7 suicides per 100,000 population

### ***Healthy People 2010 Objective 18-1***

5.0 suicides per 100,000 population

### ***ICD-10 codes***

X60-X84, Y87.0

### ***Resources***

National Institute of Mental Health at [WWW.NIMH.NIH.GOV](http://WWW.NIMH.NIH.GOV)

Substance Abuse and Mental Health Services Administration, Center for Mental Health Services at [WWW.MENTALHEALTH.SAMHSA.GOV](http://WWW.MENTALHEALTH.SAMHSA.GOV)

## **Liver disease** *at a glance*

Number **6** cause of premature death

Number **9** cause of death

### ***In simple terms . . .***

Many things can affect the liver including viral infections, cirrhosis, and liver cancer. Cirrhosis means scarring of the liver. In this report, liver disease refers to cirrhosis, not viral infections that cause liver disease or liver cancer. The liver stores vitamins and nutrients from food. It also breaks down harmful substances like alcohol, and it removes waste products from the body. When normal liver cells are damaged they are replaced by scar tissue. The scar tissue interferes with the normal flow of blood through the liver and interferes with its ability to carry out its normal functions. When cirrhosis occurs, large parts of the liver are damaged.

### ***Risk factors***

Excessive alcohol consumption, prolonged exposure to certain chemicals and medications including carbon tetrachloride (a common solvent) and acetaminophen (a common over-the-counter pain and fever remedy).

### ***Individual opportunities for prevention***

Limit alcohol intake and always follow manufacturer's instructions when using household and industrial chemicals, and doctor's instructions when taking prescription and non-prescription drugs.

<b><i>Los Angeles County deaths</i></b>	1,085
<b><i>Los Angeles County death rate</i></b>	12.3 deaths per 100,000 population
<b><i>Healthy People 2010 Objective 26-2</i></b>	3.0 deaths per 100,000 population
<b><i>ICD-10 codes</i></b>	K70, K73-K74
<b><i>Resources</i></b>	American Liver Foundation at <a href="http://WWW.LIVERFOUNDATION.ORG">WWW.LIVERFOUNDATION.ORG</a>

## **Drug overdose** *at a glance*

**Number 7** cause of premature death

**Number 18** cause of death

### ***In simple terms . . .***

For this report, drug overdose refers to any death from accidental poisoning. It includes illegal drugs, prescription and non-prescription medication, alcohol, vapors, gases, and chemicals. Vapors, gases, and chemicals account for only 1% of the overdose deaths in Los Angeles County. Drug overdose does not include any drug or substance taken with homicidal or suicidal intent.

### ***Risk factors***

Youth are at increased risk for drug abuse if they lack positive, consistent adult role models, are doing poorly in school, are involved in delinquent behavior or belong to gangs, live with substance-abusing parents or have parents in the criminal justice system. For adults, risk factors include a family history of alcohol or substance abuse, or a social environment where illegal substances or alcohol are used excessively.

Among those who use drugs, the risk of death from an overdose is increased when drugs are injected rather than other ways of taking drugs, alcohol and drugs are mixed, a combination of drugs are used, or there is a history of drug overdose.

### ***Community and individual opportunities for prevention***

Drug abuse prevention programs require a comprehensive approach involving the family, schools, community and media. Prevention programs should be geared for a particular setting such as the home, school, or community; and a specific population such as adults, children, those at risk for drug use, or the general population. School-based prevention programs can begin as early as preschool. Effective prevention programs are long-term with follow-up programs to provide periodic reinforcement. Early recognition of a potential problem with drugs is important because effective treatment and support programs are available.

<b><i>Los Angeles County deaths</i></b>	620
<b><i>Los Angeles County death rate</i></b>	6.6 deaths per 100,000 population

**Healthy People 2010 Objective**  
**ICD-10 codes**  
**Resources**

Not comparable  
X40-X49  
The National Institute on Drug Abuse at [WWW.NIDA.NIH.GOV](http://WWW.NIDA.NIH.GOV)  
Substance Abuse and Mental Health Services Administration, Center for Substance Abuse Prevention  
at [WWW.PREVENTION.SAMHSA.GOV](http://WWW.PREVENTION.SAMHSA.GOV)

## **Stroke** *at a glance*

**Number 8** cause of premature death  
**Number 2** cause of death

### ***In simple terms . . .***

A stroke occurs when a blood vessel that carries oxygen and nutrients to the brain is blocked by fat deposits or bursts because of weakening. When that happens, part of the brain cannot get the blood and oxygen it needs. Without oxygen, nerve cells in the affected part of the brain die within minutes. When the nerve cells cannot function the part of the body controlled by these cells cannot function either.

### ***Risk factors***

High blood pressure, cigarette smoking, diabetes, high blood cholesterol, overweight, physical inactivity, excessive alcohol, increasing age, family history of stroke, prior stroke or heart attack.

### ***Individual opportunities for prevention***

Control high blood pressure, stop smoking, manage diabetes, maintain a healthy weight, increase physical activity, eat a diet low in fat and salt.

***Los Angeles County deaths***

4,169

***Los Angeles County death rate***

46 deaths per 100,000 population

***Healthy People 2010 Objective 12-7***

48 deaths per 100,000 population

***ICD-10 codes***

I60-I69

***Resources***

American Stroke Association at [WWW.STROKEASSOCIATION.ORG](http://WWW.STROKEASSOCIATION.ORG)

## **HIV** *at a glance*

**Number 9** cause of premature death  
**Number 23** cause of death

### ***In simple terms . . .***

HIV (human immunodeficiency virus) is the virus that causes AIDS. HIV affects the body's ability to fight infections and certain cancers by damaging the immune system. It is a contagious disease that can be passed from person to person when infected blood, semen, or vaginal secretions come in contact with an uninfected person's blood or mucous membranes. This can happen through sexual contact, sharing needles or syringes, or transfusions of infected blood (this is rare because all blood used for transfusion in the U.S. is screened for the presence of HIV). The

virus also can be passed from an infected pregnant woman to her baby during pregnancy or delivery, or through breast milk. There is no scientific evidence to suggest that HIV can be transmitted in other ways.

### ***Risk factors***

Sharing drug needles and syringes, having unprotected sex with an HIV-infected person or a person whose HIV status is unknown.

### ***Individual opportunities for prevention***

Do not share drug needles. Do not have unprotected sex with partners whose HIV status is unknown. Male latex condoms or female polyurethane condoms provide some protections during sex. Individuals can learn their HIV status by being tested for antibodies (disease-fighting proteins) to HIV. In general, it takes about three months following infection for HIV antibodies to be detectable by standard blood tests. HIV-infected persons should take precautions to avoid infecting their sexual partners. Drug therapies are available to reduce the risk of transmitting HIV from an infected woman to her baby.

***Los Angeles County deaths***

502

***Los Angeles County death rate***

5.4 deaths per 100,000 population

***Healthy People 2010 Objective 13-14***

0.7 deaths per 100,000 population

***ICD-10 codes***

B20-B24

***Resources***

Centers for Disease Control and Prevention, National Center for HIV, STD, and TB Prevention, Divisions of HIV/AIDS Prevention at [www.CDC.GOV/HIV](http://www.CDC.GOV/HIV)  
National Institutes of Health, National Institute of Allergy and Infectious Diseases at [www.NIAID.NIH.GOV](http://www.NIAID.NIH.GOV)

## **Diabetes** *at a glance*

Number **10** cause of premature death

Number **6** cause of death

### ***In simple terms . . .***

Diabetes is when the body is unable to control the level of sugar in the bloodstream. A high level of sugar in the blood can damage the eyes, kidneys, nerves, heart, and blood vessels, and reduce the body's ability to fight infections.

### ***Risk factors***

Family history of diabetes, overweight, physical inactivity, age.

### ***Individual opportunities for prevention***

Increase physical activity, maintain a healthy weight, eat a healthy diet low in fat.

***Los Angeles County deaths***

2,122

***Los Angeles County death rate***

24 deaths per 100,000 population

***Healthy People 2010 Objective 5-5***

45 deaths per 100,000 population

***ICD-10 codes***

E10-E14



## Breast cancer *at a glance*

Number **11** cause of premature death  
Number **10** cause of death

### *In simple terms . . .*

Cancer is the result of abnormal growth of the cells in a part of the body. Normal body cells grow, divide, and die. Cancer cells grow and divide as do normal cells, but they outlive normal cells and continue to form new abnormal cells. The abnormal cells begin to replace normal tissue. Cancer cells develop because of damage to DNA. DNA can be damaged by something in the environment or damaged DNA can be inherited. Most of the time when DNA becomes damaged the body is able to repair it. In cancer cells, the damaged DNA is not repaired. Breast cancer develops in the cells of the breast. Men can get breast cancer but it is much more common in women.

### *Risk factors (for women)*

Age, genetics, family history of breast cancer, previous breast cancer, race, early radiation treatment to the chest area, menstruation before age 12 or menopause after age 55, treatment with the drug DES (diethylstilbestrol), not having children, excessive alcohol consumption, overweight, physical inactivity.

### *Individual opportunities for prevention*

Limit alcohol consumption, maintain a healthy weight, increase physical activity, follow recommended screening guidelines.

**Los Angeles County deaths**

1,064 (1,052 females)

**Los Angeles County death rate**

21.8 deaths per 100,000 females

**Healthy People 2010 Objective 3-3**

22.3 deaths per 100,000 females

**ICD-10 codes**

C50

**Resources**

American Cancer Society at WWW.CANCER.ORG

## Colorectal cancer *at a glance*

Number **12** cause of premature death  
Number **7** cause of death

### *In simple terms . . .*

Cancer is the result of abnormal growth of the cells in a part of the body. Normal body cells grow, divide, and die. Cancer cells grow and divide as do normal cells, but they outlive normal cells and continue to form new abnormal cells. The abnormal cells begin to replace normal tissue. Cancer cells develop because of damage to DNA. DNA can be damaged by something in the environment or damaged DNA can be inherited. Most of the time when DNA becomes damaged the body is able to repair it. In cancer cells, the damaged DNA is not repaired. Colorectal cancer develops in the cells of the colon or the rectum.

### ***Risk factors***

Age, personal and family history of polyps or colorectal cancer, inflammatory bowel disease, physical inactivity, overweight, alcohol use, a diet that is high in fat and low in fruits and vegetables, smoking.

### ***Individual opportunities for prevention***

Maintain a healthy weight, increase physical activity, obtain routine medical care to detect and remove precancerous colorectal polyps, follow recommended screening guidelines for stool tests and special medical exams to detect colon cancer; eat plenty of fruits, vegetables, and whole grain foods; limit consumption of high-fat foods.

***Los Angeles County deaths***

1,315

***Los Angeles County death rate***

15.0 deaths per 100,000 population

***Healthy People 2010 Objective 3-5***

13.9 deaths per 100,000 population

***ICD-10 codes***

C18-C21

***Resources***

American Cancer Society at [WWW.CANCER.ORG](http://WWW.CANCER.ORG)

## **Emphysema** *at a glance*

**Number 13** cause of premature death

**Number 4** cause of death

### ***In simple terms . . .***

Emphysema is a condition in which the air sacs within the lungs lose their ability to stretch and recoil causing them to become weak and break. When lung tissue loses its elasticity it is difficult to exhale and air becomes trapped in the air sacs. When this happens carbon dioxide in the blood cannot be exchanged for oxygen resulting in shortness of breath. Damage to the lungs caused by emphysema is permanent.

### ***Risk factors***

Cigarette smoking.

### ***Community and individual opportunities for prevention***

Communities should encourage and assist people to quit smoking by restricting smoking in public places and worksites, through media campaigns, and access to smoking cessation programs. Individuals should quit smoking.

***Los Angeles County deaths***

2,604

***Los Angeles County death rate***

29 deaths per 100,000 population

83 deaths per 100,000 adults aged 45 years and older

***Healthy People 2010 Objective 24-10***

60 deaths per 100,000 adults aged 45 years and older. The Healthy People 2010 objective is for all chronic obstructive pulmonary disease, which includes emphysema and chronic bronchitis. In Los Angeles County, emphysema caused 94% of the deaths from chronic obstructive pulmonary disease.

***ICD-10 codes***

J43-J44

***Resources***

American Lung Association at [WWW.LUNGUSA.ORG](http://WWW.LUNGUSA.ORG)

## **Pneumonia and influenza** *at a glance*

Number **19** cause of premature death

Number **5** cause of death

### ***In simple terms . . .***

Pneumonia is an inflammation of the lungs caused by an infection that can result in difficulty breathing. The infection can be caused by bacteria, viruses, or fungi. Pneumonia is a common illness that is often mild but can be quite severe, even fatal. The severity of the infection depends on the organism that caused it and the person's age and health.

Influenza, often call "the flu," is a respiratory disease caused by influenza viruses. Influenza can cause mild to severe illness that can result in death. Bacterial pneumonia can be a complication of influenza.

### ***Risk factors***

Young children and the elderly, underlying chronic medical conditions such as diabetes and asthma.

### ***Individual opportunities for prevention***

Hands should be washed frequently with soap and water, stop smoking; get vaccinated against pneumococcal pneumonia, influenza (required annually), and *Haemophilus influenzae* type b (for children); stay away from people who are sick; avoid touching your eyes, nose, or mouth.

### ***Los Angeles County deaths***

2,494

### ***Los Angeles County death rate***

26 deaths per 100,000 population

### ***Healthy People 2010 Objective***

None

### ***ICD-10 codes***

J10-J18

### ***Resources***

National Library of Medicine Medline Plus® at [WWW.NLM.NIH.GOV/MEDLINEPLUS/ENCYCLOPEDIA.HTML](http://WWW.NLM.NIH.GOV/MEDLINEPLUS/ENCYCLOPEDIA.HTML)  
Centers for Disease Control and Prevention at [WWW.CDC.GOV/FLU](http://WWW.CDC.GOV/FLU)

## **TRENDS IN THE LEADING CAUSES OF DEATH AND PREMATURE DEATH, 1993-2002**

### ***Key Findings***

**T**he death rate from coronary heart has decreased steadily since 1993 – 26% from 1999 to 2002. For white females, the death rate decreased by almost one-third. Coronary heart disease was the leading cause of death each year from 1993 through 2002.

**T**he death rate from stroke has decreased since 1993 – 26% from 1999 to 2002. Stroke was the second leading cause of death each year from 1993 through 2002.

**T**he death rate from lung cancer has decreased since 1993. From 1999 to 2002, the overall lung cancer death rate decreased 17%. The largest decrease was among black males although the death rate for black males remained substantially higher than for other groups. Lung cancer was the third leading cause of death for eight of the past ten years.

**T**he death rate from emphysema changed little from 1993 to 1998, and decreased 26% from 1999 to 2002. In recent years, the greatest decrease (34%) was for Hispanic males. From 1993 through 2002, emphysema was the fourth, fifth, or sixth leading cause of death.

**T**he death rate from pneumonia and influenza increased in 1997 and 1998, and decreased 16% from 1999 to 2002. From 1993 through 2002, pneumonia and influenza was the third, fourth, or fifth leading cause of death.

**T**he death rate from diabetes increased substantially from 1993 to 1998. Since 1999, the diabetes death rate has changed very little. Diabetes has been the sixth leading cause of death since 1996.

**C**olorectal cancer death rates have decreased since 1993. From 1999 to 2002, the largest decrease was in the South Bay Service Planning Area. Colorectal cancer has been the seventh leading cause of death since 1997.

**H**omicide death rates decreased by 50% from 1993 to 1998. Since that time they have begun to rise again. The most dramatic increase was among black males for whom the rate increased from 52 per 100,000 in 1999 to 78 per 100,000 in 2002. In 1993, homicide was the leading cause of premature death. Since 1994, it has been the second leading cause of premature death.

Overall, the death rate for liver disease has changed very little from 1993 to 2002 except for black males for whom the rate decreased from 20 per 100,000 in 1999 to 13 per 100,000 in 2002. Liver disease has been one of the leading causes of death since 1997.

Death rates from female breast cancer have decreased since 1993. The largest decrease was among black women. In the East Service Planning Area, the rate decreased from 25 per 100,000 in 1999 to 17 per 100,000 in 2002. Breast cancer was the second leading cause of premature death for women since 1993.

The death rate from motor vehicle crashes has changed relatively little from 1993 to 2002. Since 1997, motor vehicle crashes were the third leading cause of premature death.

The death rate from suicide has changed very little in recent years. Since 1993, suicide was the fourth, fifth, or sixth leading cause of premature death.

The death rate from drug overdoses has changed very little in recent years with the exception of black males for whom the rate increased from 15 per 100,000 in 1999 to 23 per 100,000 in 2002. Drug overdose has been one of the leading causes of premature death since 1993.

The death rate from HIV decreased dramatically from 1993 to 1998, especially among white males. Since 1999, it has remained stable. HIV was the second leading cause of premature death in 1993, and the leading cause of premature death in 1994 and 1995.

