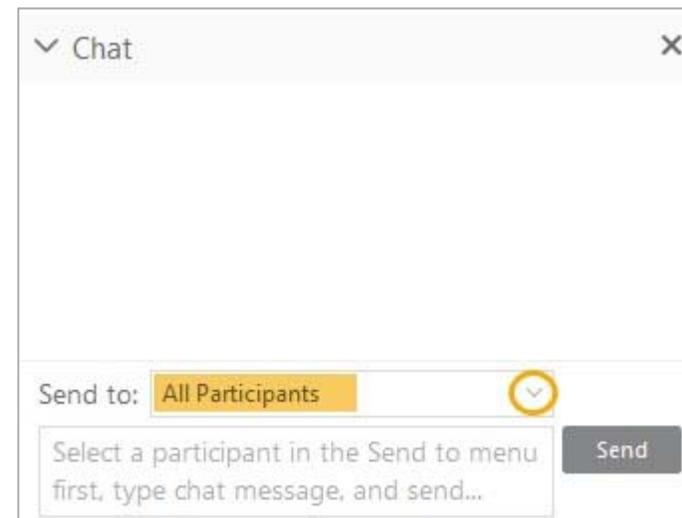
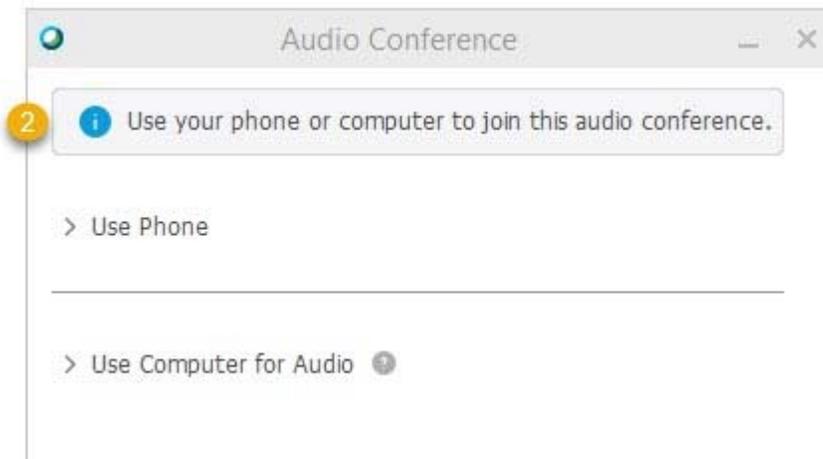


The webinar will begin at 12:00 PM ET

While you're waiting...

Check your audio connection and find the chat box:





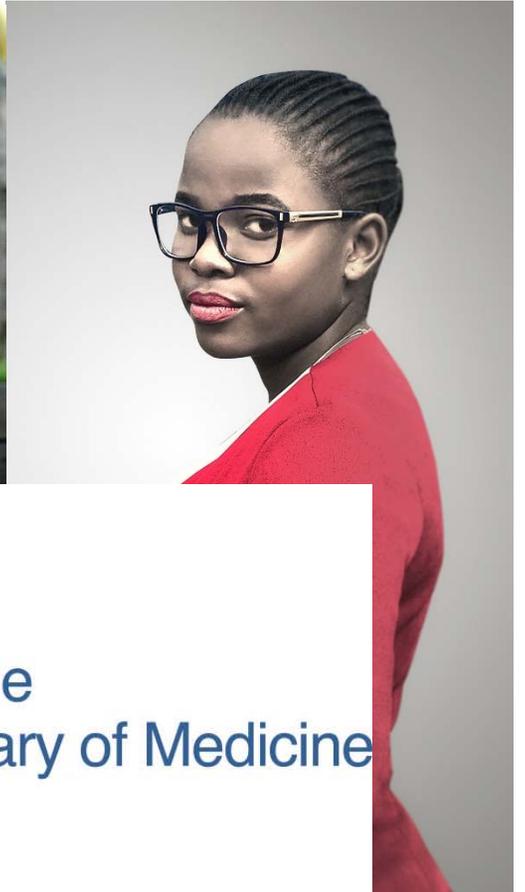
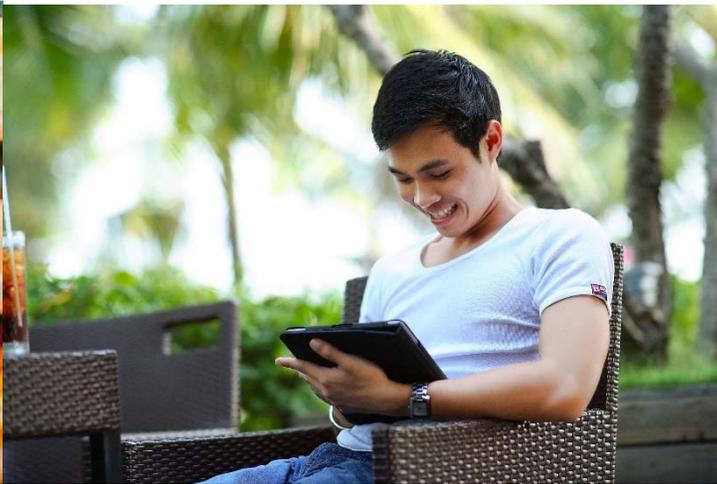
Health Statistics on the Web

