

COVID-19 Demographic and Economic Resources Using Census Data – Part II with LEHD

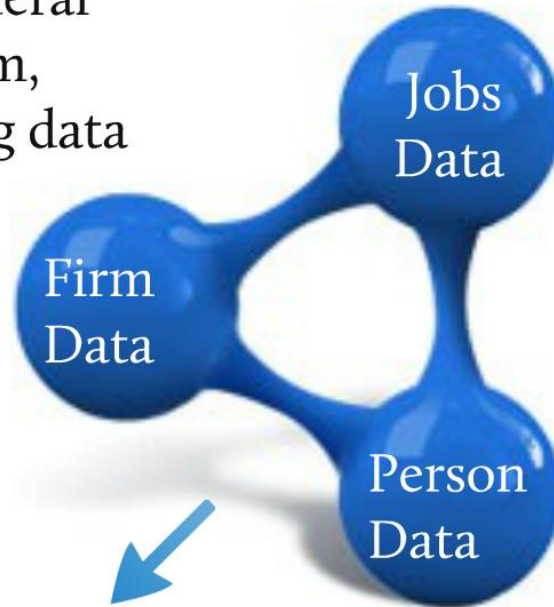
Metropolitan Washington Council of Governments
July 14, 2020

Presented by: Earlene Dowell
U.S. Census Bureau



What is the Difference between LEHD and LED?

An innovative federal statistical program, collecting existing data and ...



The LEHD Program at Census

..linking it together to provide new information sources at low cost

New linked national jobs data for the U.S.

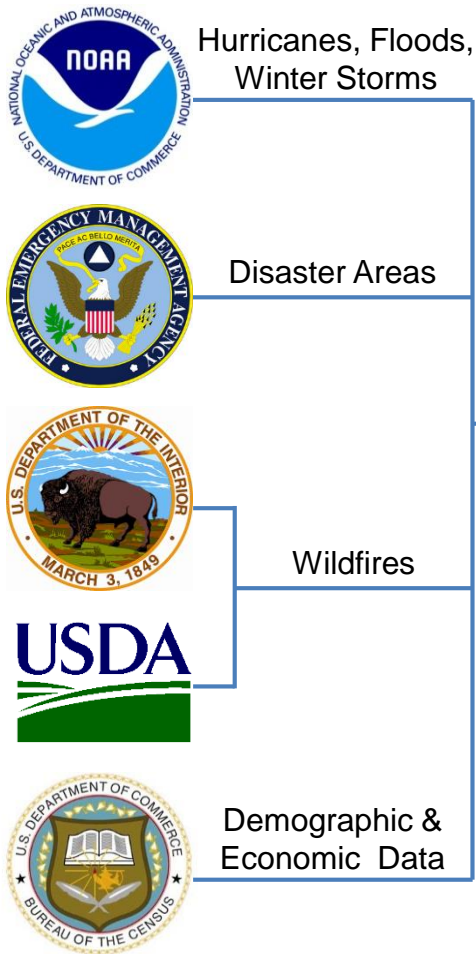
Longitudinal Employer-Household Dynamics (LEHD)

Where Data is Published:

Data Product	Explore the data, answer questions, or get visualizations	Bulk data for use in analysis process/software	Live queries for building web applications
QWI	QWI Explorer	LED Extraction Tool and Raw data download	Census Bureau API
LODES	OnTheMap OnTheMap for Emergency Management	Raw data download	Future development
J2J	J2J Explorer	Raw data download	Future Development
PSEO	PSEO Explorer	Raw data download	Future Development
VEO	VEO Explorer	Raw data download	Future Development

LEHD Origin-Destination Employment Statistics (LODES)/OnTheMap/OnTheMap for Emergency Management

OnTheMap for Emergency Management



OnTheMap for Emergency Management LEHD Home OnTheMap Help and Documentation

Disaster Declaration: DR-4166 Time Wed, 11 Jun 2014 16:00:02 GMT Export Share Close

Detail by: Characteristics
 Topic: 2010 Decennial Cou...
 Analysis Area: Event Area

Population by Age
 Universe: Total Population
 Source: 2010 Census [Source info >>](#)

Characteristic	Count	Share
Total	1,755,475	100.00%
Under 18 years	416,870	23.75%
18 to 19 years	49,751	2.83%
20 to 24 years	116,069	6.61%
25 to 34 years	220,375	12.55%
35 to 49 years	353,573	20.14%
50 to 64 years	355,344	20.24%
65 years and over	243,493	13.87%

Population by Race
 Population by Ethnicity
 Population by Sex
 Population by Housing
 Housing Units

Housing Units
 Universe: Housing Units
 Source: 2010 Census [Source info >>](#)

Characteristic	Count	Share
Total	843,527	100.00%
Total of 'Universe: Vacant housing units'	161,607	19.16%

Map showing South Carolina and Georgia with a highlighted event area. Legend: Total Population - Total per sq. mi. (Tracts): 0 - 6, 7 - 44, 45 - 297, 298 - 1,992, 1,993 - 13,319. Basemap: Terrain.