*Mortality in Los Angeles County, 2002*  
**Appendix 1. Trends in coronary heart disease mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>18,557</b>	<b>283</b>	<b>18,385</b>	<b>276</b>	<b>17,487</b>	<b>258</b>	<b>17,153</b>	<b>249</b>	<b>17,448</b>	<b>249</b>	<b>17,163</b>	<b>242</b>	<b>17,394</b>	<b>241</b>	<b>16,903</b>	<b>220</b>	<b>16,828</b>	<b>200</b>	<b>16,293</b>	<b>178</b>
<b>Males</b>	<b>9,061</b>	<b>351</b>	<b>8,850</b>	<b>336</b>	<b>8,359</b>	<b>312</b>	<b>8,327</b>	<b>304</b>	<b>8,592</b>	<b>308</b>	<b>8,468</b>	<b>301</b>	<b>8,328</b>	<b>290</b>	<b>8,200</b>	<b>268</b>	<b>8,343</b>	<b>248</b>	<b>8,029</b>	<b>219</b>
<b>Females</b>	<b>9,496</b>	<b>233</b>	<b>9,535</b>	<b>231</b>	<b>9,128</b>	<b>217</b>	<b>8,826</b>	<b>207</b>	<b>8,856</b>	<b>204</b>	<b>8,695</b>	<b>198</b>	<b>9,066</b>	<b>203</b>	<b>8,703</b>	<b>183</b>	<b>8,485</b>	<b>162</b>	<b>8,264</b>	<b>146</b>
<b>White</b>	<b>12,959</b>	<b>307</b>	<b>12,744</b>	<b>302</b>	<b>11,999</b>	<b>283</b>	<b>11,667</b>	<b>275</b>	<b>11,678</b>	<b>274</b>	<b>11,339</b>	<b>265</b>	<b>11,220</b>	<b>262</b>	<b>10,967</b>	<b>243</b>	<b>10,592</b>	<b>217</b>	<b>10,016</b>	<b>191</b>
<b>Hispanic</b>	<b>2,156</b>	<b>191</b>	<b>2,136</b>	<b>184</b>	<b>2,154</b>	<b>180</b>	<b>2,184</b>	<b>176</b>	<b>2,315</b>	<b>178</b>	<b>2,340</b>	<b>177</b>	<b>2,512</b>	<b>184</b>	<b>2,376</b>	<b>161</b>	<b>2,571</b>	<b>156</b>	<b>2,600</b>	<b>143</b>
<b>Black</b>	<b>2,443</b>	<b>389</b>	<b>2,426</b>	<b>381</b>	<b>2,251</b>	<b>344</b>	<b>2,235</b>	<b>336</b>	<b>2,310</b>	<b>341</b>	<b>2,293</b>	<b>333</b>	<b>2,429</b>	<b>351</b>	<b>2,261</b>	<b>309</b>	<b>2,308</b>	<b>290</b>	<b>2,262</b>	<b>266</b>
<b>Asian/Pacific Islander</b>	<b>974</b>	<b>167</b>	<b>1,044</b>	<b>166</b>	<b>1,051</b>	<b>157</b>	<b>1,035</b>	<b>141</b>	<b>1,099</b>	<b>144</b>	<b>1,158</b>	<b>145</b>	<b>1,198</b>	<b>143</b>	<b>1,255</b>	<b>136</b>	<b>1,319</b>	<b>128</b>	<b>1,365</b>	<b>119</b>
<b>Males</b>																				
<b>White</b>	<b>6,183</b>	<b>385</b>	<b>5,978</b>	<b>369</b>	<b>5,598</b>	<b>346</b>	<b>5,540</b>	<b>340</b>	<b>5,619</b>	<b>342</b>	<b>5,483</b>	<b>333</b>	<b>5,222</b>	<b>315</b>	<b>5,135</b>	<b>293</b>	<b>5,162</b>	<b>271</b>	<b>4,878</b>	<b>239</b>
<b>Hispanic</b>	<b>1,137</b>	<b>245</b>	<b>1,108</b>	<b>231</b>	<b>1,104</b>	<b>218</b>	<b>1,131</b>	<b>216</b>	<b>1,175</b>	<b>216</b>	<b>1,211</b>	<b>221</b>	<b>1,296</b>	<b>230</b>	<b>1,238</b>	<b>202</b>	<b>1,338</b>	<b>197</b>	<b>1,323</b>	<b>174</b>
<b>Black</b>	<b>1,164</b>	<b>477</b>	<b>1,163</b>	<b>466</b>	<b>1,059</b>	<b>403</b>	<b>1,064</b>	<b>403</b>	<b>1,150</b>	<b>428</b>	<b>1,089</b>	<b>401</b>	<b>1,134</b>	<b>420</b>	<b>1,095</b>	<b>390</b>	<b>1,124</b>	<b>360</b>	<b>1,084</b>	<b>323</b>
<b>Asian/Pacific Islander</b>	<b>563</b>	<b>219</b>	<b>584</b>	<b>204</b>	<b>581</b>	<b>195</b>	<b>580</b>	<b>173</b>	<b>625</b>	<b>182</b>	<b>673</b>	<b>189</b>	<b>660</b>	<b>180</b>	<b>712</b>	<b>175</b>	<b>701</b>	<b>156</b>	<b>714</b>	<b>143</b>
<b>Females</b>																				
<b>White</b>	<b>6,776</b>	<b>249</b>	<b>6,766</b>	<b>248</b>	<b>6,401</b>	<b>234</b>	<b>6,129</b>	<b>224</b>	<b>6,059</b>	<b>221</b>	<b>5,856</b>	<b>213</b>	<b>5,998</b>	<b>218</b>	<b>5,832</b>	<b>200</b>	<b>5,430</b>	<b>171</b>	<b>5,138</b>	<b>150</b>
<b>Hispanic</b>	<b>1,019</b>	<b>155</b>	<b>1,028</b>	<b>152</b>	<b>1,050</b>	<b>152</b>	<b>1,053</b>	<b>146</b>	<b>1,140</b>	<b>151</b>	<b>1,129</b>	<b>146</b>	<b>1,216</b>	<b>152</b>	<b>1,138</b>	<b>132</b>	<b>1,233</b>	<b>127</b>	<b>1,277</b>	<b>119</b>
<b>Black</b>	<b>1,279</b>	<b>332</b>	<b>1,263</b>	<b>322</b>	<b>1,192</b>	<b>298</b>	<b>1,171</b>	<b>286</b>	<b>1,160</b>	<b>279</b>	<b>1,204</b>	<b>285</b>	<b>1,295</b>	<b>302</b>	<b>1,166</b>	<b>256</b>	<b>1,184</b>	<b>241</b>	<b>1,178</b>	<b>224</b>
<b>Asian/Pacific Islander</b>	<b>411</b>	<b>127</b>	<b>460</b>	<b>135</b>	<b>470</b>	<b>128</b>	<b>455</b>	<b>116</b>	<b>474</b>	<b>113</b>	<b>485</b>	<b>111</b>	<b>538</b>	<b>116</b>	<b>543</b>	<b>106</b>	<b>618</b>	<b>107</b>	<b>651</b>	<b>100</b>
<b>SPA 1: Antelope Valley</b>	<b>470</b>	<b>335</b>	<b>421</b>	<b>284</b>	<b>436</b>	<b>284</b>	<b>467</b>	<b>285</b>	<b>460</b>	<b>273</b>	<b>448</b>	<b>257</b>	<b>488</b>	<b>266</b>	<b>461</b>	<b>239</b>	<b>471</b>	<b>225</b>	<b>500</b>	<b>217</b>
<b>SPA 2: San Fernando Valley</b>	<b>3,736</b>	<b>272</b>	<b>3,802</b>	<b>271</b>	<b>3,617</b>	<b>251</b>	<b>3,510</b>	<b>239</b>	<b>3,618</b>	<b>240</b>	<b>3,537</b>	<b>230</b>	<b>3,615</b>	<b>230</b>	<b>3,603</b>	<b>214</b>	<b>3,577</b>	<b>192</b>	<b>3,550</b>	<b>175</b>
<b>SPA 3: San Gabriel</b>	<b>3,284</b>	<b>266</b>	<b>3,256</b>	<b>259</b>	<b>3,364</b>	<b>261</b>	<b>3,104</b>	<b>237</b>	<b>3,275</b>	<b>244</b>	<b>3,293</b>	<b>241</b>	<b>3,334</b>	<b>240</b>	<b>3,188</b>	<b>214</b>	<b>3,175</b>	<b>193</b>	<b>2,972</b>	<b>166</b>
<b>SPA 4: Metro</b>	<b>2,294</b>	<b>264</b>	<b>2,414</b>	<b>276</b>	<b>2,025</b>	<b>231</b>	<b>2,103</b>	<b>239</b>	<b>2,070</b>	<b>234</b>	<b>2,061</b>	<b>233</b>	<b>2,060</b>	<b>232</b>	<b>1,935</b>	<b>207</b>	<b>1,890</b>	<b>186</b>	<b>1,855</b>	<b>169</b>
<b>SPA 5: West</b>	<b>1,436</b>	<b>233</b>	<b>1,416</b>	<b>227</b>	<b>1,323</b>	<b>209</b>	<b>1,349</b>	<b>211</b>	<b>1,352</b>	<b>208</b>	<b>1,304</b>	<b>198</b>	<b>1,194</b>	<b>179</b>	<b>1,273</b>	<b>179</b>	<b>1,135</b>	<b>144</b>	<b>1,056</b>	<b>125</b>
<b>SPA 6: South</b>	<b>2,009</b>	<b>380</b>	<b>1,895</b>	<b>359</b>	<b>1,778</b>	<b>334</b>	<b>1,718</b>	<b>321</b>	<b>1,702</b>	<b>317</b>	<b>1,649</b>	<b>307</b>	<b>1,711</b>	<b>319</b>	<b>1,558</b>	<b>275</b>	<b>1,644</b>	<b>268</b>	<b>1,606</b>	<b>245</b>
<b>SPA 7: East</b>	<b>2,250</b>	<b>287</b>	<b>2,169</b>	<b>271</b>	<b>2,139</b>	<b>264</b>	<b>2,047</b>	<b>247</b>	<b>2,024</b>	<b>240</b>	<b>2,020</b>	<b>238</b>	<b>2,103</b>	<b>242</b>	<b>2,073</b>	<b>225</b>	<b>2,053</b>	<b>203</b>	<b>1,976</b>	<b>180</b>
<b>SPA 8: South Bay</b>	<b>2,937</b>	<b>292</b>	<b>2,953</b>	<b>288</b>	<b>2,716</b>	<b>260</b>	<b>2,771</b>	<b>262</b>	<b>2,845</b>	<b>263</b>	<b>2,755</b>	<b>252</b>	<b>2,795</b>	<b>252</b>	<b>2,721</b>	<b>231</b>	<b>2,754</b>	<b>212</b>	<b>2,704</b>	<b>192</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.

*Mortality in Los Angeles County, 2002*  
**Appendix 2. Trends in stroke mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>4,109</b>	<b>63</b>	<b>4,186</b>	<b>63</b>	<b>4,073</b>	<b>60</b>	<b>4,061</b>	<b>59</b>	<b>4,160</b>	<b>59</b>	<b>3,928</b>	<b>55</b>	<b>4,435</b>	<b>62</b>	<b>4,410</b>	<b>57</b>	<b>4,259</b>	<b>51</b>	<b>4,169</b>	<b>46</b>
<b>Males</b>	<b>1,661</b>	<b>65</b>	<b>1,647</b>	<b>64</b>	<b>1,667</b>	<b>63</b>	<b>1,638</b>	<b>61</b>	<b>1,681</b>	<b>61</b>	<b>1,550</b>	<b>55</b>	<b>1,803</b>	<b>64</b>	<b>1,816</b>	<b>60</b>	<b>1,691</b>	<b>51</b>	<b>1,701</b>	<b>47</b>
<b>Females</b>	<b>2,448</b>	<b>60</b>	<b>2,539</b>	<b>62</b>	<b>2,406</b>	<b>57</b>	<b>2,423</b>	<b>57</b>	<b>2,479</b>	<b>57</b>	<b>2,378</b>	<b>54</b>	<b>2,632</b>	<b>59</b>	<b>2,594</b>	<b>55</b>	<b>2,568</b>	<b>50</b>	<b>2,468</b>	<b>45</b>
<b>White</b>	<b>2,639</b>	<b>63</b>	<b>2,731</b>	<b>64</b>	<b>2,557</b>	<b>60</b>	<b>2,478</b>	<b>58</b>	<b>2,565</b>	<b>60</b>	<b>2,376</b>	<b>55</b>	<b>2,611</b>	<b>60</b>	<b>2,599</b>	<b>57</b>	<b>2,483</b>	<b>49</b>	<b>2,382</b>	<b>44</b>
<b>Hispanic</b>	<b>532</b>	<b>43</b>	<b>506</b>	<b>40</b>	<b>534</b>	<b>40</b>	<b>610</b>	<b>45</b>	<b>623</b>	<b>44</b>	<b>621</b>	<b>43</b>	<b>704</b>	<b>49</b>	<b>717</b>	<b>46</b>	<b>708</b>	<b>41</b>	<b>711</b>	<b>38</b>
<b>Black</b>	<b>613</b>	<b>96</b>	<b>617</b>	<b>96</b>	<b>609</b>	<b>92</b>	<b>580</b>	<b>87</b>	<b>562</b>	<b>82</b>	<b>536</b>	<b>78</b>	<b>658</b>	<b>95</b>	<b>618</b>	<b>84</b>	<b>591</b>	<b>75</b>	<b>589</b>	<b>70</b>
<b>Asian/Pacific Islander</b>	<b>317</b>	<b>53</b>	<b>338</b>	<b>53</b>	<b>363</b>	<b>52</b>	<b>382</b>	<b>51</b>	<b>404</b>	<b>52</b>	<b>387</b>	<b>47</b>	<b>452</b>	<b>53</b>	<b>465</b>	<b>49</b>	<b>472</b>	<b>45</b>	<b>473</b>	<b>41</b>
<b>Males</b>																				
<b>White</b>	<b>1,008</b>	<b>65</b>	<b>989</b>	<b>63</b>	<b>966</b>	<b>61</b>	<b>907</b>	<b>57</b>	<b>985</b>	<b>61</b>	<b>861</b>	<b>53</b>	<b>1,004</b>	<b>61</b>	<b>1,005</b>	<b>58</b>	<b>923</b>	<b>48</b>	<b>932</b>	<b>45</b>
<b>Hispanic</b>	<b>249</b>	<b>47</b>	<b>237</b>	<b>46</b>	<b>251</b>	<b>44</b>	<b>290</b>	<b>54</b>	<b>272</b>	<b>46</b>	<b>297</b>	<b>49</b>	<b>315</b>	<b>54</b>	<b>343</b>	<b>54</b>	<b>322</b>	<b>45</b>	<b>326</b>	<b>43</b>
<b>Black</b>	<b>243</b>	<b>97</b>	<b>249</b>	<b>99</b>	<b>269</b>	<b>105</b>	<b>252</b>	<b>100</b>	<b>223</b>	<b>83</b>	<b>210</b>	<b>79</b>	<b>262</b>	<b>94</b>	<b>247</b>	<b>85</b>	<b>232</b>	<b>75</b>	<b>227</b>	<b>67</b>
<b>Asian/Pacific Islander</b>	<b>161</b>	<b>61</b>	<b>168</b>	<b>59</b>	<b>174</b>	<b>58</b>	<b>184</b>	<b>57</b>	<b>198</b>	<b>59</b>	<b>180</b>	<b>49</b>	<b>217</b>	<b>60</b>	<b>216</b>	<b>52</b>	<b>212</b>	<b>47</b>	<b>209</b>	<b>42</b>
<b>Females</b>																				
<b>White</b>	<b>1,631</b>	<b>60</b>	<b>1,732</b>	<b>63</b>	<b>1,591</b>	<b>59</b>	<b>1,571</b>	<b>57</b>	<b>1,580</b>	<b>57</b>	<b>1,515</b>	<b>55</b>	<b>1,607</b>	<b>58</b>	<b>1,594</b>	<b>55</b>	<b>1,560</b>	<b>49</b>	<b>1,450</b>	<b>43</b>
<b>Hispanic</b>	<b>283</b>	<b>40</b>	<b>269</b>	<b>37</b>	<b>283</b>	<b>38</b>	<b>320</b>	<b>40</b>	<b>351</b>	<b>43</b>	<b>324</b>	<b>38</b>	<b>389</b>	<b>46</b>	<b>374</b>	<b>41</b>	<b>386</b>	<b>38</b>	<b>385</b>	<b>35</b>
<b>Black</b>	<b>370</b>	<b>95</b>	<b>368</b>	<b>93</b>	<b>340</b>	<b>83</b>	<b>328</b>	<b>80</b>	<b>339</b>	<b>80</b>	<b>326</b>	<b>77</b>	<b>396</b>	<b>92</b>	<b>371</b>	<b>81</b>	<b>359</b>	<b>73</b>	<b>362</b>	<b>70</b>
<b>Asian/Pacific Islander</b>	<b>156</b>	<b>47</b>	<b>170</b>	<b>48</b>	<b>189</b>	<b>47</b>	<b>198</b>	<b>47</b>	<b>206</b>	<b>47</b>	<b>207</b>	<b>44</b>	<b>235</b>	<b>48</b>	<b>249</b>	<b>47</b>	<b>260</b>	<b>43</b>	<b>264</b>	<b>40</b>
<b>SPA 1: Antelope Valley</b>	<b>83</b>	<b>60</b>	<b>78</b>	<b>52</b>	<b>93</b>	<b>63</b>	<b>121</b>	<b>78</b>	<b>140</b>	<b>85</b>	<b>122</b>	<b>72</b>	<b>109</b>	<b>61</b>	<b>124</b>	<b>66</b>	<b>110</b>	<b>54</b>	<b>106</b>	<b>46</b>
<b>SPA 2: San Fernando Valley</b>	<b>743</b>	<b>54</b>	<b>826</b>	<b>59</b>	<b>770</b>	<b>53</b>	<b>732</b>	<b>50</b>	<b>788</b>	<b>52</b>	<b>822</b>	<b>54</b>	<b>864</b>	<b>55</b>	<b>887</b>	<b>53</b>	<b>866</b>	<b>46</b>	<b>840</b>	<b>42</b>
<b>SPA 3: San Gabriel</b>	<b>687</b>	<b>56</b>	<b>778</b>	<b>62</b>	<b>697</b>	<b>54</b>	<b>710</b>	<b>54</b>	<b>776</b>	<b>58</b>	<b>677</b>	<b>49</b>	<b>806</b>	<b>58</b>	<b>784</b>	<b>52</b>	<b>749</b>	<b>46</b>	<b>806</b>	<b>45</b>
<b>SPA 4: Metro</b>	<b>510</b>	<b>58</b>	<b>503</b>	<b>57</b>	<b>480</b>	<b>54</b>	<b>499</b>	<b>56</b>	<b>501</b>	<b>56</b>	<b>474</b>	<b>53</b>	<b>525</b>	<b>59</b>	<b>485</b>	<b>51</b>	<b>475</b>	<b>46</b>	<b>462</b>	<b>42</b>
<b>SPA 5: West</b>	<b>396</b>	<b>64</b>	<b>376</b>	<b>61</b>	<b>374</b>	<b>59</b>	<b>389</b>	<b>60</b>	<b>387</b>	<b>59</b>	<b>341</b>	<b>52</b>	<b>384</b>	<b>57</b>	<b>383</b>	<b>53</b>	<b>368</b>	<b>45</b>	<b>379</b>	<b>44</b>
<b>SPA 6: South</b>	<b>477</b>	<b>89</b>	<b>476</b>	<b>88</b>	<b>482</b>	<b>89</b>	<b>431</b>	<b>80</b>	<b>396</b>	<b>72</b>	<b>397</b>	<b>73</b>	<b>465</b>	<b>86</b>	<b>455</b>	<b>80</b>	<b>434</b>	<b>70</b>	<b>403</b>	<b>61</b>
<b>SPA 7: East</b>	<b>485</b>	<b>61</b>	<b>446</b>	<b>57</b>	<b>453</b>	<b>56</b>	<b>530</b>	<b>64</b>	<b>423</b>	<b>55</b>	<b>495</b>	<b>58</b>	<b>522</b>	<b>60</b>	<b>527</b>	<b>57</b>	<b>493</b>	<b>48</b>	<b>513</b>	<b>47</b>
<b>SPA 8: South Bay</b>	<b>700</b>	<b>71</b>	<b>689</b>	<b>68</b>	<b>700</b>	<b>67</b>	<b>635</b>	<b>60</b>	<b>693</b>	<b>64</b>	<b>594</b>	<b>54</b>	<b>744</b>	<b>67</b>	<b>745</b>	<b>63</b>	<b>733</b>	<b>57</b>	<b>650</b>	<b>46</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.

