

Introduction to Local Employment Dynamics Data Tools

Earlene Dowell
Longitudinal Employer-Household Dynamics
U.S. Census Bureau
September 2014

Overview

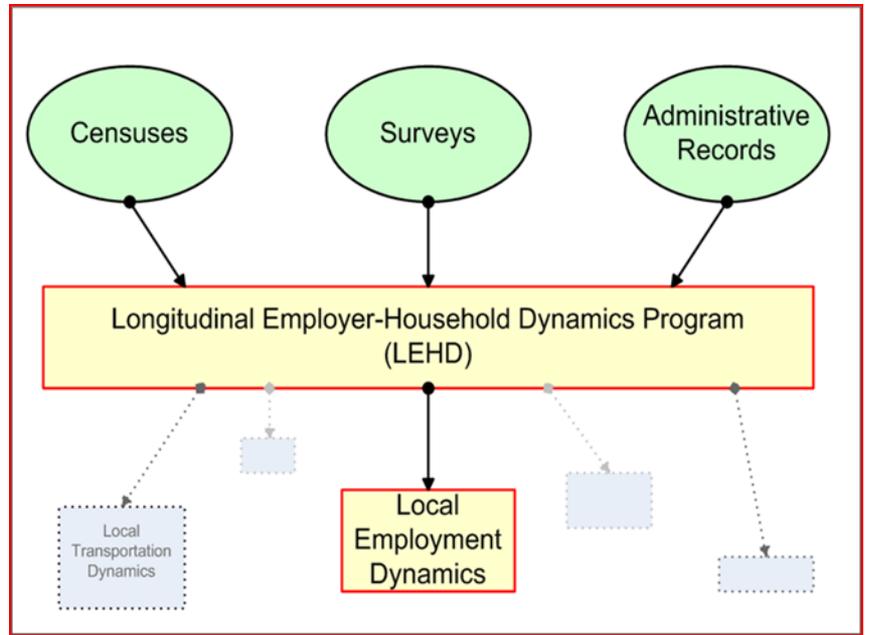
- LEHD Program – Longitudinal Employer-Household Dynamics
- Local Employment Dynamics Partnership
- LED Extraction Tool
- QWI Explorer
- Basic OnTheMap
- OnTheMap for Emergency Management

Local Employment Dynamics Partnership

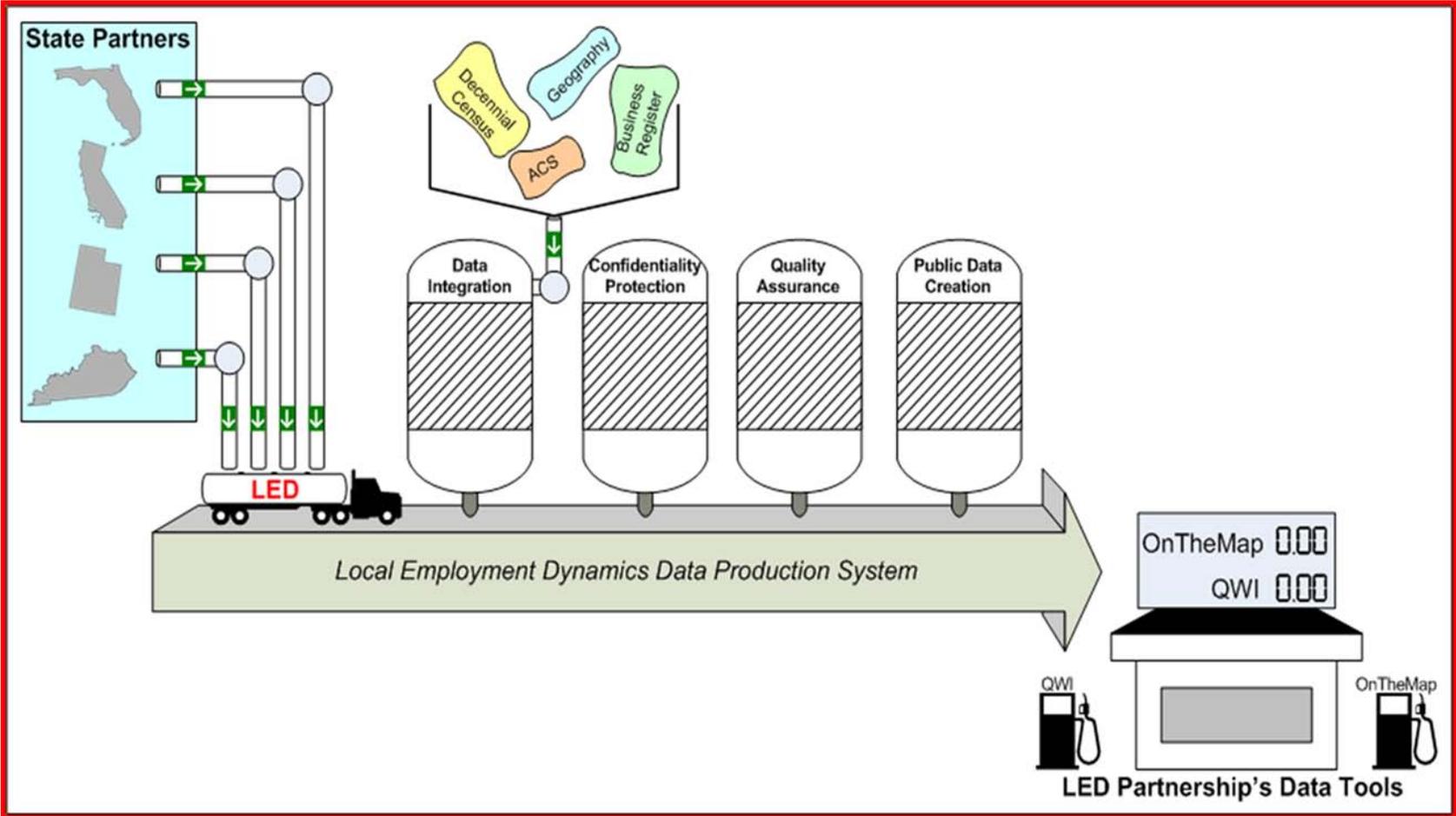
- Partnership between 53 states/territories
- Not yet producing data = MA, PR, USVI
- Data sharing
- Local knowledge
- Comparable data for all states, counties, regions, and WIAs
- Innovative and cost-effective
- Uses existing data
- Creates new data products

Longitudinal Employer-Household Dynamics Program

- Data Tools
 - OnTheMap
 - OnTheMap for Emergency Management
 - LED Extraction Tool
 - QWI (Quarterly Workforce Indicators) Explorer
 - On the way out
 - Industry Focus
 - QWI Online



Data Refinery



Why Use Our Data?