Bar chart showing population distribution across age groups.

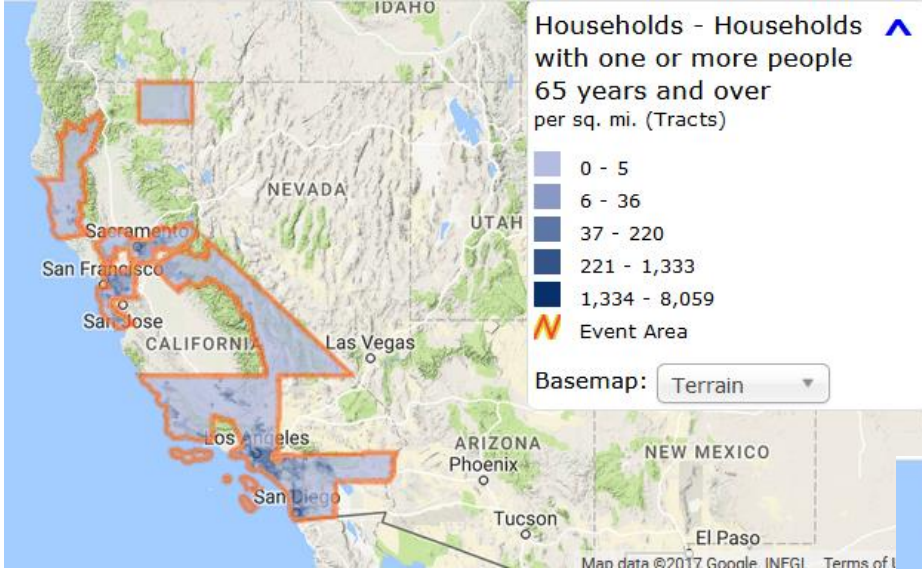
Privacy Policy | 2010 Census | Data Tools | Information Quality | Product Catalog | Contact Us | Home
 Source: U.S. Census Bureau, Center for Economic Studies, LEHD | e-mail: CES.OnTheMap.Feedback@census.gov

New Public Data Service for Emergency Preparedness & Response

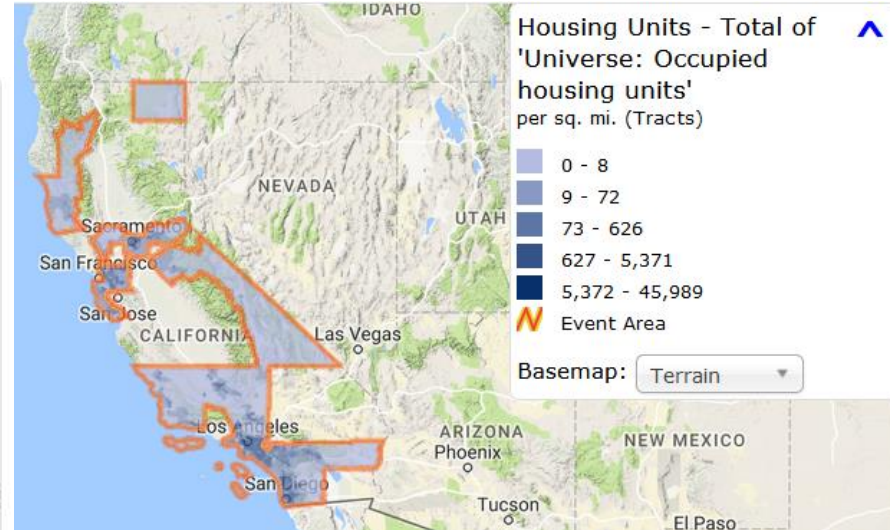
- Comprehensive Reports
- Real-time Data Updates
- Easy-to-use & Interoperable
- Historical Event Archive
- Flexible Analyses & Visualizations



