
Mapping Broadband Health in America

2025 Release Navigation Guide



CONNECT2HEALTH^{FCC} TASK FORCE, FEDERAL COMMUNICATIONS COMMISSION

About the Platform

The Mapping Broadband Health in America platform puts you in the driver's seat to understand the intersection of broadband and health.

About the Platform

Mapping Broadband Health in America is a novel, interactive mapping platform created by the Connect2Health^{FC} Task Force to provide compelling insights into opportunities and gaps in the connected health space. By using the mapping platform as a foundation for understanding the intersection of broadband and health, policymakers, practitioners, researchers, and other platform users can chart a concrete path to a more connected and healthier future for all Americans.

Chronic Disease, Maternal Health and Opioids

From its initial launch and through various updates and expansions, the platform remains a critical resource that enables users to visualize, intersect and analyze broadband, chronic disease, maternal health and opioid mortality data at the national, state and county levels. Starting in June 2023, and in response to the [Data Mapping to Save Moms' Lives Act](#), the platform added key maternal health data, including maternal mortality, severe maternal morbidity, maternal care deserts, mental health providers, and maternal age. To drive even more meaningful insights, the platform has now been expanded to include additional broadband and maternal health variables, SDOH indicators, and demographic data, along with its more traditional focus on chronic disease outcomes and data responsive to the opioid crisis.

Innovative Visualization Framework

Mapping Broadband Health in America reflects a groundbreaking visualization framework that allows users to ask three fundamental questions about how broadband and health data intersect and where broadband can be leveraged to help improve health and health outcomes. These questions are linked to three distinct ways of viewing and manipulating the data to create custom visualizations: the OVERVIEW, BROADBAND, and HEALTH views.

- Where do broadband and health needs coincide? You can explore this in OVERVIEW where we categorize geographic areas (states or counties) into one of four categories keyed to their level of broadband connectivity and population health outcomes: **Double Burden**, **Opportunity**, **Single Burden**, **Milestone**.
- What is the broadband picture across different levels of health need? Using filtering, the BROADBAND view visualizes the broadband picture based on selected health metrics. You can then compare the broadband picture across different levels of health need.
- What is the health picture in higher or lower connectivity areas? Similarly, the HEALTH view visualizes the picture of health based on your selected broadband metrics (e.g., broadband access, rural access, Internet adoption).

Dig Deeper

Additional context to help you create customized and actionable visualizations is available on the [Focus on Broadband and Maternal Health](#), [Focus on Broadband and Opioids](#), and [Focus on Broadband and Chronic Disease](#) pages.



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136 STAT. 2347

Focus on Broadband and Maternal Health

Access to reliable broadband connectivity is a critical tool for improving maternal and infant health outcomes across the United States. While maternal mortality rates have decreased in recent years, the prevalence of severe maternal morbidity has not. In 2022, the infant mortality rate increased for the first time in over a decade. These troubling trends highlight the need for innovative solutions to address disparities, particularly in rural communities. Research suggests that many of these deaths, complications, and injuries can be prevented.

The Key Role of Broadband Connectivity

Broadband connectivity has shown significant benefits for maternal and infant health outcomes, and for the health of the community as a whole. Broadband-enabled AI chatbots offer one-on-one support and monitoring during pregnancy, child development, and postpartum care.

Focus on Broadband and Opioids

The opioid crisis deeply impacts communities and families across the United States. The opioid epidemic was officially declared a public health emergency in 2017 under section 319 of the Public Health Service Act. This declaration has been consistently renewed, with the most recent renewal occurring in March 2025. Tragically, this crisis claims the lives of more than 52,000 Americans every day.

The Key Role of Broadband Connectivity

Broadband technology can play an important role in the fight against the opioid crisis, with the potential to save and improve lives across the United States.

Focus on Broadband and Chronic Disease

Chronic diseases, such as diabetes, heart disease, cancer, and obesity are the leading cause of illness, disability, and death in America. They are also key factors impacting the United States' annual health care costs, estimated at \$4.5 trillion in 2018.

The Key Role of Broadband Connectivity

Telehealth and other broadband-enabled solutions and technologies can play an important role in chronic disease prevention and management, leading to improved patient outcomes, access to care, and cost savings. Research from the Connect2Health Task Force shows that communities with higher levels of broadband connectivity—i.e., access and, more significantly, adoption and use—had lower diabetes prevalence, suggesting there is a relationship between broadband connectivity and chronic disease. In fact, research from the Connect2Health Task Force shows that telehealth and other digital health innovations are effective for prevention and management of numerous chronic disease conditions. For example:

- Wearable devices, like fitness trackers, smartwatches, and biosensors, can monitor and share health care providers' physiological metrics (e.g., heart rate, blood sugar, blood pressure). Chronic disease patients and health care providers can detect deviations from normal patterns, allowing for early detection of potential health issues. Remote patient monitoring has helped improve blood sugar (glycemic) levels, lower blood pressure, reduce hospital readmission rates, and save money. AI algorithms can assess an individual's risk of developing certain chronic conditions. Health care providers can recommend tailored lifestyle interventions to those individuals with higher chronic disease risk.
- Mobile health (mHealth) applications enable individuals to track physical activity, monitor diet, manage medications, and access personalized health information, supporting behaviors change critical for chronic disease prevention. Poor diet, insufficient physical activity, and smoking contribute to conditions like diabetes, cancer, and heart disease. MHealth tools help users set tailored goals, track progress, access educational resources, and receive reminders for health changes. The Community Preventive Services Task Force recommends mHealth interventions for gathering tobacco and electronic smoking to reduce new, daily use. Research shows digitalization reduces the link between chronic disease and physical activity in middle-aged and older adults. MHealth interventions also improve daily exercise, including increased fruit and vegetable consumption, reduced sodium intake, and weight loss.
- Telemedicine platforms enable remote consultations and medical advice via video conferencing, telephone, or chat. Telemedicine can increase access to healthcare for patients in rural or underserved areas. Telehealth can be used effectively to manage chronic disease conditions.
- The Internet has become a primary resource for health-related information, and the Internet facilitates ongoing communication outside clinic visits essential for chronic disease management.

While these connected health interventions have significant potential, broadband connectivity is a baseline requirement. For example, patients with higher download and upload speeds (500+ Kbps) engage in more online health-related activities and use telemedicine more frequently. As another example, lack of broadband connectivity can inhibit patients' use of remote monitoring services. According to recent data, 28% of people living in rural areas and 23% of people living in tribal lands do not have access to adequate broadband. Internet access gaps can affect the issue of connected health in rural and other vulnerable populations.

Background on Chronic Disease in the U.S.

Chronic diseases are defined broadly as health conditions that last one year or more, require ongoing medical attention, and limit activities of daily living. For example:

- Cardiovascular disease is the leading cause of mortality in the United States, and trends are increasing. Heart disease and stroke could affect 10% of U.S. adults by 2050, with annual health care costs projected to almost quadruple, from \$303 billion currently to \$440 billion by 2050.
- In 2021, 1,177,545 new cancer cases were reported and in 2022, over 600,000 people died of cancer in the United States. By 2045, new cancer cases are expected to increase to 2.5 million per year, and the number of cancer-related deaths is expected to increase to 15.2 million per year.
- About 15% of Americans have diabetes, and more children and young adults are developing diabetes than in the past. The diabetes rate is expected to rise to 26.8% of the population by 2050, and the population-level health care cost attributable to diabetes is projected to increase from \$184 billion in 2020 to \$765 billion in 2050.
- Obesity rates are expected to climb from 42.1% to 52.6% of the population by 2050, and obesity is expected to affect the health condition of a third of all children by 2050, up from 20% in 2020.

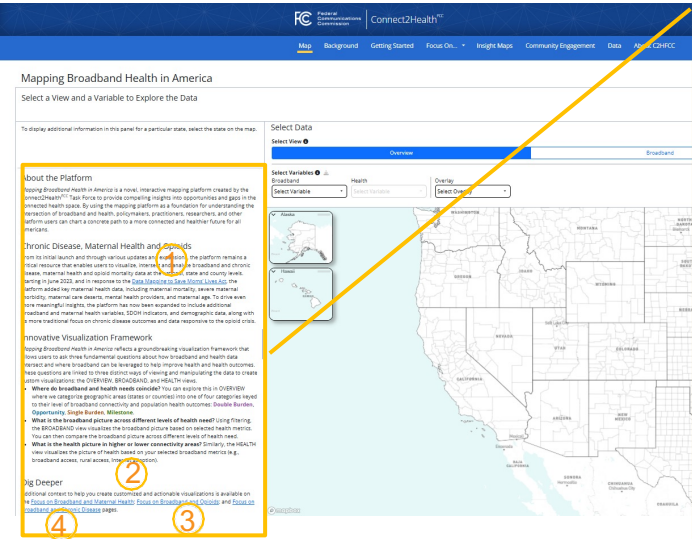
Smoking, poor nutrition, physical inactivity, and excessive alcohol use cause most chronic diseases. Cigarette smoking causes cancer, heart disease, stroke, lung disease, and diabetes and leads to more than 480,000 deaths each year in the United States. Poor nutrition and physical inactivity are significant risk factors for obesity, type 2 diabetes, heart disease, stroke, some types of cancer, and depression. Meanwhile, excessive alcohol use is associated with high blood pressure, heart disease, stroke, liver disease, and some types of cancer.

Some groups are impacted more strongly by chronic disease than others because of the conditions in which they live, work, grow, work, and live that limit their ability to make healthy choices. These factors include, but are not limited to, poverty, unsafe or unhealthy environments, unsafe or unhealthy housing, food insecurity, and lack of access to quality education and care. The Connect2Health Task Force Chronic Disease Connect2Health Framework provided below summarizes these conditions in Demographic Factors, Community & Geographic Factors, Risk Factors, Access to Care, and Quality of Care. For instance:

- The location and quality of food retail systems as well as the cost of healthy foods impact dietary patterns, an important risk factor for chronic disease.
- Access to primary care physicians affects early chronic disease detection, treatment, management, as well as preventive care.
- Underserved adults are less likely to receive preventive services for chronic conditions such as diabetes, cancer, and cardiovascular disease.
- People with higher rates of chronic disease than the general population.
- People experiencing poverty are at a higher risk for chronic disease.

Mapping the Intersection of Broadband and Chronic Disease

Since 2017, the Mapping Broadband Health in America platform has allowed users to view the intersection of broadband connectivity and chronic disease outcomes, access to care indicators, chronic disease risk factors, social and economic factors, and physical environment factors. The 2025 release includes an updated conceptual model (shown below) to



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Create Your Custom Map


- Use the Map Legend: Overview View
- Nationwide Plot and Statistics: Overview View
- Use the Map Legend: Broadband or Health Views
- Nationwide Plot and Statistics: Broadband View
- Nationwide Plot and Statistics: Health View

Download and Share

- Data Sharing Toolbar
- Tailored Download

Getting Started

Welcome Screen



Welcome to the Mapping Platform:
Mapping Broadband Health in America

Created by the Connect2Health^{FCC} Task Force, this interactive mapping platform enables you to visualize, intersect, and analyze broadband and health data at the national, state and county levels. By generating customized maps that provide compelling insights into opportunities and gaps in the connected health space, policymakers, practitioners, researchers, and other platform users can chart a concrete path to a more connected and healthier future for all Americans.

Take me to the Platform →

Help me use the Platform →

Mobile Broadband and Heart Disease
Topics: Mobile access, heart disease prevalence, chronic disease outcomes, transportation
Explore the potential for mobile broadband to increase access to emergency care in areas experiencing higher transportation barriers.
Chronic Disease

Rural Broadband and Opioid Misuse
Topics: Fixed broadband, opioid use disorder, rurality, Veteran status
Explore the fixed broadband picture in rural areas with higher rates of opioid use disorder and identify opportunities for investment and innovation.
Opioids

Broadband and Access to Care
Topics: Internet adoption (self report-high speed), maternity care deserts, rurality
Identify priority areas for leveraging broadband to increase access to maternity care.
Access to Care

The landing page offers three ways to experience this interactive mapping platform:


(1) Go directly to the platform

(2) Use the Help Guide to learn more about the features and functions of the platform

(3) Explore curated maps for one of the listed topic areas

Help Guide

The Help Guide explains how to explore the intersection of broadband and health data using the platform and walks you through its features. You can access the Help Guide through the Welcome Screen, “Help me use the Platform →” button or by clicking “NEED HELP?” on the right side of the map while using the platform.



