



Introduction to the HHS emPOWER Map

The HHS emPOWER Map is a **public, interactive map that displays the total number of at-risk electricity-dependent Medicare beneficiaries in a geographic area**, down to the ZIP Code. Community members, aging agencies, first responders, public health authorities, and others can use the HHS emPOWER Map **prior to, during, after** an emergency, incident, or disaster to anticipate, plan for, and respond to the needs of at-risk Medicare beneficiaries.



What is electricity dependency?

Over 2.5 million Medicare beneficiaries depend on electricity-powered medical and assistive equipment, such as ventilators and battery-operated wheelchairs, to live independently in their homes. Incidents that cause prolonged power outages, such as severe weather or disasters, can be life threatening for these individuals. Many of these individuals will rapidly seek assistance from first responders, hospitals, and emergency shelters as their back up batteries and equipment begin to fail.



What data is included in the emPOWER Map?

- The emPOWER Map displays three types of data:
- (1) Severe weather and natural hazards;
 - (2) Medicare claims data; and
 - (3) Geographic information system (GIS) map type.

The Medicare claims data is updated on a monthly basis. The weather and natural hazard data (National Oceanic and Atmospheric Administration [NOAA]/USGS) is updated in real or near-real time (usually hourly or daily). Specific information on the update cycle for the NOAA/USGS data can be found at the links provided at the bottom of the map webpage.

The map is publicly accessible at: <https://empowermap.hhs.gov/>.



How can the emPOWER Map help communities prepare for an emergency?

The HHS emPOWER Map enhances population-based situational awareness and provides actionable information for those assisting at-risk populations that may be impacted by severe weather, wildfires, and other disasters:

- Public health and emergency management officials can **determine shelter locations** and shelter resource needs, **plan for evacuations** by identifying potential evacuation routes, and develop improved public communications.
- Hospitals, health care coalitions, and first responders, including emergency medical services, can **identify health care resource needs** and potential **areas of hospital and EMS surge**.
- Local electric companies can identify the areas that will require **prioritized power restoration** to protect health and save lives.
- Community businesses and civic organizations can use the data to identify ways to **provide support to the community in an emergency**, such as providing charging stations for device batteries.

How to use the HHS emPOWER Map

This guide provides instructions on how to use the HHS emPOWER Map to gather information on your community and build your situational awareness.

Step 1: Visit the emPOWER Map website

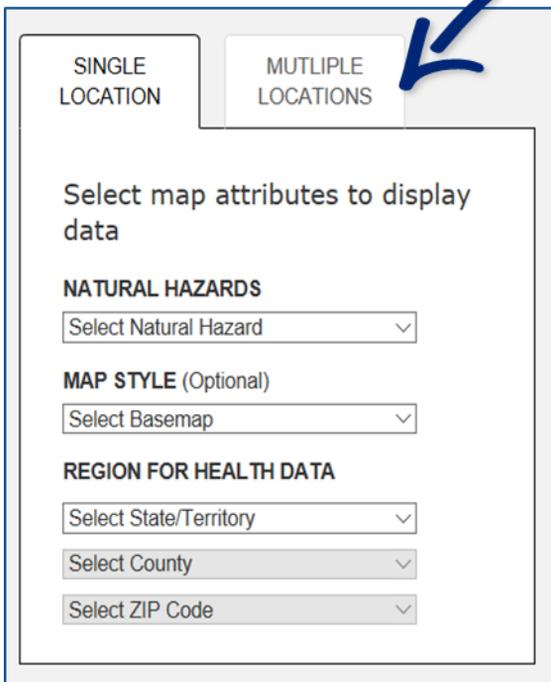
Go to <https://empowermap.hhs.gov/>.

Step 2: Select map display options

To the left of the map there is a section titled “**Select data type**”. There are two tabs with similar drop-down options below this header that allow you to select multiple combinations of data for three main types of map data: natural hazards, region for health data, and map style.