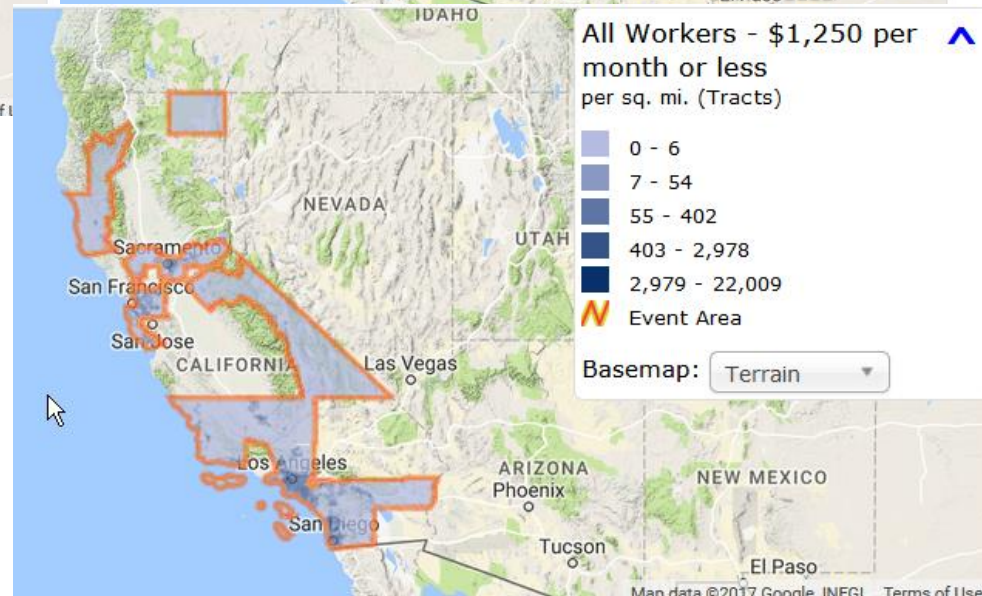
Social ACS



Vulnerabilities Physical Decennial




Economical LODES

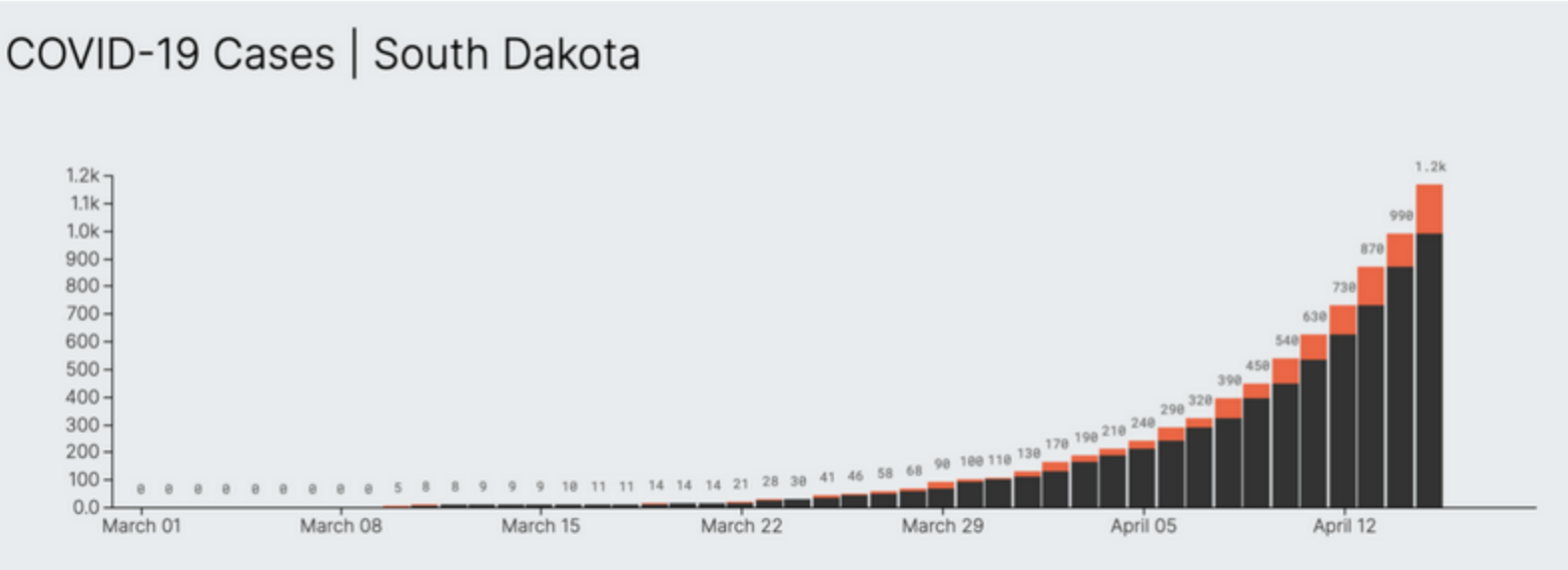


South Dakota and COVID-19

A look at the COVID-19 hotspot in South Dakota

To explore more data on COVID-19, please go to covid19.topos.com

 Topos
Apr 16 · 2 min read



Timeline of COVID-19 Cases in South Dakota. Orange indicates new cases.

https://onthemap.ces.census.gov/em/

Search:

Filter

U.S. Census Bureau data for disasters, natural hazards, and weather events. Click for more information on

Pacific Storms.