Welcome to the Mapping Platform:
Mapping Broadband Health in America

Created by the Connect2Health^{FCC} Task Force, this interactive mapping platform enables you to visualize, intersect, and analyze broadband and health data at the national, state and county levels. By generating customized maps that provide compelling insights into opportunities and gaps in the connected health space, policymakers, practitioners, researchers, and other platform users can chart a concrete path to a more connected and healthier future for all Americans.

Learning how to use the platform?
Select "Help me use the Platform" to open a Help Guide on the platform. The Guide explains how to explore the intersection of broadband and health data using the platform and walks you through its features.

Explore Curated Maps
Not sure where to begin? The curated maps help answer sample questions you might ask using the mapping platform. Go to a curated map by clicking one of the buttons below and explore what the data can tell you!

Mobile Broadband and Heart Disease
Topics: Mobile access, heart disease prevalence, chronic disease outcomes, transportation
Explore the potential for mobile broadband to increase access to emergency care in areas experiencing higher transportation barriers.

Rural Broadband and Opioid Misuse
Topics: Fixed broadband, opioid use disorder, rurality, Veteran status
Explore the fixed broadband picture in rural areas with higher rates of opioid use disorder and identify opportunities for investment and innovation.

Broadband and Access to Care
Topics: Internet adoption (self report-high speed), maternity care deserts, rurality
Identify priority areas for leveraging broadband to increase access to maternity care.

Take me to the Platform →

Help me use the Platform →

Select Data

Share Export to PDF

Compare Maps Reset

Broadband Health

Overlay Select Overlay

County Search

NEED HELP?

Table of contents

Use this Help Guide for a basic understanding of how to use the platform to explore data and answer your questions.

Select the "Next" button to walk through the platform's features or use the list below to jump around.

Getting Started

- Set view
- Set variables
 - Select variables
 - Understand the Connect2Health State/County Categorization
 - Change variables' data thresholds
 - Filter a variable's data
- Select a map overlay
- Select platform filters

Navigate the Platform

- Navigate the map

Next

Plot

Select a variable to generate plots

Statistics

Select a variable to generate statistics

Set View

The platform allows you to intersect broadband and health data of interest in three unique ways, called “Views.” To begin, use the buttons above the map to select a view.

The screenshot shows a user interface for selecting a view. At the top, there is a section titled "Select View" with an information icon. Below this are three tabs: "Overview" (highlighted in blue), "Broadband", and "Health". Below the tabs, there is a section titled "Select Variables" with an information icon. This section contains three dropdown menus: "Broadband" (labeled "Select Variable"), "Health" (labeled "Select Variable"), and "Overlay" (labeled "Select Overlay").

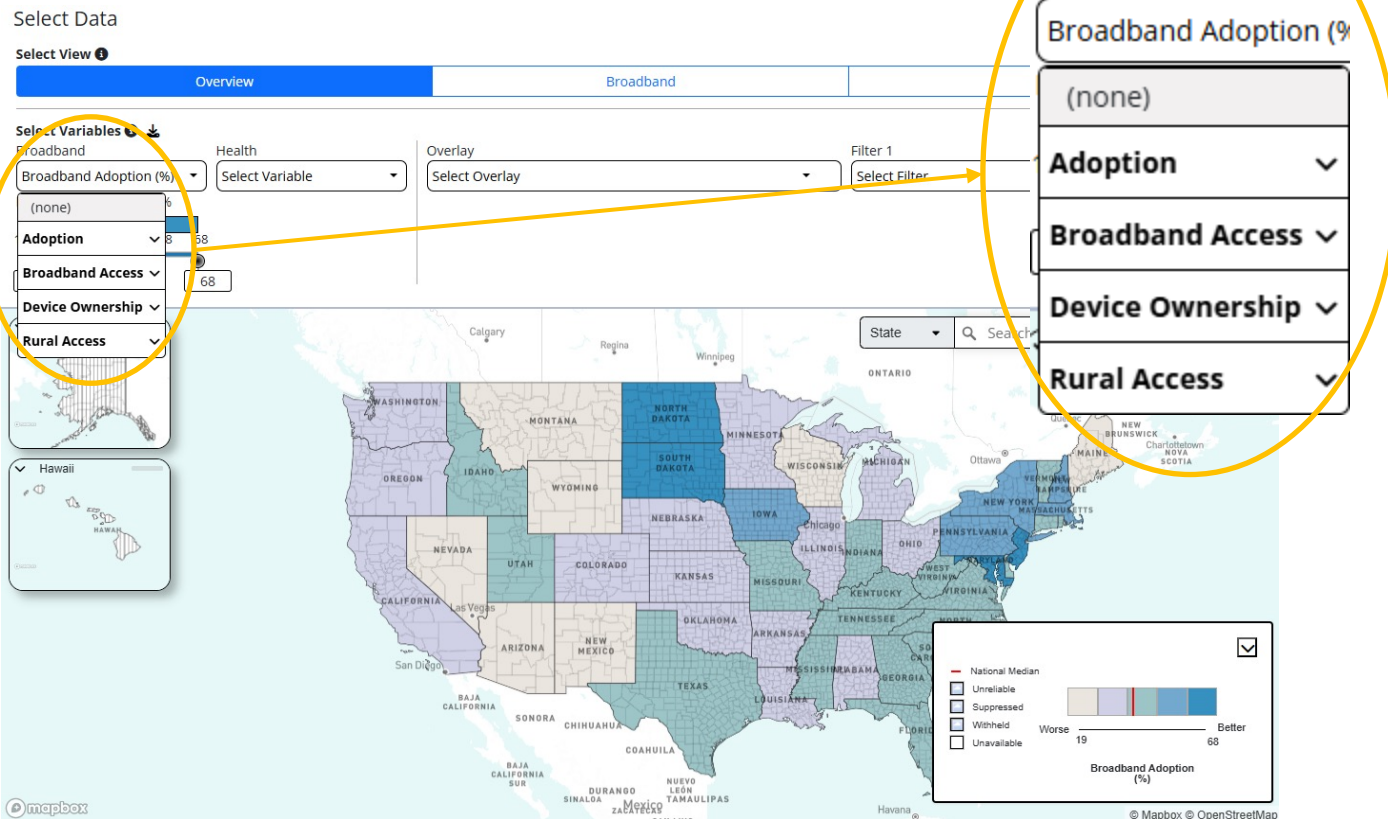
Overview:
Shows where broadband
and health need coincide

Broadband:
Displays the broadband
picture filtered by health

Health:
Displays the health picture
filtered by broadband

Set Variables: Broadband

Use the “Broadband” dropdown box to explore data on Adoption, Broadband Access, Device Ownership, and Rural Access.



Broadband Variables

Adoption

- Broadband Adoption
- Internet Adoption – Any Speed
- Internet Adoption – High Speed (Self-Report)

Broadband Access

- Access to Fixed Broadband Providers
- Fixed Broadband Access
- Fixed Broadband and Mobile Access
- Mobile Access
- Mobile Broadband Only
- Most Common Download Speed (All Fixed Wireless)
- Most Common Download Speed (Any Terrestrial)
- Most Common Upload Speed (All Fixed Wireless)
- Most Common Upload Speed (Any Terrestrial)

Device Ownership

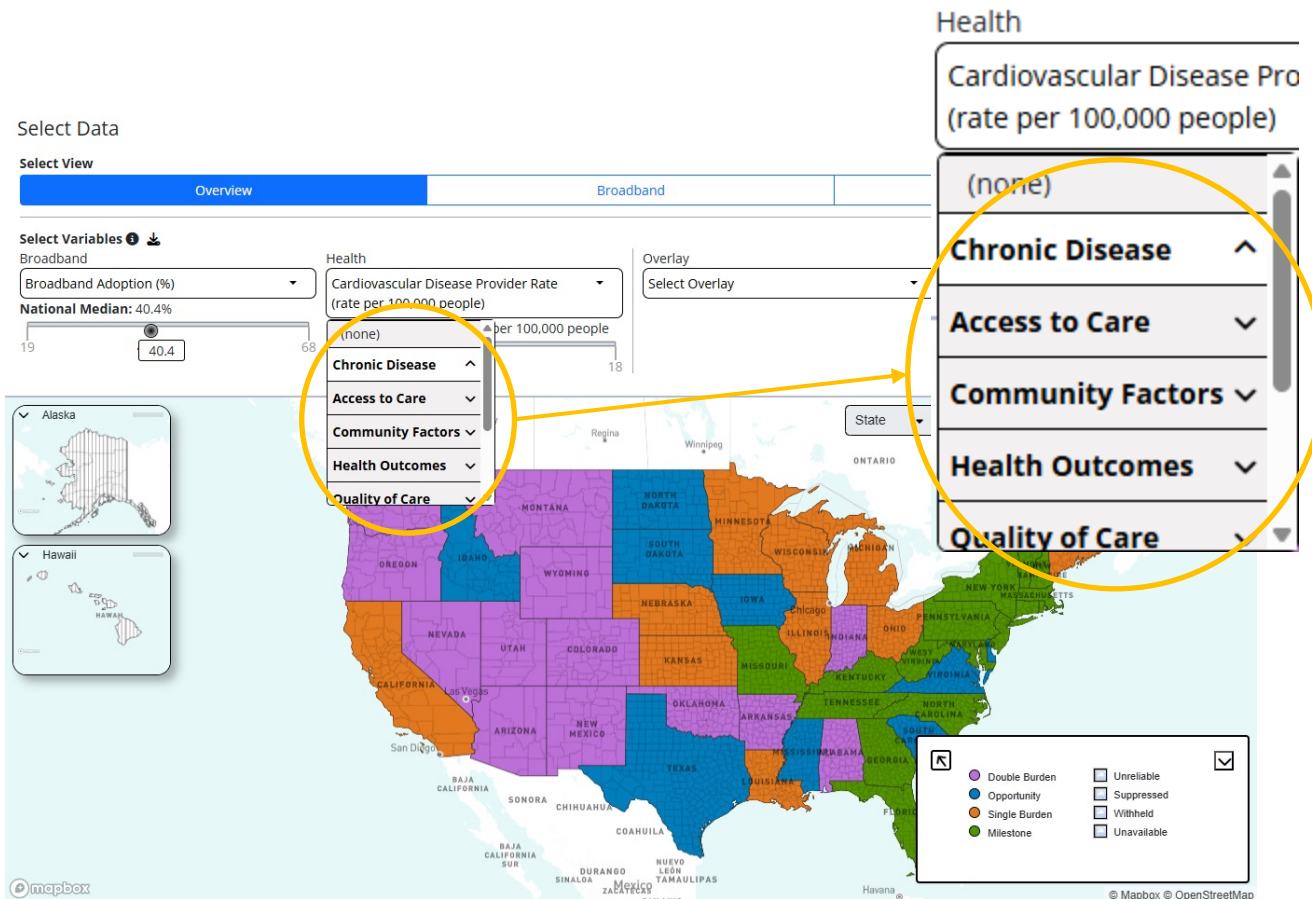
- Households – Desktop or Laptop Only
- Households – No Device
- Households – Smartphone Only

Rural Access

- Rural Fixed Broadband Access
- Rural Fixed Broadband and Mobile Access
- Rural Mobile Access

Set Variables: Health (1 of 3)

Use the “Health” dropdown boxes to explore data on Chronic Disease.