- Links demographic data with both a home location and work location
- Users are able to examine job related statistics for a population who live in one place but work in another
- Examine the characteristics of people living in an area, but don't work there

Who Uses Our Data Tools?

- Transportation Planners
- Policy Makers
- City Planners
- State Planners
- Economists
- Emergency Management Professionals

WWW.Census.Gov

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Search

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Celebrating 20 Years Online with New Website
 Since its launch in 1994, our website has improved the delivery of statistics to tell the story of our growing, changing nation. The new site provides easier access and better serves our customers. Learn about our redesign and tell us what you think.

Population Clock
 U.S. Population: 318,204,672
 World Population: 7,174,934,692
 Jun 09, 2014 20:50 UTC (H+0) [Learn More](#)

QuickFacts
 Quick, easy access to facts about people, business, and geography.
 Select a state to begin

U.S. Census Bureau Economic Indicators
 Quarterly Profile - Manufacturers: \$14.4
 Released 10:00 AM EDT 6/9/14
 Alternative Trade Surveys: -54
 Released 2:00 PM EDT 6/4/14
 Manufacturers' Goods: \$49
 Released 10:00 AM EDT 6/9/14
 *Coverage not consistent with prior years

Latest News
Easier Commutes & Cheaper Housing are Increasing as Reasons for Moving
 June 02, 2014
 Among the 35 million people who moved between 2012 and 2013, 5% said the most important reason for moving was to be closer to work or for an easier commute.

2020 Census Field Test to Explore Innovative, Cost Effective Methods
 June 02, 2014
 Census Bureau is gearing up for the 2020 Census by conducting its first major field test beginning June 5 in Washington, D.C. and Montgomery County, Md.

Transit and Ground Passenger Transportation Industry on the Rise
 June 02, 2014
 First Industry Series Statistics Released from the 2012 Economic Census.

Stat of the Day
2020 Census Field Test
 The U.S. Census Bureau is gearing up for 2020 Census by conducting its first major field test beginning June 5 in portions of W.D.C. and Montgomery County, Md.
[Read More](#)

Are You in a Survey?
[Learn More](#)

The Week Ahead

Mon	Tue	Wed	Thur
Jun 9	Jun 10	Jun 11	Jun 12

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Data
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Employment

We measure the state of the nation's workforce, including employment and unemployment levels, weeks and hours worked, occupations, and commuting.

Commuting (Journey to Work)
 County Business Patterns
 Disability Employment Tabulation
 Employers: Public Sector
 Equal Employment Opportunity Tabulation
 Industry and Class of Worker
 Labor Force Statistics
Longitudinal Employer-Household Dynamics
 Occupation
 Public Sector Employment and Payroll
 Survey of Business Owners
 Work from Home



2020 Census Field Test to Explore Innovative, Cost-Effective Methods

June 03, 2014

Census Bureau is gearing up for the 2020 Census by conducting its first major field test beginning June 5 in Washington, D.C., and Montgomery County, Md.

[Read More](#)



Transit and Ground Passenger Transportation Industry on the Rise

June 02, 2014

First Industry Series Statistics Released from the 2012 Economic Census.



The Week Ahead

Mon Jun 9	Tue Jun 10	Wed Jun 11	Thur Jun 12	Fri Jun 13
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Quarterly Financial Report - Manufacturing, Mining, Wholesale Trade, and Selected Service Industries - First Quarter 2014
at 10:00am

[View Calendar](#)



2013 Characteristics of New Housing

June 02, 2014

This report provides annual statistics on the characteristics of new privately owned residential structures in the four U.S. regions.



Online Shopping and Mail Order Businesses Jump 27 Percent

May 29, 2014

Electronic shopping is showing rapid growth compared to the rest of the retail trade sector.

[View All News](#)

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- Are You in a Survey?
- FAQs
- Director's Corner
- Regional Offices
- History
- Research
- Scientific Integrity
- Jobs @ Census
- Diversity @ Census
- Business Opportunities
- Congressional and Intergovernmental

FIND DATA

- QuickFacts
- American FactFinder
- Easy Stats
- Population Finder
- 2010 Census
- Economic Census
- Interactive Maps
- Training & Workshops
- Data Tools
- Developers
- Catalogs
- Publications

BUSINESS & INDUSTRY

- Help With Your Forms
- Economic Indicators
- Economic Census
- E-Stats
- International Trade
- Export Codes
- NAICS
- Governments
- Local Employment Dynamics**
- Survey of Business Owners

PEOPLE & HOUSEHOLDS

- 2010 Census
- 2000 Census
- American Community Survey
- Income
- Poverty
- Population Estimates
- Population Projections
- Health Insurance
- Housing
- International
- Genealogy

SPECIAL TOPICS

- Statistics in Schools
- Tribal Resources (AIAN)
- Emergency Preparedness
- Statistical Abstract
- Special Census Program
- Fraudulent Activity & Scams
- Recovery Act
- USA.gov
- BusinessUSA.gov

NEWSROOM

- News Releases
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lehd.ces.census.gov



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You are here: [Census.gov](#) > [Business & Industry](#) > [Center for Economic Studies](#) > [Longitudinal Employer-Household Dynamics](#)

Longitudinal Employer-Household Dynamics

Main
Applications
Data
Learn More
Research
State Partners
Partner with Us

Applications

- [QWI Explorer](#)
- [OnTheMap](#)
- [OnTheMap for Emergency Management](#)
- [LED Extraction Tool](#)
- [QWI Online](#)
- [Industry Focus](#)

Useful Links

- [Center for Economic Studies](#)
- [QWI Data](#)
- [LODES Data](#)
- [LED Workshop](#)
- [CED HotReport](#)

Contact Information

Email us:
CES.Local.Employment.Dynamics@census.gov

or

Call us at (301) 783-8303

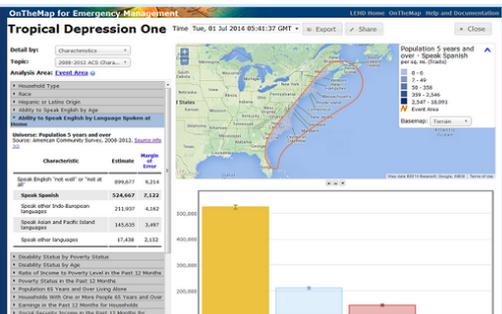
[Further contact information](#)

[Join an LEHD mailing list](#)

OnTheMap for Emergency Management provides information of potential effects of disasters on the U.S. workforce and population with detailed social, economic, and housing data.