Events as of 07/13/2020

Hurricanes

Post-tropical

New Jersey, New York, Connecticut and 4 other States

Affected Population: 21,659,947

Post-tropical

No data

Affected Population: 0

Wildfires

Sawtooth Fire

Zip 85118

Affected Population: 477

Aquila Fire

Phoenix city, AZ, New River CDP, AZ

Affected Population: 470

Poeville Road Fire

Zip 89506

Affected Population: 188

Bush Fire

Maricopa County, AZ, Gila County, AZ

Affected Population: 182

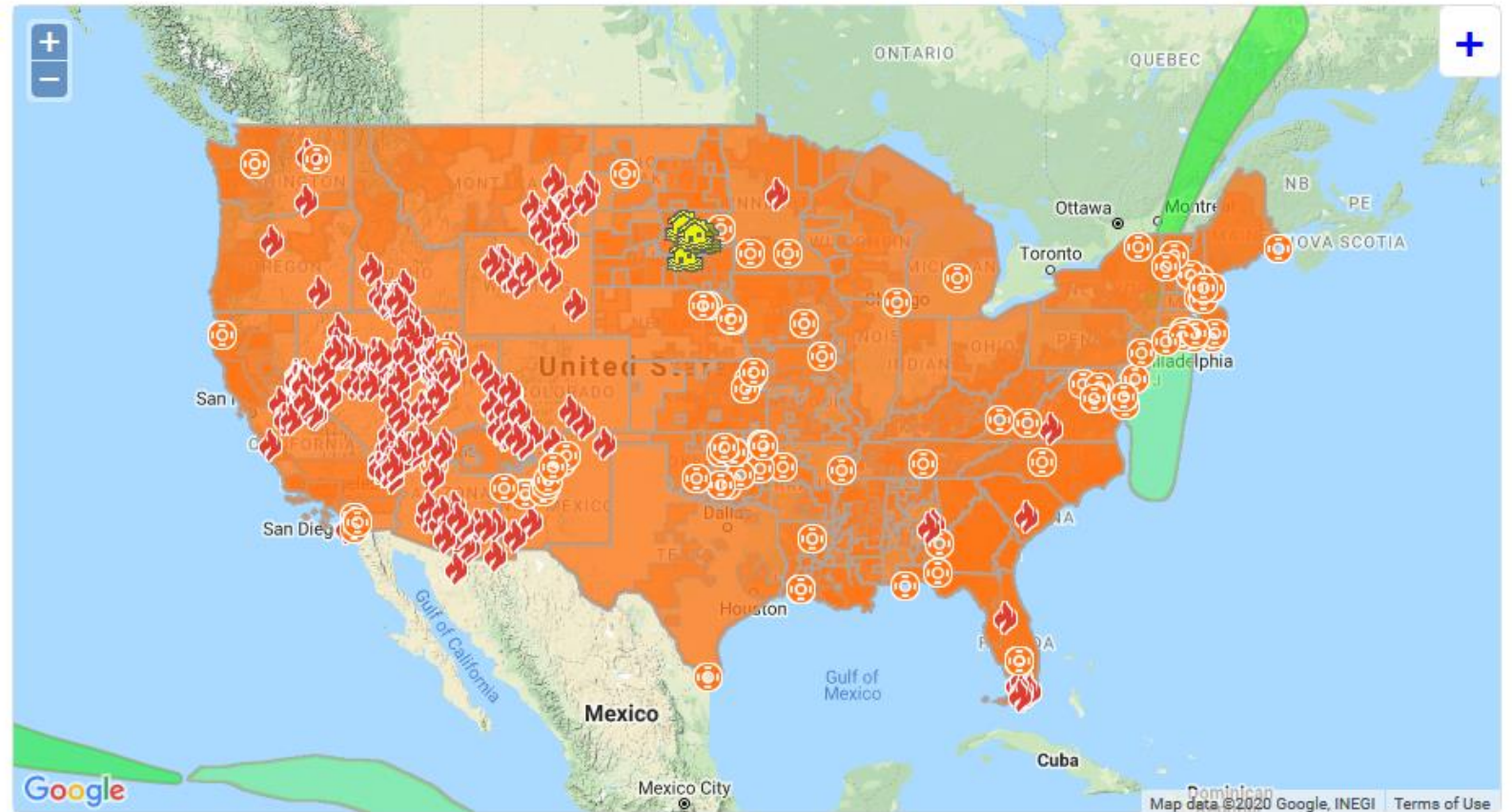
Numbers Fire

Zip 89410, 89444

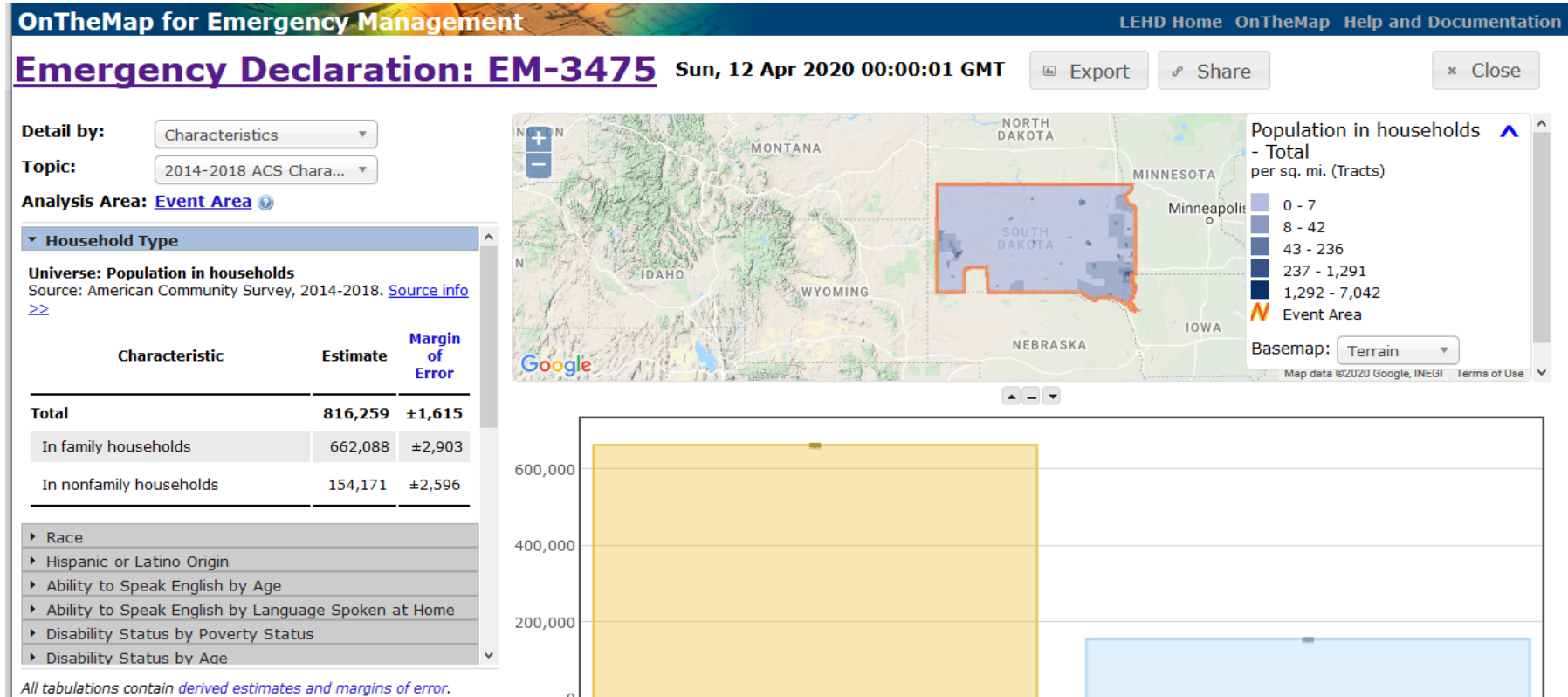
