



Mortality in Los Angeles County




The Annual Report and Data Trends

A presentation by the Office of Health Assessment and Epidemiology

Importance of Mortality Data

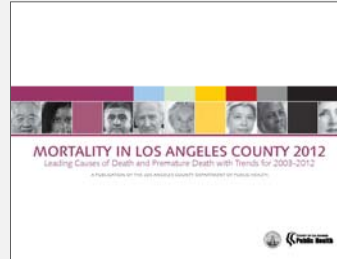


- Presents snapshot of the general health status of a population.
- Shows differences in cause of death between population groups.
- Informs communities, stakeholders and policymakers who implement programs and interventions that reduce premature mortality and improve quality of life.
- Serves as indicator for federal, state and local resource allocation.
- Informs epidemiological disease surveillance.
- Guides population forecasting.



Los Angeles County Mortality Report

- Published annually, beginning with data for 2001
- Includes:
 - Leading causes of death
 - Leading causes of premature death (before age 75)
 - Data and trend highlights
 - Distribution by: age, race/ethnicity, gender, health district, service planning area (SPA)
- Available online!
<http://publichealth.lacounty.gov/dca/dcareportspubs.htm>



Mortality Indicators

- **Cause of death:** underlying cause of death from death certificate.
- **Premature death:** death occurring before the age of 75. Calculated by years of potential life lost (YPLL).
 - Ex. Person who dies at age 32: $75 - 32 = 43$ YPLL
- **Death rate:** number of deaths divided by the population at risk. Typically, the number of deaths per 100,000 population.




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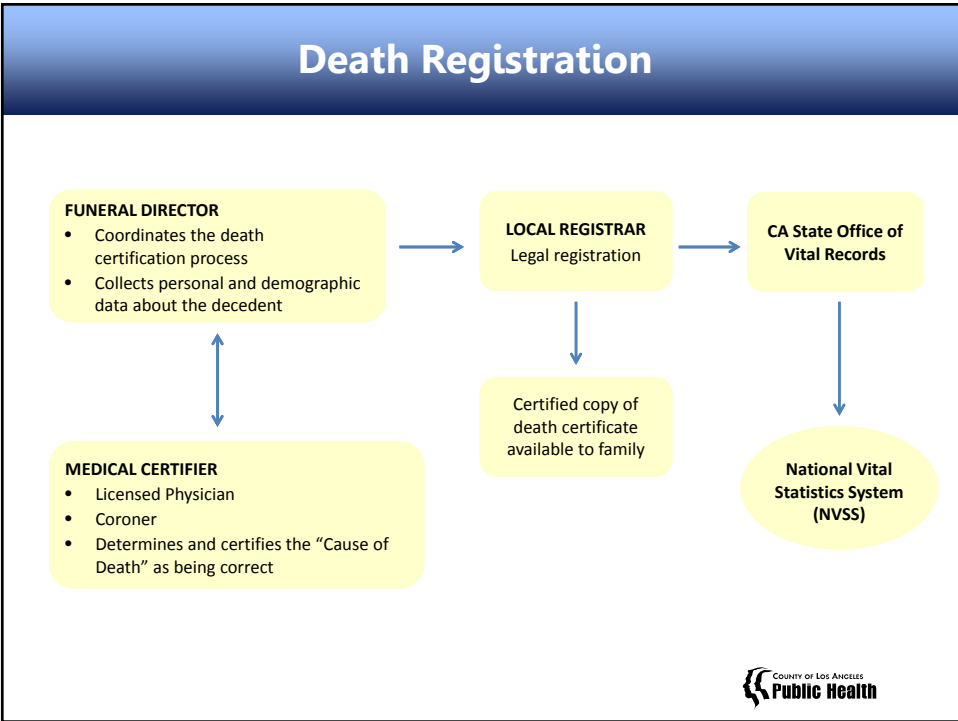
Mortality Indicators