[Learn more](#) (65 KB)

[Start OnTheMap for Emergency Management](#)



Characteristic	Estimate	Margin of Error
Spanish English first or second language	899,617	± 2,334
Spanish Spanish	524,667	± 7,332
Speak other Indo-European language	211,937	± 4,162
Speak Asian and Pacific Island language	145,633	± 3,487
Speak other languages	17,438	± 3,132

What's New?

- 09/08/14: [Excel, PDF, and Image Exports available in the Beta release of QWI Explorer](#)
- 08/21/14: [Data Release Updates](#)
- 06/09/14: [Retirement of QWI Online and Industry Focus](#)

[View all announcements](#)

About Us

The Longitudinal Employer-Household Dynamics (LEHD) program is part of the [Center for Economic Studies](#) at the [U.S. Census Bureau](#). The [LEHD program](#) produces new, cost effective, public-use information combining federal, state and Census Bureau data on employers and employees under the [Local Employment Dynamics \(LED\) Partnership](#). State and local authorities increasingly need detailed local information about their economies to make informed decisions. The LED Partnership works to fill critical data gaps and provide indicators needed by state and local authorities.

Under the LED Partnership, states agree to share Unemployment Insurance earnings data and the Quarterly Census of Employment and Wages (QCEW) data with the Census Bureau. The LEHD program combines these administrative data, additional administrative data and data from censuses and surveys. From these data, the program creates statistics on employment, earnings, and job flows at detailed levels of geography and industry and for different demographic groups. In addition, the LEHD program uses these data to create partially synthetic data on workers' residential patterns.

All 50 states, the District of Columbia, Puerto Rico, and the U.S. Virgin Islands have joined the LED Partnership, although the LEHD program is not yet producing public-use data for Alaska, Hawaii, Nevada, New Mexico, North Carolina, North Dakota, Oklahoma, South Carolina, South Dakota, Texas, Utah, Virginia, West Virginia, and Wyoming.



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

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Reference Materials

- QWI 101
 - Introduction to development and use of QWI
 - Excellent reference for new users
 - http://lehd.ces.census.gov/doc/QWI_101.pdf
- “The LEHD Infrastructure Files and the Creation of the Quarterly Workforce Indicators”
 - Detailed methodology, intended for advanced users
 - http://lehd.ces.census.gov/doc/technical_paper/tp-2006-01.pdf

LED Extraction Tool

LED Extraction Tool - Quarterly Workforce Indicators (QWI) LEHD Home Help and Documentation

1. Geography 2. Firm Characteristics 3. Worker Characteristics 4. Indicators 5. Quarters 6. Summary and Export

State Oregon

Search:

Counties: 36, Metro/Metropolitan Areas: 20, Workforce Investment Areas: 15

<p>Geography Type</p> <p>States</p> <p>Counties</p> <p>Micro/Metropolitan Areas</p> <p>Workforce Investment Areas</p>	<p>Areas</p> <p>Search: <input type="text"/></p> <p>Check All Check None Invert Selection</p> <ul style="list-style-type: none"> <input type="checkbox"/> 41011 Coos, OR <input type="checkbox"/> 41013 Crook, OR <input type="checkbox"/> 41015 Curry, OR <input type="checkbox"/> 41017 Deschutes, OR <input type="checkbox"/> 41019 Douglas, OR <input type="checkbox"/> 41021 Gilliam, OR <input type="checkbox"/> 41023 Grant, OR <input type="checkbox"/> 41025 Harney, OR <input type="checkbox"/> 41027 Hood River, OR <input type="checkbox"/> 41029 Jackson, OR <input type="checkbox"/> 41031 Jefferson, OR <input type="checkbox"/> 41033 Josephine, OR <input type="checkbox"/> 41035 Klamath, OR <input type="checkbox"/> 41037 Lake, OR <input type="checkbox"/> 41039 Lane, OR <input type="checkbox"/> 41041 Lincoln, OR <input type="checkbox"/> 41043 Linn, OR <input type="checkbox"/> 41045 Malheur, OR <input checked="" type="checkbox"/> 41047 Marion, OR <input type="checkbox"/> 41049 Morrow, OR <input type="checkbox"/> 41051 Multnomah, OR <input type="checkbox"/> 41053 Polk, OR <input type="checkbox"/> 41055 Sherman, OR <input type="checkbox"/> 41057 Tillamook, OR <input type="checkbox"/> 41059 Umatilla, OR <input type="checkbox"/> 41061 Union, OR <input type="checkbox"/> 41063 Wallowa, OR <input type="checkbox"/> 41065 Wasco, OR <input type="checkbox"/> 41067 Washington, OR <input type="checkbox"/> 41069 Wheeler, OR <input type="checkbox"/> 41071 Yamhill, OR
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Characteristics and Indicators

LED Extraction Tool - Quarterly Workforce Indicators (QWI) LEHD Home Help and Documentation

1. Geography | 2. Firm Characteristics | 3. Worker Characteristics | 4. Indicators | 5. Quarters | 6. Summary and Export

Industry Detail Level

NAICS Sectors

NAICS 3-digit Subsectors

NAICS 4-digit Industries

Firm Ownership

All

All Private

Firm Age

All Firm Ages

0-1 Years

2-3 Years

4-5 Years

6-10 Years

11+ Years

Firm Size

All Firm Sizes

0-19 Employees

20-49 Employees

50-249 Employees

250-499 Employees

500+ Employees

Industries

Search:

[Check All](#) | [Check None](#) | [Invert Selection](#)

- 00 All NAICS Sectors
- 11 Agriculture, Forestry, Fishing and Hunting
- 21 Mining, Quarrying, and Oil and Gas Extraction
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)
- 92 Public Administration

Summary and Export

LED Extraction Tool - Quarterly Workforce Indicators (QWI) LEHD Home Help and Documentation

1. Geography 2. Firm Characteristics 3. Worker Characteristics 4. Indicators 5. Quarters 6. Summary and Export

Estimated Results Size

Number of Rows: 300
 Size of CSV: Less than a Megabyte.
 Size of ZIP: Less than a Megabyte.
 Run Time: Less than a Minute.

Submit Request

Include Labels
Including labels will dramatically increase processing time and file size.