Chronic Disease Variables

Access to Care

- Cardiovascular Disease Provider Rate
- Dental Providers
- Mental Health Provider Shortage
- Outpatient Oncology Providers
- Physician Access

Community Factors

- Injury Deaths

Health Outcomes

- All Cancer Incidence
- All Cancer Mortality
- Breast Cancer Incidence
- Breast Cancer Mortality
- Cerebrovascular Disease Mortality Rate
- Colon Cancer Incidence
- Colon Cancer Mortality
- Diabetes
- Heart Failure Mortality Rate
- High Blood Pressure Prevalence
- High Cholesterol Prevalence
- Ischemic Heart Disease Mortality Rate

- Ischemic Heart Disease Prevalence

- Lung Cancer Incidence
- Lung Cancer Mortality
- Obesity
- Other Cardiovascular Disease Mortality Rate
- Poor/Fair Health
- Premature Death
- Prostate Cancer Incidence
- Prostate Cancer Mortality
- Sick Days
- Stroke Prevalence

Quality of Care

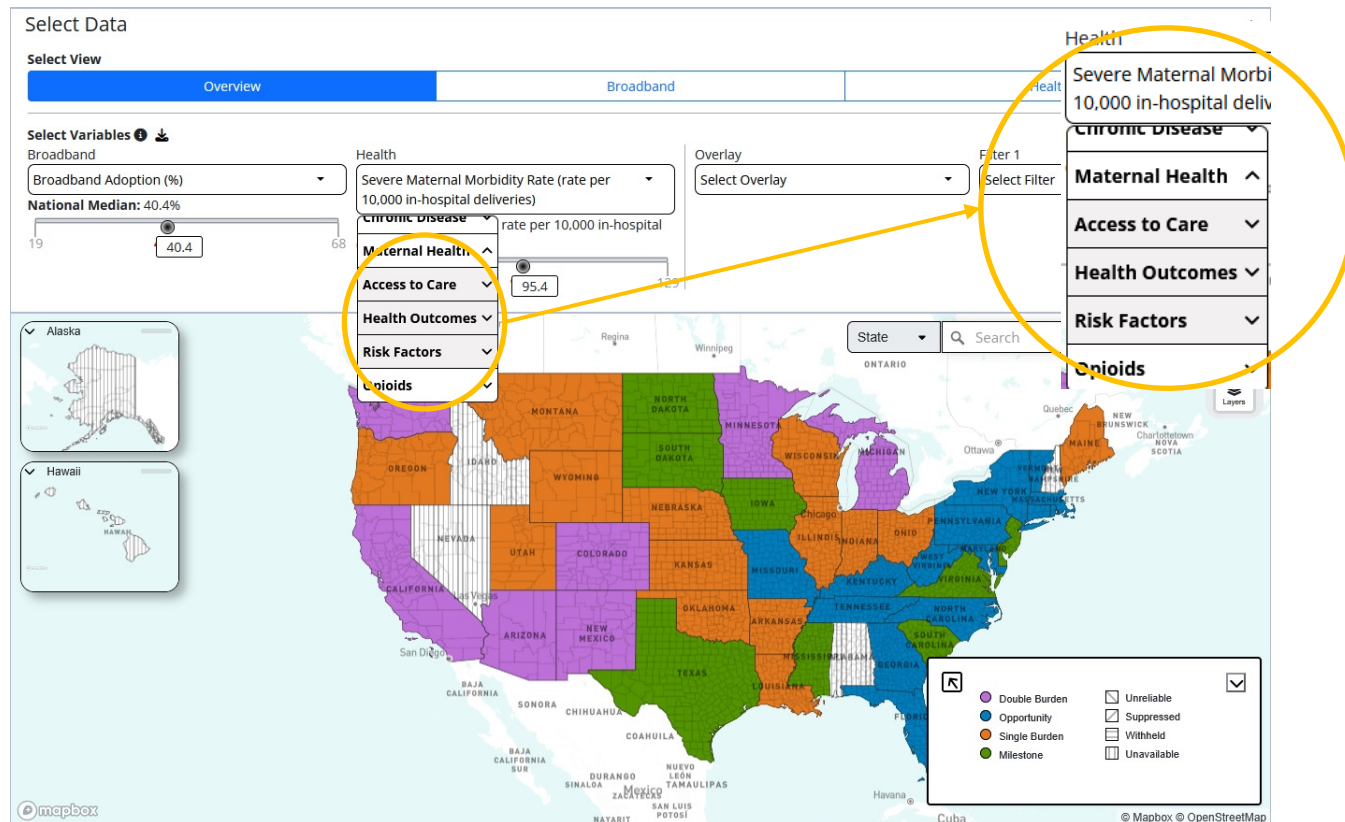
- Preventable Hospitalization

Risk Factors

- Colorectal Cancer Screening Prevalence
- Excessive Drinking
- Mammography Screening Prevalence
- Physical Inactivity
- Smoking

Set Variables: Health (2 of 3)

Use the “Health” dropdown box to explore data on Maternal Health.



Maternal Health Variables

Access to Care

- Maternity Care Deserts

Health Outcomes

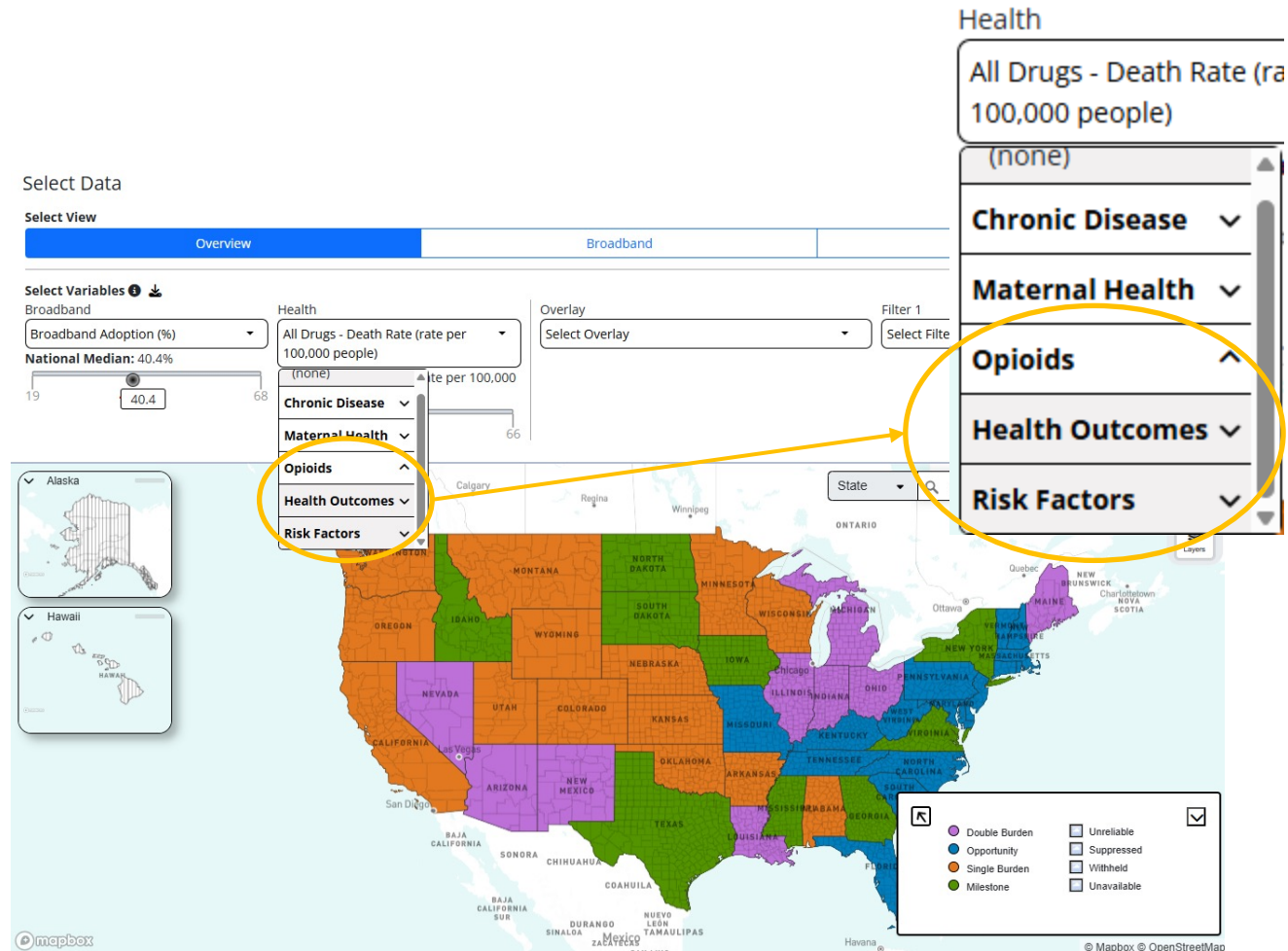
- Infant Mortality Rate
- Late Maternal Death Rate
- Maternal Deaths
- Maternal Mortality Rate
- Severe Maternal Morbidity Rate

Risk Factors

- Breastfeeding Initiation
- Low Birth Weight
- Maternal Diabetes
- Maternal Hypertension
- Pre-pregnancy Obesity
- Pre-term Births
- Smoking During Pregnancy

Set Variables: Health (3 of 3)

Use the “Health” dropdown box to explore data on Opioids.



Opioids Variables

Health Outcomes

- All Drugs – Death Rate
- All Drugs – Death Rate Trends
- All Opioids – Death Rate
- All Opioids – Death Rate Trends
- Heroin – Death Rate
- Heroin – Death Rate Trends
- Opioid Use Disorder
- Prescription Opioids – Death Rate
- Prescription Opioids – Death Rate Trends
- Synthetic Opioids – Death Rate
- Synthetic Opioids – Death Rate Trends

Risk Factors

- Opioids Prescription Rate
- Opioids Prescription Trends

Adjust Variable Data Thresholds and Filters

Select View ⓘ

Overview

Broadband

Health

Select Variables ⓘ ⬇

Broadband

Broadband Adoption (%) ▾

National Median: 40.4%

19 40.4 52.7 68

Health

Diabetes (%) ▾

National Median: 10%

7 10 15

Overlay

Select Overlay ▾

Filter 1

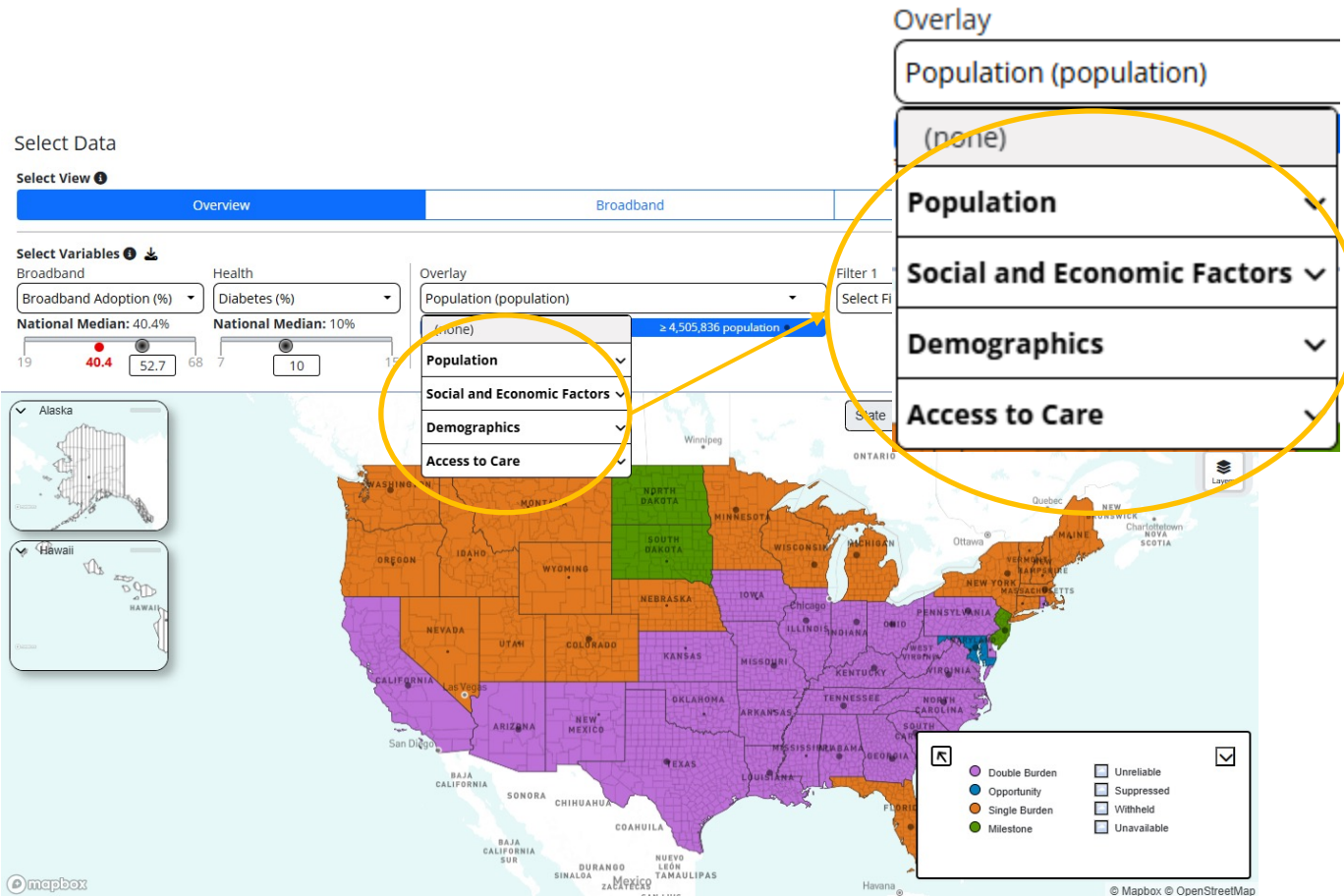
Select Filter ▾

In “OVERVIEW” view, the sliders are used to set the broadband and health thresholds to create the C2H Regional Categorization. The default thresholds are the national median values for the respective Broadband and Health variables, unless noted otherwise. When the slider is moved, the national median remains visible, as in the Broadband variable above.