*Mortality in Los Angeles County, 2002*  
**Appendix 3. Trends in lung cancer mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>3,420</b>	<b>49</b>	<b>3,368</b>	<b>48</b>	<b>3,372</b>	<b>47</b>	<b>3,302</b>	<b>46</b>	<b>3,316</b>	<b>46</b>	<b>3,150</b>	<b>43</b>	<b>3,243</b>	<b>44</b>	<b>3,150</b>	<b>41</b>	<b>3,232</b>	<b>40</b>	<b>3,081</b>	<b>36</b>
<b>Males</b>	<b>1,963</b>	<b>66</b>	<b>1,882</b>	<b>63</b>	<b>1,930</b>	<b>64</b>	<b>1,847</b>	<b>61</b>	<b>1,880</b>	<b>61</b>	<b>1,722</b>	<b>55</b>	<b>1,814</b>	<b>58</b>	<b>1,765</b>	<b>54</b>	<b>1,797</b>	<b>52</b>	<b>1,702</b>	<b>46</b>
<b>Females</b>	<b>1,457</b>	<b>36</b>	<b>1,486</b>	<b>37</b>	<b>1,442</b>	<b>35</b>	<b>1,455</b>	<b>35</b>	<b>1,436</b>	<b>34</b>	<b>1,428</b>	<b>34</b>	<b>1,429</b>	<b>34</b>	<b>1,385</b>	<b>31</b>	<b>1,435</b>	<b>31</b>	<b>1,379</b>	<b>28</b>
<b>White</b>	<b>2,400</b>	<b>58</b>	<b>2,373</b>	<b>57</b>	<b>2,413</b>	<b>59</b>	<b>2,231</b>	<b>54</b>	<b>2,227</b>	<b>55</b>	<b>2,104</b>	<b>52</b>	<b>2,082</b>	<b>52</b>	<b>2,018</b>	<b>49</b>	<b>2,039</b>	<b>48</b>	<b>1,950</b>	<b>45</b>
<b>Hispanic</b>	<b>286</b>	<b>23</b>	<b>279</b>	<b>21</b>	<b>270</b>	<b>20</b>	<b>317</b>	<b>22</b>	<b>300</b>	<b>20</b>	<b>323</b>	<b>21</b>	<b>347</b>	<b>22</b>	<b>341</b>	<b>20</b>	<b>348</b>	<b>19</b>	<b>363</b>	<b>19</b>
<b>Black</b>	<b>495</b>	<b>70</b>	<b>489</b>	<b>69</b>	<b>468</b>	<b>64</b>	<b>506</b>	<b>70</b>	<b>526</b>	<b>72</b>	<b>463</b>	<b>62</b>	<b>494</b>	<b>67</b>	<b>476</b>	<b>62</b>	<b>482</b>	<b>60</b>	<b>455</b>	<b>54</b>
<b>Asian/Pacific Islander</b>	<b>235</b>	<b>33</b>	<b>222</b>	<b>29</b>	<b>219</b>	<b>27</b>	<b>243</b>	<b>29</b>	<b>252</b>	<b>29</b>	<b>256</b>	<b>28</b>	<b>314</b>	<b>32</b>	<b>308</b>	<b>30</b>	<b>356</b>	<b>32</b>	<b>306</b>	<b>25</b>
<b>Males</b>																				
<b>White</b>	<b>1,297</b>	<b>73</b>	<b>1,250</b>	<b>70</b>	<b>1,322</b>	<b>75</b>	<b>1,172</b>	<b>67</b>	<b>1,185</b>	<b>67</b>	<b>1,074</b>	<b>62</b>	<b>1,082</b>	<b>62</b>	<b>1,079</b>	<b>60</b>	<b>1,056</b>	<b>57</b>	<b>1,034</b>	<b>54</b>
<b>Hispanic</b>	<b>182</b>	<b>36</b>	<b>176</b>	<b>34</b>	<b>178</b>	<b>32</b>	<b>194</b>	<b>33</b>	<b>179</b>	<b>30</b>	<b>207</b>	<b>32</b>	<b>220</b>	<b>35</b>	<b>211</b>	<b>31</b>	<b>219</b>	<b>30</b>	<b>217</b>	<b>28</b>
<b>Black</b>	<b>329</b>	<b>114</b>	<b>306</b>	<b>107</b>	<b>291</b>	<b>100</b>	<b>336</b>	<b>113</b>	<b>341</b>	<b>115</b>	<b>278</b>	<b>90</b>	<b>293</b>	<b>99</b>	<b>271</b>	<b>86</b>	<b>289</b>	<b>88</b>	<b>258</b>	<b>74</b>
<b>Asian/Pacific Islander</b>	<b>151</b>	<b>49</b>	<b>147</b>	<b>44</b>	<b>139</b>	<b>40</b>	<b>143</b>	<b>39</b>	<b>169</b>	<b>45</b>	<b>161</b>	<b>39</b>	<b>217</b>	<b>51</b>	<b>201</b>	<b>45</b>	<b>229</b>	<b>47</b>	<b>188</b>	<b>36</b>
<b>Females</b>																				
<b>White</b>	<b>1,103</b>	<b>47</b>	<b>1,123</b>	<b>48</b>	<b>1,091</b>	<b>47</b>	<b>1,059</b>	<b>46</b>	<b>1,042</b>	<b>45</b>	<b>1,030</b>	<b>45</b>	<b>1,000</b>	<b>44</b>	<b>939</b>	<b>40</b>	<b>983</b>	<b>42</b>	<b>916</b>	<b>38</b>
<b>Hispanic</b>	<b>104</b>	<b>14</b>	<b>103</b>	<b>13</b>	<b>92</b>	<b>12</b>	<b>123</b>	<b>15</b>	<b>121</b>	<b>14</b>	<b>116</b>	<b>13</b>	<b>127</b>	<b>13</b>	<b>130</b>	<b>13</b>	<b>129</b>	<b>12</b>	<b>146</b>	<b>13</b>
<b>Black</b>	<b>166</b>	<b>40</b>	<b>183</b>	<b>44</b>	<b>177</b>	<b>42</b>	<b>170</b>	<b>40</b>	<b>185</b>	<b>43</b>	<b>185</b>	<b>42</b>	<b>201</b>	<b>46</b>	<b>205</b>	<b>46</b>	<b>193</b>	<b>41</b>	<b>197</b>	<b>40</b>
<b>Asian/Pacific Islander</b>	<b>84</b>	<b>20</b>	<b>75</b>	<b>18</b>	<b>80</b>	<b>18</b>	<b>100</b>	<b>22</b>	<b>83</b>	<b>17</b>	<b>95</b>	<b>19</b>	<b>97</b>	<b>18</b>	<b>107</b>	<b>18</b>	<b>127</b>	<b>20</b>	<b>118</b>	<b>18</b>
<b>SPA 1: Antelope Valley</b>	<b>114</b>	<b>68</b>	<b>104</b>	<b>59</b>	<b>104</b>	<b>58</b>	<b>99</b>	<b>54</b>	<b>124</b>	<b>65</b>	<b>117</b>	<b>60</b>	<b>117</b>	<b>56</b>	<b>119</b>	<b>57</b>	<b>117</b>	<b>53</b>	<b>109</b>	<b>46</b>
<b>SPA 2: San Fernando Valley</b>	<b>700</b>	<b>47</b>	<b>656</b>	<b>43</b>	<b>701</b>	<b>46</b>	<b>693</b>	<b>45</b>	<b>702</b>	<b>45</b>	<b>688</b>	<b>43</b>	<b>718</b>	<b>44</b>	<b>657</b>	<b>39</b>	<b>710</b>	<b>40</b>	<b>665</b>	<b>35</b>
<b>SPA 3: San Gabriel</b>	<b>585</b>	<b>44</b>	<b>595</b>	<b>45</b>	<b>574</b>	<b>42</b>	<b>552</b>	<b>40</b>	<b>568</b>	<b>41</b>	<b>528</b>	<b>37</b>	<b>535</b>	<b>37</b>	<b>554</b>	<b>37</b>	<b>597</b>	<b>38</b>	<b>544</b>	<b>33</b>
<b>SPA 4: Metro</b>	<b>349</b>	<b>40</b>	<b>353</b>	<b>41</b>	<b>325</b>	<b>38</b>	<b>336</b>	<b>39</b>	<b>336</b>	<b>39</b>	<b>291</b>	<b>33</b>	<b>313</b>	<b>36</b>	<b>316</b>	<b>35</b>	<b>318</b>	<b>34</b>	<b>294</b>	<b>29</b>
<b>SPA 5: West</b>	<b>257</b>	<b>41</b>	<b>263</b>	<b>42</b>	<b>284</b>	<b>46</b>	<b>255</b>	<b>41</b>	<b>251</b>	<b>40</b>	<b>242</b>	<b>38</b>	<b>250</b>	<b>39</b>	<b>230</b>	<b>35</b>	<b>236</b>	<b>34</b>	<b>255</b>	<b>35</b>
<b>SPA 6: South</b>	<b>364</b>	<b>63</b>	<b>343</b>	<b>60</b>	<b>373</b>	<b>65</b>	<b>353</b>	<b>61</b>	<b>353</b>	<b>62</b>	<b>303</b>	<b>53</b>	<b>358</b>	<b>63</b>	<b>300</b>	<b>51</b>	<b>310</b>	<b>51</b>	<b>300</b>	<b>47</b>
<b>SPA 7: East</b>	<b>429</b>	<b>49</b>	<b>433</b>	<b>49</b>	<b>434</b>	<b>48</b>	<b>411</b>	<b>46</b>	<b>391</b>	<b>43</b>	<b>354</b>	<b>39</b>	<b>404</b>	<b>44</b>	<b>397</b>	<b>42</b>	<b>360</b>	<b>36</b>	<b>339</b>	<b>32</b>
<b>SPA 8: South Bay</b>	<b>612</b>	<b>55</b>	<b>615</b>	<b>55</b>	<b>554</b>	<b>49</b>	<b>599</b>	<b>52</b>	<b>581</b>	<b>50</b>	<b>614</b>	<b>53</b>	<b>539</b>	<b>46</b>	<b>569</b>	<b>46</b>	<b>569</b>	<b>44</b>	<b>567</b>	<b>42</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.



*Mortality in Los Angeles County, 2002*  
**Appendix 4. Trends in emphysema mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>2,237</b>	<b>34</b>	<b>2,369</b>	<b>35</b>	<b>2,255</b>	<b>33</b>	<b>2,307</b>	<b>33</b>	<b>2,565</b>	<b>37</b>	<b>2,553</b>	<b>36</b>	<b>2,836</b>	<b>39</b>	<b>2,660</b>	<b>35</b>	<b>2,723</b>	<b>33</b>	<b>2,604</b>	<b>29</b>
<b>Males</b>	<b>1,120</b>	<b>44</b>	<b>1,145</b>	<b>44</b>	<b>1,145</b>	<b>43</b>	<b>1,123</b>	<b>42</b>	<b>1,232</b>	<b>45</b>	<b>1,246</b>	<b>45</b>	<b>1,384</b>	<b>49</b>	<b>1,299</b>	<b>43</b>	<b>1,301</b>	<b>39</b>	<b>1,246</b>	<b>35</b>
<b>Females</b>	<b>1,117</b>	<b>28</b>	<b>1,224</b>	<b>30</b>	<b>1,110</b>	<b>27</b>	<b>1,184</b>	<b>28</b>	<b>1,333</b>	<b>31</b>	<b>1,307</b>	<b>30</b>	<b>1,452</b>	<b>33</b>	<b>1,361</b>	<b>30</b>	<b>1,422</b>	<b>29</b>	<b>1,358</b>	<b>26</b>
<b>White</b>	<b>1,777</b>	<b>42</b>	<b>1,890</b>	<b>44</b>	<b>1,752</b>	<b>41</b>	<b>1,777</b>	<b>42</b>	<b>1,928</b>	<b>46</b>	<b>1,939</b>	<b>46</b>	<b>2,099</b>	<b>50</b>	<b>1,979</b>	<b>45</b>	<b>1,992</b>	<b>43</b>	<b>1,887</b>	<b>38</b>
<b>Hispanic</b>	<b>188</b>	<b>18</b>	<b>180</b>	<b>16</b>	<b>163</b>	<b>14</b>	<b>169</b>	<b>15</b>	<b>219</b>	<b>18</b>	<b>206</b>	<b>17</b>	<b>254</b>	<b>19</b>	<b>231</b>	<b>17</b>	<b>261</b>	<b>17</b>	<b>249</b>	<b>15</b>
<b>Black</b>	<b>200</b>	<b>31</b>	<b>199</b>	<b>31</b>	<b>210</b>	<b>32</b>	<b>231</b>	<b>34</b>	<b>256</b>	<b>38</b>	<b>292</b>	<b>43</b>	<b>307</b>	<b>44</b>	<b>263</b>	<b>36</b>	<b>281</b>	<b>35</b>	<b>293</b>	<b>35</b>
<b>Asian/Pacific Islander</b>	<b>72</b>	<b>12</b>	<b>100</b>	<b>16</b>	<b>123</b>	<b>18</b>	<b>127</b>	<b>18</b>	<b>158</b>	<b>22</b>	<b>113</b>	<b>15</b>	<b>170</b>	<b>20</b>	<b>178</b>	<b>20</b>	<b>184</b>	<b>18</b>	<b>164</b>	<b>15</b>
<b>Males</b>																				
<b>White</b>	<b>851</b>	<b>52</b>	<b>868</b>	<b>52</b>	<b>854</b>	<b>52</b>	<b>822</b>	<b>50</b>	<b>862</b>	<b>52</b>	<b>867</b>	<b>52</b>	<b>966</b>	<b>58</b>	<b>892</b>	<b>50</b>	<b>887</b>	<b>46</b>	<b>855</b>	<b>42</b>
<b>Hispanic</b>	<b>99</b>	<b>25</b>	<b>100</b>	<b>23</b>	<b>81</b>	<b>18</b>	<b>91</b>	<b>21</b>	<b>123</b>	<b>29</b>	<b>124</b>	<b>27</b>	<b>139</b>	<b>29</b>	<b>125</b>	<b>23</b>	<b>125</b>	<b>21</b>	<b>126</b>	<b>19</b>
<b>Black</b>	<b>127</b>	<b>53</b>	<b>106</b>	<b>43</b>	<b>124</b>	<b>50</b>	<b>120</b>	<b>46</b>	<b>138</b>	<b>55</b>	<b>171</b>	<b>66</b>	<b>171</b>	<b>65</b>	<b>151</b>	<b>53</b>	<b>153</b>	<b>49</b>	<b>149</b>	<b>47</b>
<b>Asian/Pacific Islander</b>	<b>43</b>	<b>17</b>	<b>71</b>	<b>26</b>	<b>82</b>	<b>28</b>	<b>89</b>	<b>29</b>	<b>107</b>	<b>34</b>	<b>82</b>	<b>25</b>	<b>106</b>	<b>30</b>	<b>127</b>	<b>34</b>	<b>133</b>	<b>31</b>	<b>111</b>	<b>23</b>
<b>Females</b>																				
<b>White</b>	<b>926</b>	<b>36</b>	<b>1,022</b>	<b>40</b>	<b>898</b>	<b>35</b>	<b>955</b>	<b>37</b>	<b>1,066</b>	<b>41</b>	<b>1,072</b>	<b>42</b>	<b>1,133</b>	<b>45</b>	<b>1,087</b>	<b>41</b>	<b>1,105</b>	<b>40</b>	<b>1,032</b>	<b>35</b>
<b>Hispanic</b>	<b>89</b>	<b>14</b>	<b>80</b>	<b>12</b>	<b>82</b>	<b>11</b>	<b>78</b>	<b>11</b>	<b>96</b>	<b>13</b>	<b>82</b>	<b>11</b>	<b>115</b>	<b>14</b>	<b>106</b>	<b>13</b>	<b>136</b>	<b>14</b>	<b>123</b>	<b>12</b>
<b>Black</b>	<b>73</b>	<b>18</b>	<b>93</b>	<b>23</b>	<b>86</b>	<b>21</b>	<b>111</b>	<b>27</b>	<b>118</b>	<b>28</b>	<b>121</b>	<b>29</b>	<b>136</b>	<b>32</b>	<b>112</b>	<b>25</b>	<b>128</b>	<b>27</b>	<b>144</b>	<b>28</b>
<b>Asian/Pacific Islander</b>	<b>29</b>	<b>8</b>	<b>29</b>	<b>8</b>	<b>41</b>	<b>11</b>	<b>38</b>	<b>10</b>	<b>51</b>	<b>12</b>	<b>31</b>	<b>8</b>	<b>64</b>	<b>13</b>	<b>51</b>	<b>10</b>	<b>51</b>	<b>9</b>	<b>53</b>	<b>8</b>
<b>SPA 1: Antelope Valley</b>	<b>73</b>	<b>50</b>	<b>83</b>	<b>53</b>	<b>85</b>	<b>54</b>	<b>101</b>	<b>63</b>	<b>109</b>	<b>63</b>	<b>102</b>	<b>58</b>	<b>133</b>	<b>74</b>	<b>119</b>	<b>63</b>	<b>138</b>	<b>66</b>	<b>125</b>	<b>56</b>
<b>SPA 2: San Fernando Valley</b>	<b>402</b>	<b>29</b>	<b>455</b>	<b>32</b>	<b>414</b>	<b>29</b>	<b>435</b>	<b>29</b>	<b>533</b>	<b>35</b>	<b>510</b>	<b>33</b>	<b>577</b>	<b>37</b>	<b>538</b>	<b>32</b>	<b>529</b>	<b>29</b>	<b>519</b>	<b>27</b>
<b>SPA 3: San Gabriel</b>	<b>420</b>	<b>34</b>	<b>407</b>	<b>32</b>	<b>425</b>	<b>33</b>	<b>438</b>	<b>33</b>	<b>500</b>	<b>37</b>	<b>473</b>	<b>35</b>	<b>540</b>	<b>39</b>	<b>487</b>	<b>33</b>	<b>484</b>	<b>30</b>	<b>494</b>	<b>29</b>
<b>SPA 4: Metro</b>	<b>227</b>	<b>26</b>	<b>208</b>	<b>24</b>	<b>226</b>	<b>26</b>	<b>230</b>	<b>26</b>	<b>263</b>	<b>30</b>	<b>243</b>	<b>28</b>	<b>254</b>	<b>29</b>	<b>234</b>	<b>25</b>	<b>259</b>	<b>26</b>	<b>236</b>	<b>22</b>
<b>SPA 5: West</b>	<b>167</b>	<b>27</b>	<b>197</b>	<b>31</b>	<b>171</b>	<b>27</b>	<b>144</b>	<b>23</b>	<b>167</b>	<b>26</b>	<b>142</b>	<b>22</b>	<b>176</b>	<b>27</b>	<b>187</b>	<b>27</b>	<b>179</b>	<b>23</b>	<b>191</b>	<b>23</b>
<b>SPA 6: South</b>	<b>199</b>	<b>37</b>	<b>192</b>	<b>36</b>	<b>161</b>	<b>30</b>	<b>173</b>	<b>32</b>	<b>186</b>	<b>35</b>	<b>231</b>	<b>43</b>	<b>245</b>	<b>45</b>	<b>199</b>	<b>35</b>	<b>201</b>	<b>33</b>	<b>212</b>	<b>33</b>
<b>SPA 7: East</b>	<b>327</b>	<b>40</b>	<b>346</b>	<b>42</b>	<b>296</b>	<b>35</b>	<b>304</b>	<b>36</b>	<b>322</b>	<b>38</b>	<b>367</b>	<b>42</b>	<b>385</b>	<b>44</b>	<b>359</b>	<b>39</b>	<b>356</b>	<b>35</b>	<b>335</b>	<b>31</b>
<b>SPA 8: South Bay</b>	<b>410</b>	<b>40</b>	<b>478</b>	<b>46</b>	<b>466</b>	<b>45</b>	<b>472</b>	<b>44</b>	<b>476</b>	<b>44</b>	<b>481</b>	<b>44</b>	<b>521</b>	<b>47</b>	<b>527</b>	<b>45</b>	<b>558</b>	<b>43</b>	<b>489</b>	<b>35</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.