The **SINGLE LOCATION** tab will let you gather data for one state, county, or ZIP Code.

The **MULTIPLE LOCATIONS** tab lets you gather data for multiple states, counties, or ZIP Codes.



Step 2, Option 1: Use the drop-down menu to select one or more of the following map displays

NATURAL HAZARDS (Optional). Click on the arrow to the right of “Select Natural Hazard,” scroll down to view the options, and click on the natural hazard you would like to display. The map will show the option you selected.

MAP STYLE (Optional). Click on the arrow to the right of “Select Basemap,” scroll down to view the options, and click on the style you would like to display. The background map will update with the new base map.

REGION FOR HEALTH DATA. To obtain the total number of Medicare beneficiaries and electricity-dependent beneficiaries for one specific region, click on the arrow to the right of “Select a State/Territory.” Scroll down to the state/territory that you are interested in viewing, and repeat this action for the drop-down menus that say “Select County” and “Select ZIP Code.”

If you’re on the MULTIPLE LOCATIONS tab, you will have the option to select several states, counties, or ZIP Codes.



How to use the HHS emPOWER Map, cont.

Step 2, Option 2: Click directly on the map to select REGION FOR HEALTH DATA displays

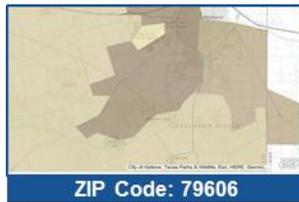
SINGLE LOCATION

Hover your mouse over a specific state on the map and click on it. The map will zoom in to that state. Click on the state again to reset the map.



To display a specific county, hover over the desired area and click once on the area to view information on that county.

To display a specific ZIP Code, hover over the desired area and click twice on it to view information on that ZIP Code.



MULTIPLE LOCATIONS

For multiple states, hover your mouse over a specific state on the map and click on it. Click on each additional state you would like to view.



For multiple ZIP Codes, select a state and county (from the map or drop-down), and the first ZIP Code (from the drop down menu). Add more ZIP Codes by selecting them directly on the map (or using dropdowns).

For multiple counties, select a state (from map or drop-down menu) and the first county from the drop down menu. Select additional counties by selecting them directly on the map (or from the drop-down menu).



Note: If you wish to apply **NATURAL HAZARDS** or **MAP STYLE** to your map, follow the steps in Step 2, Option 1.

Step 3: View the total number of Medicare beneficiaries

After selecting a certain geographic area using the drop-down menu or by clicking directly on the map, the following sections found below the map image will automatically update.

1. The **Medicare Data Totals** will reflect the selected geographic area(s), the total number of Medicare beneficiaries in that area, and the total number of electricity-dependent beneficiaries in that area.
2. The **Electricity-Dependent Scale** will adjust to reflect the number of beneficiaries in the selected region.
3. The **Electricity-Dependent Medicare Population by Selected Region** table will display the total number of Medicare beneficiaries in each State/Territory, County, or ZIP Code, depending on which level of detail you are viewing on the main map image.

Medicare Data Totals	
Geographical Area:	U.S.
Beneficiaries:	53,366,839
Electricity-Dependent Beneficiaries:	2,537,675

Electricity-Dependent Scale
16 - 9,225
9,226 - 27,603
27,604 - 52,818
52,819 - 113,809
113,810 - 171,766

Electricity-Dependent Medicare Population by Selected Region			
States/Territories	Counties	ZIP Codes	
Geographic Area	Beneficiaries	Electricity-Dependent Beneficiaries	
Alabama	942,191	52,702	
Alaska	82,362	2,831	
American Samoa	2,647	18	
Arizona	1,137,602	55,567	

Step 4: Return the map to its initial settings and start over

Find the blue "Reset Map" button at the bottom right hand corner of the box that says "Select Data Type." This will reset the information displayed on the map and tables to the original settings.