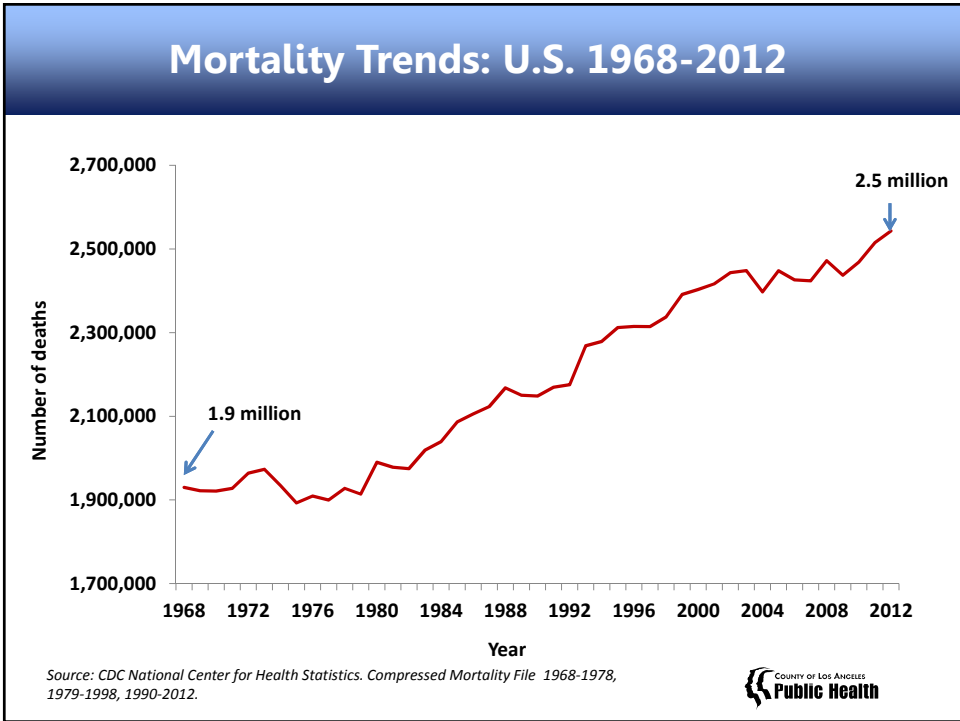
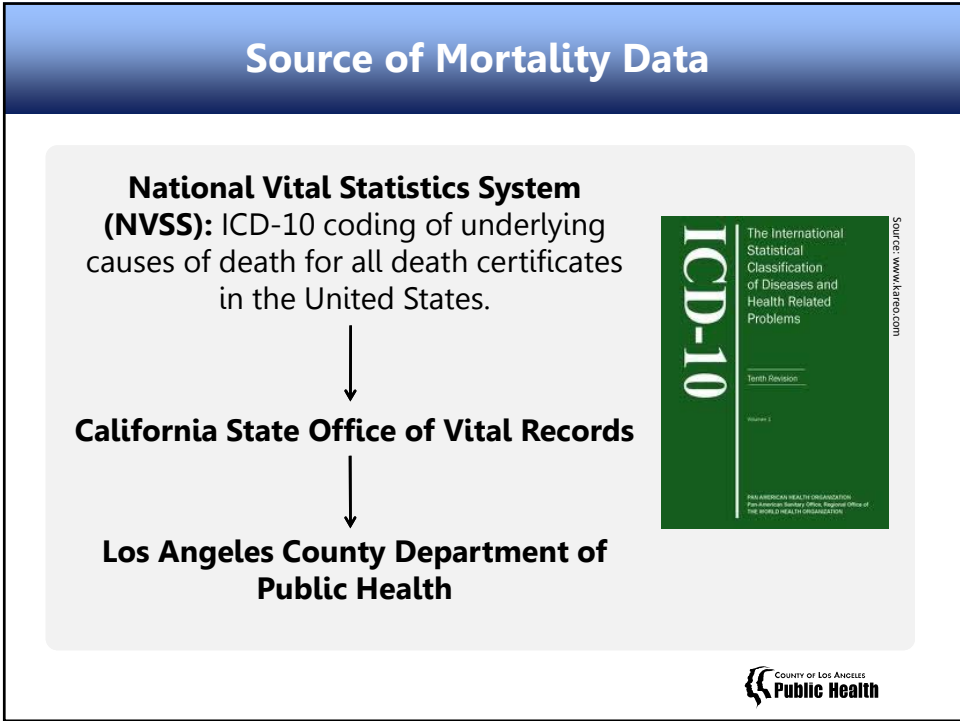
- **Age-adjusted death rate:** uses a standard population to remove the confounding effects of age.
- **Age-specific death rate:** number of deaths in a specific age group divided by the population at risk in that age group.
- **Median age of death:** midpoint of a set of age of death values.
 - Ex. The median of this range of values: 10, 52, 29, 83, 76 is 52.

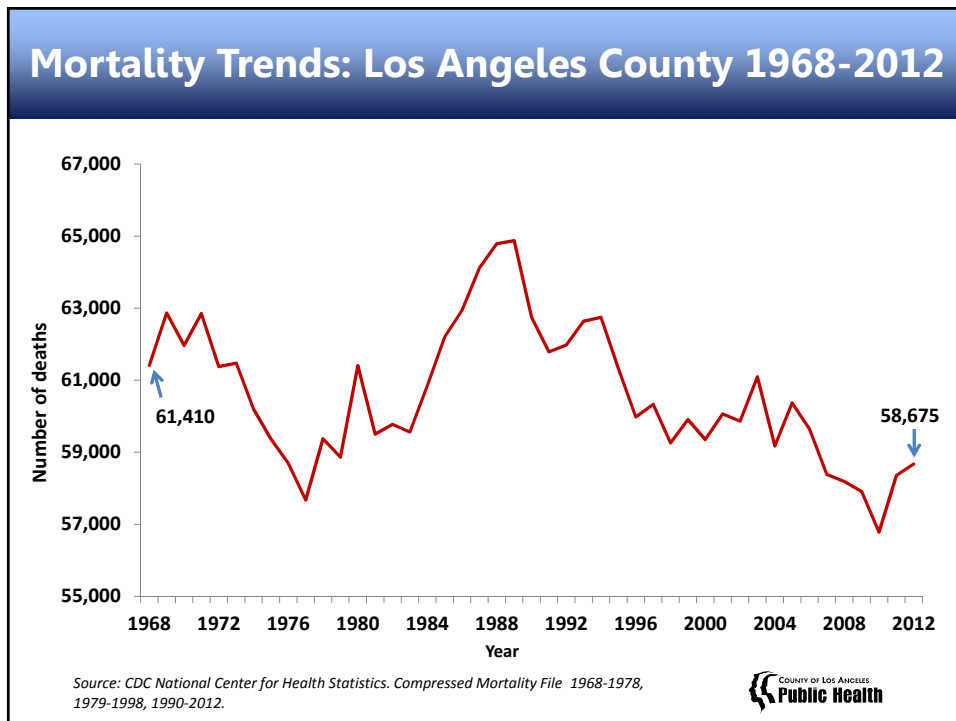
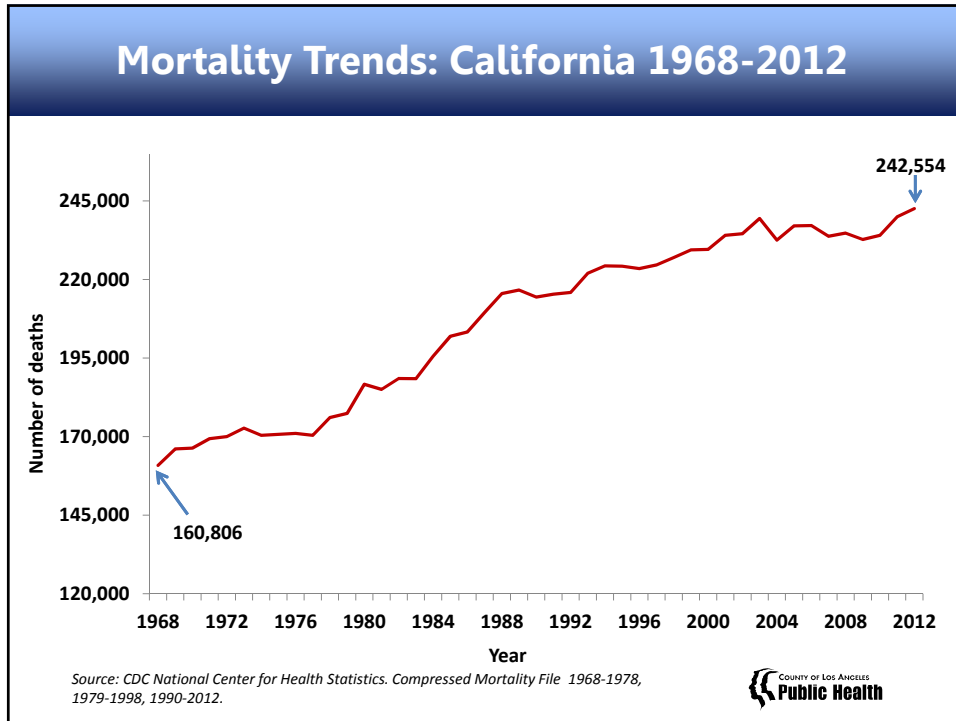


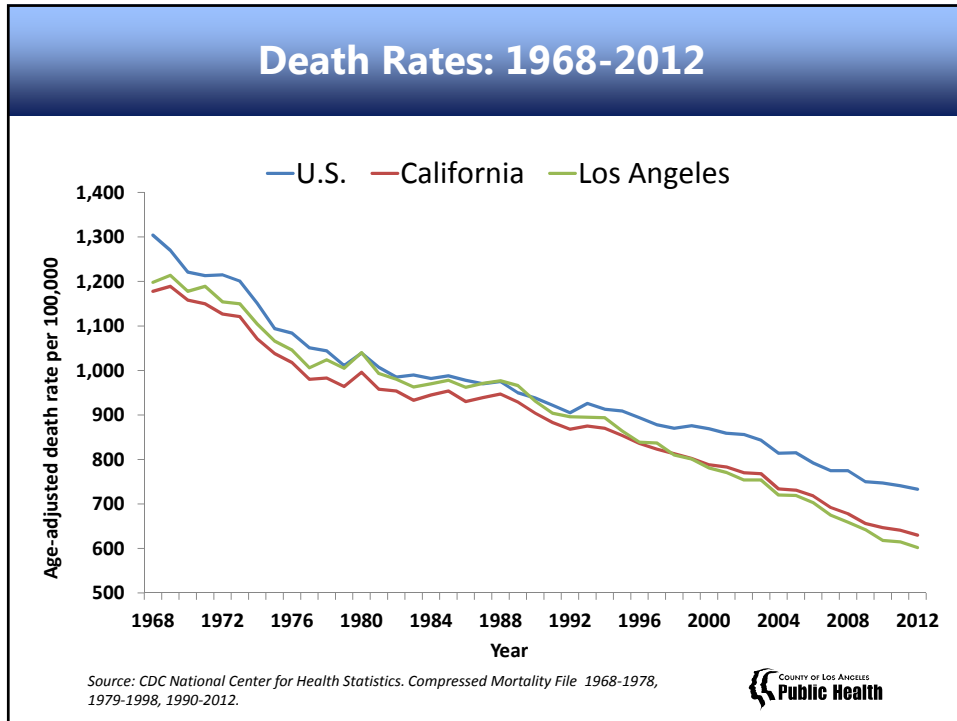
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10 Leading Causes of Death, 2012

LOS ANGELES COUNTY: 58,498 Total deaths

Cause of death	Total deaths	Rate*
1. Coronary heart disease	11,677	115
2. Stroke	3,360	33
3. Lung cancer	2,809	29
4. Chronic obstructive pulmonary disease	2,646	27
5. Alzheimer's disease	2,476	24
6. Diabetes	2,204	22
7. Pneumonia/influenza	2,048	20
8. Colorectal cancer	1,397	14
9. Liver disease/cirrhosis	1,275	12
10. Hypertension/renal disease	1,242	12

* Age-adjusted death rate per 100,000

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10 Leading Causes of Premature Death, 2012

LOS ANGELES COUNTY: 431,534 Total YPLL

Cause of death	YPLL
1. Coronary heart disease	52,263
2. Homicide	24,905
3. Motor vehicle crash	22,895
4. Liver disease/cirrhosis	20,788
5. Suicide	20,683
6. Drug overdose	18,206
7. Lung cancer	16,858
8. Diabetes	16,041
9. Stroke	14,855
10. Breast cancer (female)	12,798



10 Leading Causes of Death, 2003-2012

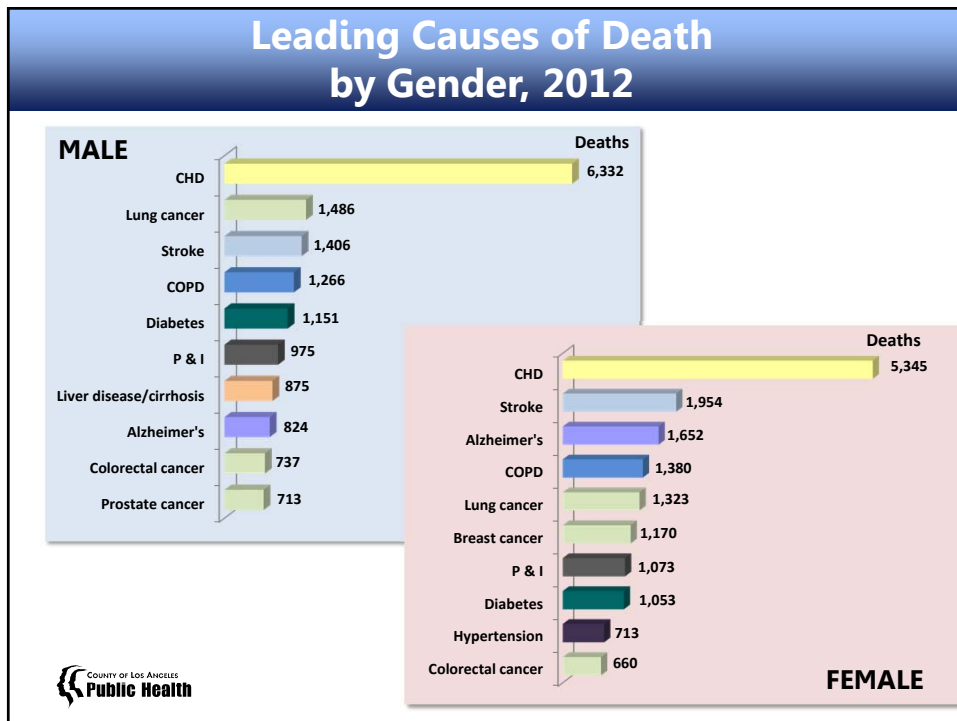
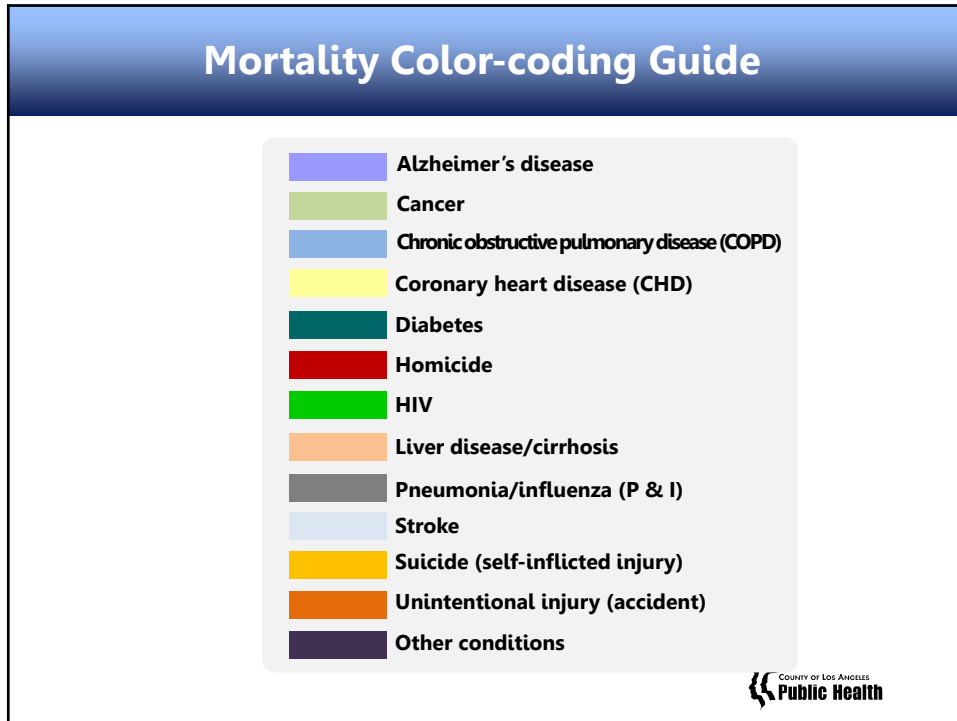
LOS ANGELES COUNTY DEATH RATES 2003 vs. 2012