*Mortality in Los Angeles County, 2002*  
**Appendix 5. Trends in pneumonia and influenza mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>2,905</b>	<b>45</b>	<b>2,888</b>	<b>44</b>	<b>2,933</b>	<b>44</b>	<b>2,984</b>	<b>44</b>	<b>3,346</b>	<b>49</b>	<b>3,594</b>	<b>52</b>	<b>2,242</b>	<b>32</b>	<b>2,477</b>	<b>32</b>	<b>2,421</b>	<b>28</b>	<b>2,494</b>	<b>26</b>
<b>Males</b>	<b>1,327</b>	<b>57</b>	<b>1,262</b>	<b>54</b>	<b>1,264</b>	<b>53</b>	<b>1,357</b>	<b>55</b>	<b>1,473</b>	<b>58</b>	<b>1,621</b>	<b>63</b>	<b>964</b>	<b>37</b>	<b>1,063</b>	<b>37</b>	<b>1,065</b>	<b>33</b>	<b>1,155</b>	<b>32</b>
<b>Females</b>	<b>1,578</b>	<b>39</b>	<b>1,626</b>	<b>39</b>	<b>1,669</b>	<b>39</b>	<b>1,627</b>	<b>38</b>	<b>1,873</b>	<b>43</b>	<b>1,973</b>	<b>44</b>	<b>1,278</b>	<b>28</b>	<b>1,414</b>	<b>29</b>	<b>1,356</b>	<b>25</b>	<b>1,339</b>	<b>23</b>
<b>White</b>	<b>2,028</b>	<b>48</b>	<b>2,042</b>	<b>48</b>	<b>2,109</b>	<b>49</b>	<b>2,097</b>	<b>49</b>	<b>2,295</b>	<b>53</b>	<b>2,403</b>	<b>55</b>	<b>1,475</b>	<b>33</b>	<b>1,608</b>	<b>34</b>	<b>1,488</b>	<b>28</b>	<b>1,595</b>	<b>28</b>
<b>Hispanic</b>	<b>380</b>	<b>36</b>	<b>364</b>	<b>33</b>	<b>364</b>	<b>32</b>	<b>359</b>	<b>32</b>	<b>469</b>	<b>38</b>	<b>497</b>	<b>41</b>	<b>339</b>	<b>27</b>	<b>366</b>	<b>26</b>	<b>398</b>	<b>26</b>	<b>383</b>	<b>22</b>
<b>Black</b>	<b>306</b>	<b>51</b>	<b>300</b>	<b>49</b>	<b>257</b>	<b>42</b>	<b>301</b>	<b>48</b>	<b>326</b>	<b>51</b>	<b>415</b>	<b>63</b>	<b>238</b>	<b>36</b>	<b>255</b>	<b>36</b>	<b>270</b>	<b>35</b>	<b>269</b>	<b>32</b>
<b>Asian/Pacific Islander</b>	<b>188</b>	<b>36</b>	<b>177</b>	<b>32</b>	<b>197</b>	<b>33</b>	<b>221</b>	<b>35</b>	<b>247</b>	<b>35</b>	<b>272</b>	<b>37</b>	<b>189</b>	<b>25</b>	<b>239</b>	<b>28</b>	<b>259</b>	<b>27</b>	<b>236</b>	<b>21</b>
<b>Males</b>																				
<b>White</b>	<b>880</b>	<b>59</b>	<b>844</b>	<b>56</b>	<b>876</b>	<b>57</b>	<b>915</b>	<b>59</b>	<b>964</b>	<b>62</b>	<b>1,042</b>	<b>66</b>	<b>613</b>	<b>39</b>	<b>663</b>	<b>39</b>	<b>622</b>	<b>32</b>	<b>723</b>	<b>34</b>
<b>Hispanic</b>	<b>187</b>	<b>48</b>	<b>175</b>	<b>42</b>	<b>173</b>	<b>40</b>	<b>163</b>	<b>39</b>	<b>229</b>	<b>50</b>	<b>242</b>	<b>54</b>	<b>159</b>	<b>34</b>	<b>161</b>	<b>30</b>	<b>180</b>	<b>30</b>	<b>182</b>	<b>28</b>
<b>Black</b>	<b>148</b>	<b>66</b>	<b>131</b>	<b>60</b>	<b>116</b>	<b>56</b>	<b>149</b>	<b>64</b>	<b>144</b>	<b>64</b>	<b>187</b>	<b>77</b>	<b>97</b>	<b>41</b>	<b>114</b>	<b>42</b>	<b>120</b>	<b>44</b>	<b>124</b>	<b>39</b>
<b>Asian/Pacific Islander</b>	<b>111</b>	<b>49</b>	<b>109</b>	<b>47</b>	<b>98</b>	<b>39</b>	<b>125</b>	<b>47</b>	<b>132</b>	<b>45</b>	<b>149</b>	<b>48</b>	<b>94</b>	<b>30</b>	<b>119</b>	<b>33</b>	<b>140</b>	<b>35</b>	<b>120</b>	<b>26</b>
<b>Females</b>																				
<b>White</b>	<b>1,148</b>	<b>41</b>	<b>1,198</b>	<b>43</b>	<b>1,233</b>	<b>44</b>	<b>1,182</b>	<b>42</b>	<b>1,331</b>	<b>47</b>	<b>1,361</b>	<b>48</b>	<b>862</b>	<b>30</b>	<b>945</b>	<b>31</b>	<b>866</b>	<b>26</b>	<b>872</b>	<b>25</b>
<b>Hispanic</b>	<b>193</b>	<b>30</b>	<b>189</b>	<b>28</b>	<b>191</b>	<b>27</b>	<b>196</b>	<b>28</b>	<b>240</b>	<b>32</b>	<b>255</b>	<b>34</b>	<b>180</b>	<b>23</b>	<b>205</b>	<b>24</b>	<b>218</b>	<b>23</b>	<b>201</b>	<b>19</b>
<b>Black</b>	<b>158</b>	<b>42</b>	<b>169</b>	<b>43</b>	<b>141</b>	<b>36</b>	<b>152</b>	<b>38</b>	<b>182</b>	<b>44</b>	<b>228</b>	<b>54</b>	<b>141</b>	<b>33</b>	<b>141</b>	<b>31</b>	<b>150</b>	<b>30</b>	<b>145</b>	<b>27</b>
<b>Asian/Pacific Islander</b>	<b>77</b>	<b>26</b>	<b>68</b>	<b>21</b>	<b>99</b>	<b>29</b>	<b>96</b>	<b>26</b>	<b>115</b>	<b>28</b>	<b>123</b>	<b>29</b>	<b>95</b>	<b>22</b>	<b>120</b>	<b>25</b>	<b>119</b>	<b>21</b>	<b>116</b>	<b>18</b>
<b>SPA 1: Antelope Valley</b>	<b>54</b>	<b>40</b>	<b>61</b>	<b>42</b>	<b>63</b>	<b>44</b>	<b>52</b>	<b>36</b>	<b>64</b>	<b>42</b>	<b>79</b>	<b>47</b>	<b>45</b>	<b>27</b>	<b>53</b>	<b>30</b>	<b>61</b>	<b>30</b>	<b>69</b>	<b>30</b>
<b>SPA 2: San Fernando Valley</b>	<b>560</b>	<b>42</b>	<b>526</b>	<b>38</b>	<b>604</b>	<b>43</b>	<b>591</b>	<b>41</b>	<b>717</b>	<b>48</b>	<b>697</b>	<b>46</b>	<b>510</b>	<b>33</b>	<b>495</b>	<b>29</b>	<b>496</b>	<b>26</b>	<b>529</b>	<b>25</b>
<b>SPA 3: San Gabriel</b>	<b>567</b>	<b>47</b>	<b>601</b>	<b>49</b>	<b>620</b>	<b>49</b>	<b>601</b>	<b>47</b>	<b>661</b>	<b>50</b>	<b>711</b>	<b>53</b>	<b>407</b>	<b>30</b>	<b>515</b>	<b>35</b>	<b>529</b>	<b>32</b>	<b>483</b>	<b>26</b>
<b>SPA 4: Metro</b>	<b>376</b>	<b>43</b>	<b>358</b>	<b>40</b>	<b>387</b>	<b>43</b>	<b>412</b>	<b>46</b>	<b>407</b>	<b>46</b>	<b>444</b>	<b>50</b>	<b>330</b>	<b>37</b>	<b>344</b>	<b>36</b>	<b>335</b>	<b>32</b>	<b>344</b>	<b>30</b>
<b>SPA 5: West</b>	<b>252</b>	<b>41</b>	<b>270</b>	<b>43</b>	<b>261</b>	<b>41</b>	<b>264</b>	<b>41</b>	<b>312</b>	<b>47</b>	<b>331</b>	<b>50</b>	<b>218</b>	<b>32</b>	<b>239</b>	<b>33</b>	<b>206</b>	<b>25</b>	<b>230</b>	<b>25</b>
<b>SPA 6: South</b>	<b>265</b>	<b>51</b>	<b>243</b>	<b>47</b>	<b>230</b>	<b>46</b>	<b>225</b>	<b>43</b>	<b>265</b>	<b>51</b>	<b>327</b>	<b>62</b>	<b>158</b>	<b>30</b>	<b>212</b>	<b>38</b>	<b>204</b>	<b>33</b>	<b>192</b>	<b>29</b>
<b>SPA 7: East</b>	<b>341</b>	<b>45</b>	<b>336</b>	<b>44</b>	<b>324</b>	<b>42</b>	<b>354</b>	<b>45</b>	<b>401</b>	<b>49</b>	<b>412</b>	<b>50</b>	<b>232</b>	<b>28</b>	<b>292</b>	<b>32</b>	<b>259</b>	<b>26</b>	<b>262</b>	<b>23</b>
<b>SPA 8: South Bay</b>	<b>468</b>	<b>49</b>	<b>481</b>	<b>49</b>	<b>427</b>	<b>43</b>	<b>472</b>	<b>47</b>	<b>512</b>	<b>49</b>	<b>580</b>	<b>55</b>	<b>339</b>	<b>31</b>	<b>318</b>	<b>27</b>	<b>316</b>	<b>24</b>	<b>375</b>	<b>26</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.

*Mortality in Los Angeles County, 2002*  
**Appendix 6. Trends in diabetes mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>1,100</b>	<b>16</b>	<b>1,431</b>	<b>20</b>	<b>1,533</b>	<b>22</b>	<b>1,647</b>	<b>23</b>	<b>1,746</b>	<b>24</b>	<b>1,753</b>	<b>24</b>	<b>1,820</b>	<b>25</b>	<b>1,879</b>	<b>24</b>	<b>1,890</b>	<b>23</b>	<b>2,122</b>	<b>24</b>
<b>Males</b>	<b>507</b>	<b>17</b>	<b>643</b>	<b>22</b>	<b>697</b>	<b>23</b>	<b>773</b>	<b>26</b>	<b>818</b>	<b>27</b>	<b>879</b>	<b>28</b>	<b>829</b>	<b>27</b>	<b>876</b>	<b>27</b>	<b>886</b>	<b>25</b>	<b>996</b>	<b>27</b>
<b>Females</b>	<b>593</b>	<b>15</b>	<b>788</b>	<b>19</b>	<b>836</b>	<b>20</b>	<b>874</b>	<b>21</b>	<b>928</b>	<b>22</b>	<b>874</b>	<b>21</b>	<b>991</b>	<b>23</b>	<b>1,003</b>	<b>22</b>	<b>1,004</b>	<b>21</b>	<b>1,126</b>	<b>22</b>
<b>White</b>	<b>506</b>	<b>12</b>	<b>667</b>	<b>16</b>	<b>635</b>	<b>15</b>	<b>716</b>	<b>17</b>	<b>744</b>	<b>18</b>	<b>708</b>	<b>17</b>	<b>739</b>	<b>18</b>	<b>797</b>	<b>19</b>	<b>775</b>	<b>18</b>	<b>840</b>	<b>18</b>
<b>Hispanic</b>	<b>291</b>	<b>21</b>	<b>365</b>	<b>27</b>	<b>425</b>	<b>31</b>	<b>445</b>	<b>31</b>	<b>526</b>	<b>35</b>	<b>545</b>	<b>35</b>	<b>567</b>	<b>37</b>	<b>579</b>	<b>35</b>	<b>639</b>	<b>36</b>	<b>678</b>	<b>35</b>
<b>Black</b>	<b>218</b>	<b>32</b>	<b>296</b>	<b>43</b>	<b>318</b>	<b>45</b>	<b>344</b>	<b>49</b>	<b>309</b>	<b>43</b>	<b>327</b>	<b>46</b>	<b>321</b>	<b>44</b>	<b>325</b>	<b>43</b>	<b>308</b>	<b>38</b>	<b>374</b>	<b>44</b>
<b>Asian/Pacific Islander</b>	<b>83</b>	<b>12</b>	<b>100</b>	<b>14</b>	<b>146</b>	<b>20</b>	<b>135</b>	<b>17</b>	<b>158</b>	<b>18</b>	<b>166</b>	<b>19</b>	<b>187</b>	<b>21</b>	<b>171</b>	<b>17</b>	<b>164</b>	<b>15</b>	<b>212</b>	<b>18</b>
<b>Males</b>																				
<b>White</b>	<b>251</b>	<b>15</b>	<b>307</b>	<b>18</b>	<b>300</b>	<b>17</b>	<b>351</b>	<b>20</b>	<b>359</b>	<b>21</b>	<b>378</b>	<b>22</b>	<b>358</b>	<b>21</b>	<b>384</b>	<b>22</b>	<b>380</b>	<b>20</b>	<b>400</b>	<b>20</b>
<b>Hispanic</b>	<b>132</b>	<b>22</b>	<b>155</b>	<b>26</b>	<b>182</b>	<b>30</b>	<b>203</b>	<b>32</b>	<b>245</b>	<b>38</b>	<b>269</b>	<b>40</b>	<b>258</b>	<b>40</b>	<b>265</b>	<b>38</b>	<b>279</b>	<b>37</b>	<b>319</b>	<b>39</b>
<b>Black</b>	<b>85</b>	<b>29</b>	<b>130</b>	<b>47</b>	<b>148</b>	<b>50</b>	<b>143</b>	<b>51</b>	<b>139</b>	<b>49</b>	<b>140</b>	<b>46</b>	<b>131</b>	<b>46</b>	<b>141</b>	<b>46</b>	<b>144</b>	<b>43</b>	<b>164</b>	<b>47</b>
<b>Asian/Pacific Islander</b>	<b>37</b>	<b>12</b>	<b>50</b>	<b>15</b>	<b>64</b>	<b>20</b>	<b>72</b>	<b>20</b>	<b>70</b>	<b>19</b>	<b>87</b>	<b>22</b>	<b>81</b>	<b>20</b>	<b>83</b>	<b>19</b>	<b>83</b>	<b>17</b>	<b>107</b>	<b>21</b>
<b>Females</b>																				
<b>White</b>	<b>255</b>	<b>10</b>	<b>360</b>	<b>15</b>	<b>335</b>	<b>14</b>	<b>365</b>	<b>15</b>	<b>385</b>	<b>16</b>	<b>330</b>	<b>14</b>	<b>381</b>	<b>16</b>	<b>413</b>	<b>17</b>	<b>395</b>	<b>16</b>	<b>440</b>	<b>16</b>
<b>Hispanic</b>	<b>159</b>	<b>21</b>	<b>210</b>	<b>27</b>	<b>243</b>	<b>31</b>	<b>242</b>	<b>29</b>	<b>281</b>	<b>32</b>	<b>276</b>	<b>31</b>	<b>309</b>	<b>35</b>	<b>314</b>	<b>33</b>	<b>360</b>	<b>34</b>	<b>359</b>	<b>32</b>
<b>Black</b>	<b>133</b>	<b>33</b>	<b>166</b>	<b>40</b>	<b>170</b>	<b>41</b>	<b>201</b>	<b>47</b>	<b>170</b>	<b>40</b>	<b>187</b>	<b>44</b>	<b>190</b>	<b>43</b>	<b>184</b>	<b>41</b>	<b>164</b>	<b>35</b>	<b>210</b>	<b>41</b>
<b>Asian/Pacific Islander</b>	<b>46</b>	<b>13</b>	<b>50</b>	<b>13</b>	<b>82</b>	<b>20</b>	<b>63</b>	<b>14</b>	<b>88</b>	<b>18</b>	<b>79</b>	<b>17</b>	<b>106</b>	<b>21</b>	<b>88</b>	<b>16</b>	<b>81</b>	<b>13</b>	<b>105</b>	<b>16</b>
<b>SPA 1: Antelope Valley</b>	<b>27</b>	<b>18</b>	<b>40</b>	<b>22</b>	<b>41</b>	<b>25</b>	<b>45</b>	<b>24</b>	<b>35</b>	<b>17</b>	<b>32</b>	<b>17</b>	<b>39</b>	<b>20</b>	<b>43</b>	<b>20</b>	<b>54</b>	<b>24</b>	<b>71</b>	<b>30</b>
<b>SPA 2: San Fernando Valley</b>	<b>177</b>	<b>12</b>	<b>226</b>	<b>15</b>	<b>245</b>	<b>16</b>	<b>277</b>	<b>18</b>	<b>301</b>	<b>19</b>	<b>316</b>	<b>20</b>	<b>309</b>	<b>19</b>	<b>330</b>	<b>20</b>	<b>330</b>	<b>18</b>	<b>335</b>	<b>17</b>
<b>SPA 3: San Gabriel</b>	<b>181</b>	<b>14</b>	<b>230</b>	<b>17</b>	<b>260</b>	<b>19</b>	<b>287</b>	<b>21</b>	<b>269</b>	<b>19</b>	<b>305</b>	<b>22</b>	<b>305</b>	<b>21</b>	<b>354</b>	<b>24</b>	<b>306</b>	<b>19</b>	<b>395</b>	<b>23</b>
<b>SPA 4: Metro</b>	<b>128</b>	<b>14</b>	<b>194</b>	<b>22</b>	<b>192</b>	<b>22</b>	<b>211</b>	<b>24</b>	<b>224</b>	<b>26</b>	<b>220</b>	<b>25</b>	<b>245</b>	<b>28</b>	<b>220</b>	<b>24</b>	<b>269</b>	<b>27</b>	<b>276</b>	<b>27</b>
<b>SPA 5: West</b>	<b>71</b>	<b>11</b>	<b>90</b>	<b>15</b>	<b>78</b>	<b>13</b>	<b>102</b>	<b>16</b>	<b>76</b>	<b>12</b>	<b>80</b>	<b>13</b>	<b>80</b>	<b>12</b>	<b>80</b>	<b>12</b>	<b>76</b>	<b>11</b>	<b>101</b>	<b>13</b>
<b>SPA 6: South</b>	<b>161</b>	<b>28</b>	<b>214</b>	<b>38</b>	<b>251</b>	<b>44</b>	<b>235</b>	<b>41</b>	<b>210</b>	<b>37</b>	<b>234</b>	<b>42</b>	<b>248</b>	<b>44</b>	<b>247</b>	<b>42</b>	<b>237</b>	<b>38</b>	<b>286</b>	<b>44</b>
<b>SPA 7: East</b>	<b>169</b>	<b>19</b>	<b>214</b>	<b>25</b>	<b>226</b>	<b>26</b>	<b>233</b>	<b>26</b>	<b>317</b>	<b>35</b>	<b>312</b>	<b>34</b>	<b>315</b>	<b>35</b>	<b>315</b>	<b>33</b>	<b>337</b>	<b>33</b>	<b>350</b>	<b>33</b>
<b>SPA 8: South Bay</b>	<b>183</b>	<b>17</b>	<b>221</b>	<b>20</b>	<b>234</b>	<b>21</b>	<b>253</b>	<b>22</b>	<b>310</b>	<b>27</b>	<b>249</b>	<b>21</b>	<b>277</b>	<b>24</b>	<b>285</b>	<b>23</b>	<b>274</b>	<b>21</b>	<b>303</b>	<b>22</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.