Email results:

Request Progress

Your data request is complete. Access the Current results to the right.

Submission

Waiting

Processed 100%

Finished

Additional Information

Basic QWI Information
[QWI Data Schema](#) [PDF, 196k]
[QWI 101](#) [PDF, 203k]

Comprehensive QWI Information
[Detailed QWI Definitions](#) [PDF, 272k]
[The LEHD Infrastructure Files and the Creation of the Quarterly Workforce Indicators document](#) [PDF, 768k]

Data Notices/Updates
[QWI Data Vintage Notices](#) [PDF, 166k]
[QWI Restructuring](#) [PDF, 100k]
[Firm Age/Size Release Notice](#) [PDF, 95k]

For more information, go to [LED Extraction Tool Help and Documentation](#).

Query Results

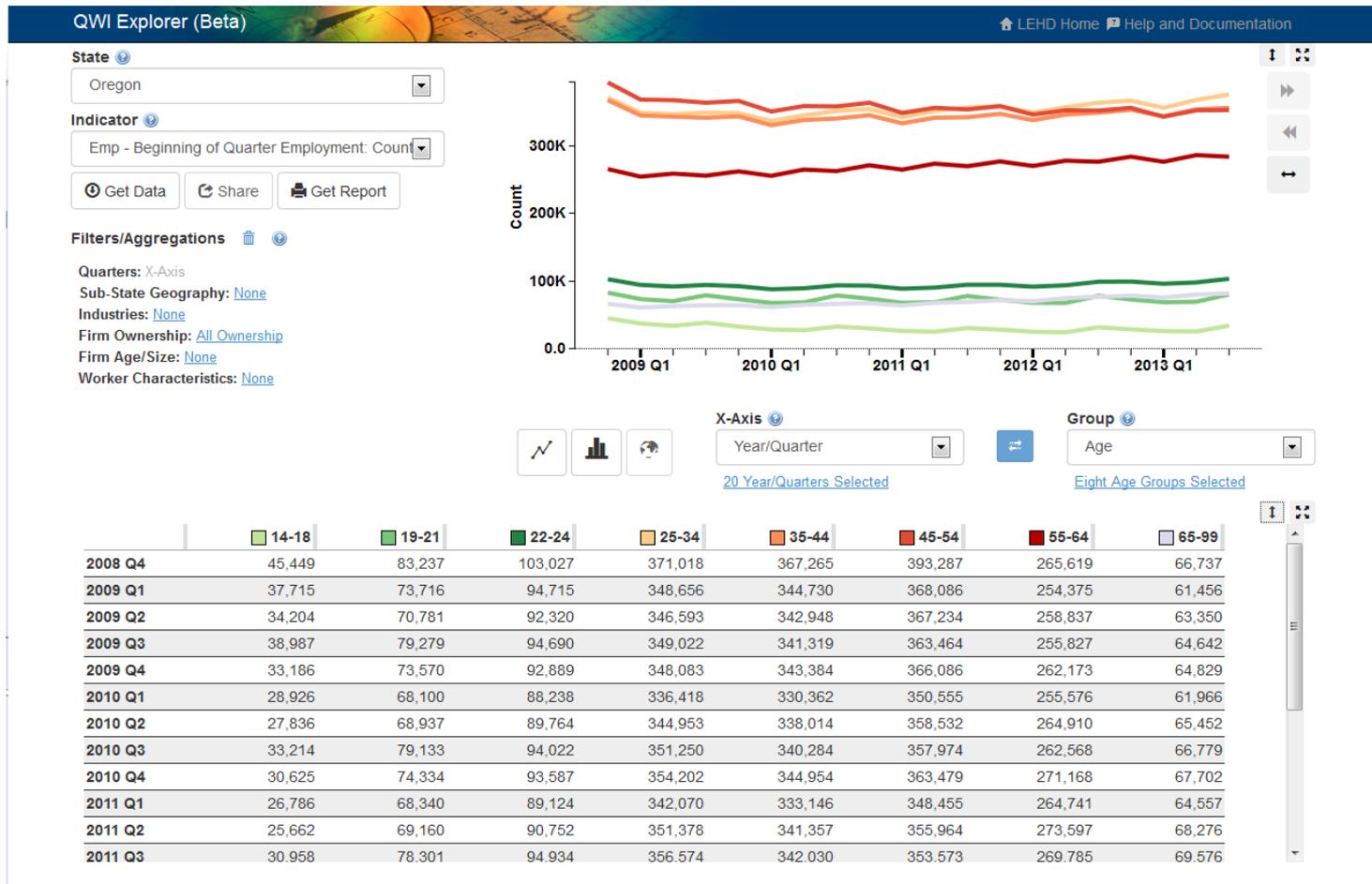
Current

OR, 1 County, 1 Sector, Private, Firm Age, Sex/Age

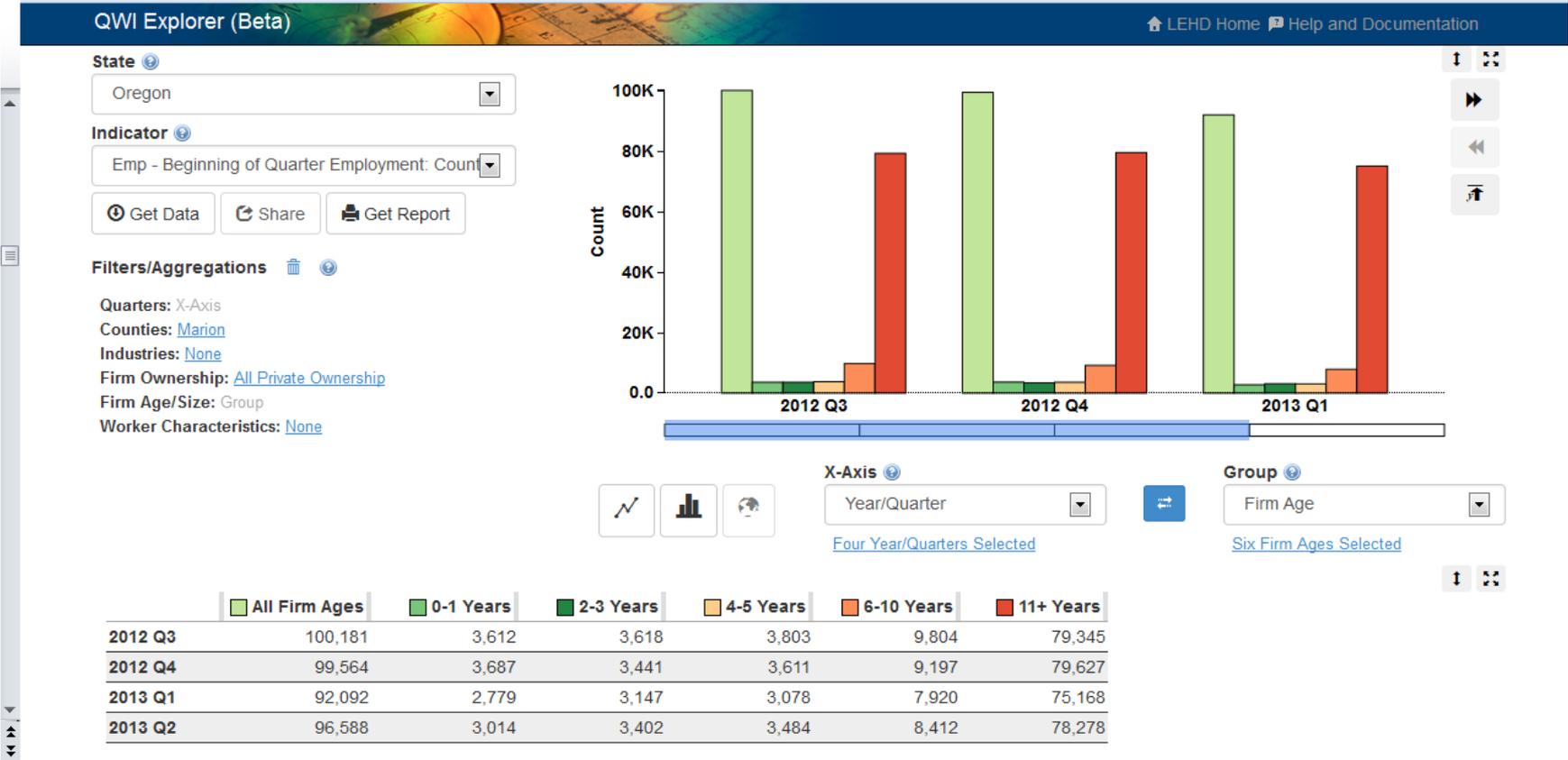
Rows returned: 216
 Uncompressed Size: Less than a Megabyte.
 Download:
[CSV | Metadata \(ZIP\)](#) | [CSV & Metadata \(ZIP\)](#)