Network of the
National
Library of
Medicine

Oct. 15
2020

Housekeeping

- Closed captioning is available – link provided in the chat box.
- This session is being recorded and will be available on the NNLM YouTube Channel in a few weeks.
- Chat your questions to “All Participants” throughout the session.
- Participants in this class are eligible for MLA CE and CHES CECH.
- **Your feedback matters!** Please complete the evaluation at the end of the webinar to claim CHES CECH and receive a code for MLA CE. Thank you for helping us improve future trainings.

The logo for the Network of the National Library of Medicine (NNLM) features a stylized map of the United States composed of a network of grey lines and dots. The letters "NNLM" are prominently displayed in a bold, blue, sans-serif font across the center of the map. To the right of the map, the text "Network of the National Library of Medicine" is written in a blue, sans-serif font.

NNLM Network of the National Library of Medicine



Objectives



Understand the 4-step process used to successfully locate relevant health statistics for a particular circumstance or issue



Achieve a general understanding of the types of data sets and statistics available on the Internet



Identify selected key websites for use in the location of data sets and statistics for use at the local, state and national level, including PHPartners and MedlinePlus



Describe where to locate additional health statistics training through the National Information Center on Health Services Research & Health Care Technology (NICHSR)

Agenda

Statistics Overview

- Data vs. Statistics
- Key Features of Health Statistics
- Uses of Health Statistics

Steps to Finding Health Statistics

Sources of Health Statistics

- Portals
- National
- Local



Data vs. Statistics

Data

- “Raw” numbers
- Counts of individual events or services
- Collected at local, state, national, or international level

Data set

- Data collected and arranged logically according to definite criteria
- Major unit of data storage and retrieval
- May/may not represent entire population

Statistics

- Data already analyzed and summarized
- Information presented as text, figures, graphs, or maps
- Most data on websites is compiled statistics

Key Features of Health Statistics

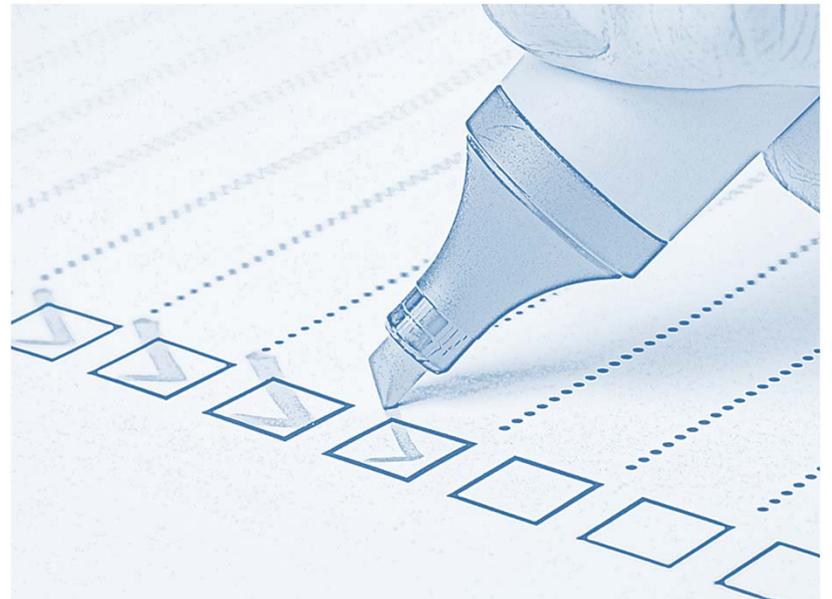
- “Numerical data that characterize the health of a population and the influences that affect its health”¹
- Population based
- Measure a wide range of health indicators with varying sources of data
- Often collected and analyzed over a period of time
- Point to remember: *statistics are collected to meet the needs of the collector*