*Mortality in Los Angeles County, 2002*  
**Appendix 7. Trends in colorectal cancer mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>1,435</b>	<b>21</b>	<b>1,383</b>	<b>20</b>	<b>1,394</b>	<b>20</b>	<b>1,325</b>	<b>19</b>	<b>1,336</b>	<b>19</b>	<b>1,302</b>	<b>18</b>	<b>1,378</b>	<b>19</b>	<b>1,360</b>	<b>18</b>	<b>1,423</b>	<b>17</b>	<b>1,315</b>	<b>15</b>
<b>Males</b>	<b>709</b>	<b>26</b>	<b>650</b>	<b>22</b>	<b>721</b>	<b>25</b>	<b>645</b>	<b>22</b>	<b>653</b>	<b>22</b>	<b>649</b>	<b>21</b>	<b>696</b>	<b>23</b>	<b>676</b>	<b>21</b>	<b>722</b>	<b>21</b>	<b>655</b>	<b>18</b>
<b>Females</b>	<b>726</b>	<b>18</b>	<b>733</b>	<b>18</b>	<b>673</b>	<b>16</b>	<b>680</b>	<b>16</b>	<b>683</b>	<b>16</b>	<b>653</b>	<b>15</b>	<b>682</b>	<b>16</b>	<b>684</b>	<b>15</b>	<b>701</b>	<b>15</b>	<b>660</b>	<b>13</b>
<b>White</b>	<b>947</b>	<b>23</b>	<b>919</b>	<b>22</b>	<b>911</b>	<b>22</b>	<b>829</b>	<b>20</b>	<b>855</b>	<b>21</b>	<b>774</b>	<b>19</b>	<b>832</b>	<b>20</b>	<b>787</b>	<b>19</b>	<b>812</b>	<b>18</b>	<b>763</b>	<b>16</b>
<b>Hispanic</b>	<b>164</b>	<b>12</b>	<b>158</b>	<b>11</b>	<b>155</b>	<b>11</b>	<b>176</b>	<b>12</b>	<b>172</b>	<b>11</b>	<b>190</b>	<b>13</b>	<b>205</b>	<b>13</b>	<b>221</b>	<b>13</b>	<b>217</b>	<b>12</b>	<b>206</b>	<b>10</b>
<b>Black</b>	<b>209</b>	<b>32</b>	<b>187</b>	<b>27</b>	<b>199</b>	<b>29</b>	<b>184</b>	<b>26</b>	<b>188</b>	<b>27</b>	<b>196</b>	<b>27</b>	<b>196</b>	<b>27</b>	<b>204</b>	<b>27</b>	<b>227</b>	<b>29</b>	<b>192</b>	<b>23</b>
<b>Asian/Pacific Islander</b>	<b>113</b>	<b>16</b>	<b>118</b>	<b>16</b>	<b>127</b>	<b>17</b>	<b>135</b>	<b>16</b>	<b>115</b>	<b>14</b>	<b>141</b>	<b>15</b>	<b>144</b>	<b>15</b>	<b>142</b>	<b>14</b>	<b>164</b>	<b>15</b>	<b>148</b>	<b>12</b>
<b>Males</b>																				
<b>White</b>	<b>466</b>	<b>28</b>	<b>425</b>	<b>25</b>	<b>452</b>	<b>27</b>	<b>407</b>	<b>24</b>	<b>417</b>	<b>25</b>	<b>376</b>	<b>22</b>	<b>427</b>	<b>25</b>	<b>391</b>	<b>22</b>	<b>409</b>	<b>22</b>	<b>368</b>	<b>19</b>
<b>Hispanic</b>	<b>87</b>	<b>15</b>	<b>79</b>	<b>13</b>	<b>87</b>	<b>16</b>	<b>89</b>	<b>16</b>	<b>85</b>	<b>13</b>	<b>102</b>	<b>17</b>	<b>100</b>	<b>16</b>	<b>103</b>	<b>15</b>	<b>116</b>	<b>15</b>	<b>111</b>	<b>13</b>
<b>Black</b>	<b>91</b>	<b>37</b>	<b>87</b>	<b>31</b>	<b>104</b>	<b>39</b>	<b>82</b>	<b>28</b>	<b>94</b>	<b>31</b>	<b>88</b>	<b>30</b>	<b>93</b>	<b>35</b>	<b>99</b>	<b>34</b>	<b>107</b>	<b>34</b>	<b>94</b>	<b>27</b>
<b>Asian/Pacific Islander</b>	<b>64</b>	<b>23</b>	<b>59</b>	<b>17</b>	<b>78</b>	<b>21</b>	<b>67</b>	<b>18</b>	<b>55</b>	<b>14</b>	<b>82</b>	<b>20</b>	<b>75</b>	<b>18</b>	<b>80</b>	<b>18</b>	<b>88</b>	<b>18</b>	<b>79</b>	<b>15</b>
<b>Females</b>																				
<b>White</b>	<b>481</b>	<b>19</b>	<b>494</b>	<b>20</b>	<b>459</b>	<b>19</b>	<b>422</b>	<b>17</b>	<b>438</b>	<b>18</b>	<b>398</b>	<b>16</b>	<b>405</b>	<b>17</b>	<b>396</b>	<b>16</b>	<b>403</b>	<b>15</b>	<b>395</b>	<b>14</b>
<b>Hispanic</b>	<b>77</b>	<b>10</b>	<b>79</b>	<b>10</b>	<b>68</b>	<b>8</b>	<b>87</b>	<b>10</b>	<b>87</b>	<b>10</b>	<b>88</b>	<b>10</b>	<b>105</b>	<b>11</b>	<b>118</b>	<b>12</b>	<b>101</b>	<b>9</b>	<b>95</b>	<b>8</b>
<b>Black</b>	<b>118</b>	<b>30</b>	<b>100</b>	<b>25</b>	<b>95</b>	<b>23</b>	<b>102</b>	<b>24</b>	<b>94</b>	<b>23</b>	<b>108</b>	<b>25</b>	<b>103</b>	<b>23</b>	<b>105</b>	<b>23</b>	<b>120</b>	<b>25</b>	<b>98</b>	<b>19</b>
<b>Asian/Pacific Islander</b>	<b>49</b>	<b>12</b>	<b>59</b>	<b>15</b>	<b>49</b>	<b>12</b>	<b>68</b>	<b>15</b>	<b>60</b>	<b>13</b>	<b>59</b>	<b>12</b>	<b>69</b>	<b>12</b>	<b>62</b>	<b>11</b>	<b>76</b>	<b>12</b>	<b>69</b>	<b>10</b>
<b>SPA 1: Antelope Valley</b>	<b>46</b>	<b>30</b>	<b>38</b>	<b>22</b>	<b>30</b>	<b>17</b>	<b>39</b>	<b>21</b>	<b>35</b>	<b>19</b>	<b>41</b>	<b>22</b>	<b>45</b>	<b>23</b>	<b>36</b>	<b>18</b>	<b>45</b>	<b>21</b>	<b>43</b>	<b>19</b>
<b>SPA 2: San Fernando Valley</b>	<b>292</b>	<b>20</b>	<b>272</b>	<b>18</b>	<b>294</b>	<b>20</b>	<b>258</b>	<b>17</b>	<b>270</b>	<b>17</b>	<b>285</b>	<b>18</b>	<b>275</b>	<b>17</b>	<b>309</b>	<b>18</b>	<b>304</b>	<b>17</b>	<b>286</b>	<b>15</b>
<b>SPA 3: San Gabriel</b>	<b>236</b>	<b>18</b>	<b>283</b>	<b>22</b>	<b>261</b>	<b>20</b>	<b>260</b>	<b>19</b>	<b>263</b>	<b>19</b>	<b>241</b>	<b>17</b>	<b>254</b>	<b>18</b>	<b>250</b>	<b>17</b>	<b>266</b>	<b>17</b>	<b>255</b>	<b>15</b>
<b>SPA 4: Metro</b>	<b>161</b>	<b>18</b>	<b>140</b>	<b>16</b>	<b>145</b>	<b>17</b>	<b>130</b>	<b>15</b>	<b>152</b>	<b>17</b>	<b>148</b>	<b>17</b>	<b>150</b>	<b>17</b>	<b>157</b>	<b>17</b>	<b>176</b>	<b>18</b>	<b>149</b>	<b>14</b>
<b>SPA 5: West</b>	<b>127</b>	<b>21</b>	<b>120</b>	<b>19</b>	<b>125</b>	<b>20</b>	<b>104</b>	<b>16</b>	<b>110</b>	<b>17</b>	<b>99</b>	<b>15</b>	<b>104</b>	<b>16</b>	<b>103</b>	<b>15</b>	<b>115</b>	<b>16</b>	<b>95</b>	<b>12</b>
<b>SPA 6: South</b>	<b>161</b>	<b>30</b>	<b>130</b>	<b>23</b>	<b>158</b>	<b>29</b>	<b>122</b>	<b>22</b>	<b>135</b>	<b>24</b>	<b>135</b>	<b>24</b>	<b>127</b>	<b>23</b>	<b>135</b>	<b>23</b>	<b>133</b>	<b>22</b>	<b>133</b>	<b>20</b>
<b>SPA 7: East</b>	<b>195</b>	<b>23</b>	<b>181</b>	<b>21</b>	<b>165</b>	<b>19</b>	<b>196</b>	<b>22</b>	<b>164</b>	<b>19</b>	<b>148</b>	<b>17</b>	<b>168</b>	<b>18</b>	<b>163</b>	<b>17</b>	<b>157</b>	<b>16</b>	<b>149</b>	<b>14</b>
<b>SPA 8: South Bay</b>	<b>210</b>	<b>19</b>	<b>218</b>	<b>20</b>	<b>213</b>	<b>19</b>	<b>212</b>	<b>19</b>	<b>205</b>	<b>18</b>	<b>200</b>	<b>17</b>	<b>252</b>	<b>22</b>	<b>207</b>	<b>17</b>	<b>219</b>	<b>17</b>	<b>202</b>	<b>15</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.

*Mortality in Los Angeles County, 2002*  
**Appendix 8. Trends in homicide mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>1,978</b>	<b>20</b>	<b>1,752</b>	<b>17</b>	<b>1,716</b>	<b>17</b>	<b>1,449</b>	<b>15</b>	<b>1,232</b>	<b>12</b>	<b>984</b>	<b>10</b>	<b>896</b>	<b>9</b>	<b>992</b>	<b>10</b>	<b>1,099</b>	<b>11</b>	<b>1,148</b>	<b>11</b>
<b>Males</b>	<b>1,687</b>	<b>34</b>	<b>1,557</b>	<b>30</b>	<b>1,494</b>	<b>29</b>	<b>1,233</b>	<b>24</b>	<b>1,079</b>	<b>21</b>	<b>826</b>	<b>16</b>	<b>751</b>	<b>15</b>	<b>847</b>	<b>17</b>	<b>937</b>	<b>18</b>	<b>990</b>	<b>19</b>
<b>Females</b>	<b>291</b>	<b>6</b>	<b>195</b>	<b>4</b>	<b>222</b>	<b>5</b>	<b>216</b>	<b>5</b>	<b>153</b>	<b>3</b>	<b>158</b>	<b>3</b>	<b>145</b>	<b>3</b>	<b>145</b>	<b>3</b>	<b>162</b>	<b>3</b>	<b>158</b>	<b>3</b>
<b>White</b>	<b>274</b>	<b>8</b>	<b>222</b>	<b>6</b>	<b>223</b>	<b>7</b>	<b>197</b>	<b>6</b>	<b>171</b>	<b>5</b>	<b>141</b>	<b>4</b>	<b>101</b>	<b>3</b>	<b>127</b>	<b>4</b>	<b>142</b>	<b>5</b>	<b>133</b>	<b>5</b>
<b>Hispanic</b>	<b>904</b>	<b>21</b>	<b>841</b>	<b>19</b>	<b>900</b>	<b>20</b>	<b>721</b>	<b>16</b>	<b>624</b>	<b>14</b>	<b>498</b>	<b>10</b>	<b>465</b>	<b>10</b>	<b>486</b>	<b>10</b>	<b>527</b>	<b>11</b>	<b>567</b>	<b>11</b>
<b>Black</b>	<b>705</b>	<b>70</b>	<b>616</b>	<b>61</b>	<b>503</b>	<b>51</b>	<b>452</b>	<b>46</b>	<b>379</b>	<b>39</b>	<b>296</b>	<b>31</b>	<b>276</b>	<b>29</b>	<b>343</b>	<b>36</b>	<b>361</b>	<b>37</b>	<b>393</b>	<b>41</b>
<b>Asian/Pacific Islander</b>	<b>92</b>	<b>9</b>	<b>66</b>	<b>6</b>	<b>86</b>	<b>8</b>	<b>73</b>	<b>6</b>	<b>48</b>	<b>4</b>	<b>45</b>	<b>4</b>	<b>53</b>	<b>4</b>	<b>35</b>	<b>3</b>	<b>47</b>	<b>4</b>	<b>51</b>	<b>4</b>
<b>Males</b>																				
<b>White</b>	<b>208</b>	<b>12</b>	<b>173</b>	<b>10</b>	<b>175</b>	<b>10</b>	<b>139</b>	<b>8</b>	<b>135</b>	<b>8</b>	<b>97</b>	<b>6</b>	<b>72</b>	<b>5</b>	<b>86</b>	<b>6</b>	<b>97</b>	<b>6</b>	<b>98</b>	<b>7</b>
<b>Hispanic</b>	<b>812</b>	<b>36</b>	<b>786</b>	<b>34</b>	<b>808</b>	<b>34</b>	<b>656</b>	<b>27</b>	<b>569</b>	<b>24</b>	<b>441</b>	<b>18</b>	<b>411</b>	<b>17</b>	<b>437</b>	<b>18</b>	<b>473</b>	<b>19</b>	<b>501</b>	<b>19</b>
<b>Black</b>	<b>593</b>	<b>125</b>	<b>537</b>	<b>112</b>	<b>436</b>	<b>94</b>	<b>378</b>	<b>81</b>	<b>329</b>	<b>71</b>	<b>246</b>	<b>55</b>	<b>230</b>	<b>52</b>	<b>302</b>	<b>68</b>	<b>315</b>	<b>70</b>	<b>352</b>	<b>78</b>
<b>Asian/Pacific Islander</b>	<b>72</b>	<b>14</b>	<b>55</b>	<b>10</b>	<b>71</b>	<b>13</b>	<b>55</b>	<b>10</b>	<b>39</b>	<b>7</b>	<b>38</b>	<b>7</b>	<b>37</b>	<b>6</b>	<b>22</b>	<b>4</b>	<b>37</b>	<b>6</b>	<b>36</b>	<b>6</b>
<b>Females</b>																				
<b>White</b>	<b>66</b>	<b>4</b>	<b>49</b>	<b>3</b>	<b>48</b>	<b>3</b>	<b>58</b>	<b>4</b>	<b>36</b>	<b>2</b>	<b>44</b>	<b>3</b>	<b>29</b>	<b>2</b>	<b>41</b>	<b>3</b>	<b>45</b>	<b>3</b>	<b>35</b>	<b>2</b>
<b>Hispanic</b>	<b>92</b>	<b>5</b>	<b>55</b>	<b>2</b>	<b>92</b>	<b>5</b>	<b>65</b>	<b>3</b>	<b>55</b>	<b>3</b>	<b>57</b>	<b>2</b>	<b>54</b>	<b>3</b>	<b>49</b>	<b>2</b>	<b>54</b>	<b>2</b>	<b>66</b>	<b>3</b>
<b>Black</b>	<b>112</b>	<b>21</b>	<b>79</b>	<b>15</b>	<b>67</b>	<b>13</b>	<b>74</b>	<b>14</b>	<b>50</b>	<b>10</b>	<b>50</b>	<b>10</b>	<b>46</b>	<b>9</b>	<b>41</b>	<b>8</b>	<b>46</b>	<b>9</b>	<b>41</b>	<b>8</b>
<b>Asian/Pacific Islander</b>	<b>20</b>	<b>4</b>	<b>11</b>	<b>--</b>	<b>15</b>	<b>--</b>	<b>18</b>	<b>--</b>	<b>9</b>	<b>--</b>	<b>7</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>13</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>15</b>	<b>--</b>
<b>SPA 1: Antelope Valley</b>	<b>26</b>	<b>9</b>	<b>33</b>	<b>12</b>	<b>32</b>	<b>11</b>	<b>34</b>	<b>12</b>	<b>25</b>	<b>9</b>	<b>22</b>	<b>7</b>	<b>16</b>	<b>--</b>	<b>18</b>	<b>--</b>	<b>21</b>	<b>7</b>	<b>27</b>	<b>8</b>
<b>SPA 2: San Fernando Valley</b>	<b>189</b>	<b>10</b>	<b>129</b>	<b>7</b>	<b>152</b>	<b>8</b>	<b>131</b>	<b>7</b>	<b>125</b>	<b>6</b>	<b>107</b>	<b>5</b>	<b>101</b>	<b>5</b>	<b>99</b>	<b>5</b>	<b>142</b>	<b>7</b>	<b>139</b>	<b>7</b>
<b>SPA 3: San Gabriel</b>	<b>224</b>	<b>13</b>	<b>201</b>	<b>11</b>	<b>220</b>	<b>12</b>	<b>157</b>	<b>9</b>	<b>143</b>	<b>8</b>	<b>112</b>	<b>6</b>	<b>112</b>	<b>6</b>	<b>97</b>	<b>6</b>	<b>114</b>	<b>6</b>	<b>111</b>	<b>6</b>
<b>SPA 4: Metro</b>	<b>290</b>	<b>23</b>	<b>239</b>	<b>19</b>	<b>277</b>	<b>21</b>	<b>210</b>	<b>17</b>	<b>179</b>	<b>14</b>	<b>116</b>	<b>10</b>	<b>110</b>	<b>9</b>	<b>132</b>	<b>11</b>	<b>140</b>	<b>12</b>	<b>145</b>	<b>12</b>
<b>SPA 5: West</b>	<b>69</b>	<b>10</b>	<b>53</b>	<b>8</b>	<b>44</b>	<b>7</b>	<b>53</b>	<b>8</b>	<b>32</b>	<b>5</b>	<b>32</b>	<b>5</b>	<b>20</b>	<b>3</b>	<b>22</b>	<b>3</b>	<b>43</b>	<b>6</b>	<b>38</b>	<b>6</b>
<b>SPA 6: South</b>	<b>666</b>	<b>68</b>	<b>579</b>	<b>57</b>	<b>513</b>	<b>51</b>	<b>438</b>	<b>43</b>	<b>314</b>	<b>31</b>	<b>258</b>	<b>26</b>	<b>268</b>	<b>26</b>	<b>311</b>	<b>31</b>	<b>337</b>	<b>32</b>	<b>355</b>	<b>34</b>
<b>SPA 7: East</b>	<b>175</b>	<b>14</b>	<b>195</b>	<b>15</b>	<b>217</b>	<b>16</b>	<b>172</b>	<b>13</b>	<b>161</b>	<b>12</b>	<b>146</b>	<b>11</b>	<b>112</b>	<b>8</b>	<b>106</b>	<b>8</b>	<b>107</b>	<b>8</b>	<b>129</b>	<b>9</b>
<b>SPA 8: South Bay</b>	<b>286</b>	<b>18</b>	<b>276</b>	<b>18</b>	<b>226</b>	<b>15</b>	<b>229</b>	<b>15</b>	<b>221</b>	<b>14</b>	<b>182</b>	<b>12</b>	<b>144</b>	<b>10</b>	<b>193</b>	<b>13</b>	<b>175</b>	<b>11</b>	<b>190</b>	<b>12</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.  
 --Number of deaths is too small to calculate a reliable rate.