Previous

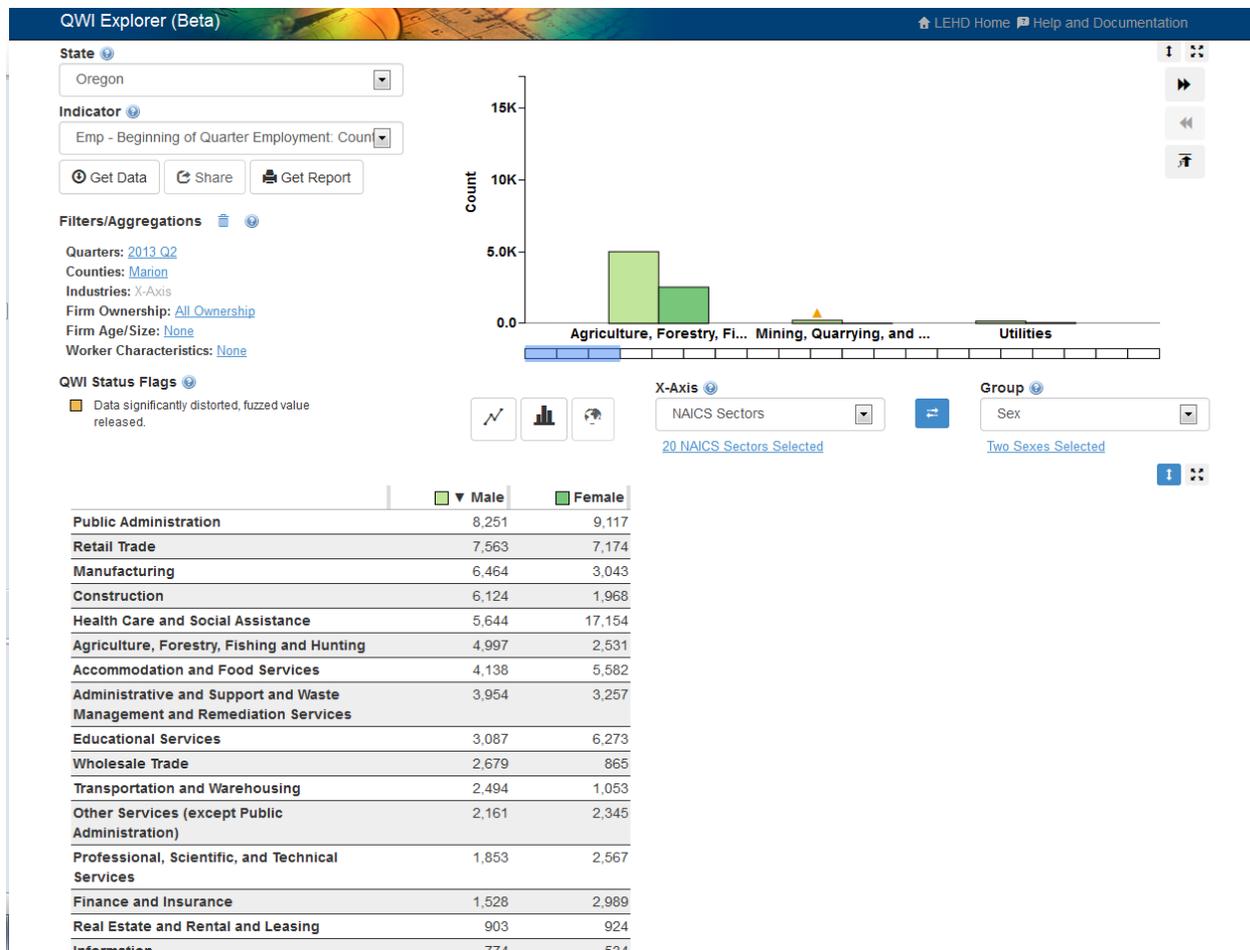
QWI Explorer



Age of Workers at Startup Firms



Industry Ranking



http://onthemap.ces.census.gov/

The screenshot displays the 'OnTheMap' web application interface. At the top, there is a navigation bar with 'OnTheMap' on the left and 'LEHD Home Help and Documentation Reload Text-Only' on the right. Below the navigation bar is a control panel with tabs for 'Start', 'Base Map', and 'Selection'. The 'Start' tab is active, showing a 'Welcome to OnTheMap!' message and instructions on how to use the application. A yellow banner highlights a 'Read New Data Notice (6/6/2013)'. Below this, there is a 'Search' section with a search box and a 'Search' button. The 'Import Geography' section offers options to 'Import from KML', 'Import from SHP', and 'Import from GPS'. The 'Load .OTM File' section includes a 'Load' button and a note to click the 'Load' button to load a .OTM file. The main area of the interface is a map of the United States with various cities labeled, including Anchorage, Seattle, Portland, St. Paul, Chicago, Buffalo, Boston, New York, Oakland, Fresno, Aurora, Omaha, Columbus, St. Louis, Virginia Beach, Riverside, Albuquerque, Wichita, Nashville, Davidson metropolitan government (t), Mesa, Tucson, Fort Worth, Atlanta, San Antonio, Jacksonville, Tampa, Miami, and San Juan. The map includes a north arrow and a vertical scale bar on the left side.

Getting Started

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.

[Read New Data Notice \(6/6/2013\)](#)

Search

Marion Search

Search All Names

States
No results found.

Counties

- Marion County, WV
- Marion County, KY
- Marion County, TN
- Marion County, IN
- Marion County, OR
- Marion County, IA
- Marion County, SC
- Marion County, MO
- Marion County, OH
- Marion County, MS
- Marion County, KS
- Marion County, FL
- Marion County, TX
- Marion County, AR
- Marion County, GA
- Marion County, AL
- Marion County, IL

Places (Cities, CDPs, etc.)

- Marion CDP, PA
- Marion Center CDP, MA
- Marion city, KS
- Marion Heights borough, PA
- East Marion CDP, NY
- Point Marion borough, PA
- Marion CDP, MT
- Marion city, NC
- West Marion CDP, NC
- Marion CDP, OR
- Marion CDP, UT
- Marion city, SC
- Marion city, AL
- Marion town, MS

Marion County, OR
from Counties
 Selection Area: 1,192,500 Sq. Mi
 Census Blocks: 8,237

[Perform Analysis on Selection Area](#)

[Change Selection Area](#)
[Add Advanced Selection](#)

Analysis Settings

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.

[Read New Data Notice \(6/6/2013\)](#)

Search Marion

Search All Names

States
No results found.

Counties

- Marion County, WV
- Marion County, KY
- Marion County, TN
- Marion County, IN
- Marion County, OR
- Marion County, IA
- Marion County, SC
- Marion County, MO
- Marion County, OH
- Marion County, MS
- Marion County, KS
- Marion County, FL
