HHS emPOWER

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Bottom Line Up Front – Literally…

HHS emPOWER Program for Identifying Electrically-Dependent Patients in Your Community

Quick Wins for EMS

1. Check out the HHS **emPOWER** Map at: https://empowermap.hhs.gov/
2. Download the HHS **emPOWER Map** Fact Sheet and locate the free emPOWER Map GIS REST Service Link
3. Ask your GIS folks to add the HHS **emPOWER Map** REST Service into your jurisdiction's GIS systems
4. Start to integrate the population data on those with electricity-dependent medical needs into your emergency planning and response activities – more information on the website

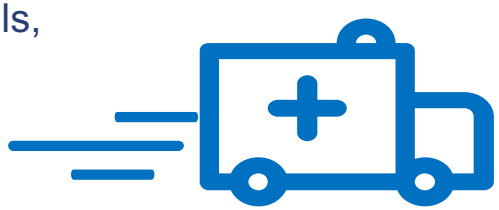
Why HHS Created and Validated the emPOWER Program

Identifying and Addressing At-Risk Population Needs

3.8 million+ Medicare beneficiaries

rely on electricity-dependent medical equipment and health care services to live independently in their homes. CMS data should capture most of these patients.

In a **public health emergency** or **disaster**, these at-risk beneficiaries often seek immediate care from first responders, hospitals, and shelters.



This leads to **surges in health care demand** and **stress** on the health care system and shelters.

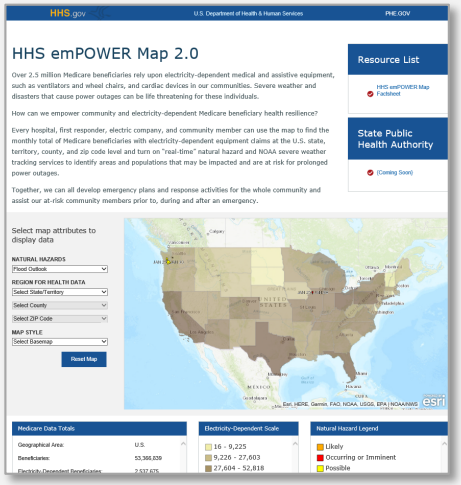
GOAL: TARGETED PREPAREDNESS:
Communities can **reduce system stress, improve continuity of care,** and better **protect** their at-risk Medicare beneficiary populations.

Three emPOWER Program Tools

emPOWERing Emergency Planning and Response

The HHS emPOWER Program provides dynamic data and mapping tools to help communities protect more than 3.8 million Medicare beneficiaries who rely on electricity-dependent medical equipment and health care services

emPOWER Map 2.0



Publicly available at https://empowermap.hhs.gov

emPOWER Emergency Planning De-identified Dataset

Services	Services	Services	
# In-Facility ESRD Dialysis (3 months)	# O2 services [tanks] (13 months)	# Home health (3 months)	
11			
11			
43			
47			
28			

All Power Dependent		
# Electricity-Dependent Devices and DME	# Cardiac Devices (5 years)	# Ventilators (13 months)
30	11	0
41	0	11
86	11	11
157	11	11
92	0	11

Restricted to public health authorities and relevant partners

emPOWER Emergency Response Outreach Individual Dataset

INDIVIDUAL LEVEL DATASET - All At-Risk Individuals

POPULATION - Medicare population is restricted to alive beneficiaries as of N

NA indicates that that the at-risk population is not included in this request.

NOTE: All data are fictitious and used for illustrative purposes only

Name			Other Information	
Initial Sorting Order	First Name	Last Name	Date of Birth	Enrollment/ Plan Ty

Address					
Street Address 1	Street Address 2	City	County Name	County FIPS Co	State
57 Coney Island Av		Brooklyn	Kings County	047	NY
150 Dean Street		Brooklyn	Kings County	047	NY
1600 40 St		Brooklyn	Kings County	047	NY
1800 Bay Ridge Ave		Brooklyn	Kings County	047	NY
1900 63rd St	First Flo	Brooklyn	Kings County	047	NY
17 212th Place		Queens Village	Queens County	081	NY
180 E 205 St		Bronx	Bronx County	005	NY

