NARMS Now: Human Data Navigation Guide

National Center for Emerging and Zoonotic Infectious Diseases
Division of Foodborne, Waterborne, and Environmental Diseases
Overview

- NARMS Now: Human Data, an interactive tool from CDC
  - makes it easy and quick to find out about antibiotic resistance in bacteria isolated from sick people
    - data are available for Campylobacter, E. coli O157, Salmonella, and Shigella—bacteria transmitted commonly through food
  - allows users to access antibiotic resistance data by bacterial species and serotype, antibiotic, year, and geographic region
  - illustrates how resistance has changed over time
    - data can be viewed on interactive maps, graphs, or tables
  - provides access to the most up-to-date results
Getting Started

With NARMS Now: Human Data, you can access human antibiotic resistance data online at

www.cdc.gov/narmsgnow
Searching NARMS Now: Human Data

- Go to www.cdc.gov/narmsnow.
- There, you’ll see the search option, where you can apply restrictions based on your interests.

<table>
<thead>
<tr>
<th>Search Options</th>
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<tbody>
<tr>
<td>Bacteria</td>
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<td>From</td>
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- **Bacteria**: Choose *Salmonella*, *Shigella*, *E. coli O157*, or *Campylobacter*
- **Species or serotype**: Choose the species or serotype
- **Antibiotic**: Choose the antibiotic
- **Year range**: Determine the date range
- **Site(s)**: Choose all states or a specific one
Using the Dashboard

- After you define search criteria, the dashboard will show a map, line graph, and quick statistics.
Viewing the Map

- Each state is highlighted in a color based on the percentage of isolates resistant that year.
  - Red is for the states with the highest percentage of resistant isolates.
  - Green is for the states with the lowest percentage of resistant isolates.
- States that did not participate in NARMS that year are shaded grey with white hash marks.
- States with no isolates tested that year are white.
Using the Map

- Press the button above the map to see data by year.
- Hit the button to stop at a specific year.
- Place cursor over a state to display the percentage of isolates resistant for the selected year.
Viewing the Line Graph

- Place cursor over a data point to see the percentage of isolates resistant for that year.
- Place cursor above and below the data point to see the upper and lower 95% confidence intervals.
Viewing Resistance by Year for One State

Place cursor along the bar to see the number and percentage of isolates that were susceptible, intermediate, and resistant for each year selected.
Quick stats provide statistics on the number of isolates tested and number of resistant isolates.
Welcome to NARMS Now: Human Data, an interactive tool from CDC that contains antibiotic resistance data from bacteria isolated from humans as part of the National Antimicrobial Resistance Monitoring System (NARMS). NARMS Now: Human Data makes it easier and quicker to find out how antibiotic resistance has changed over the past 20 years for four bacteria transmitted commonly through food—Campylobacter, E. coli O157, Salmonella, and Shigella. Get started by filling in the search options below or scroll down the page to download NARMS data.

- Select “tabular” to display the data in a table.

Dashboard view

Tabular view
Viewing Data Tables

- View data from a map or line graph as a table by changing the display.
Click on the links in the “Download” section to:

- download data related to your search
- download all NARMS human isolate data
- view the data dictionary
Learn More

At the bottom of the page, you’ll find links to helpful resources:

- NARMS Now: Human Data navigation guide
- CDC NARMS website
- NARMS Now: Integrated Data (Humans, Meat, Animals)
- Frequently asked questions about antibiotic resistance and food safety
- CDC NARMS contact information
Questions?

Please contact CDC NARMS at

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