

Census Data for Emergency Preparedness and Response

Oregon & Washington State Data Centers 2024 Joint Annual Affiliate Meeting

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US Census Bureau

October 24, 2024

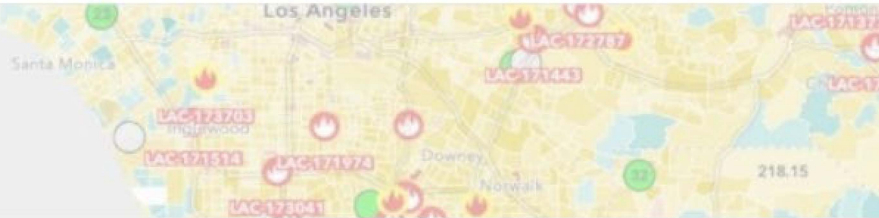


Emergency Management Hub

Emergency Management Hub

The U.S. Census Bureau produces timely local data on disasters, [census.gov](https://www.census.gov) that are critical to emergency planning, preparedness, and recovery efforts.

[VIEW EVENTS](#)



Recent Events

[View All Events](#)

2024 Hurricane Milton

Milton was the thirteenth named storm, ninth hurricane, fourth major hurricane, and second Category 5 hurricane of the 2024 Atlantic hurricane season.

[Learn More](#)

View Emergencies by Event Type

- Wildfires
- Air Quality
- Hurricanes
- Extreme Heat
- Tornadoes
- Floods
- Pandemics
- Other Events



Data Tools

My Community Explorer

This tool combines select demographic, business, and resilience data to help users identify potentially underserved areas of their state, county, and community.

[View More](#)

[My Community Explorer](#) |
 [Census COVID-19 Data Hub](#) |
 [OnTheMap for Emergency Management](#) |
 [Census Business Builder Regional](#) |
 [Explore Census Data](#)

America Counts Stories

- [Hurricane Helene's Impact on the Socially Vulnerable in North Carolina](#)
- [Measuring Weather's Impact on Business](#)
- [Tools for Vulnerable Populations in Puerto Rico](#)
- [Herramientas para poblaciones vulnerables de Puerto Rico](#)

[VIEW ALL STORIES](#)

Contributing Surveys and Programs

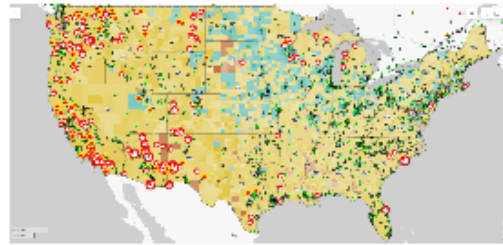
Advancing Equity with Data

The Census Bureau is committed to producing data that depict an accurate portrait of America, including its underserved communities.

[Learn More](#)

Data Tools for Disasters

Data Tools for Disasters, Natural Hazards, and Weather Events



My Community Explorer

An Equity Tool to Identify Underserved Communities

This Dashboard provides selected demographic, business, and resilience information to help users identify potentially underserved areas of their State, Counties, and communities. The visualization features American Community Survey (2017-2021), Community Resilience Estimates (2021), County Business Patterns (2021), and Nonemployer Statistics (2019) in one interactive tool. The data are presented in maps, interactive dashboards, and tables.

[Explore Data](#)



Census Business Builder

Provides easy access to information about potential customers and similar businesses for those starting or planning a business.

[Explore Data](#)



Census Business Builder Report Quick Lookup

Quickly locate a county of interest and receive a link to a Census Business Builder Report for a county or Census Tract.

[Explore Data](#)



OnTheMap for Emergency Management

A real-time public data tool for accessing U.S. population and workforce statistics, for areas being affected by natural disasters.

[Explore Data](#)

My Community Explorer

United States **Census** Bureau
My Community Explorer 4.3

An Equity Tool to Identify Underserved Communities

Feedback
→ MCE Puerto Rico
Table
Data Sources
About
Demo
CRE FAQ

To set the Community Context (right panel):
Select a State in Step 1 or Draw a Region in the Map Using the select tool . The right panel will update to reflect your chosen state or region.