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Access: PUBLIC

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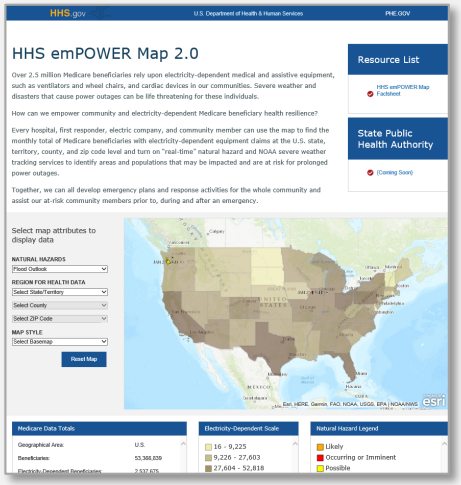
SEE GEOGRAPHICALLY THE AGGREGATE NUMBER OF AT-RISK INDIVIDUALS DOWN TO THE ZIP CODE LEVEL

emPOWER Map 2.0



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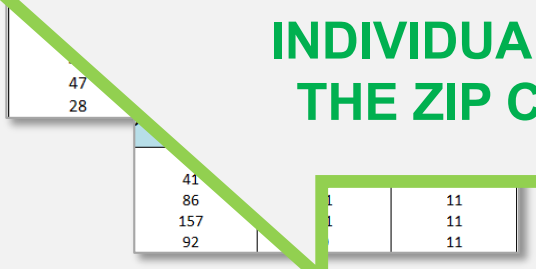

Restricted to public health authorities and relevant partners

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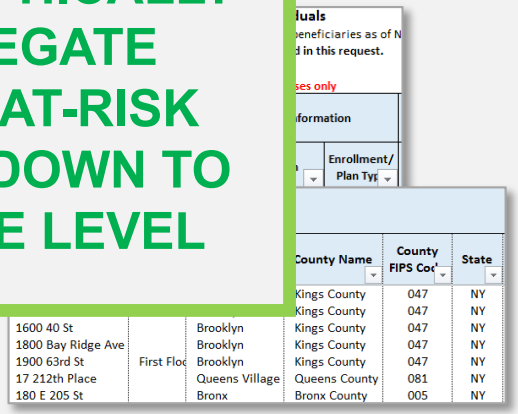

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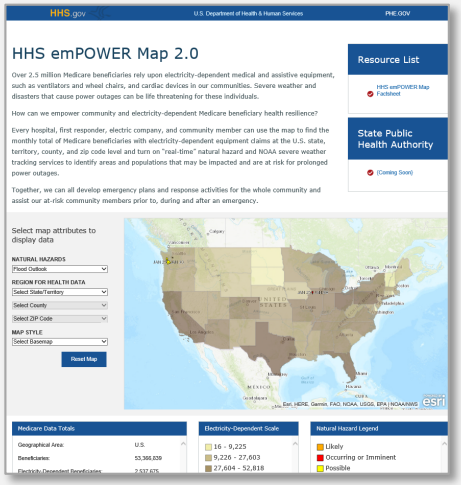

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2

Access: RESTRICTED to PUBLIC HEALTH and PARTNERS

SEE THE MONTHLY TOTAL NUMBER OF CLAIMS BY CATEGORY AT THE ZIP CODE LEVEL

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Three emPOWER Program Tools

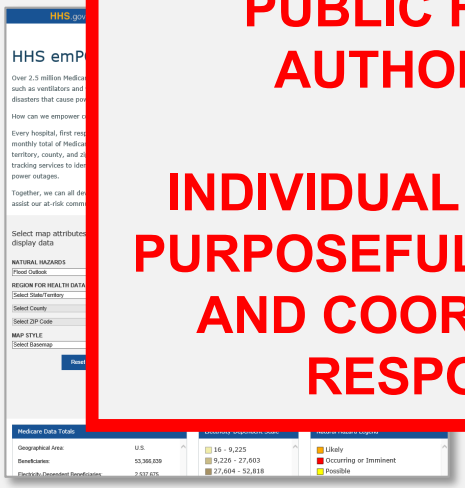
emPOWERing Emergency Planning and Response

The HHS emPOWER Program provides dynamic data and mapping tools to help communities protect more than 3.8 million Medicare beneficiaries who rely on electricity-dependent medical equipment for health care services

Access: AUTHORIZED PUBLIC HEALTH AUTHORITIES

INDIVIDUAL DATA FOR PURPOSEFUL PLANNING AND COORDINATED RESPONSE

3



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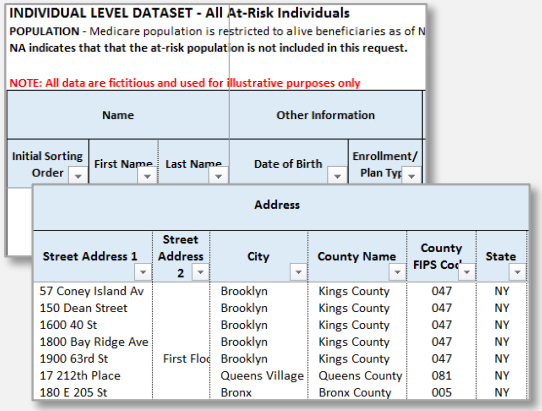