*Mortality in Los Angeles County, 2002*  
**Appendix 9. Trends in liver disease mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>1,043</b>	<b>14</b>	<b>1,116</b>	<b>15</b>	<b>1,014</b>	<b>13</b>	<b>1,050</b>	<b>14</b>	<b>1,041</b>	<b>13</b>	<b>1,019</b>	<b>13</b>	<b>1,047</b>	<b>13</b>	<b>1,121</b>	<b>14</b>	<b>1,010</b>	<b>12</b>	<b>1,085</b>	<b>12</b>
<b>Males</b>	<b>695</b>	<b>20</b>	<b>761</b>	<b>22</b>	<b>681</b>	<b>19</b>	<b>699</b>	<b>19</b>	<b>709</b>	<b>19</b>	<b>713</b>	<b>19</b>	<b>712</b>	<b>19</b>	<b>760</b>	<b>20</b>	<b>695</b>	<b>18</b>	<b>741</b>	<b>18</b>
<b>Females</b>	<b>348</b>	<b>9</b>	<b>355</b>	<b>9</b>	<b>333</b>	<b>8</b>	<b>351</b>	<b>8</b>	<b>332</b>	<b>8</b>	<b>306</b>	<b>7</b>	<b>335</b>	<b>8</b>	<b>361</b>	<b>8</b>	<b>315</b>	<b>7</b>	<b>344</b>	<b>7</b>
<b>White</b>	<b>484</b>	<b>13</b>	<b>513</b>	<b>13</b>	<b>495</b>	<b>13</b>	<b>482</b>	<b>13</b>	<b>477</b>	<b>13</b>	<b>424</b>	<b>11</b>	<b>471</b>	<b>13</b>	<b>461</b>	<b>12</b>	<b>416</b>	<b>11</b>	<b>432</b>	<b>11</b>
<b>Hispanic</b>	<b>401</b>	<b>21</b>	<b>426</b>	<b>22</b>	<b>375</b>	<b>19</b>	<b>414</b>	<b>20</b>	<b>425</b>	<b>20</b>	<b>452</b>	<b>20</b>	<b>423</b>	<b>19</b>	<b>499</b>	<b>22</b>	<b>458</b>	<b>19</b>	<b>504</b>	<b>19</b>
<b>Black</b>	<b>114</b>	<b>15</b>	<b>128</b>	<b>16</b>	<b>96</b>	<b>12</b>	<b>110</b>	<b>14</b>	<b>86</b>	<b>11</b>	<b>86</b>	<b>11</b>	<b>104</b>	<b>13</b>	<b>102</b>	<b>12</b>	<b>97</b>	<b>11</b>	<b>100</b>	<b>11</b>
<b>Asian/Pacific Islander</b>	<b>37</b>	<b>5</b>	<b>43</b>	<b>6</b>	<b>39</b>	<b>5</b>	<b>40</b>	<b>4</b>	<b>46</b>	<b>5</b>	<b>45</b>	<b>4</b>	<b>41</b>	<b>4</b>	<b>46</b>	<b>4</b>	<b>32</b>	<b>3</b>	<b>39</b>	<b>3</b>
<b>Males</b>																				
<b>White</b>	<b>303</b>	<b>17</b>	<b>327</b>	<b>18</b>	<b>312</b>	<b>17</b>	<b>302</b>	<b>17</b>	<b>312</b>	<b>18</b>	<b>280</b>	<b>16</b>	<b>296</b>	<b>17</b>	<b>298</b>	<b>17</b>	<b>265</b>	<b>15</b>	<b>277</b>	<b>15</b>
<b>Hispanic</b>	<b>297</b>	<b>32</b>	<b>317</b>	<b>33</b>	<b>281</b>	<b>29</b>	<b>301</b>	<b>31</b>	<b>316</b>	<b>31</b>	<b>343</b>	<b>32</b>	<b>319</b>	<b>30</b>	<b>361</b>	<b>33</b>	<b>343</b>	<b>30</b>	<b>381</b>	<b>30</b>
<b>Black</b>	<b>71</b>	<b>22</b>	<b>89</b>	<b>25</b>	<b>60</b>	<b>17</b>	<b>70</b>	<b>19</b>	<b>52</b>	<b>15</b>	<b>57</b>	<b>16</b>	<b>68</b>	<b>20</b>	<b>64</b>	<b>17</b>	<b>63</b>	<b>17</b>	<b>51</b>	<b>13</b>
<b>Asian/Pacific Islander</b>	<b>21</b>	<b>6</b>	<b>26</b>	<b>8</b>	<b>23</b>	<b>6</b>	<b>23</b>	<b>5</b>	<b>26</b>	<b>6</b>	<b>27</b>	<b>6</b>	<b>23</b>	<b>5</b>	<b>30</b>	<b>6</b>	<b>19</b>	<b>--</b>	<b>25</b>	<b>4</b>
<b>Females</b>																				
<b>White</b>	<b>181</b>	<b>9</b>	<b>186</b>	<b>9</b>	<b>183</b>	<b>9</b>	<b>180</b>	<b>9</b>	<b>165</b>	<b>8</b>	<b>144</b>	<b>7</b>	<b>175</b>	<b>9</b>	<b>163</b>	<b>8</b>	<b>151</b>	<b>8</b>	<b>155</b>	<b>8</b>
<b>Hispanic</b>	<b>104</b>	<b>11</b>	<b>109</b>	<b>11</b>	<b>94</b>	<b>10</b>	<b>113</b>	<b>11</b>	<b>109</b>	<b>11</b>	<b>109</b>	<b>10</b>	<b>104</b>	<b>10</b>	<b>138</b>	<b>12</b>	<b>115</b>	<b>10</b>	<b>123</b>	<b>9</b>
<b>Black</b>	<b>43</b>	<b>10</b>	<b>39</b>	<b>9</b>	<b>36</b>	<b>8</b>	<b>40</b>	<b>9</b>	<b>34</b>	<b>7</b>	<b>29</b>	<b>6</b>	<b>36</b>	<b>8</b>	<b>38</b>	<b>8</b>	<b>34</b>	<b>7</b>	<b>49</b>	<b>10</b>
<b>Asian/Pacific Islander</b>	<b>16</b>	<b>--</b>	<b>17</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>17</b>	<b>--</b>	<b>20</b>	<b>4</b>	<b>18</b>	<b>--</b>	<b>18</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>13</b>	<b>--</b>	<b>14</b>	<b>--</b>
<b>SPA 1: Antelope Valley</b>	<b>29</b>	<b>14</b>	<b>24</b>	<b>12</b>	<b>22</b>	<b>11</b>	<b>29</b>	<b>14</b>	<b>36</b>	<b>15</b>	<b>29</b>	<b>12</b>	<b>30</b>	<b>12</b>	<b>40</b>	<b>16</b>	<b>40</b>	<b>15</b>	<b>35</b>	<b>13</b>
<b>SPA 2: San Fernando Valley</b>	<b>161</b>	<b>10</b>	<b>190</b>	<b>12</b>	<b>177</b>	<b>11</b>	<b>169</b>	<b>10</b>	<b>165</b>	<b>10</b>	<b>157</b>	<b>9</b>	<b>174</b>	<b>10</b>	<b>187</b>	<b>10</b>	<b>144</b>	<b>8</b>	<b>168</b>	<b>9</b>
<b>SPA 3: San Gabriel</b>	<b>203</b>	<b>15</b>	<b>196</b>	<b>14</b>	<b>181</b>	<b>13</b>	<b>202</b>	<b>14</b>	<b>204</b>	<b>14</b>	<b>164</b>	<b>11</b>	<b>190</b>	<b>13</b>	<b>191</b>	<b>12</b>	<b>187</b>	<b>12</b>	<b>178</b>	<b>11</b>
<b>SPA 4: Metro</b>	<b>159</b>	<b>17</b>	<b>157</b>	<b>17</b>	<b>149</b>	<b>16</b>	<b>136</b>	<b>15</b>	<b>149</b>	<b>16</b>	<b>159</b>	<b>17</b>	<b>138</b>	<b>15</b>	<b>151</b>	<b>16</b>	<b>136</b>	<b>14</b>	<b>159</b>	<b>16</b>
<b>SPA 5: West</b>	<b>58</b>	<b>10</b>	<b>55</b>	<b>9</b>	<b>58</b>	<b>9</b>	<b>62</b>	<b>10</b>	<b>54</b>	<b>9</b>	<b>49</b>	<b>8</b>	<b>54</b>	<b>9</b>	<b>56</b>	<b>9</b>	<b>45</b>	<b>7</b>	<b>55</b>	<b>8</b>
<b>SPA 6: South</b>	<b>140</b>	<b>22</b>	<b>132</b>	<b>21</b>	<b>118</b>	<b>18</b>	<b>122</b>	<b>19</b>	<b>115</b>	<b>18</b>	<b>102</b>	<b>16</b>	<b>106</b>	<b>17</b>	<b>117</b>	<b>18</b>	<b>110</b>	<b>17</b>	<b>119</b>	<b>17</b>
<b>SPA 7: East</b>	<b>144</b>	<b>16</b>	<b>180</b>	<b>19</b>	<b>155</b>	<b>16</b>	<b>172</b>	<b>18</b>	<b>160</b>	<b>16</b>	<b>189</b>	<b>19</b>	<b>174</b>	<b>18</b>	<b>197</b>	<b>19</b>	<b>161</b>	<b>15</b>	<b>185</b>	<b>17</b>
<b>SPA 8: South Bay</b>	<b>135</b>	<b>11</b>	<b>170</b>	<b>14</b>	<b>139</b>	<b>11</b>	<b>148</b>	<b>12</b>	<b>144</b>	<b>11</b>	<b>162</b>	<b>13</b>	<b>174</b>	<b>13</b>	<b>165</b>	<b>12</b>	<b>154</b>	<b>11</b>	<b>162</b>	<b>12</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.  
 --Number of deaths is too small to calculate a reliable rate.

*Mortality in Los Angeles County, 2002*  
**Appendix 10. Trends in female breast cancer mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998			1999		2000		2001		2002		
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*		No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	
<b>Los Angeles County</b>	<b>1,190</b>	<b>30</b>	<b>1,226</b>	<b>30</b>	<b>1,177</b>	<b>29</b>	<b>1,127</b>	<b>27</b>	<b>1,111</b>	<b>26</b>	<b>1,125</b>	<b>27</b>	Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.	<b>1,089</b>	<b>25</b>	<b>1,045</b>	<b>24</b>	<b>1,088</b>	<b>24</b>	<b>1,052</b>	<b>22</b>	
<b>Females</b>																						
<b>White</b>	<b>782</b>	<b>35</b>	<b>822</b>	<b>37</b>	<b>751</b>	<b>34</b>	<b>705</b>	<b>32</b>	<b>668</b>	<b>31</b>	<b>673</b>	<b>31</b>			<b>635</b>	<b>29</b>	<b>606</b>	<b>28</b>	<b>621</b>	<b>28</b>	<b>612</b>	<b>27</b>
<b>Hispanic</b>	<b>178</b>	<b>19</b>	<b>171</b>	<b>17</b>	<b>154</b>	<b>15</b>	<b>182</b>	<b>18</b>	<b>186</b>	<b>17</b>	<b>192</b>	<b>17</b>			<b>196</b>	<b>18</b>	<b>169</b>	<b>14</b>	<b>213</b>	<b>17</b>	<b>176</b>	<b>13</b>
<b>Black</b>	<b>169</b>	<b>40</b>	<b>160</b>	<b>38</b>	<b>180</b>	<b>42</b>	<b>166</b>	<b>38</b>	<b>178</b>	<b>40</b>	<b>160</b>	<b>35</b>			<b>163</b>	<b>37</b>	<b>170</b>	<b>36</b>	<b>159</b>	<b>33</b>	<b>150</b>	<b>30</b>
<b>Asian/Pacific Islander</b>	<b>59</b>	<b>13</b>	<b>71</b>	<b>15</b>	<b>90</b>	<b>17</b>	<b>70</b>	<b>13</b>	<b>76</b>	<b>13</b>	<b>98</b>	<b>17</b>			<b>92</b>	<b>15</b>	<b>97</b>	<b>15</b>	<b>91</b>	<b>13</b>	<b>112</b>	<b>16</b>
<b>SPA 1: Antelope Valley</b>	<b>23</b>	<b>26</b>	<b>25</b>	<b>24</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>26</b>	<b>29</b>	<b>26</b>	<b>25</b>	<b>22</b>			<b>37</b>	<b>30</b>	<b>25</b>	<b>20</b>	<b>30</b>	<b>24</b>	<b>36</b>	<b>27</b>
<b>SPA 2: San Fernando Valley</b>	<b>261</b>	<b>31</b>	<b>272</b>	<b>32</b>	<b>297</b>	<b>34</b>	<b>249</b>	<b>28</b>	<b>224</b>	<b>25</b>	<b>280</b>	<b>31</b>			<b>259</b>	<b>28</b>	<b>244</b>	<b>25</b>	<b>253</b>	<b>25</b>	<b>242</b>	<b>23</b>
<b>SPA 3: San Gabriel</b>	<b>219</b>	<b>29</b>	<b>236</b>	<b>31</b>	<b>172</b>	<b>22</b>	<b>203</b>	<b>26</b>	<b>214</b>	<b>26</b>	<b>205</b>	<b>25</b>			<b>192</b>	<b>23</b>	<b>183</b>	<b>21</b>	<b>213</b>	<b>24</b>	<b>203</b>	<b>21</b>
<b>SPA 4: Metro</b>	<b>128</b>	<b>27</b>	<b>112</b>	<b>23</b>	<b>112</b>	<b>23</b>	<b>107</b>	<b>22</b>	<b>129</b>	<b>26</b>	<b>112</b>	<b>23</b>			<b>101</b>	<b>20</b>	<b>110</b>	<b>22</b>	<b>97</b>	<b>21</b>	<b>117</b>	<b>22</b>
<b>SPA 5: West</b>	<b>96</b>	<b>28</b>	<b>126</b>	<b>37</b>	<b>108</b>	<b>31</b>	<b>114</b>	<b>39</b>	<b>87</b>	<b>24</b>	<b>79</b>	<b>22</b>			<b>84</b>	<b>24</b>	<b>94</b>	<b>25</b>	<b>79</b>	<b>21</b>	<b>101</b>	<b>25</b>
<b>SPA 6: South</b>	<b>120</b>	<b>35</b>	<b>97</b>	<b>29</b>	<b>126</b>	<b>37</b>	<b>104</b>	<b>30</b>	<b>125</b>	<b>35</b>	<b>111</b>	<b>32</b>			<b>100</b>	<b>29</b>	<b>97</b>	<b>27</b>	<b>83</b>	<b>23</b>	<b>89</b>	<b>23</b>
<b>SPA 7: East</b>	<b>136</b>	<b>27</b>	<b>149</b>	<b>29</b>	<b>133</b>	<b>26</b>	<b>126</b>	<b>24</b>	<b>117</b>	<b>22</b>	<b>138</b>	<b>26</b>			<b>135</b>	<b>25</b>	<b>115</b>	<b>21</b>	<b>132</b>	<b>23</b>	<b>105</b>	<b>17</b>
<b>SPA 8: South Bay</b>	<b>202</b>	<b>32</b>	<b>207</b>	<b>32</b>	<b>199</b>	<b>31</b>	<b>195</b>	<b>30</b>	<b>185</b>	<b>28</b>	<b>172</b>	<b>26</b>		<b>180</b>	<b>27</b>	<b>176</b>	<b>25</b>	<b>193</b>	<b>25</b>	<b>159</b>	<b>21</b>	

\*Per 100,000 adjusted by age. See definition in Technical Notes.

*Mortality in Los Angeles County, 2002*  
**Appendix 11. Trends in motor vehicle crash mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>1,078</b>	<b>12</b>	<b>1,132</b>	<b>13</b>	<b>1,095</b>	<b>12</b>	<b>996</b>	<b>11</b>	<b>885</b>	<b>10</b>	<b>782</b>	<b>9</b>	<b>751</b>	<b>8</b>	<b>811</b>	<b>9</b>	<b>890</b>	<b>9</b>	<b>851</b>	<b>9</b>
<b>Males</b>	<b>755</b>	<b>17</b>	<b>773</b>	<b>18</b>	<b>763</b>	<b>18</b>	<b>677</b>	<b>16</b>	<b>601</b>	<b>14</b>	<b>528</b>	<b>12</b>	<b>517</b>	<b>12</b>	<b>564</b>	<b>13</b>	<b>598</b>	<b>13</b>	<b>578</b>	<b>12</b>
<b>Females</b>	<b>323</b>	<b>7</b>	<b>359</b>	<b>8</b>	<b>332</b>	<b>7</b>	<b>319</b>	<b>7</b>	<b>284</b>	<b>6</b>	<b>254</b>	<b>6</b>	<b>234</b>	<b>5</b>	<b>247</b>	<b>5</b>	<b>292</b>	<b>6</b>	<b>273</b>	<b>6</b>
<b>White</b>	<b>393</b>	<b>11</b>	<b>433</b>	<b>12</b>	<b>384</b>	<b>11</b>	<b>356</b>	<b>10</b>	<b>335</b>	<b>10</b>	<b>302</b>	<b>9</b>	<b>247</b>	<b>7</b>	<b>297</b>	<b>9</b>	<b>304</b>	<b>9</b>	<b>292</b>	<b>9</b>
<b>Hispanic</b>	<b>437</b>	<b>13</b>	<b>437</b>	<b>13</b>	<b>446</b>	<b>13</b>	<b>400</b>	<b>13</b>	<b>360</b>	<b>10</b>	<b>292</b>	<b>9</b>	<b>330</b>	<b>9</b>	<b>324</b>	<b>9</b>	<b>359</b>	<b>10</b>	<b>373</b>	<b>9</b>
<b>Black</b>	<b>153</b>	<b>16</b>	<b>145</b>	<b>16</b>	<b>142</b>	<b>15</b>	<b>126</b>	<b>14</b>	<b>89</b>	<b>10</b>	<b>89</b>	<b>10</b>	<b>96</b>	<b>11</b>	<b>99</b>	<b>11</b>	<b>129</b>	<b>14</b>	<b>108</b>	<b>12</b>
<b>Asian/Pacific Islander</b>	<b>95</b>	<b>11</b>	<b>114</b>	<b>12</b>	<b>118</b>	<b>12</b>	<b>108</b>	<b>11</b>	<b>98</b>	<b>9</b>	<b>96</b>	<b>9</b>	<b>75</b>	<b>7</b>	<b>88</b>	<b>8</b>	<b>95</b>	<b>8</b>	<b>75</b>	<b>6</b>
<b>Males</b>																				
<b>White</b>	<b>258</b>	<b>15</b>	<b>286</b>	<b>17</b>	<b>266</b>	<b>16</b>	<b>241</b>	<b>14</b>	<b>220</b>	<b>13</b>	<b>205</b>	<b>12</b>	<b>172</b>	<b>11</b>	<b>205</b>	<b>13</b>	<b>216</b>	<b>14</b>	<b>190</b>	<b>12</b>
<b>Hispanic</b>	<b>318</b>	<b>19</b>	<b>313</b>	<b>18</b>	<b>321</b>	<b>19</b>	<b>281</b>	<b>18</b>	<b>258</b>	<b>15</b>	<b>204</b>	<b>13</b>	<b>237</b>	<b>13</b>	<b>241</b>	<b>13</b>	<b>242</b>	<b>13</b>	<b>270</b>	<b>13</b>
<b>Black</b>	<b>119</b>	<b>28</b>	<b>103</b>	<b>24</b>	<b>102</b>	<b>24</b>	<b>89</b>	<b>23</b>	<b>66</b>	<b>16</b>	<b>61</b>	<b>15</b>	<b>63</b>	<b>15</b>	<b>63</b>	<b>15</b>	<b>82</b>	<b>19</b>	<b>77</b>	<b>19</b>
<b>Asian/Pacific Islander</b>	<b>60</b>	<b>15</b>	<b>71</b>	<b>16</b>	<b>70</b>	<b>16</b>	<b>62</b>	<b>13</b>	<b>56</b>	<b>11</b>	<b>56</b>	<b>11</b>	<b>43</b>	<b>8</b>	<b>54</b>	<b>10</b>	<b>56</b>	<b>10</b>	<b>40</b>	<b>7</b>
<b>Females</b>																				
<b>White</b>	<b>135</b>	<b>7</b>	<b>147</b>	<b>8</b>	<b>118</b>	<b>6</b>	<b>115</b>	<b>6</b>	<b>115</b>	<b>6</b>	<b>97</b>	<b>6</b>	<b>75</b>	<b>4</b>	<b>92</b>	<b>5</b>	<b>88</b>	<b>5</b>	<b>102</b>	<b>6</b>
<b>Hispanic</b>	<b>119</b>	<b>8</b>	<b>124</b>	<b>8</b>	<b>125</b>	<b>7</b>	<b>119</b>	<b>8</b>	<b>102</b>	<b>6</b>	<b>88</b>	<b>5</b>	<b>93</b>	<b>6</b>	<b>83</b>	<b>6</b>	<b>117</b>	<b>6</b>	<b>103</b>	<b>5</b>
<b>Black</b>	<b>34</b>	<b>7</b>	<b>42</b>	<b>9</b>	<b>40</b>	<b>8</b>	<b>37</b>	<b>8</b>	<b>23</b>	<b>5</b>	<b>28</b>	<b>6</b>	<b>33</b>	<b>7</b>	<b>36</b>	<b>7</b>	<b>47</b>	<b>9</b>	<b>31</b>	<b>6</b>
<b>Asian/Pacific Islander</b>	<b>35</b>	<b>8</b>	<b>43</b>	<b>8</b>	<b>48</b>	<b>9</b>	<b>46</b>	<b>9</b>	<b>42</b>	<b>7</b>	<b>40</b>	<b>7</b>	<b>32</b>	<b>5</b>	<b>34</b>	<b>6</b>	<b>39</b>	<b>6</b>	<b>35</b>	<b>5</b>
<b>SPA 1: Antelope Valley</b>	<b>47</b>	<b>19</b>	<b>71</b>	<b>27</b>	<b>71</b>	<b>27</b>	<b>65</b>	<b>24</b>	<b>41</b>	<b>15</b>	<b>68</b>	<b>22</b>	<b>49</b>	<b>17</b>	<b>45</b>	<b>15</b>	<b>64</b>	<b>21</b>	<b>69</b>	<b>22</b>
<b>SPA 2: San Fernando Valley</b>	<b>189</b>	<b>10</b>	<b>205</b>	<b>11</b>	<b>233</b>	<b>13</b>	<b>185</b>	<b>10</b>	<b>200</b>	<b>11</b>	<b>169</b>	<b>9</b>	<b>151</b>	<b>8</b>	<b>167</b>	<b>9</b>	<b>196</b>	<b>10</b>	<b>172</b>	<b>8</b>
<b>SPA 3: San Gabriel</b>	<b>177</b>	<b>11</b>	<b>179</b>	<b>11</b>	<b>190</b>	<b>12</b>	<b>148</b>	<b>9</b>	<b>156</b>	<b>10</b>	<b>123</b>	<b>8</b>	<b>121</b>	<b>7</b>	<b>137</b>	<b>8</b>	<b>140</b>	<b>8</b>	<b>140</b>	<b>8</b>
<b>SPA 4: Metro</b>	<b>126</b>	<b>11</b>	<b>157</b>	<b>13</b>	<b>122</b>	<b>11</b>	<b>123</b>	<b>12</b>	<b>114</b>	<b>11</b>	<b>93</b>	<b>9</b>	<b>85</b>	<b>8</b>	<b>81</b>	<b>7</b>	<b>98</b>	<b>9</b>	<b>78</b>	<b>7</b>
<b>SPA 5: West</b>	<b>70</b>	<b>11</b>	<b>48</b>	<b>7</b>	<b>56</b>	<b>9</b>	<b>42</b>	<b>7</b>	<b>42</b>	<b>7</b>	<b>43</b>	<b>7</b>	<b>32</b>	<b>5</b>	<b>47</b>	<b>7</b>	<b>32</b>	<b>5</b>	<b>35</b>	<b>5</b>
<b>SPA 6: South</b>	<b>149</b>	<b>17</b>	<b>136</b>	<b>16</b>	<b>154</b>	<b>18</b>	<b>121</b>	<b>15</b>	<b>87</b>	<b>10</b>	<b>79</b>	<b>10</b>	<b>85</b>	<b>11</b>	<b>93</b>	<b>11</b>	<b>121</b>	<b>14</b>	<b>110</b>	<b>12</b>
<b>SPA 7: East</b>	<b>129</b>	<b>11</b>	<b>139</b>	<b>12</b>	<b>121</b>	<b>10</b>	<b>142</b>	<b>12</b>	<b>109</b>	<b>9</b>	<b>92</b>	<b>8</b>	<b>103</b>	<b>9</b>	<b>96</b>	<b>8</b>	<b>91</b>	<b>7</b>	<b>114</b>	<b>9</b>
<b>SPA 8: South Bay</b>	<b>159</b>	<b>11</b>	<b>165</b>	<b>12</b>	<b>128</b>	<b>9</b>	<b>138</b>	<b>10</b>	<b>119</b>	<b>8</b>	<b>96</b>	<b>7</b>	<b>106</b>	<b>8</b>	<b>123</b>	<b>9</b>	<b>123</b>	<b>8</b>	<b>114</b>	<b>8</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.