To adjust the threshold, slide the moveable dot under the variable. The map will update to reflect the broadband and health need based on your selections.

Select a Map Overlay

Use the “Overlay” dropdown box to select demographic data to display on your customized map.



Overlay Options

(Numbers are Based on National Median)

Population

- Age (Over 65 Years)
- Female
- Population

Social and Economic Factors

- Education
- Median Household Income
- Unemployment

Demographics

- Maternal Age

Access to Care

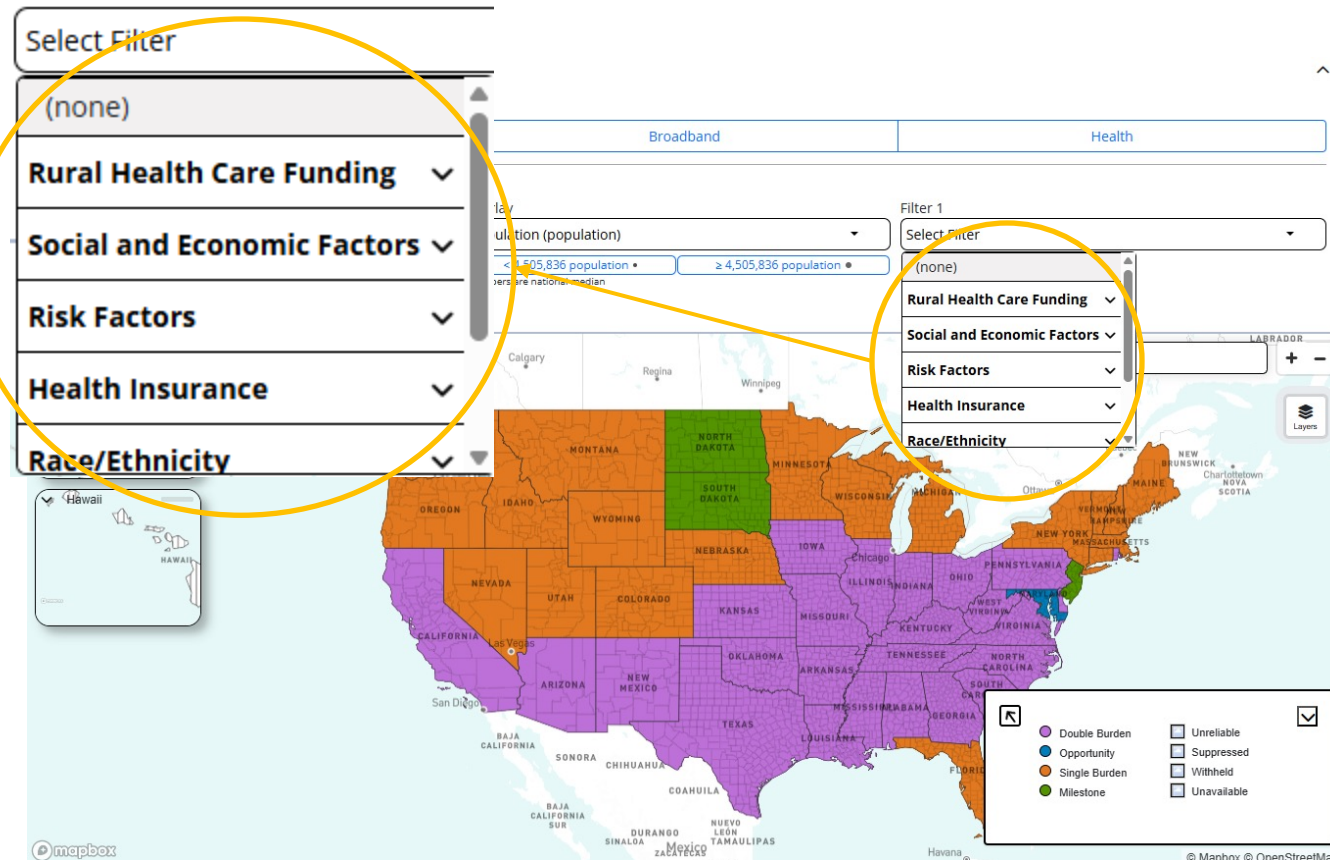
- Number of Hospitals with Chemotherapy Services
- Number of Hospitals with Mammography Services
- Number of Hospitals with Oncology Services

Overlay variables appear as dots on your customized map. Larger dots represent data above the national median, while smaller dots represent data below the national median.

Select Platform Filters (1 of 2)

Use the “Filters” dropdown boxes to filter results based on selected health variables, social and economic factors, and other demographic measures. Up to two filters can be selected.

Filter 1



Filter Options

Rural Health Care Funding

- All Eligible Entities (Total)
- Community Health Centers
- Community Mental Health Centers
- Consortia
- Dedicated Emergency Rooms
- Educational Institutions
- Local Health Departments
- Not-For-Profit Hospitals
- Other Entities
- Rural Health Clinics
- Skilled Nursing Facilities

Social and Economic Factors

- Food Insecurity
- Households – No Vehicle
- Poverty
- Veteran Status

Risk Factors

- HIV Prevalence
- Poor Mental Health Days

Health Insurance

- Medicaid
- Medicare
- Percent Uninsured
- Private Insurance

Broadband

- Percentage Served
- Percentage Underserved
- Percentage Unserved

Race/Ethnicity

- Race/Ethnicity (All) - AI/AN
- Race/Ethnicity (All) - Asian
- Race/Ethnicity (All) - Black
- Race/Ethnicity (All) - Hispanic
- Race/Ethnicity (All) - Multiple
- Race/Ethnicity (All) - NH/PI
- Race/Ethnicity (All) - White

Rurality

- Rurality – Min/Max
- Rurality – Quintiles

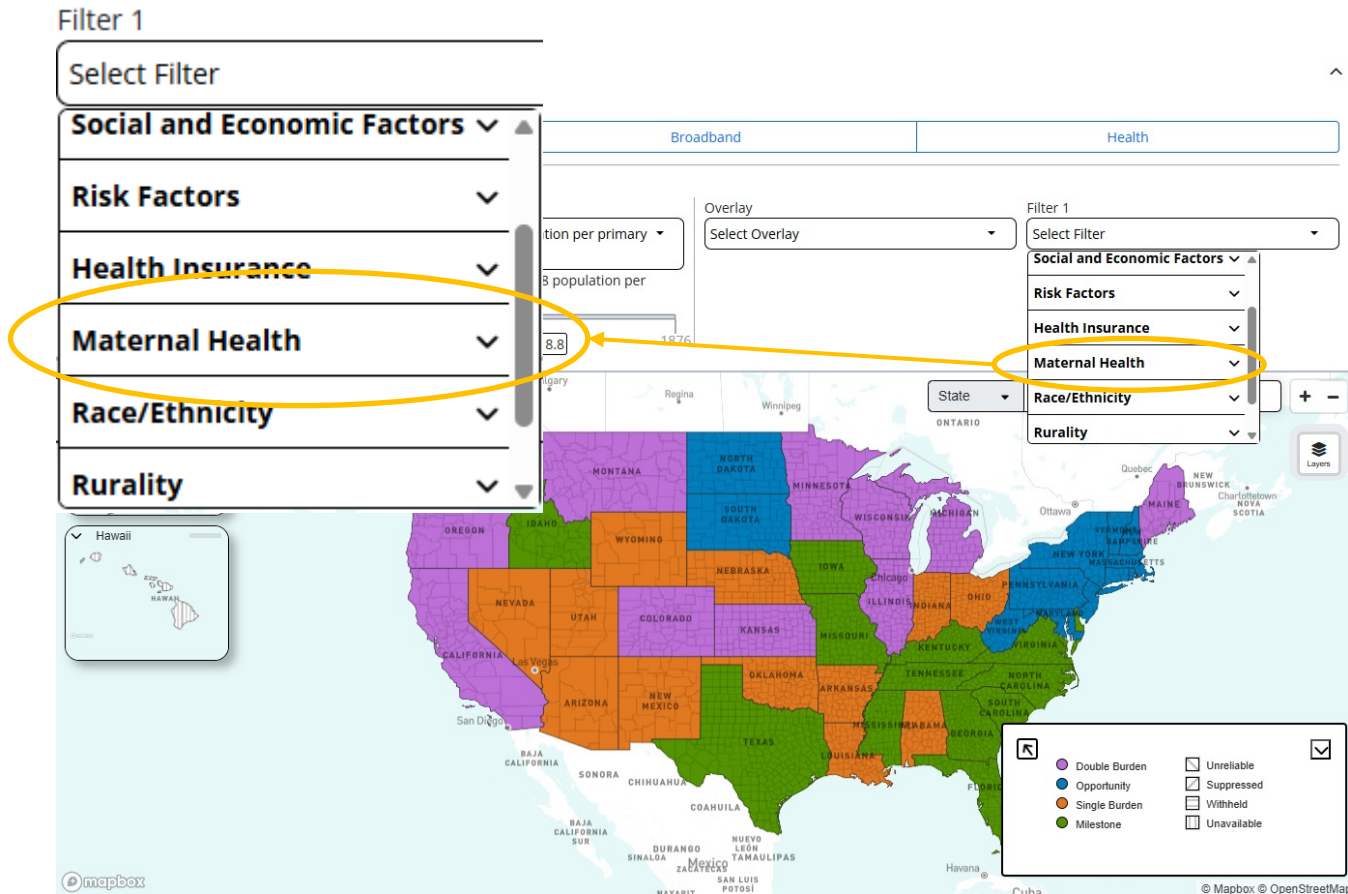
Community Factors

- Severe Housing

Select Platform Filters (2 of 2)

Selecting a Maternal Health variable will add maternal health-specific options to the filter dropdown menus.