- Marion County, TX
- Marion County, AR
- Marion County, GA
- Marion County, AL
- Marion County, IL

Places (Cities, CDPs, etc.)

- Marion CDP, PA
- Marion Center CDP, MA
- Marion city, KS
- Marion Heights borough, PA
- East Marion CDP, NY
- Point Marion borough, PA
- Marion CDP, MT
- Marion city, NC
- West Marion CDP, NC
- Marion CDP, OR
- Marion CDP, UT
- Marion city, SC
- Marion city, AL
- Marion town, MS
- Marion town, VA

Analysis Settings

Area Profile Analysis in 2010 and 2011 by All Private Jobs

Home/Work Area
Determines whether the selection area is analyzed on where workers live ("Home") or where workers are employed ("Work").

Home
 Work

Analysis Type
Determines the type of results that will be generated for the selected area.

Area Profile
Labor Market Segment:
All Workers

Area Comparison
Areas to Compare:
Places (Cities, CDPs, etc.)

Labor Market Segment:
All Workers

Distance/Direction

Destination
Destination Type:
Places (Cities, CDPs, etc.)

Inflow/Outflow
Note: Home/Work choice does not affect results

Year
Determines the year(s) of data that will be processed in the analysis.

2011
 2010
 2009
 2008
 2007
 2006
 2005
 2004
 2003
 2002

Job Type
Determines the scope of jobs that will be processed in the analysis.

All Jobs
 Primary Jobs
 All Private Jobs
 Private Primary Jobs

Cancel Go!

Area Profile

OnTheMap LEHD Home Help and Documentation Reload Text-Only

Start Base Map Selection Results

Save Load Feedback Previous Extent Hide Tabs Hide Chart/Report

Work Area Profile Analysis

enter your own subtitle

Display Settings

Characteristic Filter: Total
Year: 2011

Map Controls

Color Key

- Thermal Overlay
- Point Overlay
- Selection Outline

Identify Zoom to Selection
Clear Overlays Animate Overlays

Report/Map Outputs

- Detailed Report
- Export Geography
- Print Chart/Map

Legends

- 5 - 551 Jobs/Sq.Mile
- 552 - 2,190 Jobs/Sq.Mile
- 2,191 - 4,923 Jobs/Sq.Mile
- 4,924 - 8,748 Jobs/Sq.Mile
- 8,749 - 13,667 Jobs/Sq.Mile

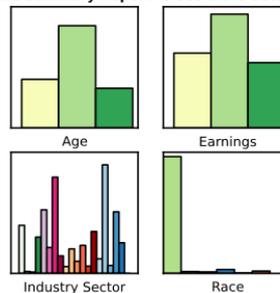
- 1 - 6 Jobs
- 7 - 82 Jobs
- 83 - 415 Jobs
- 416 - 1,310 Jobs
- 1,311 - 3,199 Jobs

Analysis Selection

Analysis Settings

Change Settings

Click a Characteristic link in the Summary Report to see more detail.



View as Bar Chart

Total All Private Jobs

	2011	
	Count	Share
Total All Private Jobs	94,287	100.0%

Worker Age

	2011	
	Count	Share
Age 29 or younger	24,029	25.5%
Age 30 to 54	50,596	53.7%
Age 55 or older	19,662	20.9%

Earnings

	2011	
	Count	Share
\$1,250 per month or less	27,813	29.5%
\$1,251 to \$3,333 per month	42,235	44.8%
More than \$3,333 per month	24,239	25.7%

NAICS Industry Sector

	2011	
	Count	Share
Agriculture, Forestry	7,437	7.6%

Firm Age

	2011	
	Count	Share
0-1 Years	2,346	2.5%
2-3 Years	3,563	3.8%
4-5 Years	3,667	3.9%
6-10 Years	8,554	9.1%
11+ Years	76,157	80.8%

Important Note: Firm Age is available for All Private Jobs only.

Firm Size

	2011	
	Count	Share
0-19 Employees	24,862	26.4%
20-49 Employees	11,031	11.7%
50-249 Employees	15,814	16.8%
250-499 Employees	4,982	5.3%
500+ Employees	37,598	39.9%

Important Notes: Firm Size is available for All Private Jobs only. For firms 1 year and older, firm size is the national size of the firm in March of the previous year.

Area Comparison

On The Map
LEHD Home [Help](#) and [Documentation](#) [Reload](#) [Text-Only](#)

Start Base Map Selection
explains how to use the map for using specific functionality. Sections in the control panel can be collapsed or opened by clicking the section title.

[Read New Data Notice \(6/6/2013\)](#)

Search

Search All Names

States
No results found.

Counties
 Salem County, NJ
 Salem city, VA

Places (Cities, CDPs, etc.)
 Salem city, MA
 Salem city, UT
 Salem village, NE
 Salem CDP, AR
 Salem city, SD
 Salem city, VA
Salem city, OR
 West Salem village, IL
 Salem CDP, NM
 Salem CDP, OK
 Salem CDP, NC
 Salem city, KY
 Salem city, OH
 Salem city, IL
 New Salem borough, PA
 Salem city, NJ
 East Salem CDP, PA
 Salem city, IN
 New Salem CDP, PA
 New Salem city, ND
 Salem village, NY
 Salem city, AR
 Winston-Salem city, NC
 Salem city, WV
 North Salem town, IN
 West Salem village, WI
 Salem CDP, GA
 Salem city, IA
 South Salem village, OH
 West Salem village, OH
 New Salem village, IL
 Salem Heights CDP, OH
 Lower Salem village, OH
 Salem town, SC
 Salem city, MO

Area Comparison

OnTheMap

Start Base Map Selection Results

Save Load Feedback Previous Extent Hide Tabs Hide Chart/Report

Work Area Comparison

Analysis by ZIP Codes (ZCTA)

enter your own subtitle

▼ Display Settings

Characteristic Filter Workers Earning More than \$3,333 per month

Number of Results Top 10

Sort Chart/Report by Total

Year 2011

▼ Map Controls

Color Key ■

Thematic Overlay

Selection Outline

I Identify Z Zoom to Selection

C Clear Overlays A Animate Overlays

▼ Report/Map Outputs

D Detailed Report

E Export Geography

P Print Chart/Map

▼ Legends

- 23,060 Jobs
- 6,567 Jobs
- 1,382 Jobs
- 1,076 Jobs
- 1,012 Jobs
- 777 Jobs
- 57 Jobs
- N Analysis Selection

► Analysis Settings

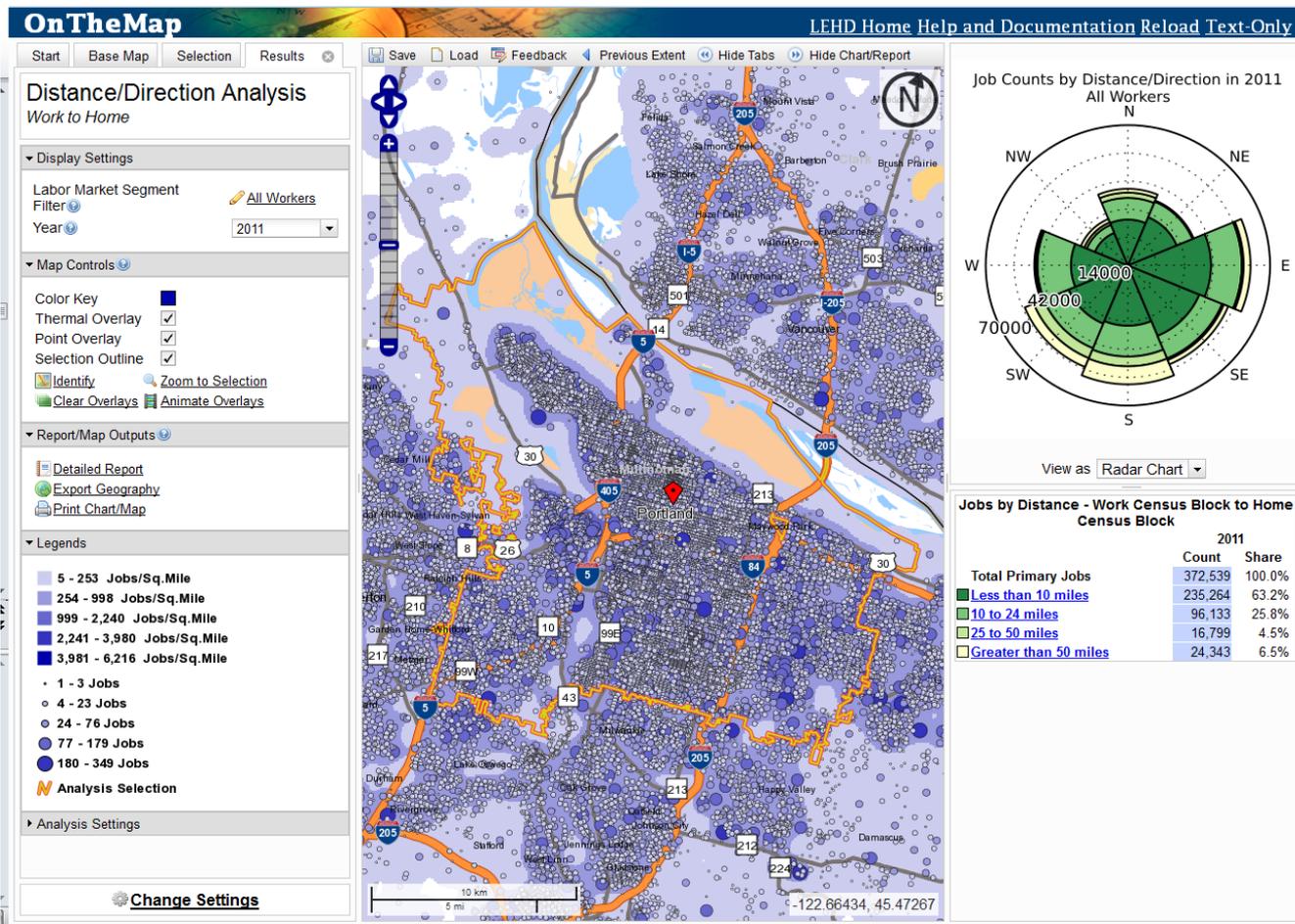
⚙ [Change Settings](#)