*Mortality in Los Angeles County, 2002*  
**Appendix 12. Trends in suicide mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>1,057</b>	<b>12</b>	<b>902</b>	<b>10</b>	<b>954</b>	<b>11</b>	<b>873</b>	<b>10</b>	<b>776</b>	<b>9</b>	<b>794</b>	<b>9</b>	<b>732</b>	<b>8</b>	<b>711</b>	<b>8</b>	<b>762</b>	<b>8</b>	<b>727</b>	<b>8</b>
<b>Males</b>	<b>819</b>	<b>20</b>	<b>700</b>	<b>17</b>	<b>760</b>	<b>19</b>	<b>675</b>	<b>16</b>	<b>611</b>	<b>15</b>	<b>625</b>	<b>15</b>	<b>579</b>	<b>14</b>	<b>562</b>	<b>14</b>	<b>608</b>	<b>14</b>	<b>564</b>	<b>13</b>
<b>Females</b>	<b>238</b>	<b>6</b>	<b>202</b>	<b>5</b>	<b>194</b>	<b>4</b>	<b>198</b>	<b>4</b>	<b>165</b>	<b>4</b>	<b>169</b>	<b>4</b>	<b>153</b>	<b>3</b>	<b>149</b>	<b>3</b>	<b>154</b>	<b>3</b>	<b>163</b>	<b>3</b>
<b>White</b>	<b>639</b>	<b>17</b>	<b>559</b>	<b>15</b>	<b>610</b>	<b>17</b>	<b>537</b>	<b>15</b>	<b>473</b>	<b>13</b>	<b>510</b>	<b>14</b>	<b>449</b>	<b>13</b>	<b>434</b>	<b>12</b>	<b>443</b>	<b>13</b>	<b>401</b>	<b>12</b>
<b>Hispanic</b>	<b>212</b>	<b>6</b>	<b>199</b>	<b>5</b>	<b>188</b>	<b>6</b>	<b>181</b>	<b>5</b>	<b>166</b>	<b>5</b>	<b>157</b>	<b>5</b>	<b>154</b>	<b>5</b>	<b>155</b>	<b>5</b>	<b>188</b>	<b>5</b>	<b>171</b>	<b>4</b>
<b>Black</b>	<b>86</b>	<b>10</b>	<b>72</b>	<b>8</b>	<b>82</b>	<b>9</b>	<b>72</b>	<b>8</b>	<b>59</b>	<b>7</b>	<b>64</b>	<b>7</b>	<b>52</b>	<b>6</b>	<b>57</b>	<b>6</b>	<b>51</b>	<b>5</b>	<b>72</b>	<b>8</b>
<b>Asian/Pacific Islander</b>	<b>118</b>	<b>12</b>	<b>71</b>	<b>7</b>	<b>72</b>	<b>7</b>	<b>81</b>	<b>7</b>	<b>75</b>	<b>7</b>	<b>62</b>	<b>5</b>	<b>75</b>	<b>6</b>	<b>61</b>	<b>5</b>	<b>78</b>	<b>6</b>	<b>81</b>	<b>6</b>
<b>Males</b>																				
<b>White</b>	<b>492</b>	<b>28</b>	<b>421</b>	<b>24</b>	<b>471</b>	<b>27</b>	<b>402</b>	<b>23</b>	<b>369</b>	<b>21</b>	<b>396</b>	<b>23</b>	<b>343</b>	<b>21</b>	<b>337</b>	<b>20</b>	<b>350</b>	<b>21</b>	<b>297</b>	<b>17</b>
<b>Hispanic</b>	<b>174</b>	<b>9</b>	<b>176</b>	<b>10</b>	<b>167</b>	<b>10</b>	<b>158</b>	<b>9</b>	<b>136</b>	<b>8</b>	<b>130</b>	<b>8</b>	<b>132</b>	<b>8</b>	<b>130</b>	<b>8</b>	<b>161</b>	<b>9</b>	<b>151</b>	<b>8</b>
<b>Black</b>	<b>71</b>	<b>17</b>	<b>51</b>	<b>13</b>	<b>71</b>	<b>16</b>	<b>55</b>	<b>13</b>	<b>46</b>	<b>12</b>	<b>52</b>	<b>12</b>	<b>44</b>	<b>11</b>	<b>44</b>	<b>11</b>	<b>40</b>	<b>9</b>	<b>55</b>	<b>14</b>
<b>Asian/Pacific Islander</b>	<b>81</b>	<b>18</b>	<b>52</b>	<b>11</b>	<b>50</b>	<b>10</b>	<b>59</b>	<b>11</b>	<b>57</b>	<b>11</b>	<b>46</b>	<b>8</b>	<b>60</b>	<b>11</b>	<b>47</b>	<b>9</b>	<b>56</b>	<b>10</b>	<b>59</b>	<b>10</b>
<b>Females</b>																				
<b>White</b>	<b>147</b>	<b>8</b>	<b>138</b>	<b>8</b>	<b>139</b>	<b>8</b>	<b>135</b>	<b>8</b>	<b>104</b>	<b>6</b>	<b>114</b>	<b>6</b>	<b>106</b>	<b>6</b>	<b>97</b>	<b>6</b>	<b>93</b>	<b>5</b>	<b>104</b>	<b>6</b>
<b>Hispanic</b>	<b>38</b>	<b>2</b>	<b>23</b>	<b>1</b>	<b>21</b>	<b>1</b>	<b>23</b>	<b>1</b>	<b>30</b>	<b>2</b>	<b>27</b>	<b>2</b>	<b>22</b>	<b>--</b>	<b>25</b>	<b>1</b>	<b>27</b>	<b>1</b>	<b>20</b>	<b>--</b>
<b>Black</b>	<b>15</b>	<b>--</b>	<b>21</b>	<b>4</b>	<b>11</b>	<b>--</b>	<b>17</b>	<b>--</b>	<b>13</b>	<b>--</b>	<b>12</b>	<b>--</b>	<b>8</b>	<b>--</b>	<b>13</b>	<b>--</b>	<b>11</b>	<b>--</b>	<b>17</b>	<b>--</b>
<b>Asian/Pacific Islander</b>	<b>37</b>	<b>7</b>	<b>19</b>	<b>--</b>	<b>22</b>	<b>4</b>	<b>22</b>	<b>4</b>	<b>18</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>15</b>	<b>--</b>	<b>14</b>	<b>--</b>	<b>22</b>	<b>3</b>	<b>22</b>	<b>3</b>
<b>SPA 1: Antelope Valley</b>	<b>35</b>	<b>15</b>	<b>35</b>	<b>14</b>	<b>28</b>	<b>13</b>	<b>31</b>	<b>12</b>	<b>24</b>	<b>10</b>	<b>33</b>	<b>13</b>	<b>30</b>	<b>11</b>	<b>35</b>	<b>13</b>	<b>32</b>	<b>11</b>	<b>37</b>	<b>14</b>
<b>SPA 2: San Fernando Valley</b>	<b>222</b>	<b>13</b>	<b>198</b>	<b>11</b>	<b>240</b>	<b>13</b>	<b>176</b>	<b>10</b>	<b>172</b>	<b>9</b>	<b>184</b>	<b>10</b>	<b>167</b>	<b>9</b>	<b>165</b>	<b>9</b>	<b>177</b>	<b>9</b>	<b>148</b>	<b>7</b>
<b>SPA 3: San Gabriel</b>	<b>183</b>	<b>12</b>	<b>151</b>	<b>9</b>	<b>135</b>	<b>8</b>	<b>140</b>	<b>9</b>	<b>137</b>	<b>9</b>	<b>127</b>	<b>8</b>	<b>126</b>	<b>8</b>	<b>124</b>	<b>8</b>	<b>131</b>	<b>8</b>	<b>125</b>	<b>7</b>
<b>SPA 4: Metro</b>	<b>134</b>	<b>13</b>	<b>111</b>	<b>10</b>	<b>130</b>	<b>12</b>	<b>136</b>	<b>13</b>	<b>101</b>	<b>9</b>	<b>106</b>	<b>10</b>	<b>111</b>	<b>10</b>	<b>89</b>	<b>8</b>	<b>98</b>	<b>9</b>	<b>97</b>	<b>9</b>
<b>SPA 5: West</b>	<b>92</b>	<b>14</b>	<b>78</b>	<b>12</b>	<b>75</b>	<b>11</b>	<b>79</b>	<b>12</b>	<b>76</b>	<b>11</b>	<b>65</b>	<b>10</b>	<b>63</b>	<b>9</b>	<b>66</b>	<b>10</b>	<b>54</b>	<b>8</b>	<b>61</b>	<b>9</b>
<b>SPA 6: South</b>	<b>94</b>	<b>11</b>	<b>64</b>	<b>8</b>	<b>69</b>	<b>8</b>	<b>48</b>	<b>5</b>	<b>49</b>	<b>6</b>	<b>37</b>	<b>5</b>	<b>42</b>	<b>5</b>	<b>46</b>	<b>5</b>	<b>44</b>	<b>5</b>	<b>44</b>	<b>5</b>
<b>SPA 7: East</b>	<b>118</b>	<b>10</b>	<b>111</b>	<b>10</b>	<b>100</b>	<b>9</b>	<b>90</b>	<b>8</b>	<b>80</b>	<b>7</b>	<b>93</b>	<b>8</b>	<b>63</b>	<b>6</b>	<b>76</b>	<b>7</b>	<b>82</b>	<b>7</b>	<b>70</b>	<b>6</b>
<b>SPA 8: South Bay</b>	<b>163</b>	<b>12</b>	<b>133</b>	<b>10</b>	<b>162</b>	<b>12</b>	<b>154</b>	<b>11</b>	<b>123</b>	<b>9</b>	<b>137</b>	<b>10</b>	<b>121</b>	<b>9</b>	<b>101</b>	<b>7</b>	<b>134</b>	<b>9</b>	<b>131</b>	<b>9</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.  
 --Number of deaths is too small to calculate a reliable rate.

*Mortality in Los Angeles County, 2002*  
**Appendix 13. Trends in drug overdose mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>640</b>	<b>7</b>	<b>560</b>	<b>6</b>	<b>578</b>	<b>6</b>	<b>591</b>	<b>7</b>	<b>467</b>	<b>5</b>	<b>534</b>	<b>6</b>	<b>601</b>	<b>7</b>	<b>505</b>	<b>5</b>	<b>492</b>	<b>5</b>	<b>620</b>	<b>7</b>
<b>Males</b>	<b>530</b>	<b>12</b>	<b>428</b>	<b>10</b>	<b>451</b>	<b>10</b>	<b>449</b>	<b>10</b>	<b>359</b>	<b>8</b>	<b>386</b>	<b>9</b>	<b>464</b>	<b>10</b>	<b>390</b>	<b>9</b>	<b>358</b>	<b>8</b>	<b>450</b>	<b>10</b>
<b>Females</b>	<b>110</b>	<b>2</b>	<b>132</b>	<b>3</b>	<b>127</b>	<b>3</b>	<b>142</b>	<b>3</b>	<b>108</b>	<b>2</b>	<b>148</b>	<b>3</b>	<b>137</b>	<b>3</b>	<b>115</b>	<b>3</b>	<b>134</b>	<b>3</b>	<b>170</b>	<b>4</b>
<b>White</b>	<b>293</b>	<b>8</b>	<b>265</b>	<b>7</b>	<b>271</b>	<b>8</b>	<b>291</b>	<b>8</b>	<b>239</b>	<b>7</b>	<b>276</b>	<b>8</b>	<b>306</b>	<b>9</b>	<b>257</b>	<b>8</b>	<b>249</b>	<b>8</b>	<b>305</b>	<b>10</b>
<b>Hispanic</b>	<b>233</b>	<b>7</b>	<b>175</b>	<b>5</b>	<b>182</b>	<b>6</b>	<b>183</b>	<b>5</b>	<b>132</b>	<b>4</b>	<b>155</b>	<b>5</b>	<b>198</b>	<b>5</b>	<b>157</b>	<b>4</b>	<b>141</b>	<b>4</b>	<b>172</b>	<b>5</b>
<b>Black</b>	<b>101</b>	<b>11</b>	<b>114</b>	<b>13</b>	<b>109</b>	<b>12</b>	<b>110</b>	<b>12</b>	<b>87</b>	<b>10</b>	<b>93</b>	<b>10</b>	<b>92</b>	<b>10</b>	<b>83</b>	<b>9</b>	<b>97</b>	<b>11</b>	<b>133</b>	<b>14</b>
<b>Asian/Pacific Islander</b>	<b>9</b>	<b>--</b>	<b>4</b>	<b>--</b>	<b>9</b>	<b>--</b>	<b>4</b>	<b>--</b>	<b>6</b>	<b>--</b>	<b>6</b>	<b>--</b>	<b>2</b>	<b>--</b>	<b>4</b>	<b>--</b>	<b>5</b>	<b>--</b>	<b>9</b>	<b>--</b>
<b>Males</b>																				
<b>White</b>	<b>235</b>	<b>13</b>	<b>198</b>	<b>11</b>	<b>205</b>	<b>11</b>	<b>211</b>	<b>12</b>	<b>176</b>	<b>10</b>	<b>183</b>	<b>11</b>	<b>228</b>	<b>13</b>	<b>188</b>	<b>11</b>	<b>172</b>	<b>10</b>	<b>202</b>	<b>13</b>
<b>Hispanic</b>	<b>213</b>	<b>13</b>	<b>152</b>	<b>9</b>	<b>156</b>	<b>10</b>	<b>161</b>	<b>10</b>	<b>115</b>	<b>7</b>	<b>132</b>	<b>8</b>	<b>175</b>	<b>10</b>	<b>136</b>	<b>7</b>	<b>118</b>	<b>7</b>	<b>147</b>	<b>8</b>
<b>Black</b>	<b>69</b>	<b>17</b>	<b>76</b>	<b>19</b>	<b>77</b>	<b>19</b>	<b>72</b>	<b>18</b>	<b>63</b>	<b>16</b>	<b>62</b>	<b>15</b>	<b>58</b>	<b>15</b>	<b>58</b>	<b>14</b>	<b>64</b>	<b>16</b>	<b>94</b>	<b>23</b>
<b>Asian/Pacific Islander</b>	<b>9</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>8</b>	<b>--</b>	<b>3</b>	<b>--</b>	<b>2</b>	<b>--</b>	<b>6</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>4</b>	<b>--</b>	<b>4</b>	<b>--</b>	<b>6</b>	<b>--</b>
<b>Females</b>																				
<b>White</b>	<b>58</b>	<b>3</b>	<b>67</b>	<b>4</b>	<b>66</b>	<b>4</b>	<b>80</b>	<b>5</b>	<b>63</b>	<b>4</b>	<b>93</b>	<b>6</b>	<b>78</b>	<b>5</b>	<b>69</b>	<b>4</b>	<b>77</b>	<b>5</b>	<b>103</b>	<b>7</b>
<b>Hispanic</b>	<b>20</b>	<b>1</b>	<b>23</b>	<b>2</b>	<b>26</b>	<b>2</b>	<b>22</b>	<b>1</b>	<b>17</b>	<b>1</b>	<b>23</b>	<b>2</b>	<b>23</b>	<b>1</b>	<b>21</b>	<b>1</b>	<b>23</b>	<b>1</b>	<b>25</b>	<b>1</b>
<b>Black</b>	<b>32</b>	<b>6</b>	<b>38</b>	<b>8</b>	<b>32</b>	<b>7</b>	<b>38</b>	<b>8</b>	<b>24</b>	<b>5</b>	<b>31</b>	<b>6</b>	<b>34</b>	<b>7</b>	<b>25</b>	<b>5</b>	<b>33</b>	<b>7</b>	<b>39</b>	<b>8</b>
<b>Asian/Pacific Islander</b>	<b>0</b>	<b>--</b>	<b>3</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>4</b>	<b>--</b>	<b>0</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>0</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>3</b>	<b>--</b>
<b>SPA 1: Antelope Valley</b>	<b>14</b>	<b>--</b>	<b>11</b>	<b>--</b>	<b>11</b>	<b>--</b>	<b>12</b>	<b>--</b>	<b>11</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>20</b>	<b>--</b>	<b>19</b>	<b>--</b>	<b>17</b>	<b>--</b>	<b>27</b>	<b>8</b>
<b>SPA 2: San Fernando Valley</b>	<b>106</b>	<b>5</b>	<b>106</b>	<b>6</b>	<b>107</b>	<b>6</b>	<b>109</b>	<b>6</b>	<b>73</b>	<b>4</b>	<b>88</b>	<b>4</b>	<b>100</b>	<b>5</b>	<b>86</b>	<b>4</b>	<b>83</b>	<b>4</b>	<b>128</b>	<b>6</b>
<b>SPA 3: San Gabriel</b>	<b>87</b>	<b>5</b>	<b>51</b>	<b>3</b>	<b>70</b>	<b>4</b>	<b>62</b>	<b>4</b>	<b>66</b>	<b>4</b>	<b>74</b>	<b>4</b>	<b>83</b>	<b>5</b>	<b>72</b>	<b>4</b>	<b>66</b>	<b>4</b>	<b>75</b>	<b>4</b>
<b>SPA 4: Metro</b>	<b>88</b>	<b>8</b>	<b>89</b>	<b>8</b>	<b>94</b>	<b>9</b>	<b>98</b>	<b>9</b>	<b>79</b>	<b>7</b>	<b>90</b>	<b>9</b>	<b>94</b>	<b>9</b>	<b>91</b>	<b>8</b>	<b>66</b>	<b>6</b>	<b>77</b>	<b>7</b>
<b>SPA 5: West</b>	<b>40</b>	<b>6</b>	<b>47</b>	<b>7</b>	<b>32</b>	<b>5</b>	<b>34</b>	<b>5</b>	<b>32</b>	<b>5</b>	<b>43</b>	<b>6</b>	<b>43</b>	<b>7</b>	<b>25</b>	<b>4</b>	<b>32</b>	<b>5</b>	<b>49</b>	<b>7</b>
<b>SPA 6: South</b>	<b>87</b>	<b>12</b>	<b>76</b>	<b>10</b>	<b>71</b>	<b>9</b>	<b>80</b>	<b>11</b>	<b>62</b>	<b>8</b>	<b>67</b>	<b>9</b>	<b>59</b>	<b>8</b>	<b>48</b>	<b>6</b>	<b>44</b>	<b>6</b>	<b>71</b>	<b>9</b>
<b>SPA 7: East</b>	<b>95</b>	<b>8</b>	<b>74</b>	<b>7</b>	<b>76</b>	<b>7</b>	<b>76</b>	<b>7</b>	<b>55</b>	<b>5</b>	<b>63</b>	<b>6</b>	<b>80</b>	<b>7</b>	<b>62</b>	<b>5</b>	<b>71</b>	<b>6</b>	<b>55</b>	<b>5</b>
<b>SPA 8: South Bay</b>	<b>92</b>	<b>6</b>	<b>69</b>	<b>5</b>	<b>88</b>	<b>6</b>	<b>84</b>	<b>6</b>	<b>66</b>	<b>5</b>	<b>74</b>	<b>5</b>	<b>94</b>	<b>7</b>	<b>74</b>	<b>5</b>	<b>77</b>	<b>5</b>	<b>101</b>	<b>7</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.  
 --Number of deaths is too small to calculate a reliable rate.

*Mortality in Los Angeles County, 2002*  
**Appendix 14. Trends in HIV mortality, 1993-2002**

	1993		1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*	No. of deaths	Death rate*
<b>Los Angeles County</b>	<b>2,300</b>	<b>26</b>	<b>2,431</b>	<b>27</b>	<b>2,342</b>	<b>26</b>	<b>1,505</b>	<b>17</b>	<b>680</b>	<b>7</b>	<b>552</b>	<b>6</b>	<b>581</b>	<b>6</b>	<b>506</b>	<b>6</b>	<b>558</b>	<b>6</b>	<b>502</b>	<b>5</b>
<b>Males</b>	<b>2,161</b>	<b>49</b>	<b>2,255</b>	<b>51</b>	<b>2,164</b>	<b>48</b>	<b>1,366</b>	<b>30</b>	<b>596</b>	<b>13</b>	<b>468</b>	<b>10</b>	<b>506</b>	<b>11</b>	<b>442</b>	<b>10</b>	<b>485</b>	<b>11</b>	<b>428</b>	<b>9</b>
<b>Females</b>	<b>139</b>	<b>3</b>	<b>176</b>	<b>4</b>	<b>178</b>	<b>4</b>	<b>139</b>	<b>3</b>	<b>84</b>	<b>2</b>	<b>84</b>	<b>2</b>	<b>75</b>	<b>2</b>	<b>64</b>	<b>1</b>	<b>73</b>	<b>2</b>	<b>74</b>	<b>2</b>
<b>White</b>	<b>1,223</b>	<b>33</b>	<b>1,215</b>	<b>34</b>	<b>1,099</b>	<b>31</b>	<b>624</b>	<b>18</b>	<b>262</b>	<b>8</b>	<b>218</b>	<b>6</b>	<b>236</b>	<b>7</b>	<b>187</b>	<b>6</b>	<b>195</b>	<b>6</b>	<b>151</b>	<b>5</b>
<b>Hispanic</b>	<b>582</b>	<b>18</b>	<b>635</b>	<b>20</b>	<b>686</b>	<b>21</b>	<b>490</b>	<b>14</b>	<b>218</b>	<b>6</b>	<b>186</b>	<b>5</b>	<b>178</b>	<b>5</b>	<b>155</b>	<b>5</b>	<b>182</b>	<b>5</b>	<b>187</b>	<b>5</b>
<b>Black</b>	<b>441</b>	<b>47</b>	<b>526</b>	<b>57</b>	<b>505</b>	<b>54</b>	<b>354</b>	<b>38</b>	<b>186</b>	<b>20</b>	<b>139</b>	<b>15</b>	<b>155</b>	<b>17</b>	<b>150</b>	<b>16</b>	<b>170</b>	<b>18</b>	<b>148</b>	<b>16</b>
<b>Asian/Pacific Islander</b>	<b>47</b>	<b>5</b>	<b>53</b>	<b>5</b>	<b>45</b>	<b>4</b>	<b>35</b>	<b>3</b>	<b>12</b>	<b>--</b>	<b>8</b>	<b>--</b>	<b>12</b>	<b>--</b>	<b>8</b>	<b>--</b>	<b>9</b>	<b>--</b>	<b>14</b>	<b>--</b>
<b>Males</b>																				
<b>White</b>	<b>1,180</b>	<b>63</b>	<b>1,172</b>	<b>63</b>	<b>1,059</b>	<b>58</b>	<b>592</b>	<b>33</b>	<b>245</b>	<b>14</b>	<b>205</b>	<b>12</b>	<b>212</b>	<b>12</b>	<b>172</b>	<b>10</b>	<b>180</b>	<b>10</b>	<b>140</b>	<b>8</b>
<b>Hispanic</b>	<b>538</b>	<b>34</b>	<b>581</b>	<b>37</b>	<b>629</b>	<b>38</b>	<b>436</b>	<b>25</b>	<b>186</b>	<b>11</b>	<b>155</b>	<b>9</b>	<b>164</b>	<b>9</b>	<b>140</b>	<b>8</b>	<b>156</b>	<b>9</b>	<b>165</b>	<b>9</b>
<b>Black</b>	<b>396</b>	<b>92</b>	<b>451</b>	<b>107</b>	<b>428</b>	<b>101</b>	<b>303</b>	<b>72</b>	<b>152</b>	<b>36</b>	<b>100</b>	<b>24</b>	<b>120</b>	<b>29</b>	<b>118</b>	<b>29</b>	<b>138</b>	<b>33</b>	<b>109</b>	<b>26</b>
<b>Asian/Pacific Islander</b>	<b>40</b>	<b>8</b>	<b>49</b>	<b>9</b>	<b>41</b>	<b>8</b>	<b>33</b>	<b>6</b>	<b>11</b>	<b>--</b>	<b>7</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>7</b>	<b>--</b>	<b>9</b>	<b>--</b>	<b>12</b>	<b>--</b>
<b>Females</b>																				
<b>White</b>	<b>43</b>	<b>2</b>	<b>43</b>	<b>3</b>	<b>40</b>	<b>2</b>	<b>32</b>	<b>2</b>	<b>17</b>	<b>--</b>	<b>13</b>	<b>--</b>	<b>24</b>	<b>1</b>	<b>15</b>	<b>--</b>	<b>15</b>	<b>--</b>	<b>11</b>	<b>--</b>
<b>Hispanic</b>	<b>44</b>	<b>3</b>	<b>54</b>	<b>3</b>	<b>57</b>	<b>4</b>	<b>54</b>	<b>3</b>	<b>32</b>	<b>2</b>	<b>31</b>	<b>2</b>	<b>14</b>	<b>--</b>	<b>15</b>	<b>--</b>	<b>26</b>	<b>1</b>	<b>22</b>	<b>1</b>
<b>Black</b>	<b>45</b>	<b>9</b>	<b>75</b>	<b>15</b>	<b>77</b>	<b>15</b>	<b>51</b>	<b>10</b>	<b>34</b>	<b>7</b>	<b>39</b>	<b>8</b>	<b>35</b>	<b>7</b>	<b>32</b>	<b>6</b>	<b>32</b>	<b>6</b>	<b>39</b>	<b>8</b>
<b>Asian/Pacific Islander</b>	<b>7</b>	<b>--</b>	<b>4</b>	<b>--</b>	<b>4</b>	<b>--</b>	<b>2</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>2</b>	<b>--</b>	<b>1</b>	<b>--</b>	<b>0</b>	<b>--</b>	<b>2</b>	<b>--</b>
<b>SPA 1: Antelope Valley</b>	<b>29</b>	<b>11</b>	<b>26</b>	<b>9</b>	<b>25</b>	<b>8</b>	<b>23</b>	<b>8</b>	<b>15</b>	<b>--</b>	<b>14</b>	<b>--</b>	<b>8</b>	<b>--</b>	<b>9</b>	<b>--</b>	<b>19</b>	<b>--</b>	<b>11</b>	<b>--</b>
<b>SPA 2: San Fernando Valley</b>	<b>359</b>	<b>19</b>	<b>375</b>	<b>20</b>	<b>335</b>	<b>18</b>	<b>224</b>	<b>12</b>	<b>83</b>	<b>4</b>	<b>85</b>	<b>4</b>	<b>80</b>	<b>4</b>	<b>63</b>	<b>3</b>	<b>74</b>	<b>4</b>	<b>68</b>	<b>3</b>
<b>SPA 3: San Gabriel</b>	<b>204</b>	<b>13</b>	<b>215</b>	<b>13</b>	<b>242</b>	<b>15</b>	<b>129</b>	<b>8</b>	<b>81</b>	<b>5</b>	<b>62</b>	<b>4</b>	<b>62</b>	<b>4</b>	<b>45</b>	<b>3</b>	<b>47</b>	<b>3</b>	<b>51</b>	<b>3</b>
<b>SPA 4: Metro</b>	<b>859</b>	<b>78</b>	<b>885</b>	<b>82</b>	<b>830</b>	<b>77</b>	<b>502</b>	<b>45</b>	<b>211</b>	<b>19</b>	<b>184</b>	<b>17</b>	<b>183</b>	<b>17</b>	<b>171</b>	<b>16</b>	<b>155</b>	<b>14</b>	<b>133</b>	<b>12</b>
<b>SPA 5: West</b>	<b>114</b>	<b>17</b>	<b>135</b>	<b>21</b>	<b>134</b>	<b>20</b>	<b>75</b>	<b>11</b>	<b>33</b>	<b>5</b>	<b>17</b>	<b>--</b>	<b>22</b>	<b>3</b>	<b>16</b>	<b>--</b>	<b>19</b>	<b>--</b>	<b>16</b>	<b>--</b>
<b>SPA 6: South</b>	<b>235</b>	<b>29</b>	<b>264</b>	<b>34</b>	<b>276</b>	<b>35</b>	<b>179</b>	<b>23</b>	<b>94</b>	<b>12</b>	<b>67</b>	<b>8</b>	<b>85</b>	<b>12</b>	<b>83</b>	<b>11</b>	<b>90</b>	<b>11</b>	<b>87</b>	<b>11</b>
<b>SPA 7: East</b>	<b>138</b>	<b>12</b>	<b>175</b>	<b>15</b>	<b>168</b>	<b>14</b>	<b>125</b>	<b>11</b>	<b>45</b>	<b>4</b>	<b>48</b>	<b>4</b>	<b>43</b>	<b>4</b>	<b>32</b>	<b>3</b>	<b>42</b>	<b>4</b>	<b>42</b>	<b>4</b>
<b>SPA 8: South Bay</b>	<b>339</b>	<b>24</b>	<b>347</b>	<b>23</b>	<b>316</b>	<b>22</b>	<b>240</b>	<b>16</b>	<b>115</b>	<b>8</b>	<b>74</b>	<b>5</b>	<b>91</b>	<b>6</b>	<b>83</b>	<b>6</b>	<b>97</b>	<b>6</b>	<b>85</b>	<b>6</b>

Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.

\*Per 100,000 adjusted by age. See definition in Technical Notes.  
 --Number of deaths is too small to calculate a reliable rate.

*Mortality in Los Angeles County, 2002*  
**Appendix 15. Comparison of the leading causes of death, 1993-2002**

**Leading causes of death**

Year	#1 cause No. of deaths	#2 cause No. of deaths	#3 cause No. of deaths	#4 cause No. of deaths	#5 cause No. of deaths	#6 cause No. of deaths	#7 cause No. of deaths	#8 cause No. of deaths	#9 cause No. of deaths	#10 cause No. of deaths
2002	Coronary heart disease 16,293	Stroke 4,169	Lung cancer 3,081	Emphysema 2,604	Pneumonia & influenza 2,494	Diabetes 2,122	Colorectal cancer 1,315	Homicide 1,148	Liver disease 1,085	Breast cancer 1,064
2001	Coronary heart disease 16,828	Stroke 4,259	Lung cancer 3,232	Emphysema 2,723	Pneumonia & influenza 2,421	Diabetes 1,890	Colorectal cancer 1,423	Homicide 1,099	Breast cancer 1,096	Liver disease 1,010
2000	Coronary heart disease 16,903	Stroke 4,410	Lung cancer 3,150	Emphysema 2,660	Pneumonia & influenza 2,477	Diabetes 1,879	Colorectal cancer 1,360	Liver disease 1,121	Breast cancer 1,058	Homicide 992
1999	Coronary heart disease 17,394	Stroke 4,435	Lung cancer 3,243	Emphysema 2,836	Pneumonia & influenza 2,242	Diabetes 1,820	Colorectal cancer 1,378	Breast cancer 1,101	Liver disease 1,047	Homicide 896
<i>Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.</i>										
1998	Coronary heart disease 17,163	Stroke 3,928	Pneumonia & influenza 3,594	Lung cancer 3,150	Emphysema 2,553	Diabetes 1,753	Colorectal cancer 1,302	Breast cancer 1,135	Liver disease 1,019	Homicide 984
1997	Coronary heart disease 17,448	Stroke 4,160	Pneumonia & influenza 3,346	Lung cancer 3,316	Emphysema 2,565	Diabetes 1,746	Colorectal cancer 1,336	Homicide 1,232	Breast cancer 1,120	Liver disease 1,041
1996	Coronary heart disease 17,153	Stroke 4,061	Lung cancer 3,302	Pneumonia & influenza 2,984	Emphysema 2,307	Diabetes 1,647	HIV 1,505	Homicide 1,449	Colorectal cancer 1,325	Breast cancer 1,142
1995	Coronary heart disease 17,487	Stroke 4,073	Lung cancer 3,372	Pneumonia & influenza 2,933	HIV 2,342	Emphysema 2,255	Homicide 1,716	Diabetes 1,533	Colorectal cancer 1,394	Breast cancer 1,186
1994	Coronary heart disease 18,385	Stroke 4,186	Lung cancer 3,368	Pneumonia & influenza 2,888	HIV 2,431	Emphysema 2,369	Homicide 1,752	Diabetes 1,431	Colorectal cancer 1,383	Breast cancer 1,238
1993	Coronary heart disease 18,557	Stroke 4,109	Lung cancer 3,420	Pneumonia & influenza 2,905	HIV 2,300	Emphysema 2,237	Homicide 1,978	Colorectal cancer 1,435	Breast cancer 1,202	Diabetes 1,100

Appendix 16. Comparison of the leading causes of premature death, 1993-2002

Leading causes of premature\* death

Year	#1 cause	#2 cause	#3 cause	#4 cause	#5 cause	#6 cause	#7 cause	#8 cause	#9 cause	#10 cause
2002	Coronary heart disease	Homicide	Motor vehicle crash	Lung cancer	Suicide	Liver disease	Drug overdose	Stroke	HIV	Diabetes
2001	Coronary heart disease	Homicide	Motor vehicle crash	Suicide	Lung cancer	Liver disease	HIV	Stroke	Drug overdose	Diabetes
2000	Coronary heart disease	Homicide	Motor vehicle crash	Lung cancer	Liver disease	Suicide	Stroke	Drug overdose	HIV	Breast cancer
1999	Coronary heart disease	Homicide	Motor vehicle crash	Lung cancer	Suicide	Drug overdose	HIV	Liver disease	Stroke	Diabetes
<i>Because of changes to the International Classification of Diseases (ICD), 1993-1998 may not be comparable to 1999-2002.</i>										
1998	Coronary heart disease	Homicide	Motor vehicle crash	Suicide	Lung cancer	Liver disease	HIV	Drug overdose	Stroke	Breast cancer
1997	Coronary heart disease	Homicide	Motor vehicle crash	HIV	Suicide	Lung cancer	Liver disease	Stroke	Drug overdose	Breast cancer
1996	Coronary heart disease	Homicide	HIV	Motor vehicle crash	Suicide	Lung cancer	Drug overdose	Liver disease	Stroke	Breast cancer
1995	HIV	Homicide	Coronary heart disease	Motor vehicle crash	Suicide	Lung cancer	Drug overdose	Stroke	Liver disease	Breast cancer
1994	HIV	Homicide	Coronary heart disease	Motor vehicle crash	Suicide	Lung cancer	Liver disease	Drug overdose	Stroke	Breast cancer
1993	Homicide	HIV	Coronary heart disease	Motor vehicle crash	Suicide	Lung cancer	Drug overdose	Liver disease	Stroke	Breast cancer

\*Death before age 75 years.

*Mortality in Los Angeles County, 2002*

**Appendix 17. Los Angeles County population estimate and United States standard population**

**Los Angeles County population estimate, 2002\***

		Age Group (years)										
	Less than 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	All ages
<b>Males</b>												
White	13,648	54,766	164,495	164,739	198,161	259,362	245,443	167,735	112,650	96,329	36,123	1,513,451
Hispanic	47,278	189,121	482,363	404,933	419,089	336,399	200,108	98,590	52,975	27,990	7,900	2,266,746
Black	6,845	27,648	83,208	67,985	58,139	70,600	55,968	35,349	23,591	13,205	4,102	446,640
Asian/Pacific Islander	7,034	28,208	83,222	95,980	99,095	96,667	89,606	55,413	34,860	21,842	6,550	618,477
American Indian/Alaska Native	77	900	2,361	2,087	2,205	2,550	2,057	1,321	697	311	110	14,676
<b>All races</b>	<b>74,882</b>	<b>300,643</b>	<b>815,649</b>	<b>735,724</b>	<b>776,689</b>	<b>765,578</b>	<b>593,182</b>	<b>358,408</b>	<b>224,773</b>	<b>159,677</b>	<b>54,785</b>	<b>4,859,990</b>
<b>Females</b>												
White	13,003	52,164	156,796	158,993	189,071	237,091	236,242	172,391	128,583	133,252	74,105	1,551,691
Hispanic	45,014	180,095	460,990	379,164	392,103	323,847	218,355	117,434	72,793	43,046	16,429	2,249,270
Black	6,519	26,319	81,943	71,797	70,854	83,530	68,001	44,872	30,333	21,156	10,242	515,566
Asian/Pacific Islander	6,674	26,838	77,596	94,058	109,005	111,599	106,843	64,102	44,092	29,058	9,964	679,829
American Indian/Alaska Native	59	864	2,242	2,098	2,297	2,518	2,300	1,553	754	398	228	15,311
<b>All races</b>	<b>71,269</b>	<b>286,280</b>	<b>779,567</b>	<b>706,110</b>	<b>763,330</b>	<b>758,585</b>	<b>631,741</b>	<b>400,352</b>	<b>276,555</b>	<b>226,910</b>	<b>110,968</b>	<b>5,011,667</b>
<b>Los Angeles County</b>												
White	26,651	106,930	321,291	323,732	387,232	496,453	481,685	340,126	241,233	229,581	110,228	3,065,142
Hispanic	92,292	369,216	943,353	784,097	811,192	660,246	418,463	216,024	125,768	71,036	24,329	4,516,016
Black	13,364	53,967	165,151	139,782	128,993	154,130	123,969	80,221	53,924	34,361	14,344	962,206
Asian/Pacific Islander	13,708	55,046	160,818	190,038	208,100	208,266	196,449	119,515	78,952	50,900	16,514	1,298,306
American Indian/Alaska Native	136	1,764	4,603	4,185	4,502	5,068	4,357	2,874	1,451	709	338	29,987
<b>All races</b>	<b>146,151</b>	<b>586,923</b>	<b>1,595,216</b>	<b>1,441,834</b>	<b>1,540,019</b>	<b>1,524,163</b>	<b>1,224,923</b>	<b>758,760</b>	<b>501,328</b>	<b>386,587</b>	<b>165,753</b>	<b>9,871,657</b>

**United States standard population, 2000\*\***

		Age Group (years)										
	Less than 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	All ages
<b>United States</b>												
<b>All races</b>	<b>13,818</b>	<b>55,317</b>	<b>145,565</b>	<b>138,646</b>	<b>135,573</b>	<b>162,613</b>	<b>134,834</b>	<b>87,247</b>	<b>66,037</b>	<b>44,842</b>	<b>15,508</b>	<b>1,000,000</b>

\*Population Estimation and Projection System 2002 (Estimates), October 2002, WRMA (John Hedderson).

\*\*Anderson RN, Rosenberg HM. Age standardization of death rates: Implementation of the year 2000 standard. National Vital Statistics Reports; Vol. 47 No. 3. Hyattsville, Maryland: National Center for Health Statistics, 1998.





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