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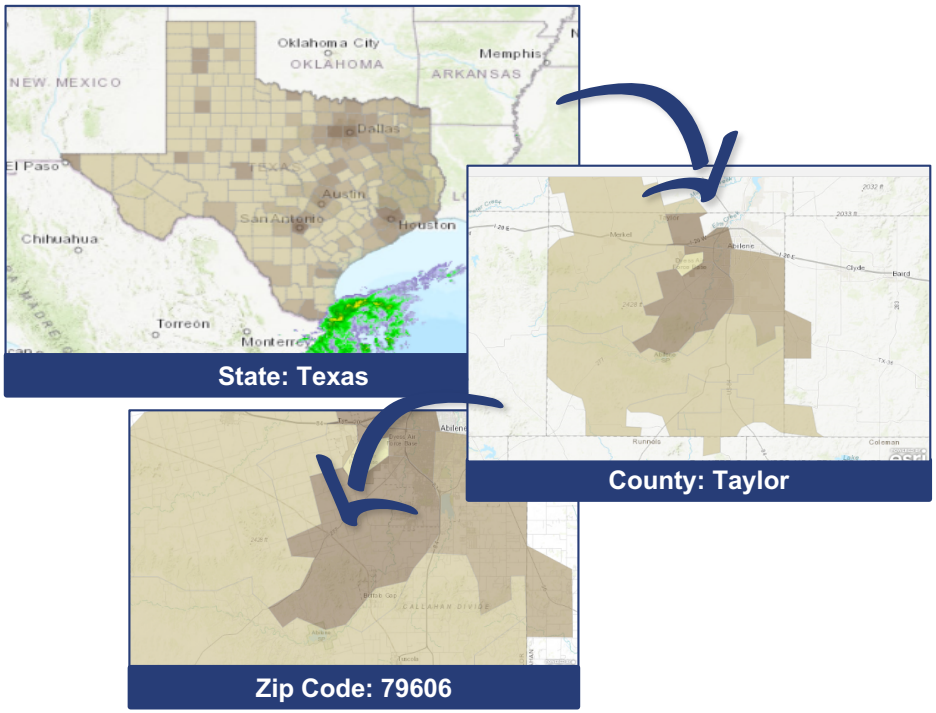
Example: HHS emPOWER Map 2.0

How can I use the emPOWER Map 2.0?

The map provides a starting point for estimating the electricity-dependent population in a geographic area prior to, during, or after an emergency



- Gain population-based situational awareness
- Plan for evacuations and identify evacuation routes
- Identify health care resource needs and potential areas of hospital/EMS surge
- Determine potential shelter locations and shelter resource needs
- Inform public communications and foster community engagement and assistance

HHS emPOWER Program Innovation

Using Innovative Technology to Improve and Advance the Program

In Spring 2018 the HHS emPOWER Program will launch the emPOWER Map Virtual Assistant through **Google Assistant and Amazon Alexa** to put emPOWER data in the hands of first responders in the field

emPOWER Map Virtual Assistant provides communities with the **right data** in the **right tool** to the **right person** at the **right time…**

…So that first responders, community members and community organizations (e.g. aging agencies) can have **readily-available information** on the electricity-dependent population in their hands, enabling them to **make informed decisions** and take action.

This Slide Should Look Familiar…

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Validation for the HHS emPOWER Program

Testing Medicare Data for Emergency Preparedness

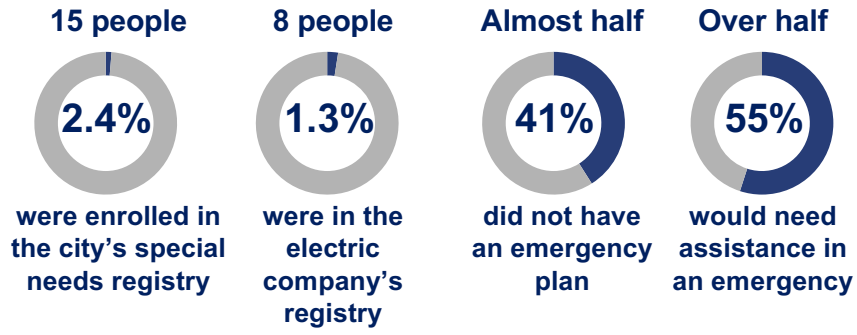
In 2013, ASPR and the Centers for Medicare and Medicaid Services (CMS) partnered to explore how Medicare data can help communities **anticipate, plan for,** and **address** the unique needs of the electricity-dependent population.

The Pilot

Field tested the accuracy of Medicare claims data in locating residents of New Orleans across 8 ZIP codes

Figure 1. Medicare beneficiaries in the City of New Orleans with a claim for ventilator, oxygen concentrator and/or oxygen tank.

The Results

- **191 of the 611 individuals visited in their home in five hours**
- **93% had the equipment**

The NOLA drill also revealed gaps in emergency preparedness. **Of the 611 individuals** identified: