

Need Health Data? Discover the New NCHS Data Query System

Webinar

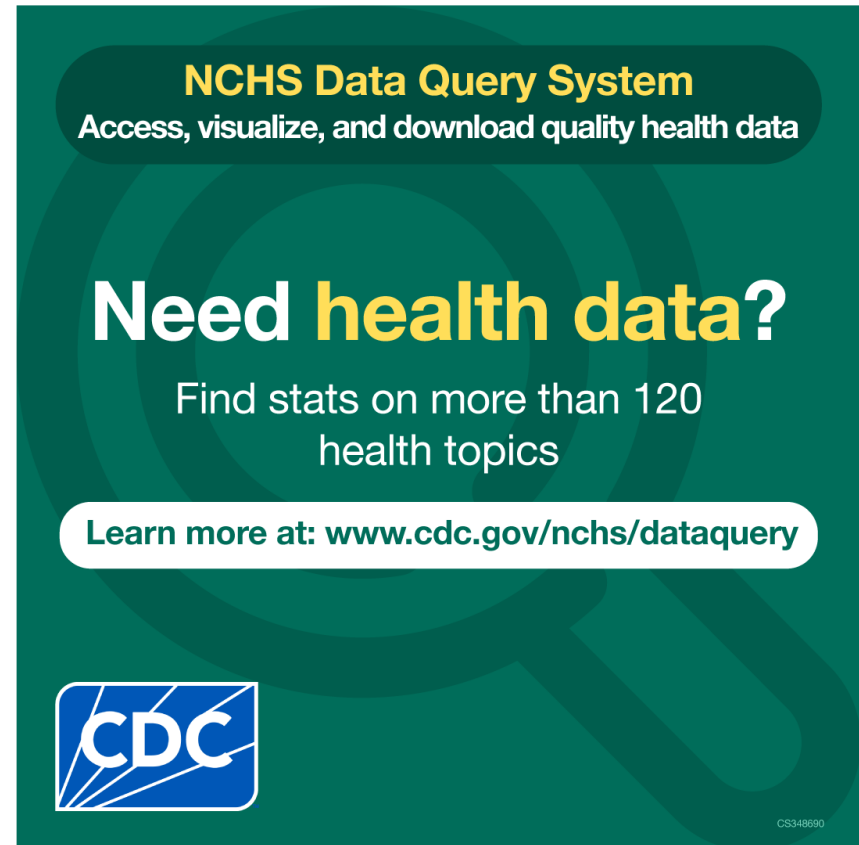
September 17, 2024

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NCHS Data Query System
Access, visualize, and download quality health data

Need health data?
Find stats on more than 120 health topics

Learn more at: www.cdc.gov/nchs/dataquery



CS348690

National Center for Health Statistics

- One of 13 principal federal statistical agencies
- Nation's principal statistical agency for health
- Mission: To provide timely, relevant statistical information that can be used to guide actions and policies to improve the health of the American people
- Part of the Centers for Disease Control and Prevention since 1987



DQS Supports CDC Moving Forward



CDC's Data Modernization Initiative is a critical component of CDC Moving Forward and is the first-ever unified approach for modernizing public health. It calls for ways to provide faster, more actionable data and insights for decision-making at all levels of public health.

DQS Target Audiences

- Academics, researchers, scientists
- Community leaders and policymakers
- Federal agencies
- General public
- Public health professionals



Current Sources and Data Years



1999 to 2021

**National Vital
Statistics System**



2000 to 2021

**National Health
Care Surveys**



1988-1994 to
2017-March 2020

**National Health
and Nutrition
Examination Survey**



1984 to 2023

**National Health
Interview
Survey**



1975 to 2021

***Health,
United States***

External sources in *Health, United States*: American Dental Association, American Hospital Association

Enterprise Focused



Strengths

- More than 120 health topics from multiple data systems
- Pre-tabulated summary estimates, not microdata
- Diverse sociodemographic and intersectional data
- Titles, sources, and methodological data dynamically change with user selections
- Flexible, responsive application that can be continually adapted based on user interests and selections

Back up slides to live demo

DQS Demonstration

NCHS Data Query System

Visit DQS at:

<https://www.cdc.gov/nchs/dataquery/index.htm>

Email the DQS team:

dqs@cdc.gov

Subscribe to get the latest info at:

https://www.cdc.gov/nchs/products/nchs_listservs.htm



Interface Overview

Open-source code for the front-end application:
<https://github.com/CDCgov/nchs-dqs>

National Center for Health Statistics

CDC > NCHS > DQS Home > DQS Application

Note: This application requires style sheets to be enabled.

NCHS Data Query System



Data from some health topics were collected from more than one source. Explore the [NCHS Data Query System Health Topics](#) to decide which one to select.

1 Select a Topic Advanced Topic Selection: OFF Arthritis diagnosis	2 Select a Group Total	3 Select Subgroup Total	4 Select Time Periods <input type="checkbox"/> View single period From 2019 To 2023
			Clear Selections

Advanced Topic Selection

Advanced Topic Selection

1. Select a filter category: Population Characteristics Sources

2. Select filter(s) to help refine your topic selection: [Clear All Filters](#)

Demographic	Socioeconomic	Geographic
<input type="checkbox"/> American Indian and Alaska Native	<input type="checkbox"/> Education	<input type="checkbox"/> Metropolitan and Nonmetropolitan
<input type="checkbox"/> Asian	<input type="checkbox"/> Health Insurance Status	<input type="checkbox"/> Region
<input type="checkbox"/> Asian or Pacific Islander	<input type="checkbox"/> Poverty Status	<input type="checkbox"/> Social Vulnerability Index
<input type="checkbox"/> Black		<input type="checkbox"/> State
<input type="checkbox"/> Hispanic		
<input type="checkbox"/> Multiple Race		
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander		
<input type="checkbox"/> White		
<input type="checkbox"/> Infants		
<input type="checkbox"/> Children and Adolescents		
<input type="checkbox"/> Adults		
<input type="checkbox"/> Older Adults		
<input type="checkbox"/> Female		
<input type="checkbox"/> Male		
<input type="checkbox"/> Disability (Functional Limitation Status)		
<input type="checkbox"/> Marital Status		

[Your Filter Summary](#)

There are **157 selections available** in the topic dropdown with **0** filters applied.

Please select filters to proceed with advanced topic selection.

3. Apply changes to the topic dropdown: Apply

Advanced Topic Selection

1. Select a filter category: Population Characteristics Sources

2. Select filter(s) to help refine your topic selection: [Clear All Filters](#)

Sources

- Health, United States (HUS)
- National Ambulatory Medical Care Survey (NAMCS)
- National Health Interview Survey (NHIS)
- National Health and Nutrition Examination Survey (NHANES)
- National Hospital Ambulatory Medical Care Survey (NHAMCS)
- National Vital Statistics System (NVSS)

[Your Filter Summary](#)

There are **157 selections available** in the topic dropdown with **0** filters applied.

Please select filters to proceed with advanced topic selection.

3. Apply changes to the topic dropdown: Apply

Topic, Group, and Subgroup Selectors

1 Select a Topic
Advanced Topic Selection: OFF
Arthritis diagnosis

2 Select a Group
Employment status
veteran status

3 Select Subgroup
Selected Subgroups: 6

4 Select Time Periods
 View single period
From: 2019
To: 2023
Clear Selections

Geographic Characteristic
Metropolitan statistical area
Region
Social vulnerability
Urbanicity

Socioeconomic Characteristic
Education
Employment status
Health insurance coverage: 65 years and older
Health insurance coverage: Younger than 65 years
Poverty level

Select Estimate Type
Percent of population

40

Employment status | 2019 to 2023
Health Interview Survey (NHIS)

Table

Show Confidence Interval

Time Periods: Trends

1 Select a Topic
Arthritis diagnosis

2 Select a Group
Employment status

3 Select Subgroup
Selected Subgroups: 6

4 Select Time Periods
 View single period
From 2019
To 2023
[Clear Selections](#)

Arthritis diagnosis | Employment status | 2019 to 2023
Data Source: National Health Interview Survey (NHIS)



Time Periods: Single Period

1 Select a Topic
Advanced Topic Selection: OFF
Arthritis diagnosis

2 Select a Group
Employment status

3 Select Subgroup
Selected Subgroups: 6

4 Select Time Periods
 View single period
2019

Clear Selections

Arthritis diagnosis | Employment status | 2019
Data Source: National Health Interview Survey (NHIS)

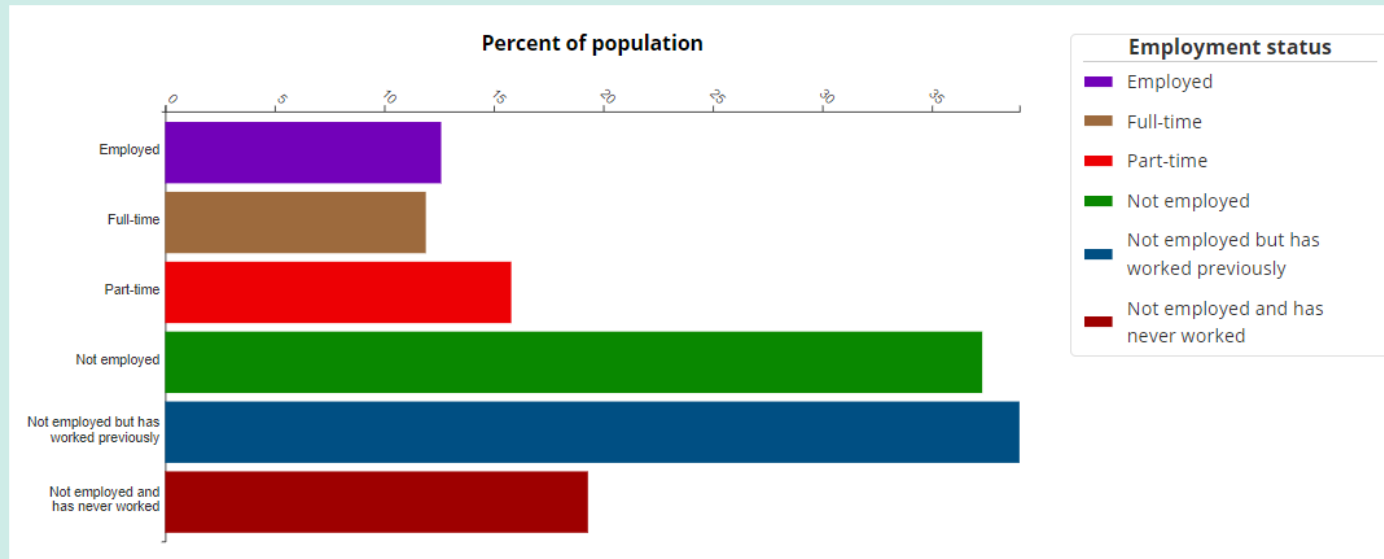
Chart

Table

Select Estimate Type

Percent of population

Show Confidence Interval



For more detail on displayed data, see [Notes](#).

Time Periods: Chart View

Arthritis diagnosis | Employment status | 2019 to 2023

Data Source: National Health Interview Survey (NHIS)

Chart

Table

Select Estimate Type

Percent of population

Show Confidence Interval



For more detail on displayed data, see [Notes](#).


[View Data on data.cdc.gov](#)

[Download Image](#)

Time Periods: Table View

Arthritis diagnosis | Employment status | 2019 to 2023

Data Source: National Health Interview Survey (NHIS)