To generate County Profile (tabs):
Select a County in Step 2. Census tract information is included in maps on County Profiles.

Responsive Legend
Census Datasets (states, counties, census tracts)

Community Resilience Estimates for Equity

Predominant Category of Social Vulnerability (SV) - Counties (CRE 2022)

Predominant category

- Estimated population with 3+ components of SV
- Estimated population with 1-2 components of SV
- Estimated population with 0 components of SV
- No prevalence

Reference Layer Legend
(Overlays from other data sources)

Active Hurricanes, Cyclones and Typhoons (Source: NOAA)

Forecast Position
Classify by Wind Speed

- Category 5
- Category 4
- Category 3

Interactive Map: Explore Census Bureau and Emergency Response Reference Datasets

Select Thematic & Reference Layers to view by clicking Layers icon in map then turning layers on & off | Expand the map by clicking in the upper right corner

Community Context

USA Totals shown until state and/or region is selected

Households

125.7M

Population

331.1M

Population with 3+ Components of Social Vulnerability
Community Resilience Estimates 2022

20.63%

Explore CRE Equity Supplement

Household Characteristics
ACS 2018-2022 5-Year Estimates

Below Poverty:	1+ Disability:
15.6M	32.5M
<small>or 12.4%</small>	<small>or 25.9%</small>
Without Vehicle:	With Broadband:
10.5M	111.1M
<small>or 8.3%</small>	<small>or 88.3%</small>

Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS | U.S. Census Bureau American Community Survey (ACS) 2018-2022 5-year estimates, | US EPA, Office of Air and Radiation, Office of Air Quality Planning and Standards (OAQ... | Powered by Esri
[American Community Survey 2018-2022](#), [Community Resilience Estimates](#), [Equity Supplement 2022](#), [County Business Patterns 2022](#), & [Nonemployer Statistics 2021](#)
 View DP02, DP04, B22010, B17017 data at data.census.gov for MoE & more | MCE Methodology for Aggregation

Interactive Map
County: Economic Profile
County: Social Characteristics
County: Race and Ethnicity
County: Business Profile

OnTheMap for Emergency Management



Hurricanes, Floods,
Winter Storms



Disaster Areas



Wildfires



Demographic &
Economic Data

United States Census Bureau OnTheMap for Emergency Management [LEHD Home](#) [OnTheMap](#) [Help and Documentation](#)

Hurricane Ida Event Class: Wind History 34kn (Cumulative Swath) Time: Mon, 30 Aug 2021 10:55:44 GMT [Export](#) [Share](#) [Close](#)

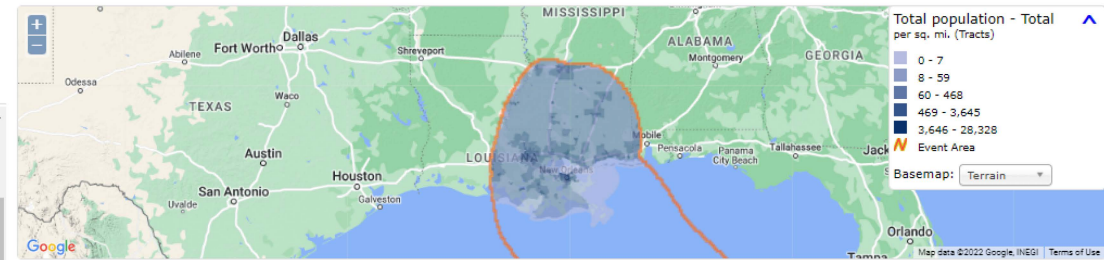
Detail by: Characteristics
Topic: 2015-2019 ACS Chara...
Analysis Area: Event Area

Race

Universe: Total population
Source: American Community Survey, 2015-2019, [Source info](#)

Characteristic	Estimate	Margin of Error
Total	4,576,880	±6,508
White alone	2,784,407	±6,547
Black or African American alone	1,538,260	±5,188
American Indian and Alaska Native alone	21,983	±1,186
Asian alone	82,124	±1,686
Native Hawaiian and Other Pacific Islander alone	1,042	±398
Some other race alone	64,256	±3,209
Two or more races	84,808	±3,330

All tabulations contain derived estimates and margins of error.
* - The data in some cells in this tabulation are not published in order to protect confidentiality.



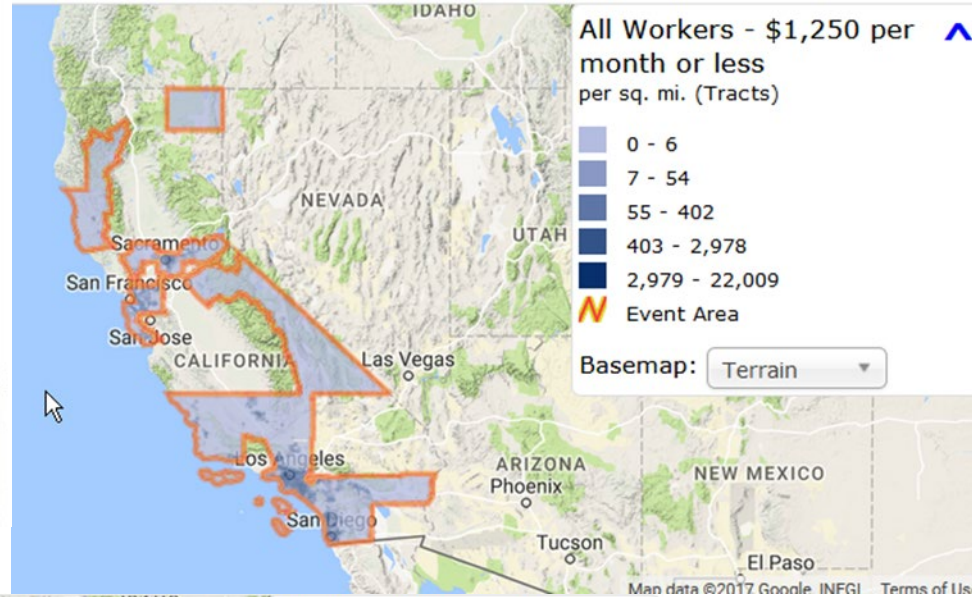
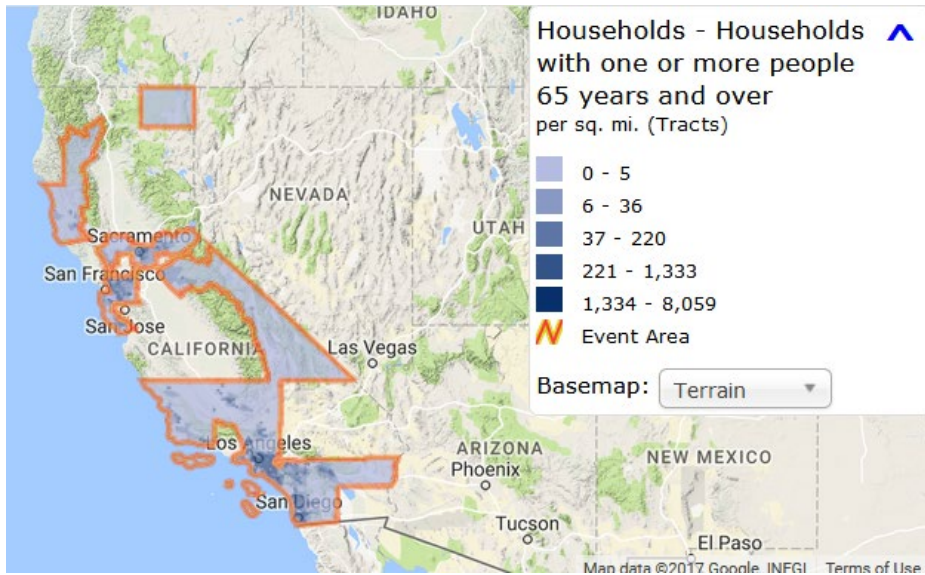
New Public Data Service for Emergency Preparedness & Response

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

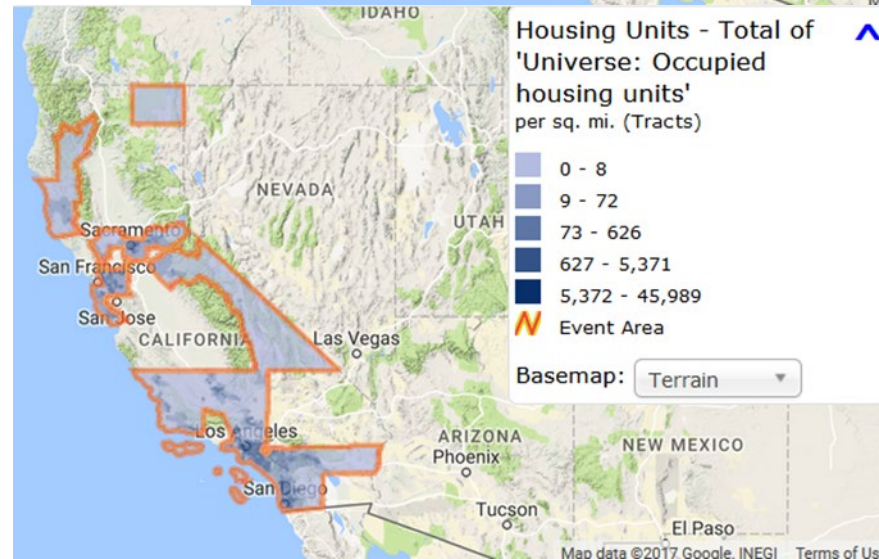


Vulnerabilities

Economical LODES



Social
ACS



Physical
Decennial

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



Search:

Filter

Update (May 31, 2024): [Click here to read about the timing of ACS and LODES data updates](#)

Events as of 10/21/2024

Hurricanes

Remnants of Nadine

No data

Affected 2020 Population: 0

Tropical Storm Oscar

No data

Affected 2020 Population: 0

Wildfires

Line Fire

No data

Affected 2020 Population: 800

Bridge Fire

Los Angeles County, CA, San Bernardino County, CA

Affected 2020 Population: 417

Airport Fire

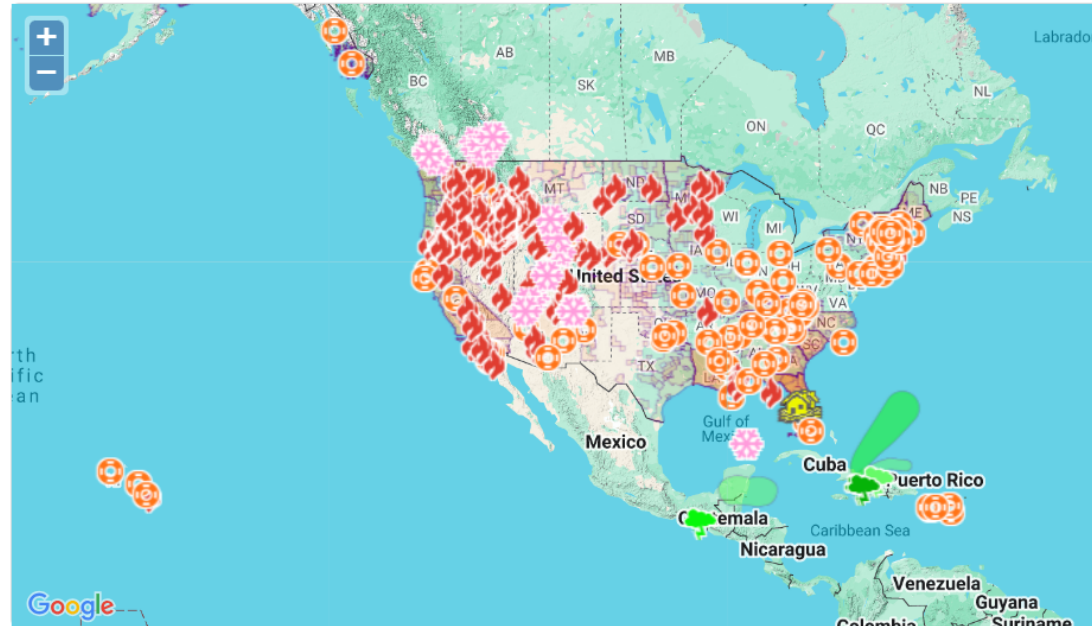
Orange County, CA, Riverside County, CA

Affected 2020 Population: 203

Rail Ridge Fire

Grant County, OR, Crook County, OR, Wheeler County, OR

Affected 2020 Population: 61



Legend & Map Controls

Event Types

- Tropical Storms
 - Current Wind Radii
 - Wind History (Cumulative Swath)
 - Forecast Area (Cone of Uncertainty)
- Wildfires
 - Perimeter
- Floods
 - Likely
 - Occurring or Imminent
- Winter Weather
 - Forecasted Snowfall
 - Forecasted Freezing Rain
- Disaster Declaration Areas
 - Emergency or Disaster Declaration
 - COVID-19 Pandemic
 - Emergency or Disaster Declaration

DR-4539

Disaster Declaration: DR-4539 Time

Detail by:
Topic:
Analysis Area: [Event Area](#)

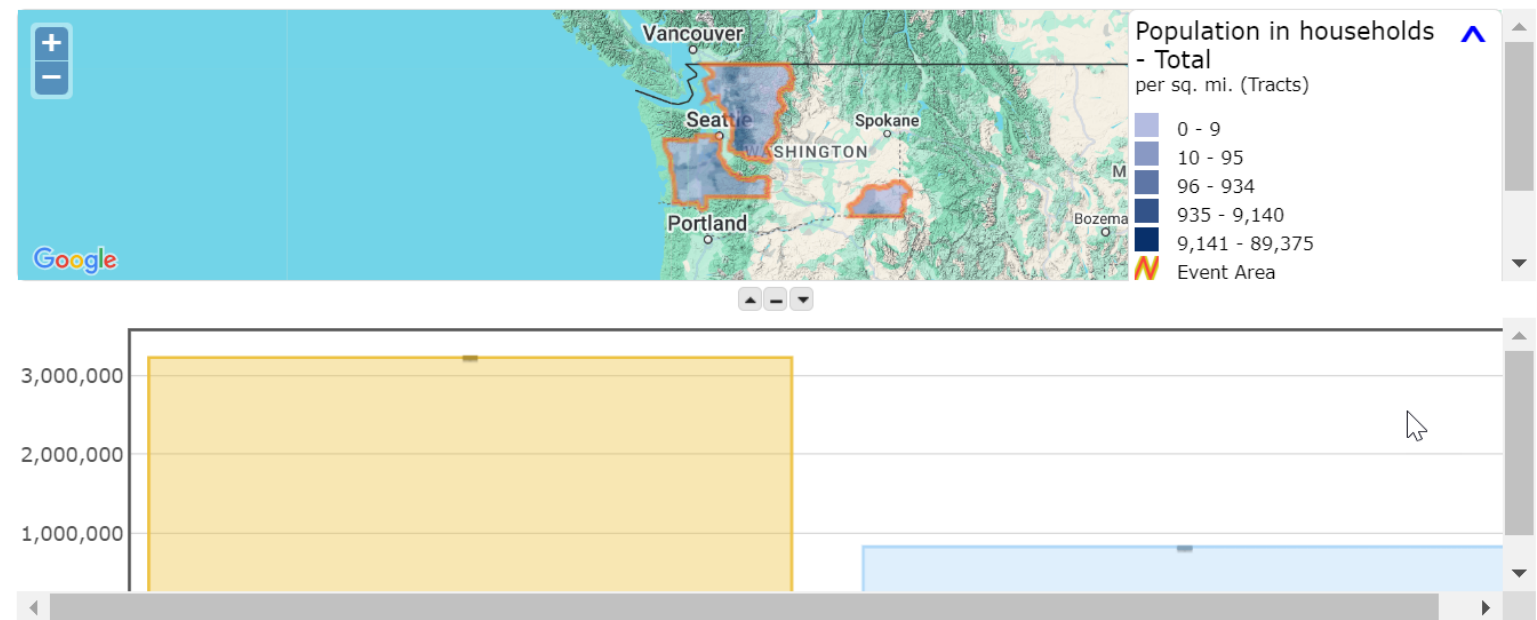
Household Type

Universe: Population in households
American Community Survey, 2017-2021. [Source info >>](#)

Characteristic	Estimate	Margin of Error
Total	4,052,389	±2,521
In family households	3,224,289	±8,177
In nonfamily households	828,100	±7,857

Race

All tabulations contain derived estimates and margins of error.

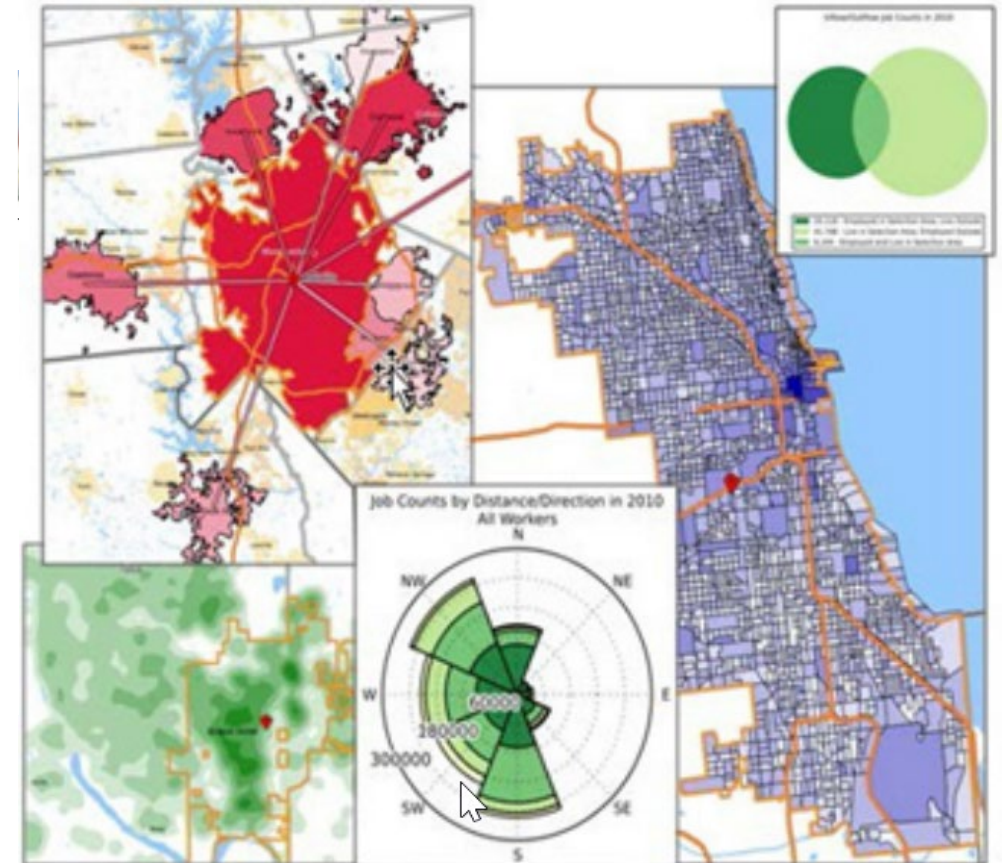


OnTheMap

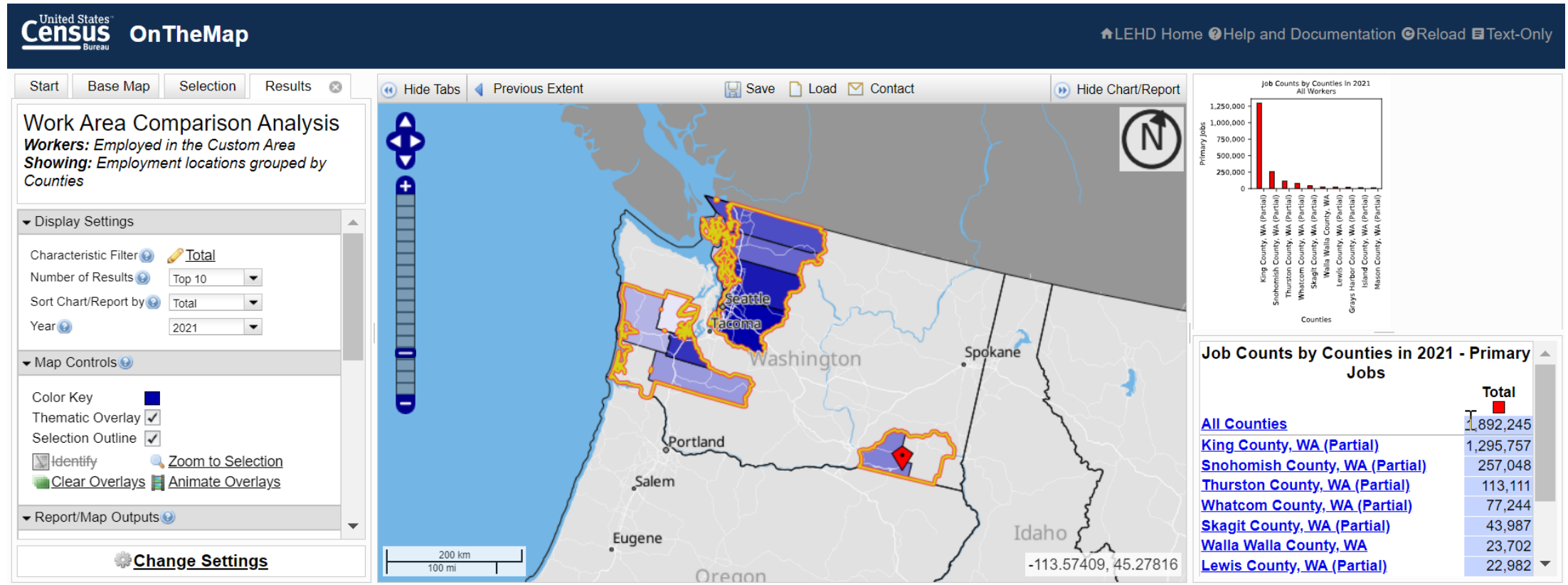
OnTheMap Highlights

- **Comprehensive Coverage** – Census block-level coverage for home and work areas in 50 partner states/territories with consecutive years of data starting in 2002. Available characteristics include worker age, earnings, industry sector, worker race, worker ethnicity, worker educational attainment, worker sex, firm age, and firm size.
- **Powerful Analysis Tools** – Six different analysis types are available for users to analyze, compare, and summarize a vast amount of labor force data for user-defined or census-standard areas. Each set of results are presented through interactive maps, charts, and reports.
- **Versatile Outputs** – Results can be exported to a report (PDF, HTML, XLS), to a map (KML or Shapefile), or to other forms (PNG images or composite PDF). Users can also save their analysis settings for future use in OnTheMap.
- **Easy-To-Use Documentation** – Online documentation, including tutorials and walkthroughs, is available at lehd.ces.census.gov/applications/help/onthemap.html.

Contact: <CES.OnTheMap.Feedback@census.gov>



Area Comparison – Imported Shape Files



Census Business Builder

Resources

- Emergency Management Hub
<https://disasters.census.gov/>
- OnTheMap for Emergency Management
https://lehd.ces.census.gov/applications/help/onthemap_em.html#!getting_started
- OnTheMap
<https://onthemap.ces.census.gov/>
- Census Business Builder
<https://www.census.gov/data/data-tools/cbb.html>

Q & A and Thank You!

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To schedule additional training with a Census Data Dissemination

Specialist in your area, please call **844-Ask-Data**

Or email us at: **census.askdata@census.gov**