Affected Population: 168

Pothole Fire

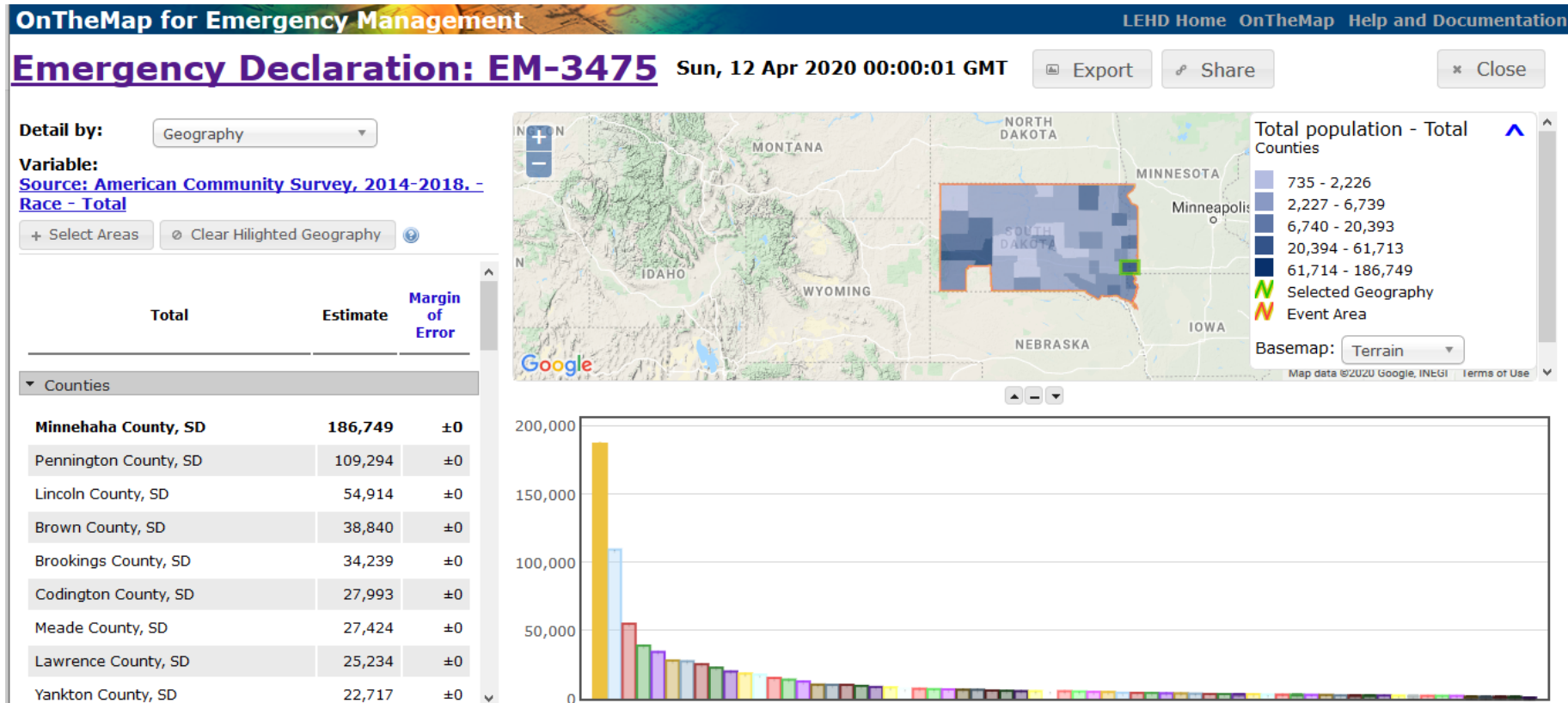
Zip 98841



EM-3475



Minnehaha County



<https://onthemap.ces.census.gov/>

OnTheMap LEHD Home [Help and Documentation](#) [Reload](#) [Text-Only](#)

Start Base Map Selection

Save Load Feedback Previous Extent Hide Tabs

Welcome to OnTheMap!

Start an analysis by using one of the tools below (Search, Import Geography, or Load .OTM file). Hover over the Help icons located throughout the application to see Help tips for using specific functionality. Sections in the control panel can be collapsed or opened by clicking the section title

2016 and 2017 data now available!
[Read New Data Notice \(08/29/2019\)](#)

Search

Search

Search All Names

Import Geography

[Import from KML](#)
[Import from SHP](#)
[Import from GPS](#)

Load .OTM File

Click the "Load" button below to load a .OTM file.

Load

1000 km
500 mi

-92.58632, 34.45661

Privacy Policy | [2010 Census](#) | [Data Tools](#) | [Information Quality](#) | [Product Catalog](#) | [Contact Us](#) | [Home](#)
Source: U.S.Census Bureau, Center for Economic Studies | e-mail: CES.OnTheMap.Feedback@census.gov