 Chart

 Table

Select Estimate Type

Percent of population

Show All Subgroups

Show Confidence Interval

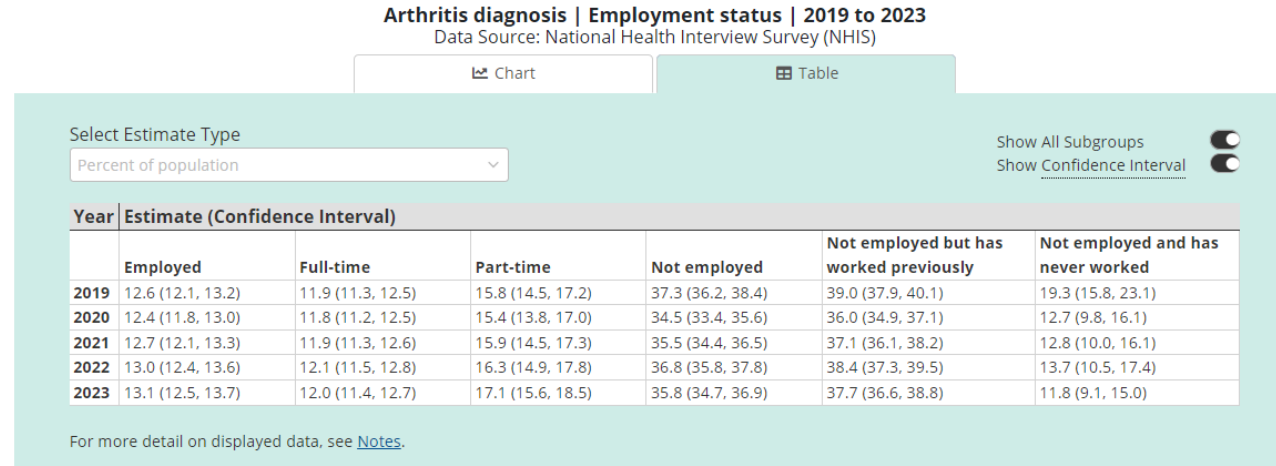
Year	Estimate (Confidence Interval)					
	Employed	Full-time	Part-time	Not employed	Not employed but has worked previously	Not employed and has never worked
2019	12.6 (12.1, 13.2)	11.9 (11.3, 12.5)	15.8 (14.5, 17.2)	37.3 (36.2, 38.4)	39.0 (37.9, 40.1)	19.3 (15.8, 23.1)
2020	12.4 (11.8, 13.0)	11.8 (11.2, 12.5)	15.4 (13.8, 17.0)	34.5 (33.4, 35.6)	36.0 (34.9, 37.1)	12.7 (9.8, 16.1)
2021	12.7 (12.1, 13.3)	11.9 (11.3, 12.6)	15.9 (14.5, 17.3)	35.5 (34.4, 36.5)	37.1 (36.1, 38.2)	12.8 (10.0, 16.1)
2022	13.0 (12.4, 13.6)	12.1 (11.5, 12.8)	16.3 (14.9, 17.8)	36.8 (35.8, 37.8)	38.4 (37.3, 39.5)	13.7 (10.5, 17.4)
2023	13.1 (12.5, 13.7)	12.0 (11.4, 12.7)	17.1 (15.6, 18.5)	35.8 (34.7, 36.9)	37.7 (36.6, 38.8)	11.8 (9.1, 15.0)

For more detail on displayed data, see [Notes](#).

[View Data on data.cdc.gov](#)

[Download Data](#)

Information on Methodology



[View Data on data.cdc.gov](#)

[Download Data](#)

Notes

Footnotes

"Full-time" employment is 35 or more hours per week. "Part-time" employment is 34 or fewer hours per week. More information on employment status is available from: https://www.cdc.gov/nhisdataquerytool/shs_adult/shs_tech_notes.pdf.

Respondents were asked if they had ever been told by a doctor or other health professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia. Those who answered yes were classified as having an arthritis diagnosis.

Methodology

More information on the National Health Interview Survey adult data, methods, and definitions is available from: https://www.cdc.gov/NHISDataQueryTool/SHS_adult/SHS_Tech_Notes.pdf.

In 2019, the NHIS questionnaire was redesigned and other changes were made to weighting and design methodology. Data for 2019 and later have not been fully evaluated for comparability with earlier years. While annual estimates are available for this topic for 2018 and earlier, they are not presented here. For more information on the 2019 NHIS redesign and evaluation of the redesign on selected indicators, see Redesign Notes, available from: https://www.cdc.gov/nchs/nhis/2019_quest_redesign.htm.