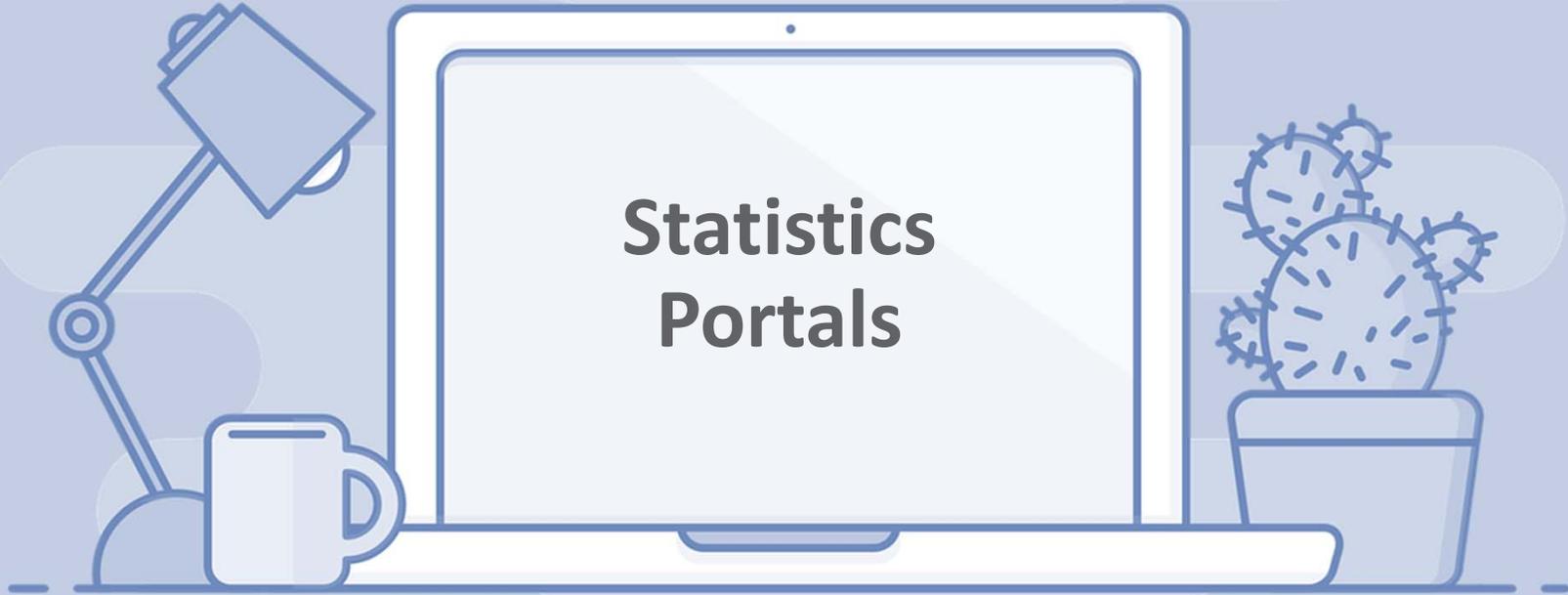
Uses of Health Statistics

1. Provide information about the health of a population and what influences it
 - Help an individual place themselves in context of their community
 - Gauge health disparities
 - Understand disease occurrence
2. Guide policy development
3. Guide public health program development and evaluation
 - Support funding
 - Show if a program is improving health
 - Help a developer know the best topic for a program or policy¹

Steps to Finding Health Statistics

1. Formulate the question
2. Choose the best resource for the question
3. Evaluate the results
4. Repeat as often as necessary



A stylized illustration of a desk setup. In the center is a laptop with the text 'Statistics Portals' on its screen. To the left of the laptop is a desk lamp with a square shade and a circular base. Below the lamp is a mug. To the right of the laptop is a potted cactus with several round segments and spines. The entire scene is rendered in a light blue color scheme with white outlines.

Statistics Portals



- Partners in Information Access for the Public Health Workforce
- Collaboration of U.S. government agencies, public health organizations, and health sciences libraries
- Focus is to encourage collaboration and organize health information resources for use by public health professionals
- Includes topic pages on relevant public health topics, including a data and statistics portal

National Center for Health Statistics (NCHS)

- Has been part of the Centers for Disease Control and Prevention since 1987
- Principal health statistics agency for the U.S.
- Provides information to support actions and policies relevant to health of the American people
- Brings together data from a number of sources



MedlinePlus Topic Pages

NIH U.S. National Library of Medicine



Search MedlinePlus

GO

[About MedlinePlus](#) [What's New](#) [Site Map](#) [Customer Support](#)

Health Topics

Drugs & Supplements

Videos & Tools

Español



Health Topics

Find information on health, wellness, disorders and conditions

Share MedlinePlus



Learn how to make this **low-fat pumpkin bread.**



WISCONSIN DEPARTMENT
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Diseases &
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Health Care &
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Topics A-Z:

A

B

C

D

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Louisiana Health Report Card 2017



Submitted by the Louisiana Department of Health
To the Governor and the Legislature
March 2018



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HEALTHY CHICAGO 2.0

COMMUNITY HEALTH ASSESSMENT:
INFORMING EFFORTS TO ACHIEVE HEALTH EQUITY
2016-2020

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INDIVIDUAL STATE AND METROPOLITAN DATA



National Library of Medicine
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Behavioral Risk Factor Surveillance System (BRFSS)

- Sponsored by the CDC and other federal agencies
- World's largest continuously conducted health survey
- 506,000 surveys completed in 2014
- Collects self-reported data from those in all 50 states, D.C., Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, and Palau on:
 - Health behaviors
 - Chronic conditions
 - Use of preventive services