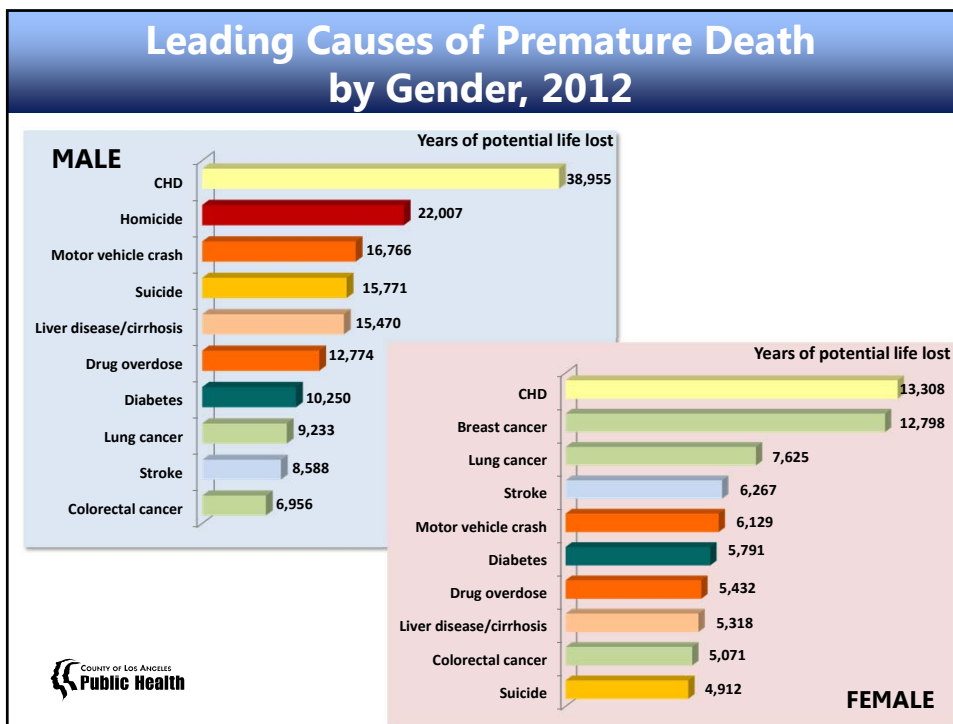
Cause of death	2003*	2012*	% change**
1. Coronary heart disease	199	115	-42%
2. Stroke	52	33	-36%
3. Lung cancer	39	29	-26%
4. COPD	35	27	-23%
5. Alzheimer's disease	16	24	+52%
6. Diabetes	27	22	-16%
7. Pneumonia/influenza	30	20	-32%
8. Colorectal cancer	18	14	-21%
9. Liver disease/cirrhosis	12	12	+4%
10. Hypertension/renal disease	9	12	+39%

*Age-adjusted death rate per 100,000

**Calculated before rates were rounded







Highlights

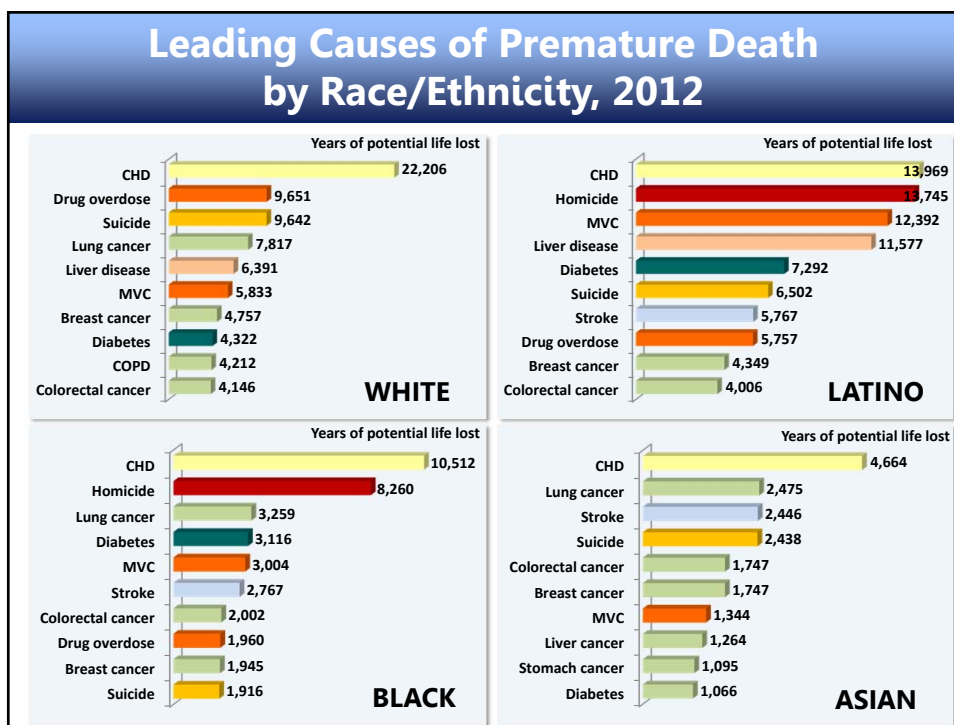
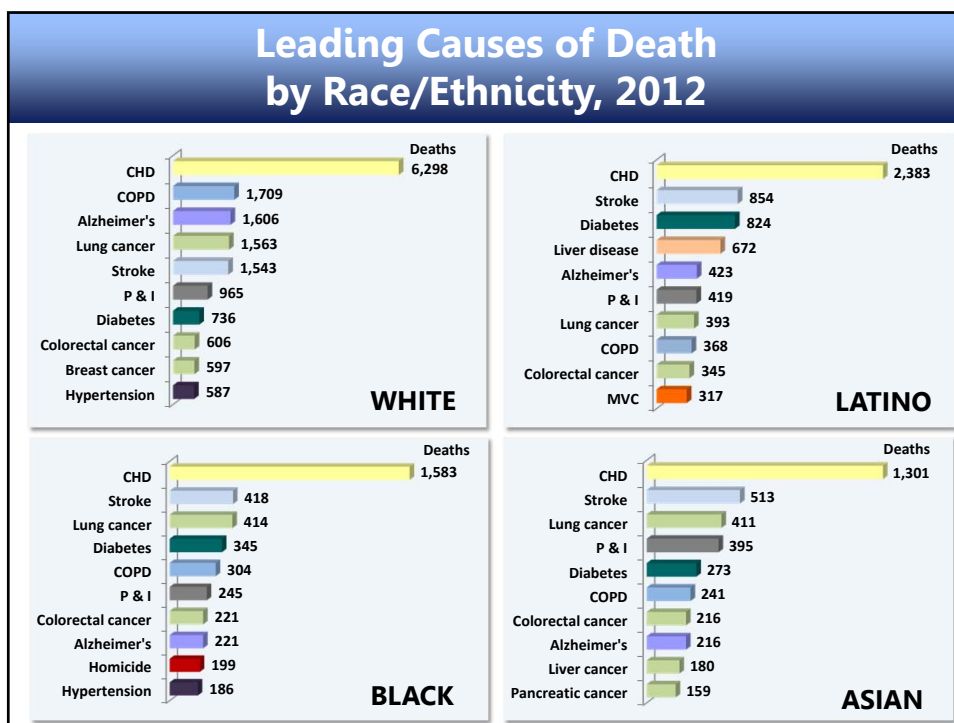
MALE

- CHD leading cause of death and premature death.
- Lung cancer 2nd leading cause of death.
- Homicide 2nd leading cause of premature death.
- Colon cancer 9th leading cause of death and 10th leading cause of premature death.
- Median age at death was **74**.

FEMALE

- CHD leading cause of death and premature death.
- Breast cancer 6th leading cause of death and the 2nd leading cause of premature death.
- Alzheimer's disease 3rd leading cause of death vs 8th for men.
- Median age at death was **82**.

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Highlights

WHITE

- CHD leading cause of death and premature death.
- Drug overdose 2nd leading cause of premature death.
- Whites had more deaths from CHD (6,298) than all other races combined (5,267).

LATINO


- CHD leading cause of death and premature death.
- Stroke 2nd leading cause of death.
- Homicide 2nd leading cause of premature death

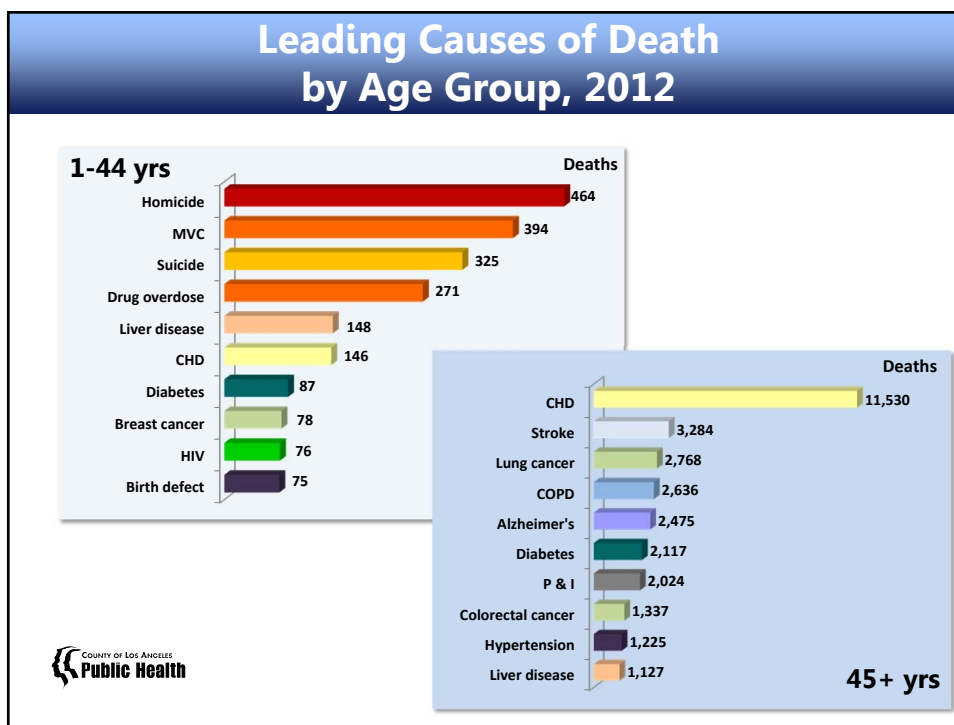
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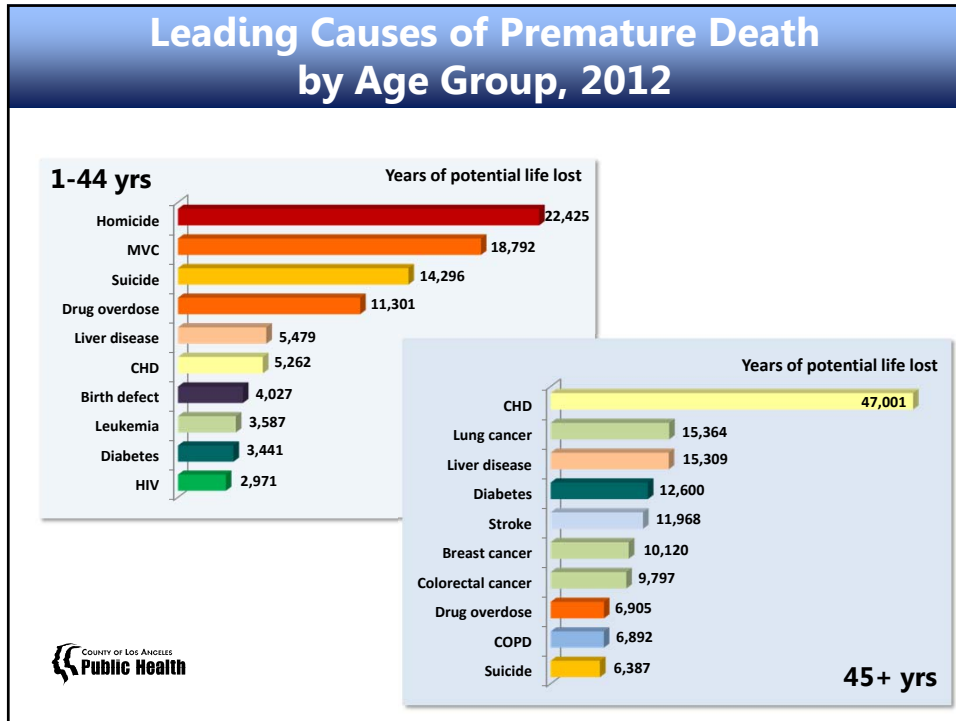
- CHD leading cause of death and premature death.
- Homicide 2nd leading cause of premature death and 9th leading cause of death.