Data Source

National Center for Health Statistics, National Health Interview Survey, Summary Health Statistics for Adults 2019-2023.

Suggested Citation

[Copy Citation](#)

NCHS Data Query System. Arthritis diagnosis. National Center for Health Statistics. Available from <https://nchsdata.cdc.gov/DQS>. Accessed on 9/13/2024.

Integration with data.cdc.gov

Arthritis diagnosis | Employment status | 2019 to 2023

Data Source: National Health Interview Survey (NHIS)

Chart

Table

Select Estimate Type

Percent of population

Show All Subgroups

Show Confidence Interval



Year	Estimate (Confidence Interval)					
	Employed	Full-time	Part-time	Not employed	Not employed but has worked previously	Not employed and has never worked
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For more detail on displayed data, see [Notes](#).

[View Data on data.cdc.gov](#)

[Download Data](#)

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Integration with data.cdc.gov

Navigation: About | Data | Related Content | Actions | **Export**

DQS NHIS Adult Summary Health Statistics NCHS

Interactive Summary Health Statistics for Adults provide annual estimates of selected health topics for adults aged 18 years and over based on final data from the National Health Interview Survey. Search, visualize, and download these and other estimates from over 120 health topics...

[Read more](#)

Last Updated: September 5, 2024
Data Provided By: NCHS/DHIS

About this Dataset

Updated September 5, 2024	Common Core
Data Last Updated July 29, 2024 Metadata Last Updated September 5, 2024	Contact Name: NCHS
Date Created February 27, 2024	Contact Email: CDCINFO@CDC.GOV
Views 989 Downloads 151	Publisher: National Center for Health Statistics
Data Provided by NCHS/DHIS Dataset Owner Choppell Maxwell	Public Access Level: public

Access Level Comment	https://www.cdc.gov/nchs/nhis/data-questionnaires-documentation.htm
References	https://wwwn.cdc.gov/NHISDataQueryTool/SHS_adult/SHS_Tech_Notes.pdf
Issued	11/17/2021
Bureau Code	009:20
Program Code	009:020
Geographic Coverage	United States
Temporal Applicability	2019-2023
Data Dictionary	https://wwwn.cdc.gov/NHISDataQueryTool/SHS_adult/SHS_Tech_Notes.pdf
Update Frequency	annual
Homepage	https://www.cdc.gov/nchs/nhis/shs.htm
Collection	https://www.cdc.gov/nchs/nhis/data-questionnaires-documentation.htm

Data Quality

Suggested Citation	https://wwwn.cdc.gov/NHISDataQueryTool/SHS_adult/index.html
Geospatial Resolution	NA
Analytical Methods Reference	https://wwwn.cdc.gov/NHISDataQueryTool/SHS_adult/SHS_Tech_Notes.pdf
Footnotes	https://data.cdc.gov/NCHS/DQS-NHIS-Adult-Summary-Statistics-Footnotes/gpsd-ru5i

Topics

Category	NCHS
-----------------	------

Tags

summary health statistics, nhis, sdoh-poverty-income, sdoh-employment, sdoh-food-insecurity, sdoh-housing-stability, sdoh-high-school, sdoh-higher-education, sdoh-access-to-health-care, sdoh-source-of-health-care, sdoh-use-of-health-care, sdoh-food-access, sdoh-workplace

Map View

Dentists | 2021
Data Source: American Dental Association (ADA)
Published by: Health, United States (HUS)

Map

Chart

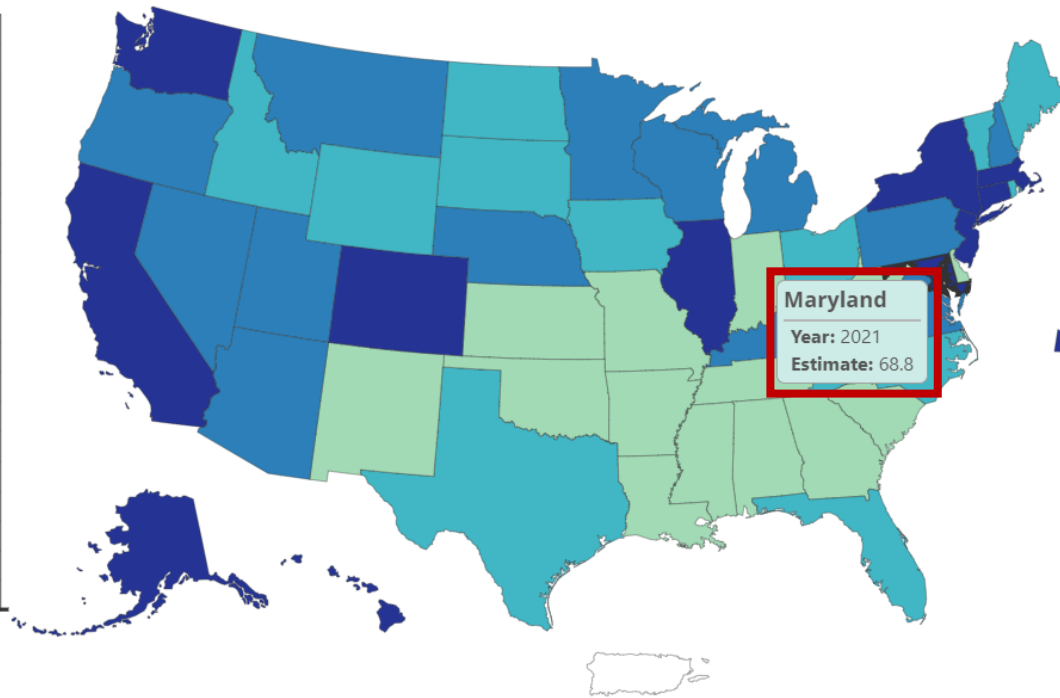
Table

Select Estimate Type

Number of dentists per 100,000 resident population

Show quartiles based on the most recent available period

2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021



AS

GU

MP

VI

For more detail on displayed data, see [Notes](#).

Health Topics

High cholesterol



Description: Blood cholesterol is a waxy, fat-like substance made by the liver. High cholesterol happens when too much of this substance builds up on artery walls, causing them to narrow.

High cholesterol diagnosis, self-reported

Details: The [National Health Interview Survey \(NHIS\)](#) provides the NCHS DQS with self-reported data on high cholesterol diagnosis from household interviews. Data are categorized by demographic characteristics, geographic characteristics, and socioeconomic status.

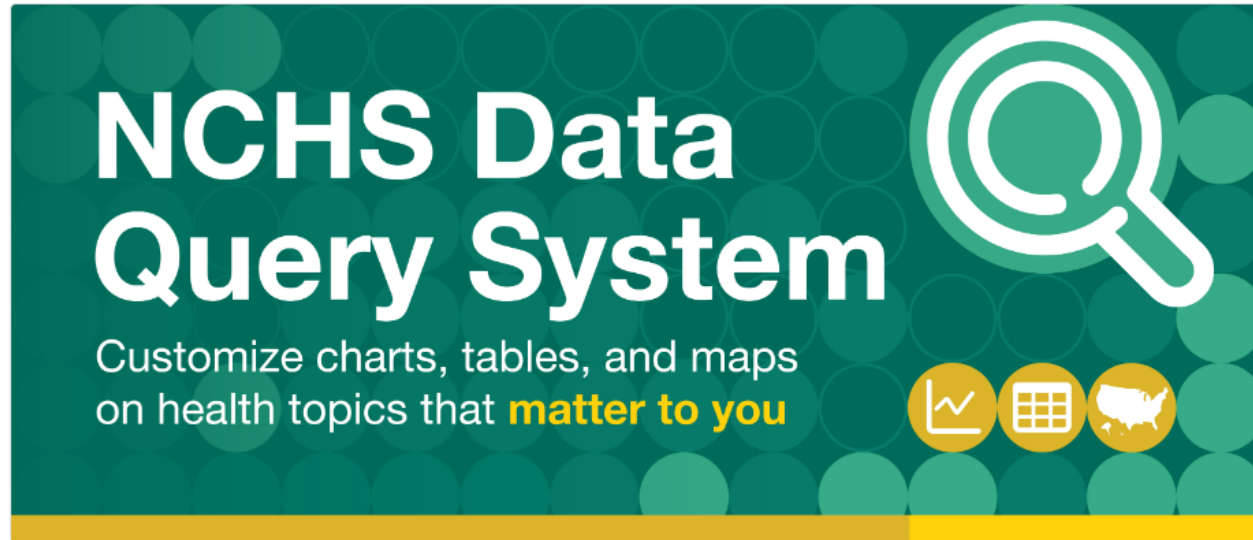
Explore NCHS DQS data on [high cholesterol diagnosis, self-reported](#).

High cholesterol, total, measured

Details: The [National Health and Nutrition Examination Survey \(NHANES\)](#) provides the NCHS DQS with data on total high cholesterol, which are measured with laboratory testing. Total high cholesterol is defined as serum total cholesterol greater than or equal to 240 mg/dL. Data are categorized by age group, sex, and race and Hispanic origin.

Explore NCHS DQS data on [high cholesterol, total, measured](#).

Home Page



NCHS Data Query System

Customize charts, tables, and maps on health topics that **matter to you**


The banner features a large magnifying glass icon on the right and three smaller icons at the bottom: a line graph, a table, and a map of the United States.

NCHS Data Query System

Key application features:

- Access data on a variety of health topics
- Select demographic characteristics and time periods
- View data in chart, table, and map formats
- Download data as an image or in a spreadsheet

[Enter DQS application](#)



About DQS

Learn more about DQS



User guide

Step-by-step instructions for using DQS



Health topics

Explore the full list of DQS health topics



Get updates

Receive DQS updates



Partner toolkit

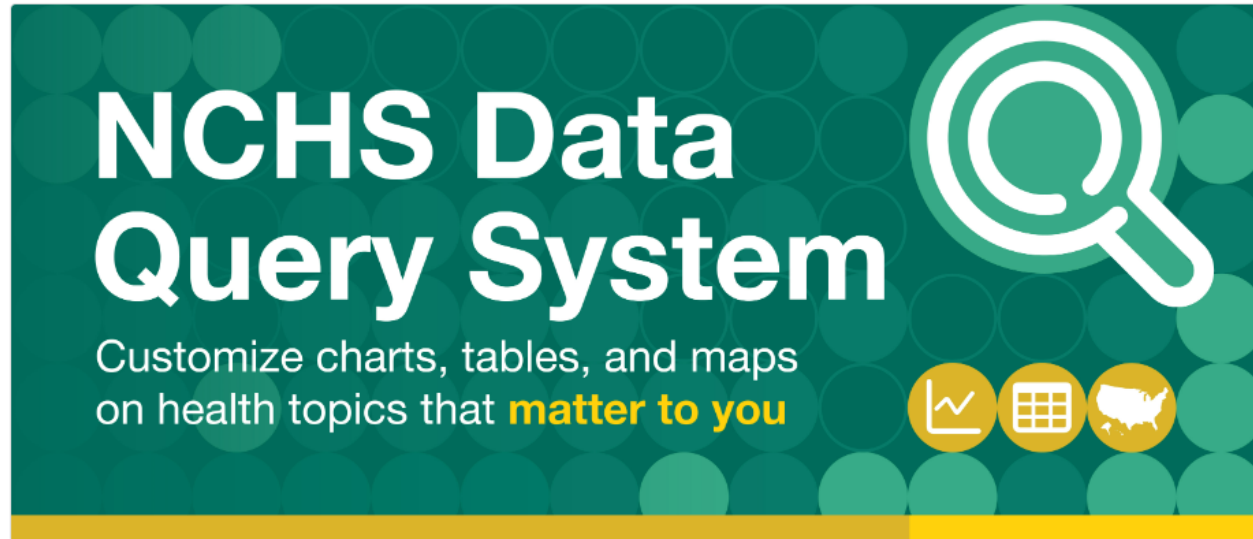
Access resources that connects users to DQS



