

Heart Attack Mortality

This metadata page provides a brief summary of this dataset. Please refer to the detailed metadata provided by the US Centers for Disease Control and Prevention (CDC) the [Tracking Network](#) for more information on data methods and limitations. Please refer to the contact information on the last page under 'Questions?'

Definition

Heart attack, or acute myocardial infarction (AMI), is caused by heart disease. The term “heart disease” refers to several types of heart conditions. The most common type of heart disease in the United States is coronary artery disease (CAD), which affects the blood flow to the heart. Decreased blood flow can cause a heart attack.

Data Source(s)

- [CDC Tracking Network and Data Explorer](#)
- [National Vital Statistics System from National Center for Health Statistics \(NCHS\)](#)
- [National Center for Health Statistics](#)

The Louisiana Department of Health (LDH) Environmental Public Health Tracking Program downloads these data from the CDC’s Tracking Network Data Explorer (URL above), by Louisiana Parish (County). The data are processed and added to the LDH Health Data Explorer as sample data which can be viewed next to other health, environmental hazard, exposure and population health (sociodemographic or US Census Bureau) data.

Vintage: The latest dataset available from LDH Tracking as of Jan 2023:

- Age-adjusted death rate per 100,000 population for adults 35 years and older: data years **2000-2020**

Data Measure(s)

The LDH Tracking program provides data visualization on the following measures:

- Age-adjusted Death Rate Per 100,000 population

Explore Data

The LDH Health Data Explorer (<http://ldh.la.gov/tracking>) is an online query tool which allows health, environmental hazard, exposure and population data to be explored and viewed side-by-side in tables, charts, and maps. These data can be viewed, printed and downloaded for further analysis.

To *Explore Data* on the query tool:

Select Criteria

Category: **Health Outcomes**

Topic: **Heart Attack Deaths**

Focus: **Acute Myocardial Infarction (AMI) Mortality**

Heart Attack Mortality and your Health

According to the CDC, someone has a heart attack every 40 seconds in the United States. Every year, about 805,000 people have a heart attack. About 1 in 5 heart attacks are silent—the damage is done, but the person is not aware of it. High blood pressure, high blood cholesterol, and smoking are key risk factors for heart disease. Decreasing the risk for heart attack mortality includes managing any risk factors, medical conditions that play a role as a risk factor, and managing lifestyle choices.

Heart Attack Mortality and the Environment

As of 2020, heart disease is the leading cause of death in Louisiana. The LDH Tracking Network is providing these as sample data and including them in data visualizations due to the associations between heart attack and the environment which may include air pollution, heat, and heavy metal exposure. Please refer to the LDH Tracking Heart Attack hospitalization metadata page for additional information.

Data Methods, Data Limitations and Important Considerations

The [Metadata](#) associated with this dataset can be found on the CDC website under:

- Indicators and Data
 - Search: Mortality from Heart Attack
 - Metadata Search, or
 - through CDC's Network and Data Explorer

Please refer to their website for updates and current information.

Please note the following important data limitations:

- Intercensal estimates were used for 2000-2009; Postcensal estimates were used for 2010 - forward.
- Death Certificates: Death investigation laws vary by locale. In addition, variations may occur between localities in how medical examiners/coroners/physicians assign intentionality.
- Census data: Population data from US census data is not annually collected but only available every 10 years; therefore, postcensal or intercensal estimates are needed when calculating rates for years following the census year.

Data Re-release

This is a public dataset which can be freely shared. Personally identifiable health information has been removed. Please refer to the Data Methods section of the CDC metadata for more information.

Data Citations

Please cite the US CDC, LDH Environmental Public Health Tracking Program Cooperative Agreement

NUE1EH001490, and any data source(s) listed on Page 1 when re-sharing or applying these data in analyses or publications.

Disclaimer

Data are intended to spur further research and should be used only as a starting point to understanding how the environment and other contributing factors may be connected to disease. Datasets presented on the LDH Health Data Explorer site are intended to answer some basic questions, but should ultimately lead to further inquiry and more detailed study.

Data limitations should be noted when conducting exploratory ecological studies with these data. Limitations may include data gaps, reporting discrepancies (for example, a disruption of reporting or instrument recording) and insufficient data are all potentially confounding factors. There are numerous additional factors which may contribute to disease onset. These include genetics, access to health care, existing health conditions, medicines, other chemical substances we come into contact with or ingest, nutrition, route and duration of exposure, level of activity, level of stress, and others.

Any perceived relationship, trend, or pattern apparent in the data should not be interpreted to imply causation; may in fact be unrelated; and should be regarded as preliminary, and potentially erroneous, until more in-depth study and if applicable, statistical evaluation, can be applied.

The LDH Bureau of Health Informatics and Environmental Public Health Tracking Program cannot guarantee the completeness of the information contained in these datasets and expressly disclaim liability for errors and omissions in their content.

Additional Information

Please visit the following links for more information on Heart Attack Mortality.

- [CDC Heart Disease Facts](#)
- [CDC Heart Disease Statistics](#)
- [CDC Heart Disease Mortality by State](#)
- [American Heart Association](#)

Questions?

- Email: healthdata@la.gov
- Website: <http://ldh.la.gov/tracking>
- Toll free Phone: 1-888-293-7020