

DATABASE SPOTLIGHT

CDC Wonder

<https://wonder.cdc.gov/>

WHAT IS CDC WONDER?

CDC WONDER -- **W**ide-ranging **O**nline **D**ata for **E**pidemiologic **R**esearch -- an easy-to-use, menu-driven system that makes the information resources of the CDC available to public health professionals and the public at large.

Collections of public-use data for:

- U.S. births
- Deaths
- Cancer Diagnoses
- Tuberculosis Cases
- Vaccinations
- Environmental Exposures
- Population Estimates
- And Many Others

The screenshot shows the CDC WONDER Systems website interface. At the top, there are three navigation tabs: "WONDER Systems", "Topics", and "A-Z Index". Below the tabs, the page is organized into several sections:

- WONDER Online Databases**:
 - ▶ [AIDS Public Use Data](#)
 - ▶ [Births](#)
 - ▶ [Cancer Statistics](#)
- Deaths**:
 - All Ages**
 - ▶ [Underlying Cause of Death](#)
 - ▶ [Multiple Cause of Death \(Provisional\)](#)
 - ▶ [Multiple Cause of Death \(Final\)](#)
 - ▶ [U.S. - Mexico Border Area Mortality](#)
 - ▶ [Compressed Mortality](#)
 - ▶ [Fetal Deaths](#)
 - ▶ [Infant Deaths](#)
- Environment**:
 - ▶ [Heat Wave Days May-September](#)
 - ▶ [Daily Air Temperatures & Heat Index](#)
 - ▶ [Daily Land Surface Temperatures](#)
 - ▶ [Daily Fine Particulate Matter](#)
 - ▶ [Daily Sunlight](#)
 - ▶ [Daily Precipitation](#)
 - ▶ [Online Tuberculosis Information System](#)
- Population**:
 - ▶ [Bridged-Race Population \(from NCHS\)](#)
 - ▶ [Single-Race Population \(from Census\)](#)
 - ▶ [Population Projections \(from Census\)](#)
 - ▶ [Sexually Transmitted Disease Morbidity](#)
 - ▶ [Vaccine Adverse Event Reporting](#)

On the right side of the page, there are two additional sections:

- Reports and References**:
 - ▶ [Prevention Guidelines \(Archive\)](#)
 - ▶ [Scientific Data and Documentation \(Archive\)](#)
- Other Query Systems**:
 - ▶ [Healthy People 2010 \(Archive\)](#)
 - ▶ [NNDSS Annual Tables](#)
 - ▶ [NNDSS Weekly Tables](#)
 - ▶ [122 Cities Weekly Mortality \(Archive\)](#)

At the bottom of the page, there is a note: "▶ Denotes numerical data available to query or download".

USE CDC WONDER TO....

- Customize queries by time period, geography, place of death, demographics, and cause of death
- Visualize results
- Save and share queries
- Easily export results into text files

CDC WONDER IN ACTION:

Geographic distributions of motor neuron disease mortality and well water use in U.S. counties

<https://www.tandfonline.com/doi/full/10.1080/21678421.2016.1264975>

Motor neuron disease mortality rates in U.S. states are associated with well water use

<https://www.tandfonline.com/doi/full/10.1080/21678421.2016.1195409>

HELPFUL RESOURCES:

- Intro to CDC Wonder – Part of a series of videos on Working with Wonder:
<https://www.youtube.com/watch?v=J5VGWaQEzng>

- CDC Wonder Demo:
<https://www.youtube.com/watch?v=e98zOThPEXc>

- How to Access Data from CDC's VAERS WONDER System:
<https://www.youtube.com/watch?v=cOH7cFWS7o4>

<https://www.youtube.com/watch?v=hTsXeANLj20>

**IF YOU ARE INTERESTED IN
LEARNING MORE ABOUT CDC
WONDER, PLEASE CONTACT
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