Maternal Health Filter Options



- Race/Ethnicity (Maternal) – AI/AN
- Race/Ethnicity (Maternal) – Asian
- Race/Ethnicity (Maternal) – Black
- Race/Ethnicity (Maternal) – Hispanic
- Race/Ethnicity (Maternal) – Multiple
- Race/Ethnicity (Maternal) – NH/PI
- Race/Ethnicity (Maternal) – Non-Hispanic
- Race/Ethnicity (Maternal) – White

Navigate the Platform

Move Around the Map

Select Data

Select View 

Overview

Broadband

Health

Select Variables  

Broadband

Fixed Broadband Access (%)

National Median: 92%

0

92

22

Health

Diabetes (%)

National Median: 10.8%

6

10.8

22

Overlay

Population (population)

< 25,749 population

≥ 25,749 population

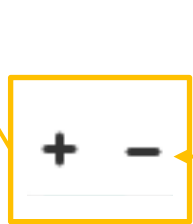
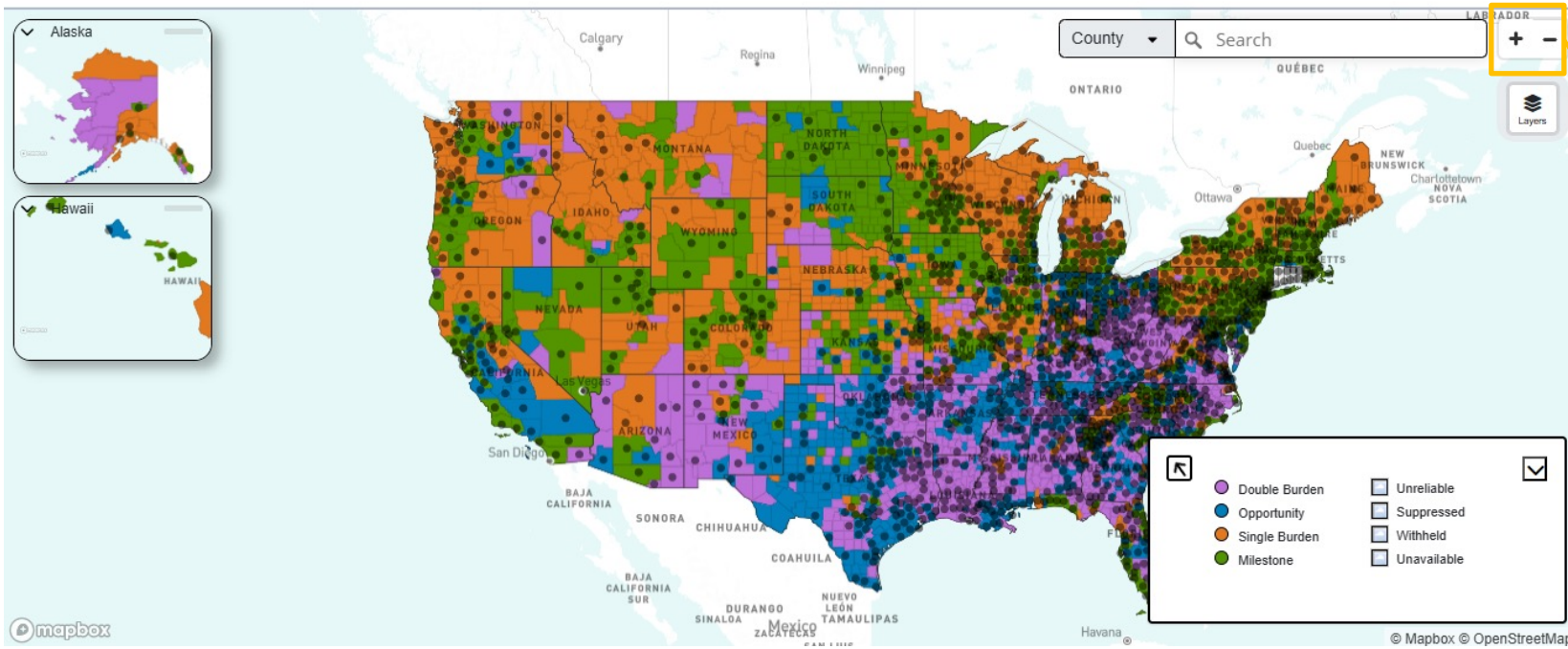
*numbers are national median

Filter 1

Select Filter



Click, hold, and drag the map to move across the country.



Use the Zoom controls to zoom in (+) and out (-) of the map.

Set to State or County Level & Select Layers

Select Data

Select View ⓘ

Overview

Broadband

Health

Select Variables ⓘ ⌵

Broadband

Broadband Adoption (%)

National Median: 40.4%

19 40.4 68

Health

Diabetes (%)

National Median: 10%

7 10 15

Overlay

Population (population)

< 4,505,836 population •

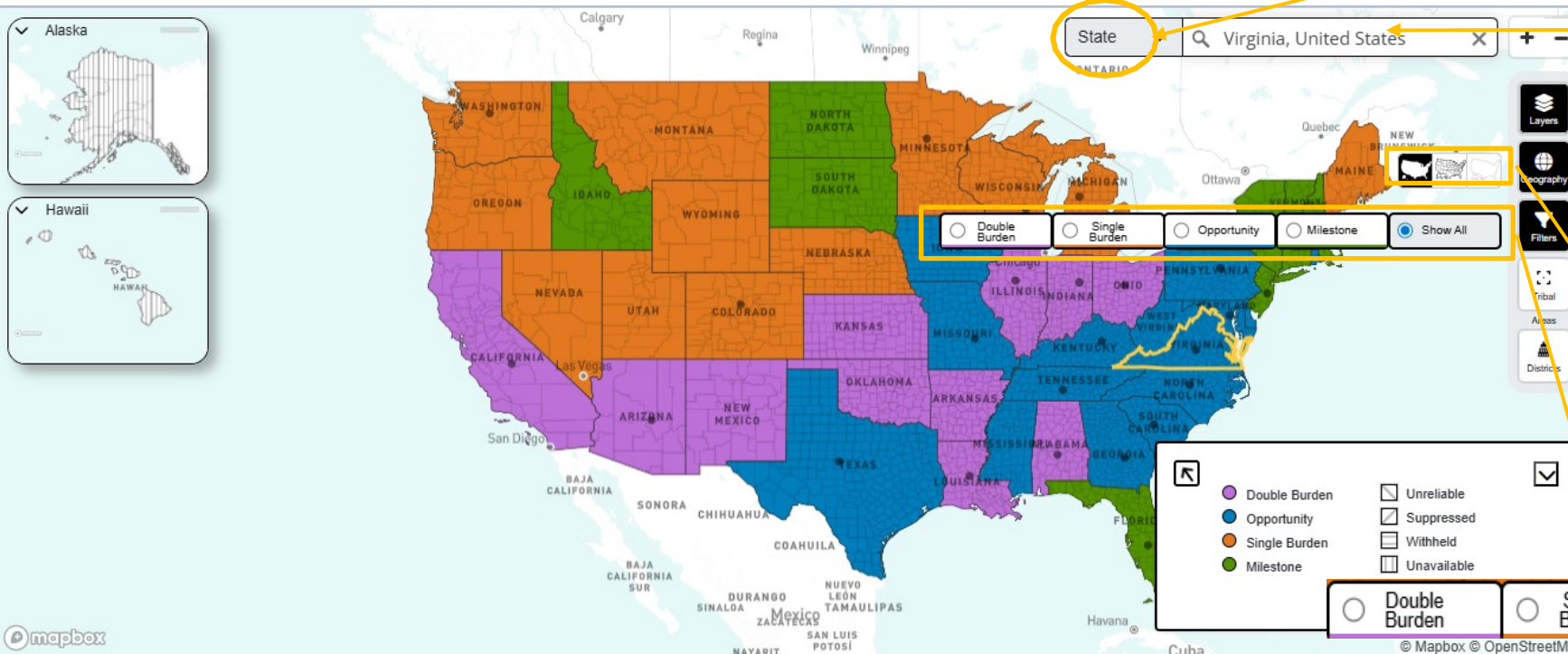
*numbers are national median

≥ 4,505,836 population •

Filter 1

Select Filter

Specify whether the map will show data at the state or county level (note: not all data is available at county level)



Search to zoom into a county or state



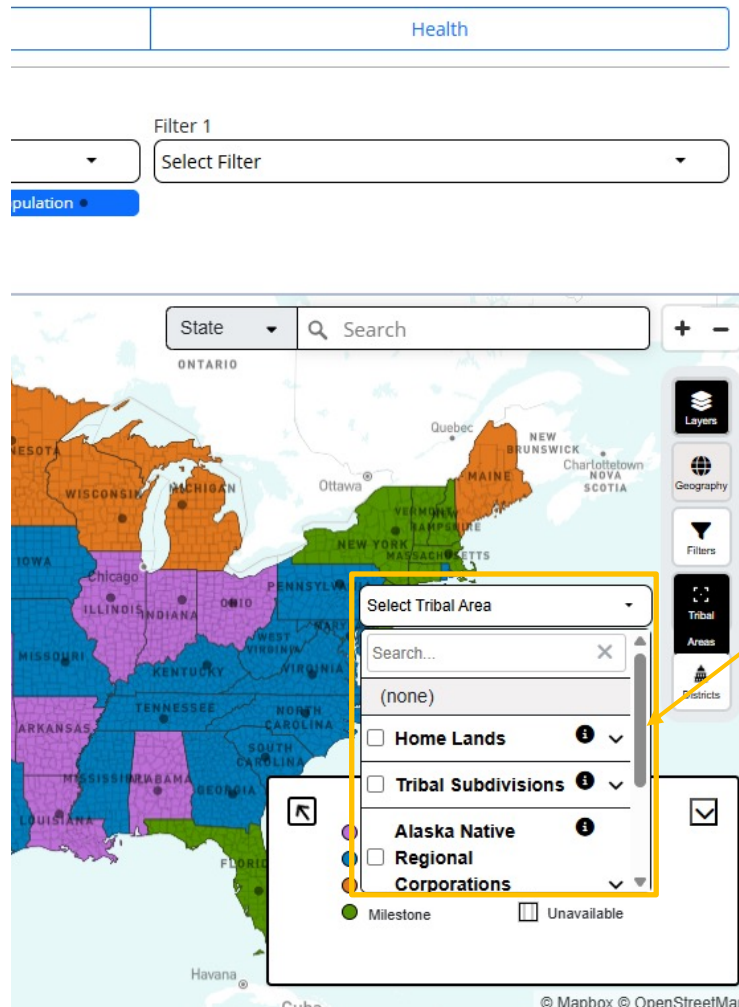
Select "Layers" to view a list of layers for Geography, Filters, Tribal Areas, and Districts.



The "Geography" layer provides three options for displaying and isolating your state.

If "Overview" view is selected, the Filters layer will appear. This layer allows you to filter by double burden, single burden, opportunity, or milestone.

Additional Layers

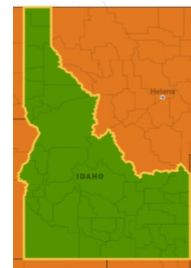
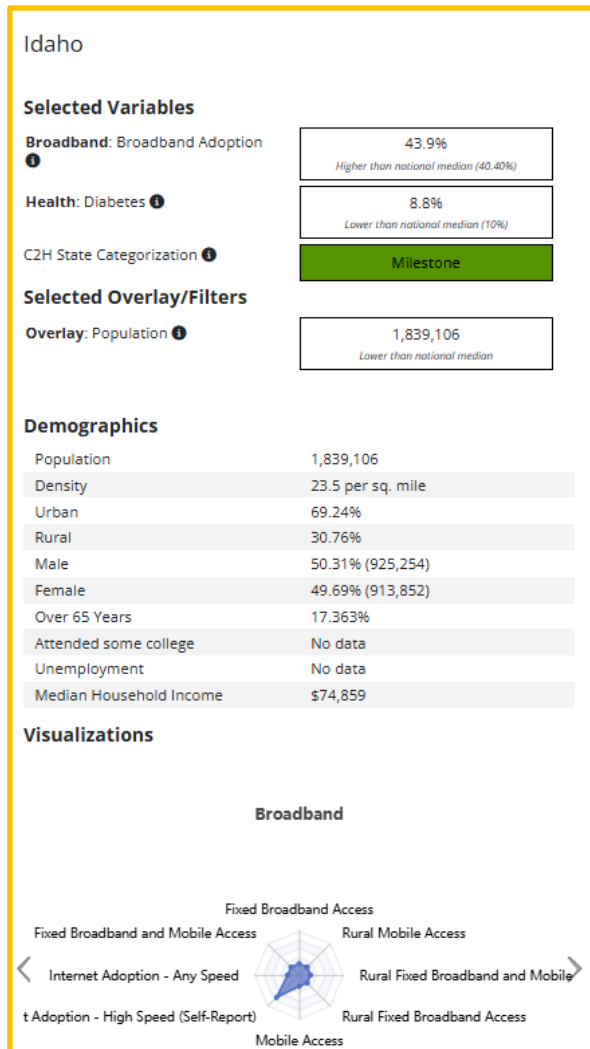


The “Tribal Areas” layer allows you to see legally defined geographic areas and subdivisions for federally recognized tribes, as well as statistical areas within American Indian reservations and lands.