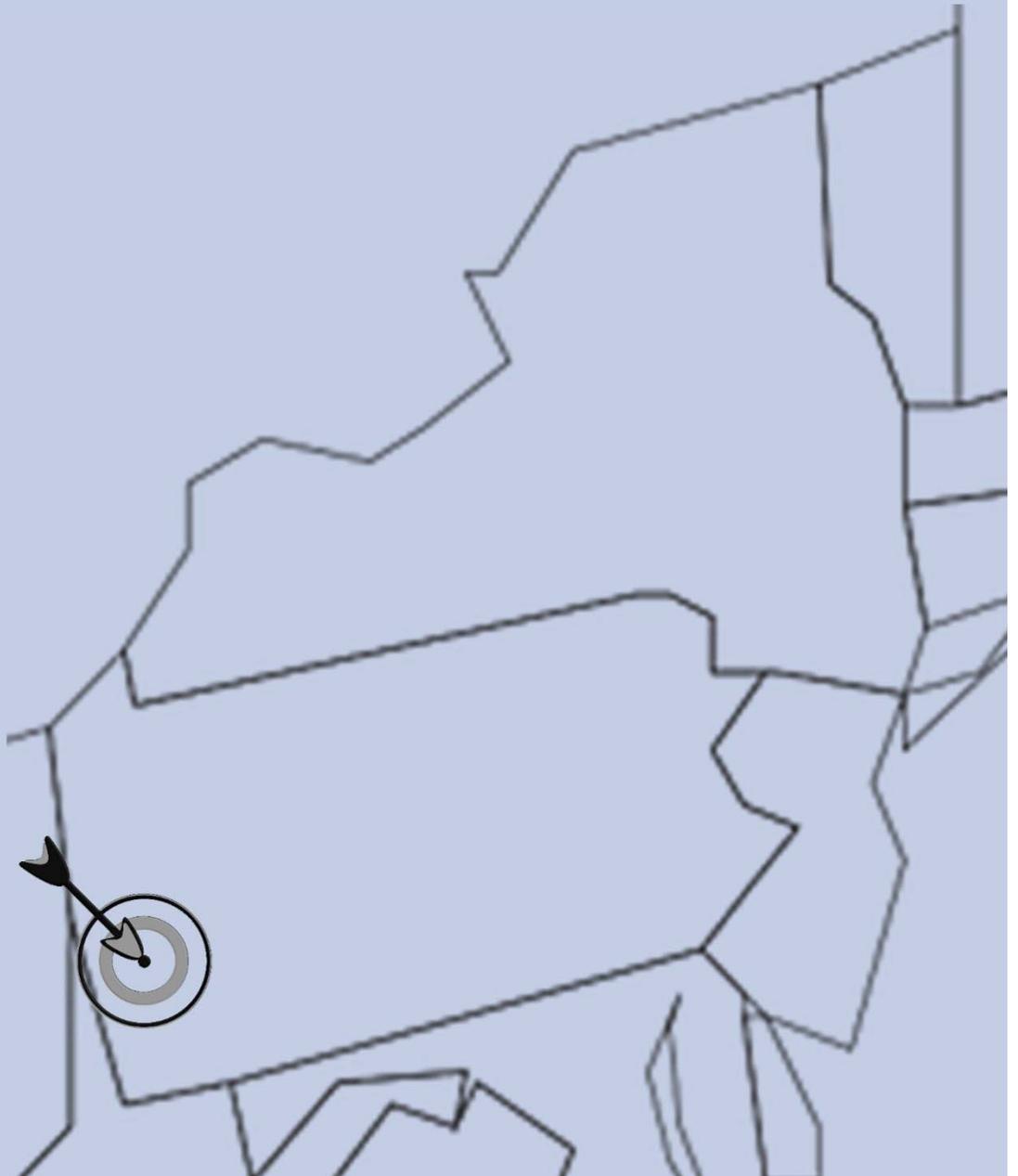


State Health Facts

- A project from the Henry J. Kaiser Family Foundation
- Provides data on the state level on over 800 health indicators, including:
 - Demographics & Economy
 - Women's health
 - Minority health
 - Health Insurance
- Custom State Reports tool to download indicators of interest



Local Statistics



U.S. Census Bureau

- The federal government's largest statistical agency
- Provides facts and figures about America's people, places and economy
- The American fact finder provides statistics from both the census and the American community by:
 - State
 - County
 - City
 - Town
 - Zip code
 - Census tract



DEMOGRAPHIC DATA



TRAINING AND EDUCATION

+ Fellowships

+ Upcoming Events

 **AMIA 10x10 Courses** - Training program conducted across the United States by AMIA in collaboration with key academic partners in the biomedical and health informatics education community. The content covers areas such as electronic and personal health records, health information exchange, standards and terminology, and health care quality and error prevention. (American Medical Informatics Association (AMIA))

 **Back to School: Statistical Methods, Training, and Resource Needs for the Public Health Workforce** - This webinar provides a review of trends in statistical methods used in public health, resources for the effective use of public health data, and implications for training needs in the public health workforce. (AcademyHealth)

 **Census Academy** - Training hub offers courses, webinars, and short 2-to-3 minute, "how-to" videos on using Census data. (U.S. Census Bureau)

 **GIS Training** - Self-paced trainings to learn how to use Geographic Information Systems (GIS). (Centers for Disease Control and Prevention (CDC), HHS)

County Health Rankings & Roadmaps

- Collaboration between the Robert Wood Johnson Foundation & the University of Wisconsin Population Health Institute
- How health is influenced by where people live, work, learn and play
- Statistics at the county level on factors such as:
 - Quality of life
 - Health behavior
 - Social and Economic factors
 - Physical environment



City Health Dashboard

- Created by the Department of Population Health & the School of Public Service at NYU in partnership with the National Resource Network
- 36 measures of health for the 500 largest cities in the USA
- Some data can be filtered to the census tract level
- Measures align with those used by CHRR



COUNTY AND LOCAL HEALTH DATA

Rural Data Explorer

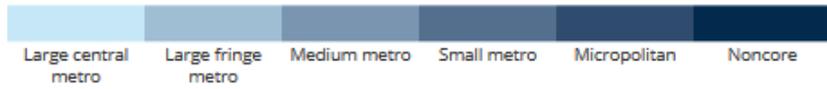
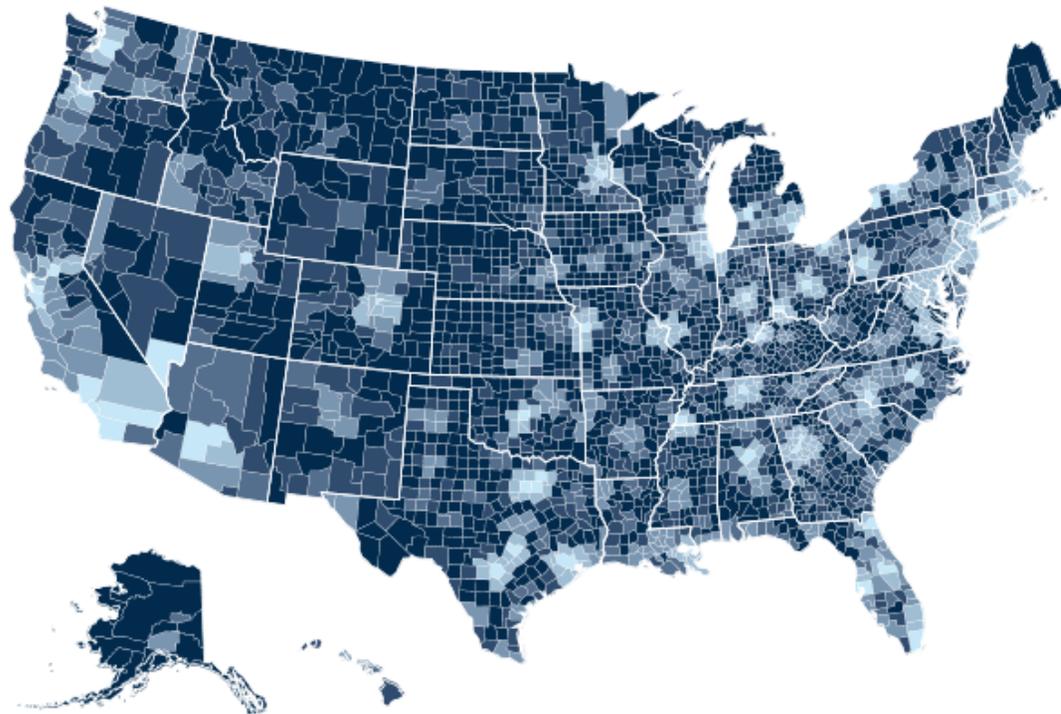
- Resource from the Rural Health Information Hub, which is a national clearinghouse on rural health issues
- View statistics for metro and nonmetro counties and see a county's metropolitan classification.
- The statistics are from publicly available federal resources and include information on:
 - Demographics
 - Health disparities
 - Social determinants
 - Access to services

- Rural Data Explorer**
- Chart Gallery
- Maps

Rural Data Explorer

Select from a wide range of data on health disparities, health workforce, demographics, and more. Explore how metropolitan and nonmetro counties compare, nationwide and by state. Learn more about [how to use the Data Explorer](#).

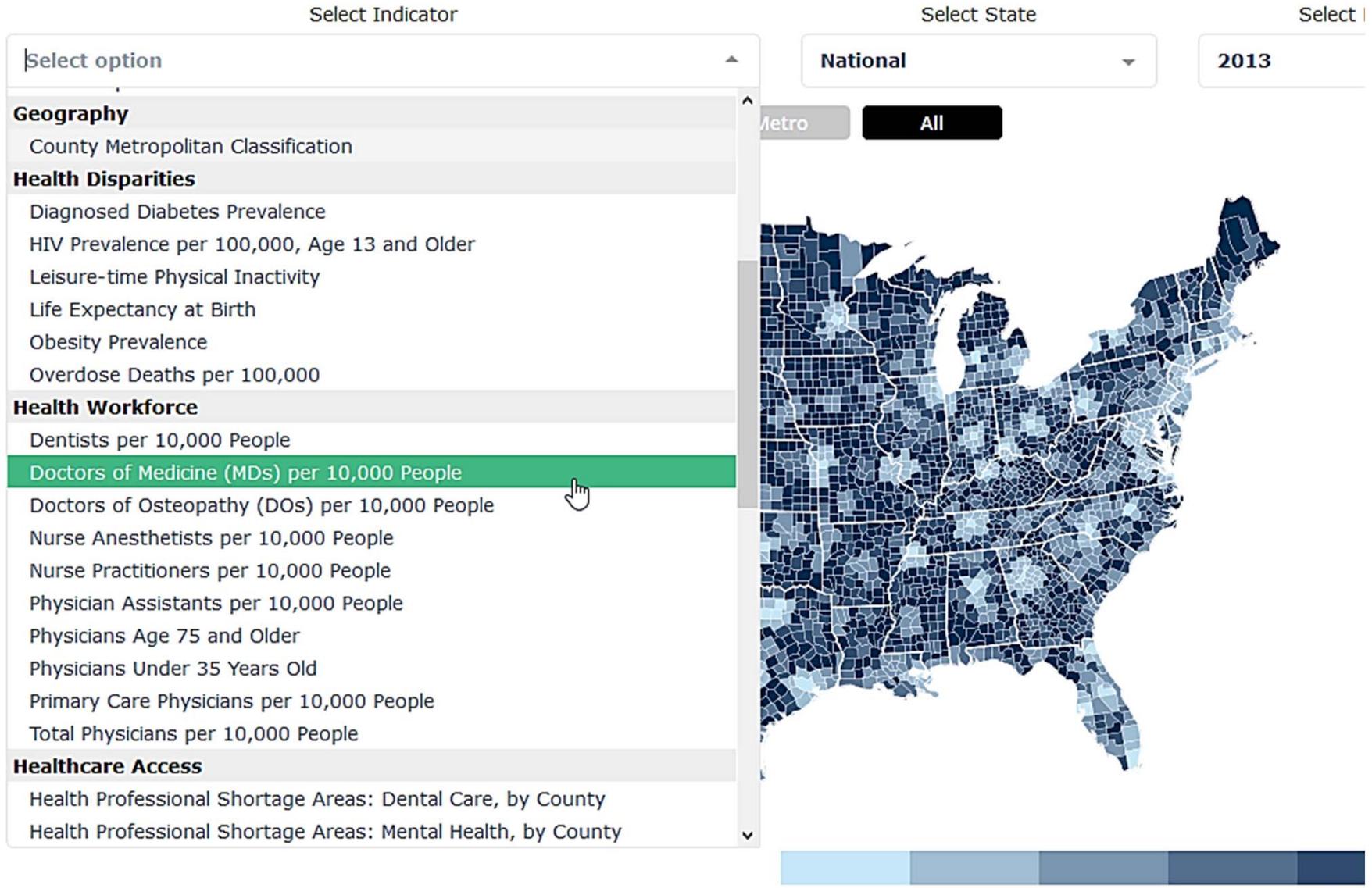
Select Indicator: **County Metropolitan Classification**
 Select State: **National**
 Select Data Year: **2013**

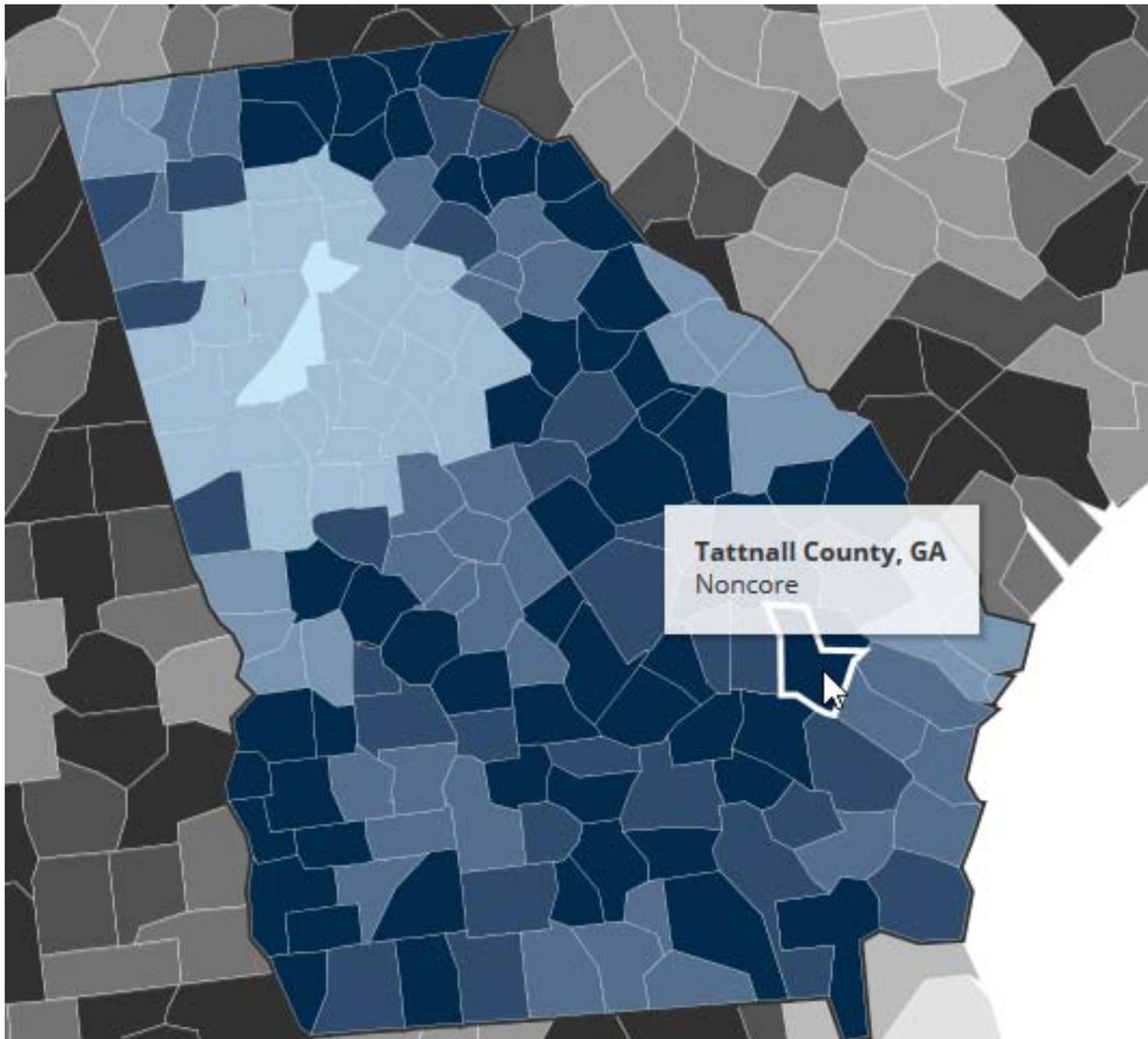


Source: [National Center for Health Statistics, 2013](#).

Rural Data Explorer

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Introduction

- [About Health Statistics](#)
- [Common Terms](#)
- [Health Data Sources](#)
- [Finding Health Statistics](#)
- [Reference Materials](#)

Finding and Using Health Statistics

About Health Statistics

How many Americans are affected by cardiovascular disease each year? Did the number of Americans with health insurance increase significantly following the passage of the Affordable Care Act? How do the leading causes of death in the United States differ from those worldwide?

The answers to these important questions and many others lie in the data collected by government, private, and non-profit agencies and organizations. The health statistics reported by these groups are integral to monitoring trends in the health status of populations, planning the allocation of health care resources, and evaluating the effectiveness of public health interventions.

This course for librarians and students in health sciences describes different types of health statistics, how they are collected, and where they can be found.

Course Goals

1. Understand what health statistics measure and how to use them to improve general health
2. Gain a basic knowledge of the statistical terms commonly used when reading about health statistics
3. Learn different ways health information can be collected, and the pros and cons of each
4. Become familiar with a variety of online sources for health statistics
5. Create a set of strategies to find specific health statistics

In this course

- **About Health Statistics:** Find out what health statistics are, and who uses them.
- **Common Terms and Equations in Health Statistics:** Learn what phrases like “statistically valid,” and “sampling” really mean.
- **Health Data Sources:** Discover where health statistics come from and why that matters.
- **Finding Health Statistics Exercises:** Start searching for statistics to answer research questions.
- **Glossary:** This resource contains both a terms glossary and a resource glossary.

Bookshelf

Books

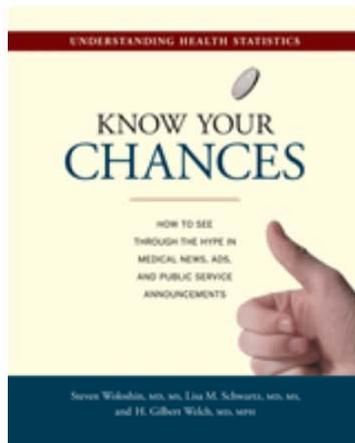
[Browse Titles](#)[Advanced](#)

COVID-19 is an emerging, rapidly evolving situation.

Get the latest public health information from CDC: <https://www.coronavirus.gov>

Get the latest research from NIH: <https://www.nih.gov/coronavirus>.

Find NCBI SARS-CoV-2 literature, sequence, and clinical content: <https://www.ncbi.nlm.nih.gov/sars-cov-2>



Know Your Chances

< Prev

Next >

Understanding Health Statistics

Steven Woloshin, MD, MS, Lisa M. Schwartz, MD, MS, and H. Gilbert Welch, MD, MPH.

Berkeley (CA): [University of California Press](#); 2008.

ISBN-13: 978-0-520-25222-6

[Copyright and Permissions](#)

 Search this book

The goal of this book is to help you better understand health information by teaching you about the numbers behind the messages—the medical [statistics](#) on which the claims are based. The book will also familiarize you with [risk](#) charts, which are designed to help you put your health concerns in [perspective](#). By learning to understand the numbers and knowing what questions to ask, you'll be able to see through the hype and find the credible information—if any—that remains.

Questions?

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Developed resources reported in this presentation are supported by the National Library of Medicine (NLM), National Institutes of Health (NIH) under cooperative agreement number UG4LM012342 with the University of Pittsburgh, Health Sciences Library System. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health.