<https://onthemap.ces.census.gov/>

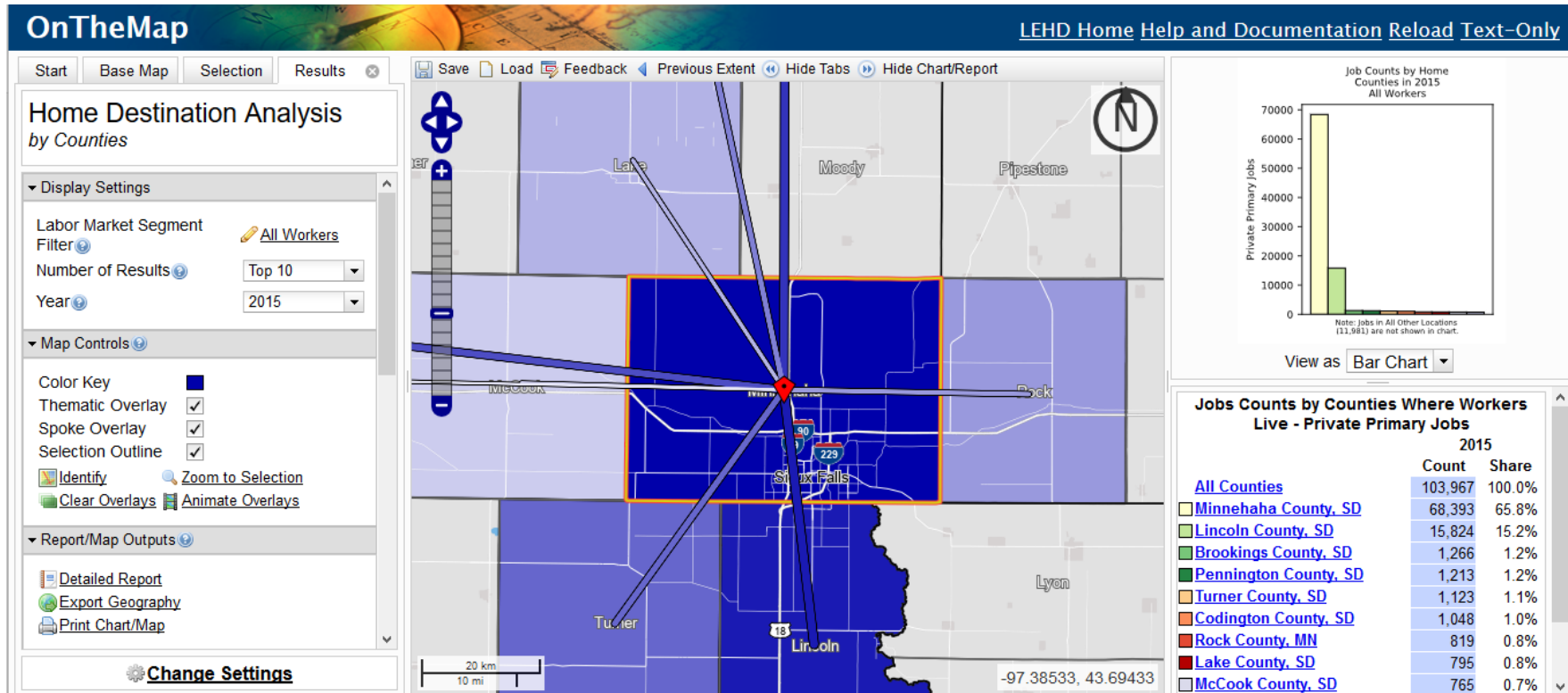
The screenshot displays the OnTheMap web application interface. At the top, the title "OnTheMap" is on the left, and navigation links "LEHD Home Help and Documentation Reload Text-Only" are on the right. Below the title bar, there are tabs for "Start", "Base Map", and "Selection". A utility bar contains icons for "Save", "Load", "Feedback", "Previous Extent", and "Hide Tabs".

The left sidebar contains a "Welcome to OnTheMap!" section with introductory text and a link to "2016 and 2017 data now available!". Below this is a "Search" section with a search box containing "minnehaha" and a "Search" button. A dropdown menu "Search All Names" is open, showing a hierarchical list of categories: States, Counties, Places (Cities, CDPs, etc.), ZIP Codes (ZCTA), Metropolitan/Micropolitan Areas (CBSA), Workforce Investment Areas (WIA), and County Subdivisions. Under "Counties", "Minnehaha County, SD" is selected.

The main map area shows a map of Minnehaha County, SD, with a red diamond marker on the county boundary. A popup window displays the following information: "Minnehaha County, SD", "from Counties", "Selection Area: 813,861 Sq. Mi", and "Census Blocks: 5,510". The popup also includes links for "Perform Analysis on Selection Area", "Change Selection Area", and "Add Advanced Selection". A scale bar (10 km / 10 mi) and a north arrow are visible on the map.

At the bottom of the interface, a footer contains links for "Privacy Policy", "2010 Census", "Data Tools", "Information Quality", "Product Catalog", "Contact Us", and "Home".