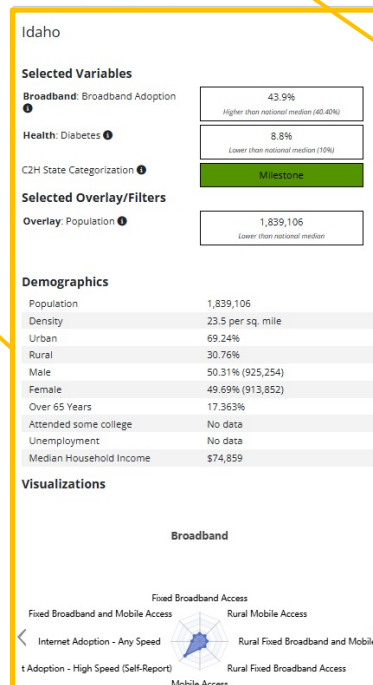
The “Districts” layer allows you to view Congressional Districts for all 50 states and the District of Columbia.



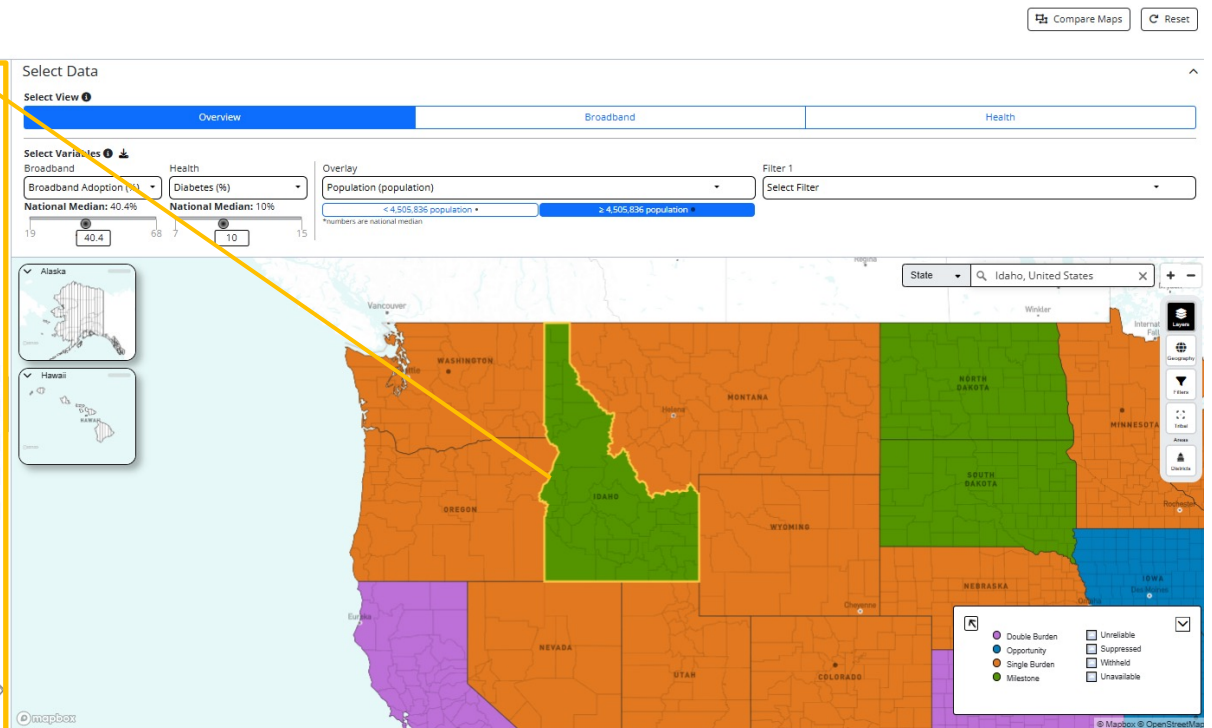
Review Detailed Geographic Information



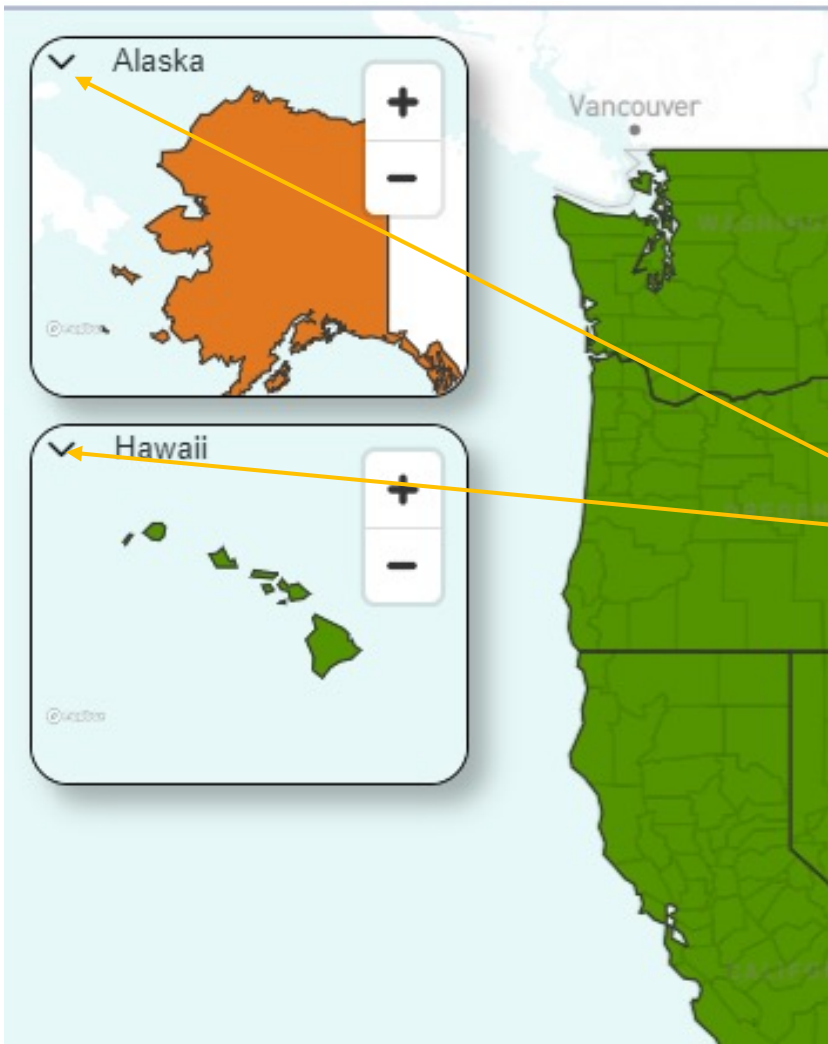
Broadband Adoption and Diabetes
With overlay of Population



After you select a specific state or county, additional contextual information will appear to the left of the map. All information updates automatically when you select a new county or state.



Expand Alaska and Hawaii



Alaska and Hawaii appear in separate panels on the top left side of the map. Click on the zoom buttons inside these panels to zoom in (+) or zoom out (-) of Alaska and Hawaii.

To minimize and focus on the contiguous United States, click on the arrows in the top left corner of these panels.



Smaller buttons will now appear for Alaska and Hawaii in the lower left corner of the map. Click these buttons to display larger visuals again.

Reset Selections

Use the “Reset” button on the far right of the Control Panel to remove all selections and start again on a new customized visualization.



Mapping Broadband Health in America

[Download Data](#) [Share](#) [Export to PDF](#)

Internet Adoption - Any Speed and Infant Mortality Rate
With overlay of Female and filters for All Eligible Entities (Total) and Medicaid

[Compare Maps](#) [Reset](#)

To display additional information in this panel for a particular county, select the county on the map.

Select Data

Focus on Broadband data, filtered by Health data

Select View ⓘ

Overview

Broadband

Health

Select Variables ⓘ ⬇

Broadband

Internet Adoption - Any Speed (ratio) ▾

National Median: 87 ratio



Health

Infant Mortality Rate (rate per 1,000 live births) ▾

National Median: 6.1 rate per 1,000 live



Overlay

Female (%) ▾

< 49.947 % •

≥ 49.947 % •

*numbers are national median

Filter 1

All Eligible Entities (Total) (dollars) ▾

Funding

No Funding

Filter 2

Medicaid (%) ▾

< 17.416%

≥ 17.416%

*numbers are national median

About Broadband and Maternal Health

The United States is the only developed country with increasing maternal mortality and severe maternal morbidity rates and, according to the CDC, more than 80% of maternal deaths are preventable. Broadband connectivity is related to more positive maternal health outcomes at the county level and is an important part of the toolkit for improving maternal health and

Comparative Geographies

Mapping Broadband Health in America

Internet Adoption - Any Speed and Infant Mortality Rate

With overlay of Female and filters for All Eligible Entities (Total) and Medicaid

To display additional information in this panel for a particular county, select the county on the map.

About Broadband and Maternal Health

The United States is the only developed country with increasing maternal mortality rates. According to the CDC, preventing maternal deaths and reducing important risk factors for maternal health are key to addressing the maternal health crisis. Broadband is a critical tool for maternal health and fetal health, and fetal health interventions are critical to the health of people living in rural areas.

About the Mapping Broadband Health in America

Select Data

Select View

Overview

Focus on Broadband data, filtered by Health data

Broadband

Health

Select Variables

Broadband

Internet Adoption - Any Speed (ratio)

National Median: 87 ratio

Health

Infant Mortality Rate (rate per 1,000 live births)

Overlay

Female (%)

< 40.947 %

Filter 1

All Eligible Entities (Total) (dollars)

< 17,416 %

Filter 2

Medicaid (%)

< 17,416 %

Compare Maps

First Map: Internet Adoption - Any Speed and Infant Mortality Rate
With overlay of Female and filters for All Eligible Entities (Total) and Medicaid

Second Map: Internet Adoption - Any Speed and Maternal Mortality Rate *

* Select view and variables below to configure secondary map.

Select View

Overview

Broadband

Health

Select Variables

Broadband

Internet Adoption - Any Speed (ratio)

National Median: 87 ratio

Health

Maternal Mortality Rate (rate per 100,000 live births)

National Median: 26.3 rate per 100,000 live births

Overlay

Select Overlay

Filter 1

Select Filter

Open Maps →

After generating a map by selecting variables, filters, and overlays, you can create a second map and compare it with the first using the Compare Maps feature.

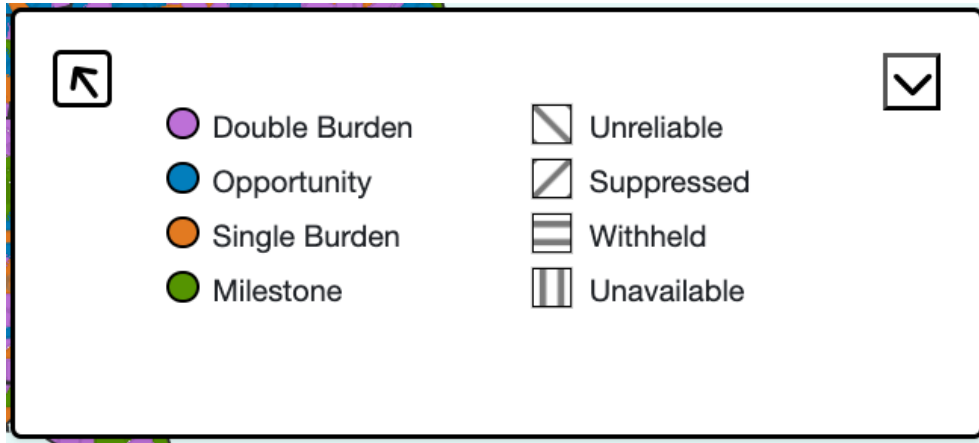
Choose variables, overlays, and filters for the second map, then click “Open Maps” to view both maps side by side in a new window.

Open Maps →

Create Your Custom Map

Use the Map Legend: OVERVIEW View (1 of 2)

The legend explains what is being shown on the map and includes a map key and the definition section.