ASIAN

- CHD leading cause of death and premature death.
- Cancer of various types is an important cause of premature death.







Highlights

1-44 YEARS

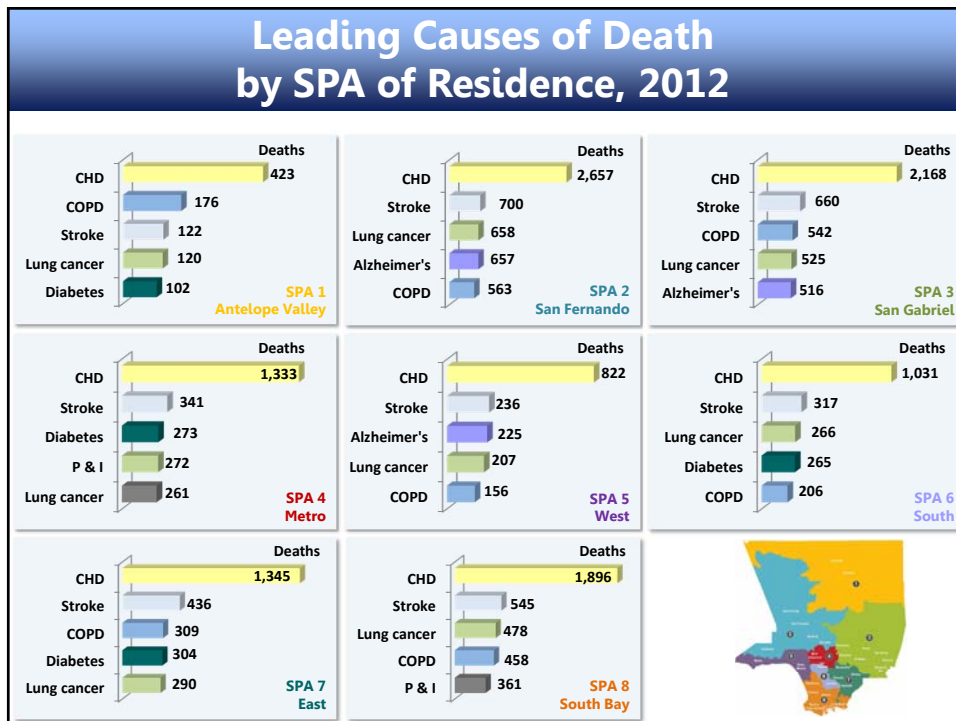
- **6%** of all deaths in LA County (3,673 total).
- **Homicide** leading cause of death.
- Injuries comprised the top 4 leading causes of death (**homicide, motor vehicle crash, suicide, overdose**).
- Injuries accounted for 43% of all deaths.
- **CHD** 6th leading cause of death.
- **HIV** 9th leading cause of death.