Destination Analysis

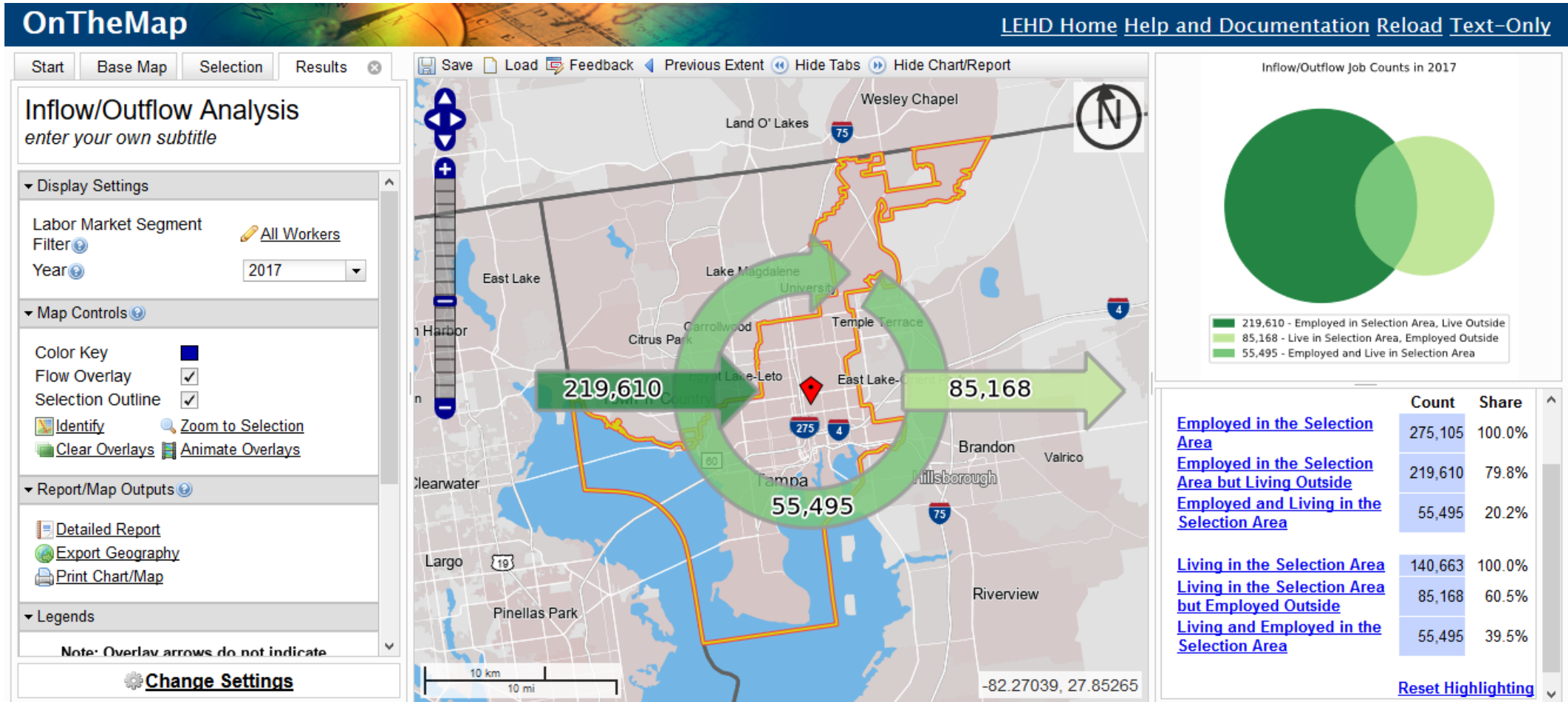


Reverse Commuters during Covid 19

Urban Residents Working in Suburban/Rural Areas Tend to Be More Common in Less-Expensive Markets



Inflow/Outflow



LODES/OnTheMap References

- LODES

- [LODES Data Overview](#)
- [LODES Data Notices](#)
- [LODES Technical Doc](#)
- [Design Comparison of LODES and ACS Commuting](#)
- [Microdata Comparison of LODES and ACS Commuting](#)
- [LODES and Confidentiality Protection](#)
- [LED in Action: LODES](#)

- OnTheMap

- [OnTheMap Help](#)
- [OnTheMap Analysis Guides](#)
- [Additional OnTheMap Tutorials](#)
- [FAQs](#)
- [LED in Action: OnTheMap](#)

Getting Help

- Help and Documentation
- Email us!
 - LODES/OnTheMap/OnTheMap for Emergency Management: CES.OnTheMap.Feedback@census.gov
 - General LEHD/LED Questions: CES.Local.Employment.Dynamics@census.gov
 - These email addresses are monitored by several people, so it's the fastest way to get a response.

Q & A and Thank You!

Contact us at:

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Earlene.KP.Dowell@census.gov

