Heart Disease and Stroke Statistics—2022 Update: A Report From the American Heart Association

What’s New This Year?

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Key Information*

• The age-adjusted US death rate attributable to cardiovascular disease (CVD), based on 2019 data, is 214.6 per 100,000.

• On average, someone dies of CVD every 36.1 seconds in the US. There are 2,396 deaths from CVD each day, based on 2019 data.

• On average, someone in the US has a stroke every 40 seconds. There are about 795,000 new or recurrent strokes each year, based on 1999 data.

• On average, someone dies of a stroke every 3 minutes and 30 seconds in the US. There are about 411 deaths from stroke each day, based on 2019 data.

*Please see the Heart Disease and Stroke Statistics-2022 Update for the sources of data and key information presented in this document.
Key Information*

• 121.5 million, or 47% of US adults have hypertension, based on 2015 to 2018 data.

• Approximately 1 in 4 (24.0%) US adults reported achieving adequate leisure-time aerobic and muscle-strengthening activities to meet the physical activity guidelines, based on 2018 data.

• 1 in 7 male adults and 1 in 8 female adults in the US are current smokers, based on 2019 data.

• In the prior 30 days, 19.6% of high school students used e-cigarettes, based on 2020 data. In the prior 30 days, 4.5% of adults used e-cigarettes every day or on some days, based on 2019 data.

*Please see the Heart Disease and Stroke Statistics-2022 Update for the sources of data and key information presented in this document.
Deaths attributable to diseases of the heart, US, 1900-2019.

Please see Chapter 14 in the Heart Disease and Stroke Statistics-2022 Update for additional information and data source.

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Coronary heart disease includes International Classification of Diseases, 10th Revision (ICD-10) codes I20 to I25; stroke, I60 to I69; HF, I50; high blood pressure, I10 to I13 and I15; diseases of the arteries, I70 to I78; and other, all remaining ICD-10 I categories.

Please see Chapter 14 in the Heart Disease and Stroke Statistics-2022 Update for additional information and data source.
Cardiovascular disease and other major causes of death for all US males and females, 2019.

CVD includes ICD I00-I99. Please see Chapter 14 in the Heart Disease and Stroke Statistics-2022 Update for additional information and data source.
What’s New Overall?

- The 2022 Statistical Update added one new chapter:
  Chapter 16: Brain Health
- Inclusion of COVID-19 research
  Due to the publication timeline, most research included was early-pandemic research published in 2020.
New data

The 2022 Statistical Update contains updated data for many sources used in each annual Statistical Update. Updated data includes (parentheses include the most recent year or years of data available and presented in the 2022 Statistical Update):

- Mortality (2019)
- Hospital Discharges (2016)
- Physician Office Visits (2018)
- Emergency Department Visits (2018)
- Global CVD Mortality (2017-2019)
- Global Burden of Disease Study (2020)
- Smoking (2019-2020)

- In-Hospital Cardiac Arrest and Out-of-Hospital Cardiac Arrest (2020)
- Quality of Care Data for Heart Failure, Stroke, Myocardial Infarction, and Resuscitation (2019-2020)
- Medical Procedures (2020)
- Each chapter in the Statistical Update contains new text bullets and reprinted charts and tables from a plethora of 2020 publications and a few early-2021 publications.
The Office of Science, Medicine and Health produces related Fact Sheets for the Association. These fact sheets contain key statistics for each of the following and will be available on January 26th, 2022 at:

www.heart.org/statistics

American Indians/Alaska Natives and CVD
Asians/Pacific Islanders and CVD
Blacks and CVD
Children and CVD
Females and CVD
Hispanics/Latinos and CVD
Males and CVD
Older Americans and CVD
Whites and CVD

Cardiovascular Health
Congenital Heart Defects
Global Burden of Disease
Heart Disease and Stroke Statistics – At-a-Glance

Many statistics in this Fact Sheet come from unpublished tabulations compiled for this document and can be cited using the document citation listed on the title page of this presentation. The data sources used for the tabulations are listed in the full document. Additionally, some statistics come from published studies. If you are citing any of the statistics in this presentation, please review the full Heart Disease and Stroke Statistics document to determine data sources and original citations.

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