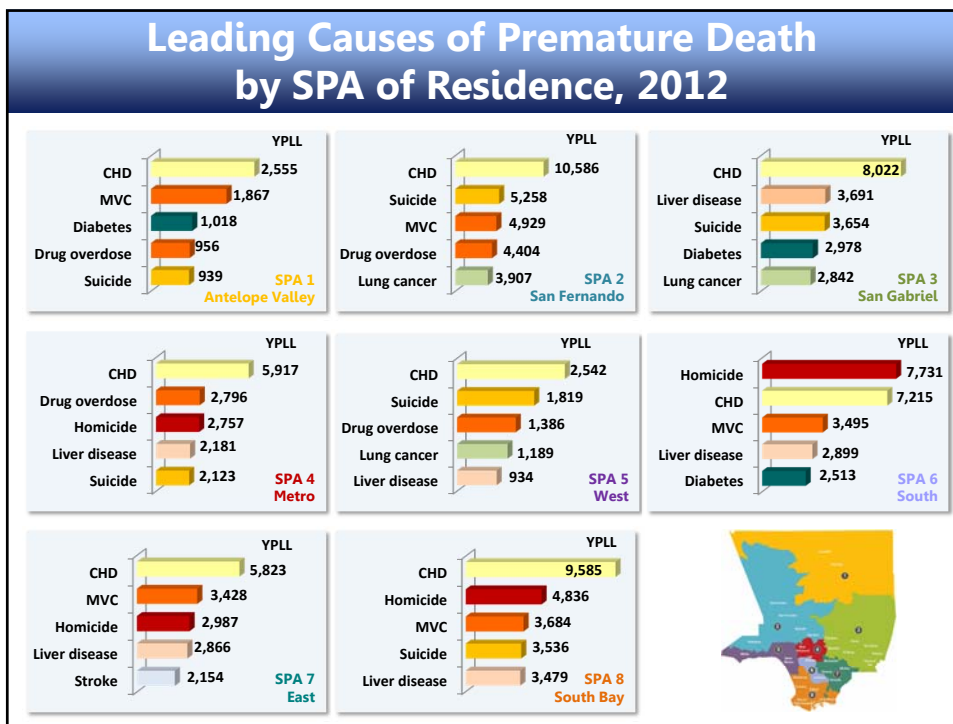
45+ YEARS

- **93%** of all deaths in LA County* (54,256 total).
- **CHD** leading cause of death.
- 66% of all **CHD** deaths were among persons age 75 and older (7,623 deaths).
- One-fourth of all deaths were caused by **cancer**.
- **Alzheimer's disease** 5th leading cause of death.

*The last 1% occurs in <1 year olds.

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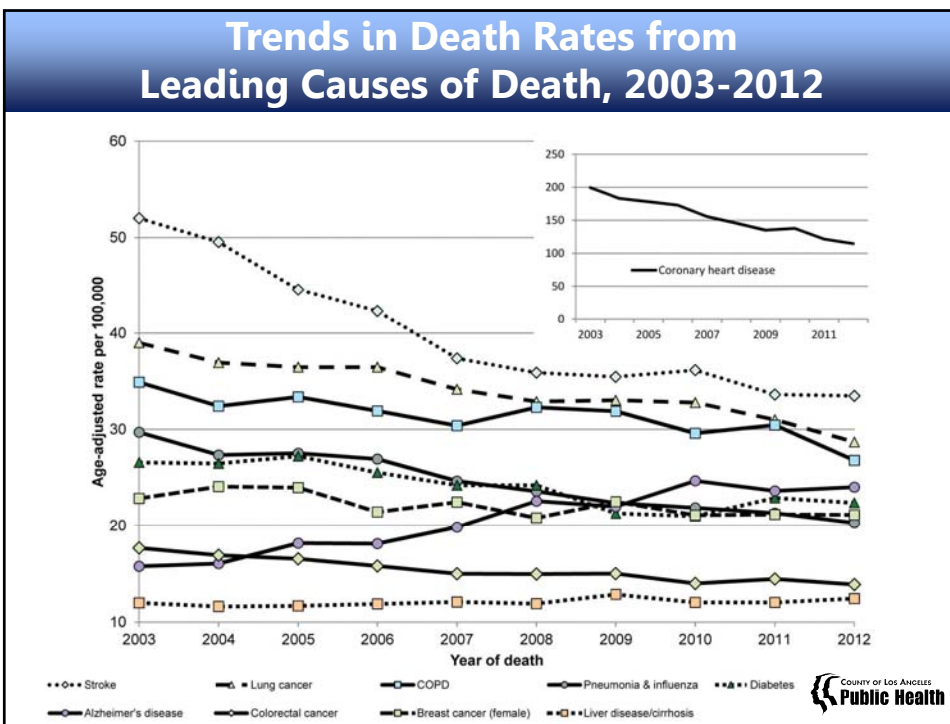




Highlights

- Coronary heart disease** Is the leading cause of death in every SPA.
- Stroke** Is the 2nd-leading cause of death in 7 of 8 SPAs.
- Lung cancer** Is a leading cause of death in every SPA.
- Coronary heart disease** Is the leading cause of premature death for all SPAs except SPA 6 (homicide).
- Injuries** Are the 2nd most common cause of premature death.

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Data Highlights 2012

- On an average day in the County, **160 people died**.
- Coronary heart disease has been the leading cause of death every year for the past decade!
- 20% of all deaths in 2012 were caused by coronary heart disease (11,677 deaths).
- The four leading causes of death have remained unchanged during the last 10 years: **coronary heart disease, stroke, lung cancer, and COPD**.

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Data Highlights 2012

- Of all cancer deaths, lung cancer was the most common (2,809 deaths), followed by colon cancer (1,397 deaths) and breast cancer (1,176 deaths).
- The median age at death for men was **74 years** compared to **82 years** for women.
- Since 2003, the number of deaths from Alzheimer's disease has nearly doubled from 1,285 in 2003 to 2,476 in 2012.
- Overall, 57% of all deaths occurred in persons 75 years of age and older.



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L.A. HealthDataNow!



Online query system to obtain mortality statistics by cause of death, demographic group and geographic area.

<https://dqs.publichealth.lacounty.gov/>