Questions

Email the [DQS team](#)

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Challenge

- Data users want online, interactive, flexible tools
- Data users don't want to search on multiple sites for health estimates
- Data sources use different labels for the same concept and collect information on similar topics
- Data users have different levels of understanding about statistical concepts

Solution

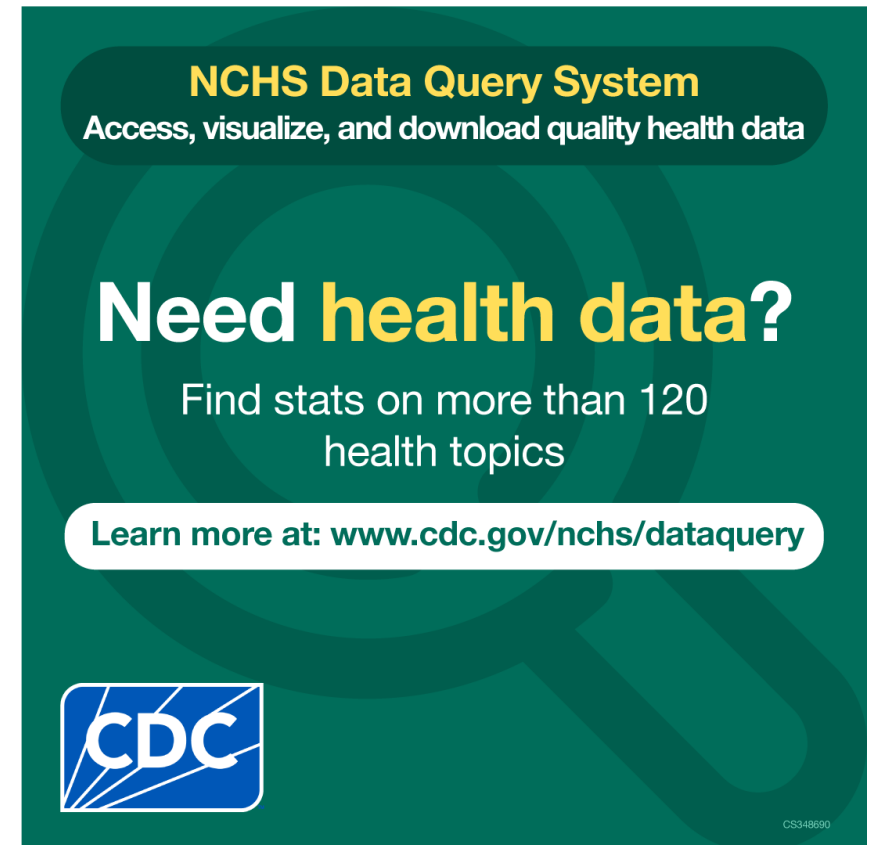
- DQS is easy to access, and searches are customizable
- DQS contains thousands of estimates on various topics
- DQS harmonizes descriptions for identical concepts and distinguishes when they differ
- DQS provides detailed information about topics, sources, and estimates

DQS Summary

- Easy, centralized access to over 120 health topics from NCHS and other data sources
- Focus on health topics or specific population groups with dropdowns and filtering tool
- Visualize precision and other statistical information of estimates as well as dynamic methodological and source information
- One-click downloads of charts, graphs, and tables based on selections or access all estimates and their metadata via data.cdc.gov

DQS Next Steps


- New data and health topics added on a rolling basis
- New features added and existing functionality optimized on an ongoing basis



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Need health data?
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Learn more at: www.cdc.gov/nchs/dataquery



CS348990

The graphic features a dark green background with a large, faint magnifying glass icon. The text is arranged in a clean, modern layout with white and yellow accents.

Q&A

Visit DQS at:

<https://www.cdc.gov/nchs/dataquery/index.htm>

Email the DQS team:

dqs@cdc.gov

Subscribe to get the latest info at:

https://www.cdc.gov/nchs/products/nchs_listservs.htm



For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