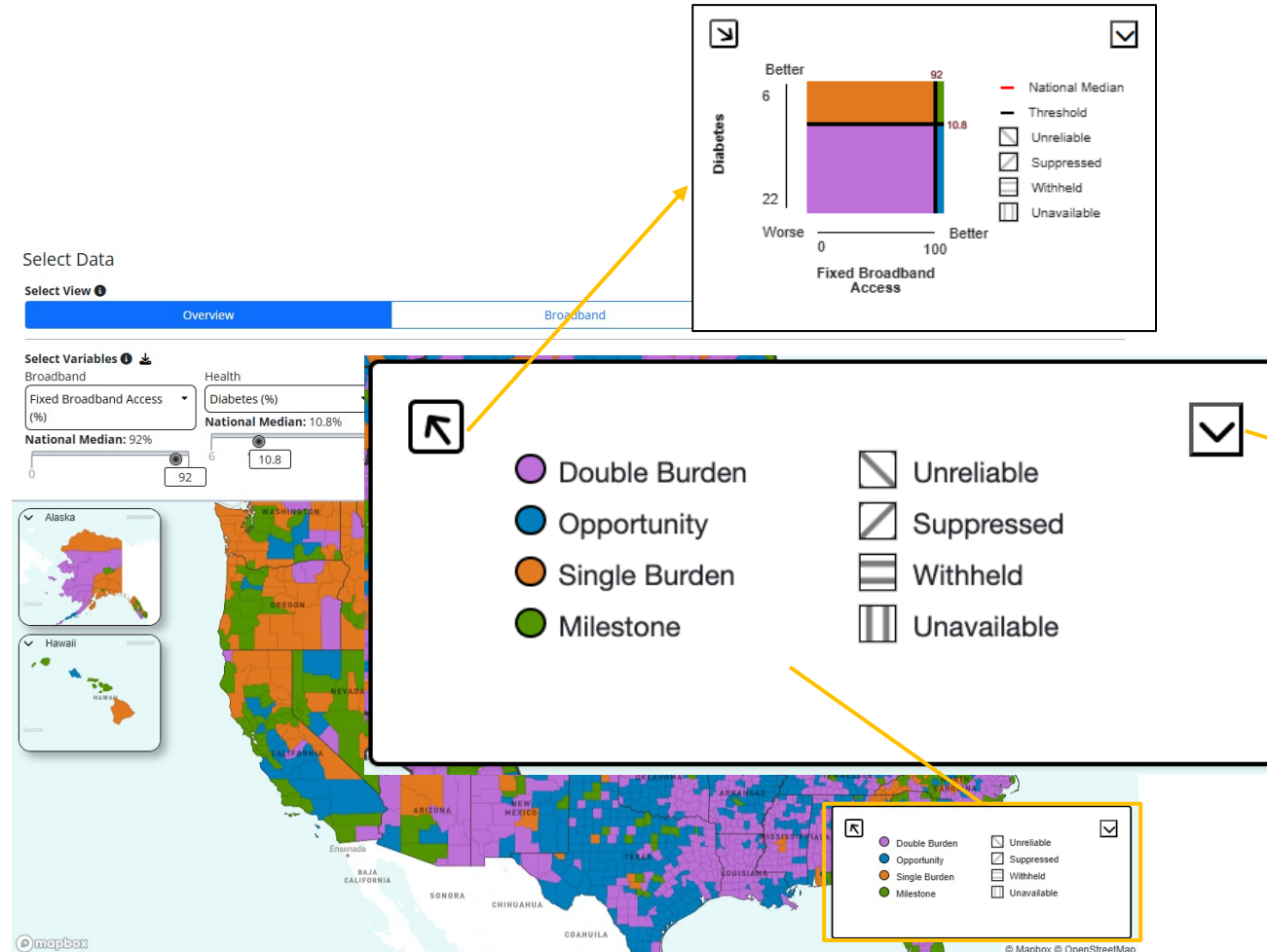
In “OVERVIEW” view, once you select a broadband and health variable, the map is sorted into categories that allow users to quickly understand the relationship between broadband connectivity and health need by geography. States and counties will fall into one of four categories:

- **Double burden**: Area has *lower* connectivity status and *higher* health need than threshold
- **Single burden**: Area has *lower* connectivity status and *lower* health need than threshold
- **Opportunity**: Area has *higher* connectivity status and *higher* health need than threshold
- **Milestone**: Area has *higher* connectivity status and *lower* health need than threshold

Occasionally, data is unavailable either because it is **unavailable, unreliable, suppressed, or withheld**. These four categories are shown as patterns on the map. You can view the specific definition by hovering over the word in the legend.

Use the Map Legend: OVERVIEW View (2 of 2)

The legend explains what is being shown on the map and includes a map key and the definition section.



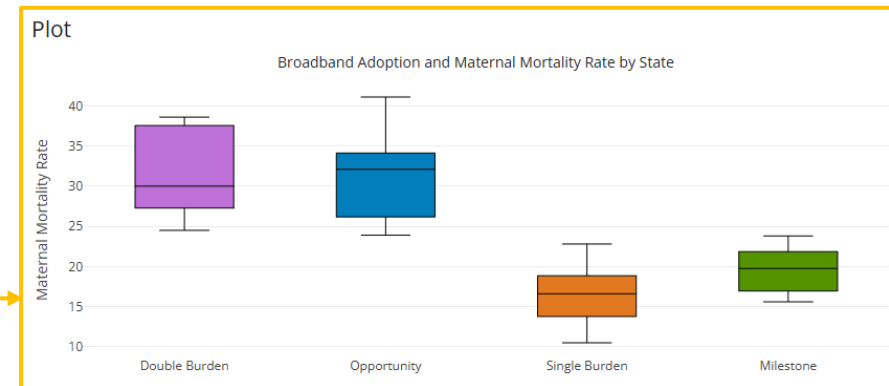
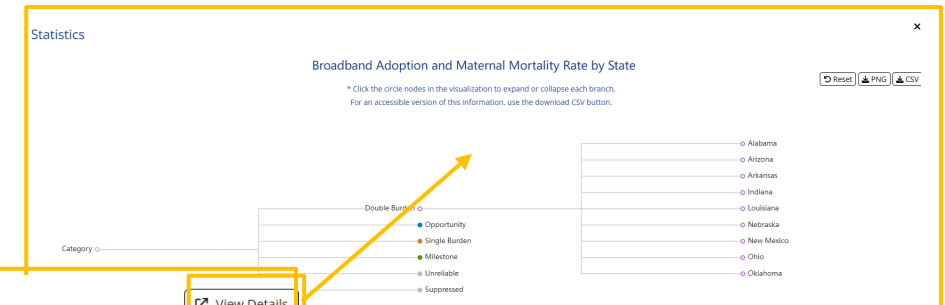
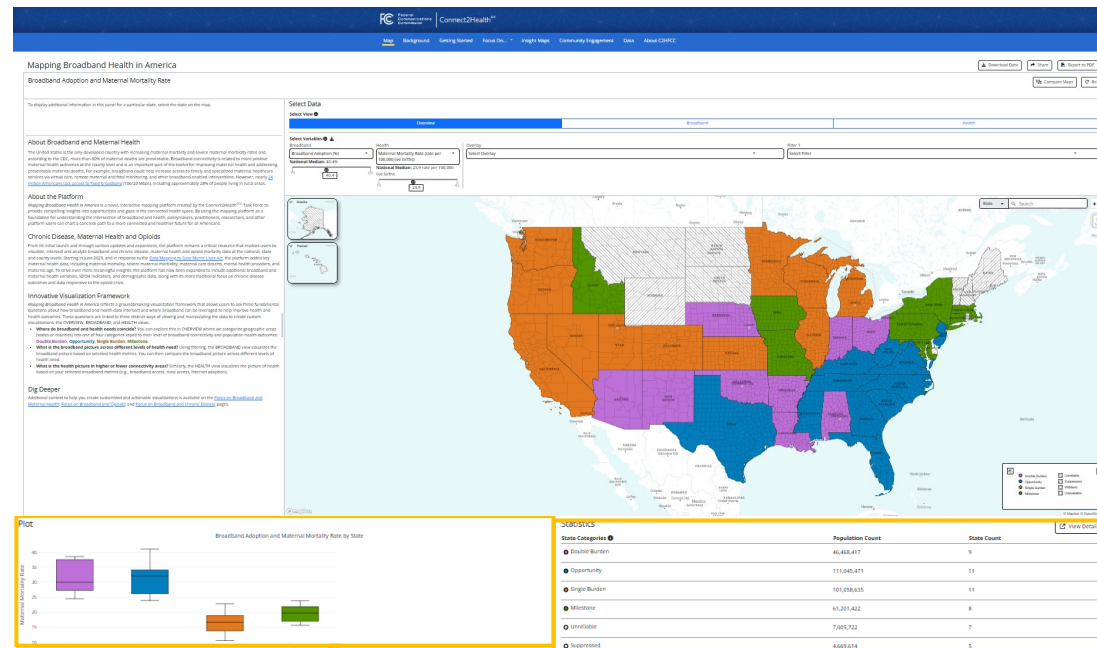
Click the left arrow to open a pop-up that shows categories arranged in colored quadrants and selected thresholds as thick black lines. It automatically updates if you change a threshold. The national median for each variable is shown as a thin red line and does not change.



Click the right arrow to shrink the legend to a small button in the bottom right corner of the map.

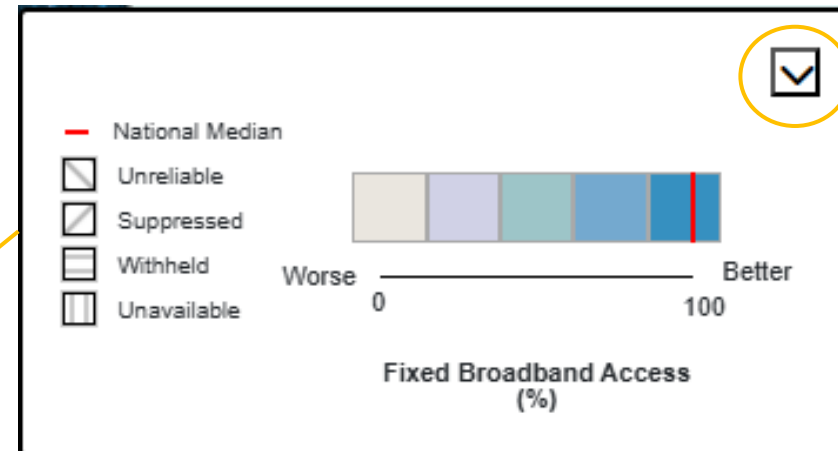
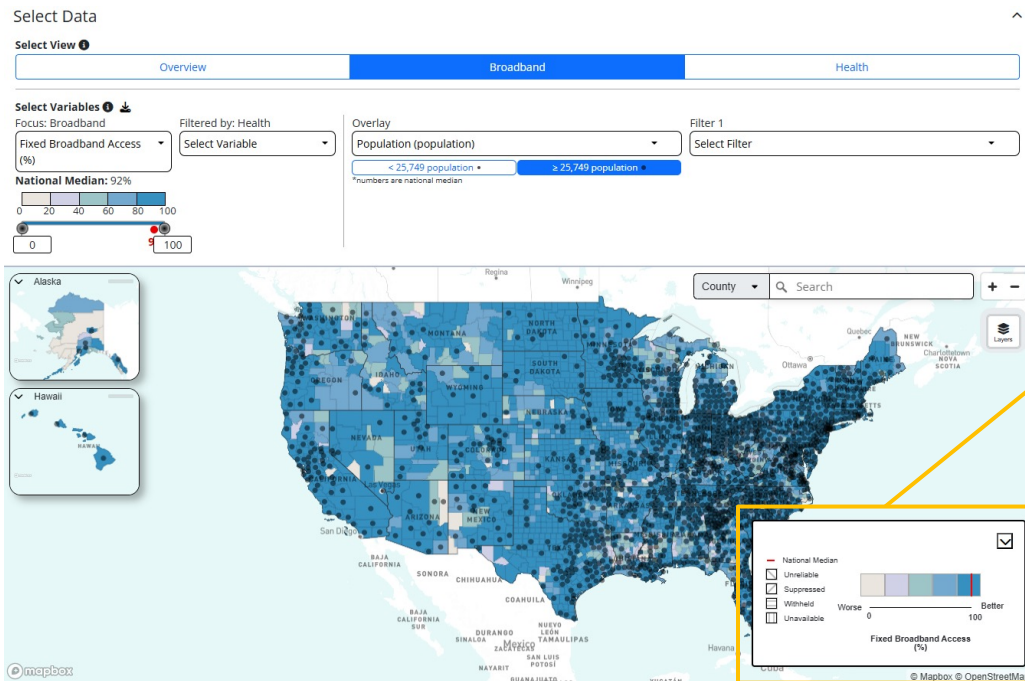
Nationwide Plot and Statistics: OVERVIEW View

The “Plot” panel depicts the number of states or counties represented in your custom map by C2H categorization. The “Statistics” panel provides the number and population of states or counties in each category. The “View Details” button provides downloadable lists of the states or counties in each category.



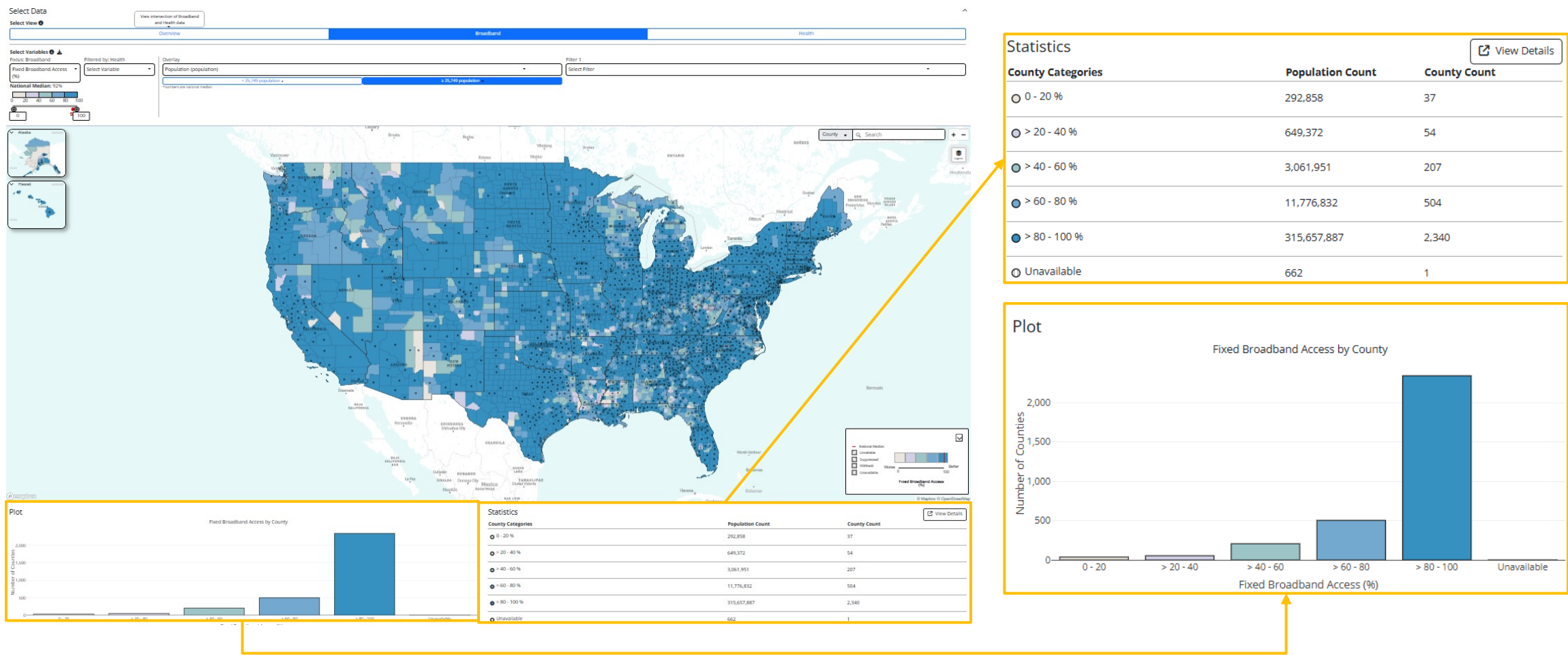
Use the Map Legend: BROADBAND or HEALTH Views

In the “BROADBAND” or “HEALTH” view, the map key displays the selected broadband or health variable in quintiles (fifths) from higher need (left) to lower need (right). The quintiles correspond directly to the quintiles that appear underneath the variable dropdown and use the same colors. For reference, the national median is shown as a thin red line.



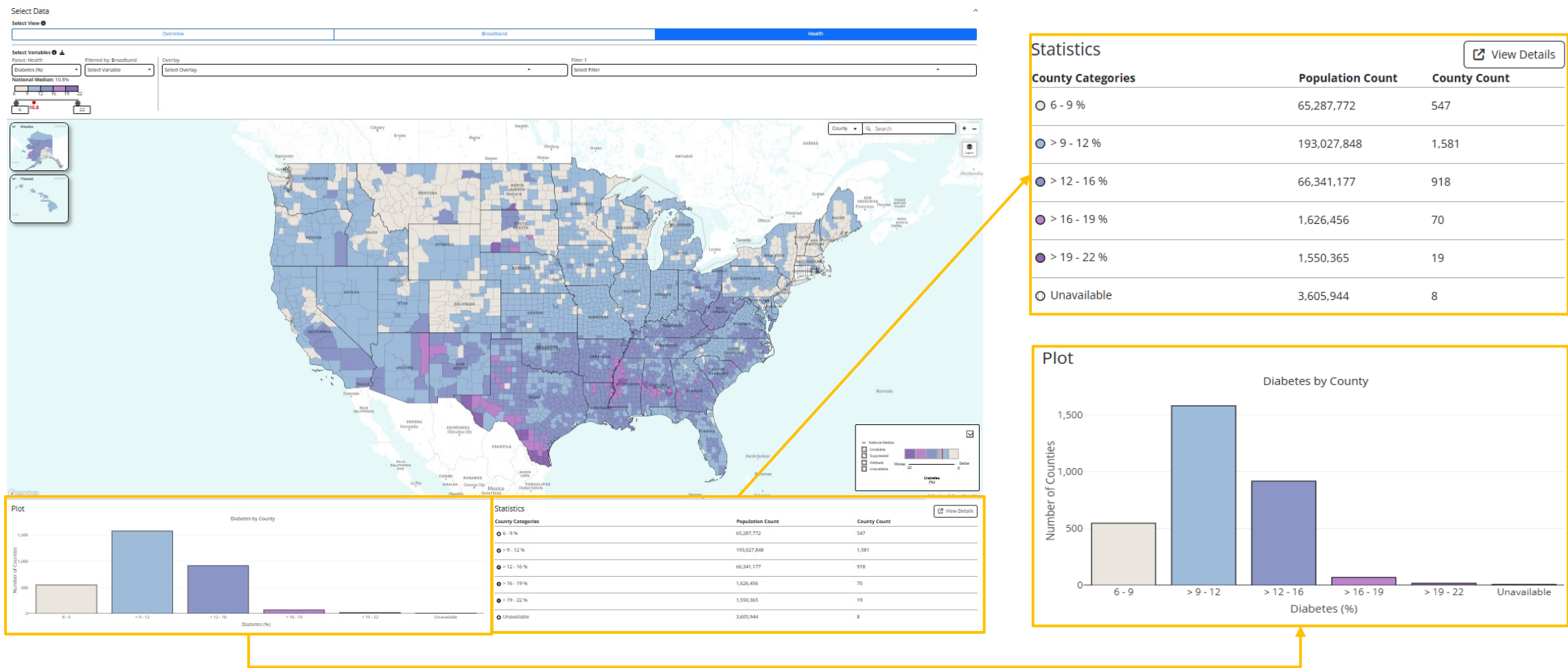
Nationwide Plot and Statistics: BROADBAND View

Use the “BROADBAND” view to visualize Broadband filtered by Health variables.



Nationwide Plot and Statistics: HEALTH View

Use the “HEALTH” view to visualize Health filtered by Broadband variables.



Plot

Diabetes by County

Number of Counties

Diabetes (%)

6 - 9

> 9 - 12

> 12 - 16

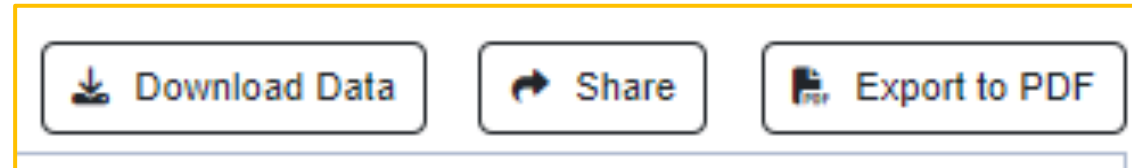
> 16 - 19

> 19 - 22

Unavailable

Download and Share

Data Sharing Toolbar



Download data

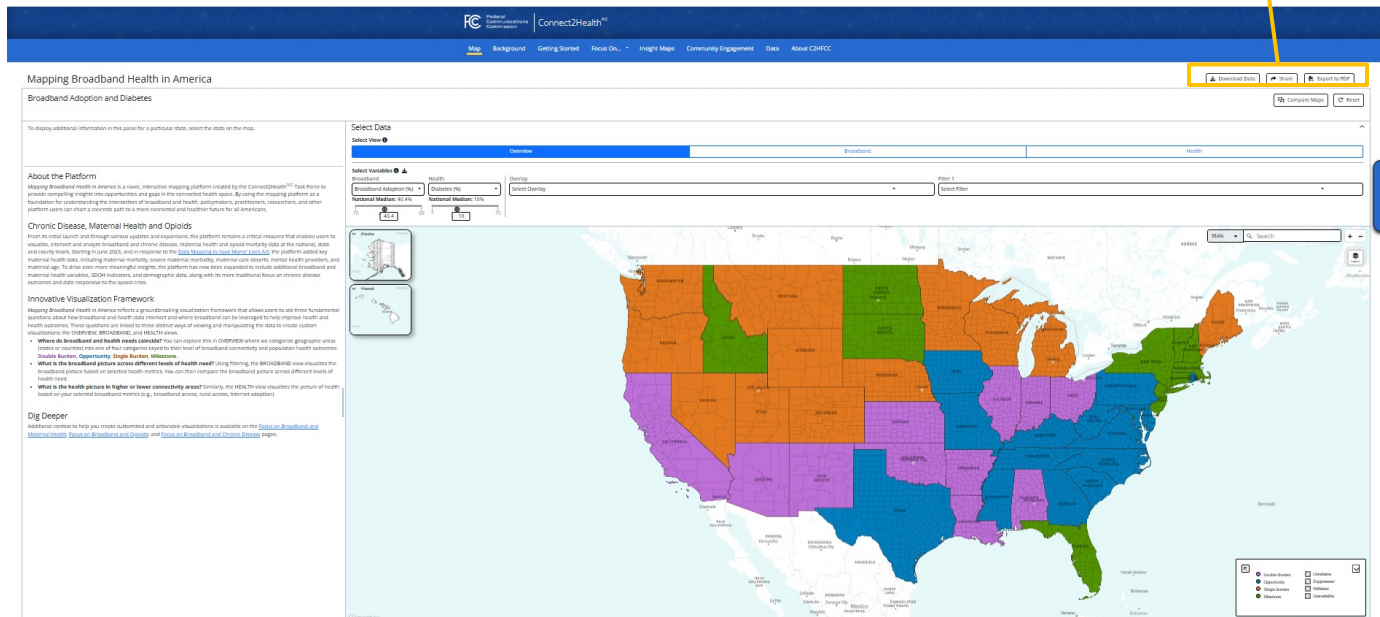
Select “Download Data” in the top right corner to download the data behind the platform and visualizations. You can download at the National, State and County levels in both CSV and JSON formats.

Share

Select “Share” in the top right corner to generate a link to your customized map, including your selected variables, overlays, and filters.

Export to PDF

Select “Export to PDF” in the top right corner to generate a PDF showing your customized map and supporting visualizations. You can select which elements, including plots, statistics, and supporting visualizations, should be included in the PDF export.



Tailored Download



After making variable selections, click the download button to download data for the selected variables and states or counties. Your data will download automatically in .csv format.