Job Counts by ZIP Codes (ZCTA) in 2011

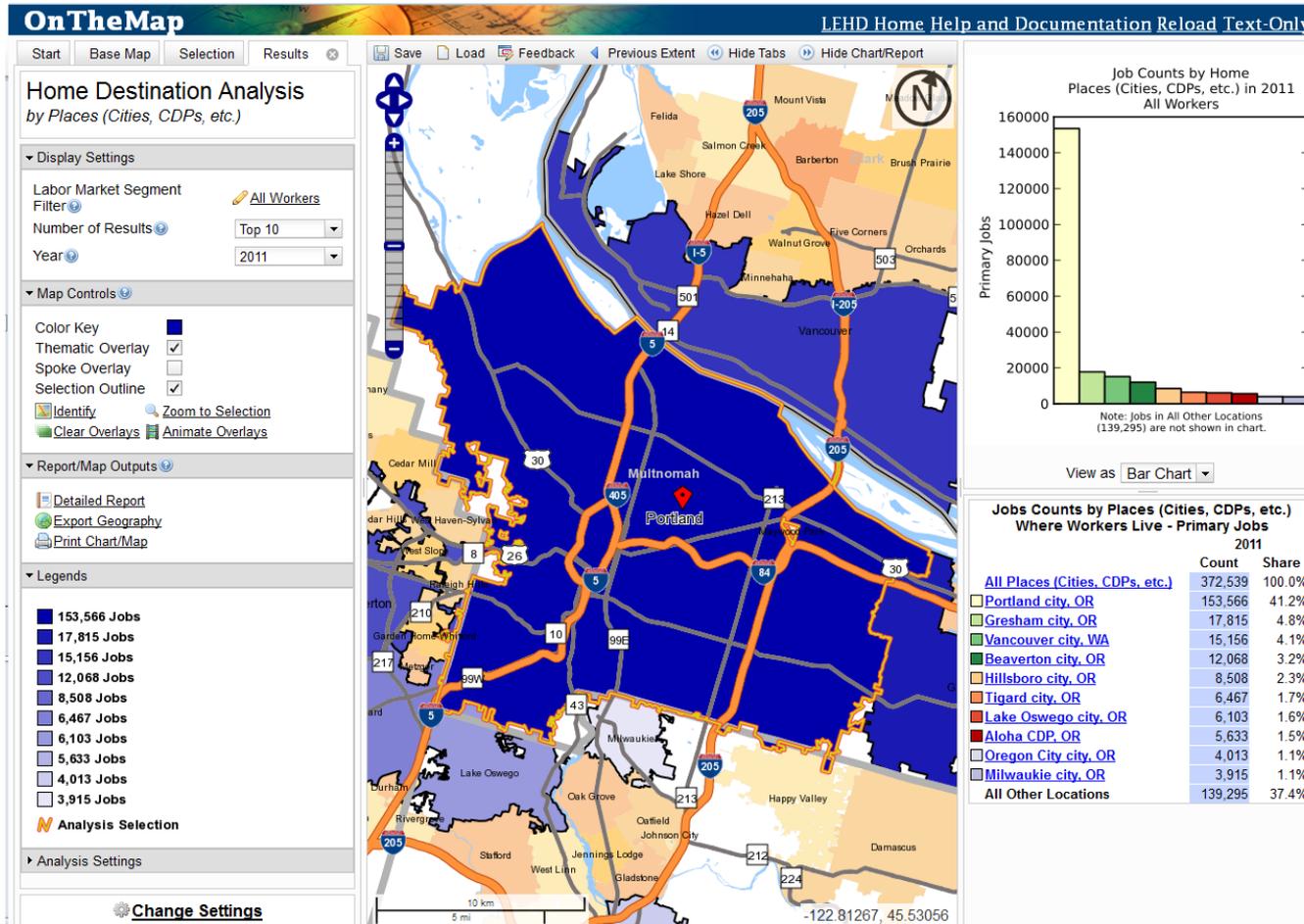
Job Counts by ZIP Codes (ZCTA) in 2011 - Primary Jobs

	Total	More than \$3,333 per month	Filter Share
All ZIP Codes (ZCTA)	83,088	33,931	40.8%
97301 (Partial)	50,358	23,060	45.8%
97302 (Partial)	19,446	6,567	33.8%
97305 (Partial)	3,573	1,076	30.1%
97304 (Partial)	3,348	1,012	30.2%
97317 (Partial)	3,233	1,382	42.7%
97306 (Partial)	2,865	777	27.1%
97303 (Partial)	265	57	21.5%

Distance/Direction



Destination



Spoke and Identify

OnTheMap
LEHD Home Help and Documentation Reload Text-Only

Home Destination Analysis
by Places (Cities, CDPs, etc.)

Display Settings

Labor Market Segment Filter: **All Workers**

Number of Results: **Top 10**

Year: **2011**

Map Controls

Color Key: **All Workers**

Thematic Overlay:

Spoke Overlay:

Selection Outline:

Identify Zoom to Selection

Clear Overlays Animate Overlays

Report/Map Outputs

[Detailed Report](#)

[Export Geography](#)

[Print Chart/Map](#)

Legends

- 153,566 Jobs
- 17,815 Jobs
- 15,156 Jobs
- 12,068 Jobs
- 8,508 Jobs
- 6,467 Jobs
- 6,103 Jobs
- 5,633 Jobs
- 4,013 Jobs
- 3,915 Jobs

[Change Settings](#)

Job Counts by Home Places (Cities, CDPs, etc.) in 2011 All Workers

Note: Jobs in All Other Locations (139,295) are not shown in chart.

View as: **Bar Chart**

Jobs Counts by Places (Cities, CDPs, etc.) Where Workers Live - Primary Jobs 2011

All Places (Cities, CDPs, etc.)	Count	Share
Portland city, OR	372,539	100.0%
Gresham city, OR	17,815	4.8%
Vancouver city, WA	15,156	4.1%
Beaverton city, OR	12,068	3.2%
Hillsboro city, OR	8,508	2.3%
Tigard city, OR	6,467	1.7%
Lake Oswego city, OR	6,103	1.6%
Aloha CDP, OR	5,633	1.5%
Oregon City city, OR	4,013	1.1%
Milwaukie city, OR	3,915	1.1%
All Other Locations	139,295	37.4%

Identify

Vancouver city, WA 2011

Total

All Workers 15,156

Worker Age

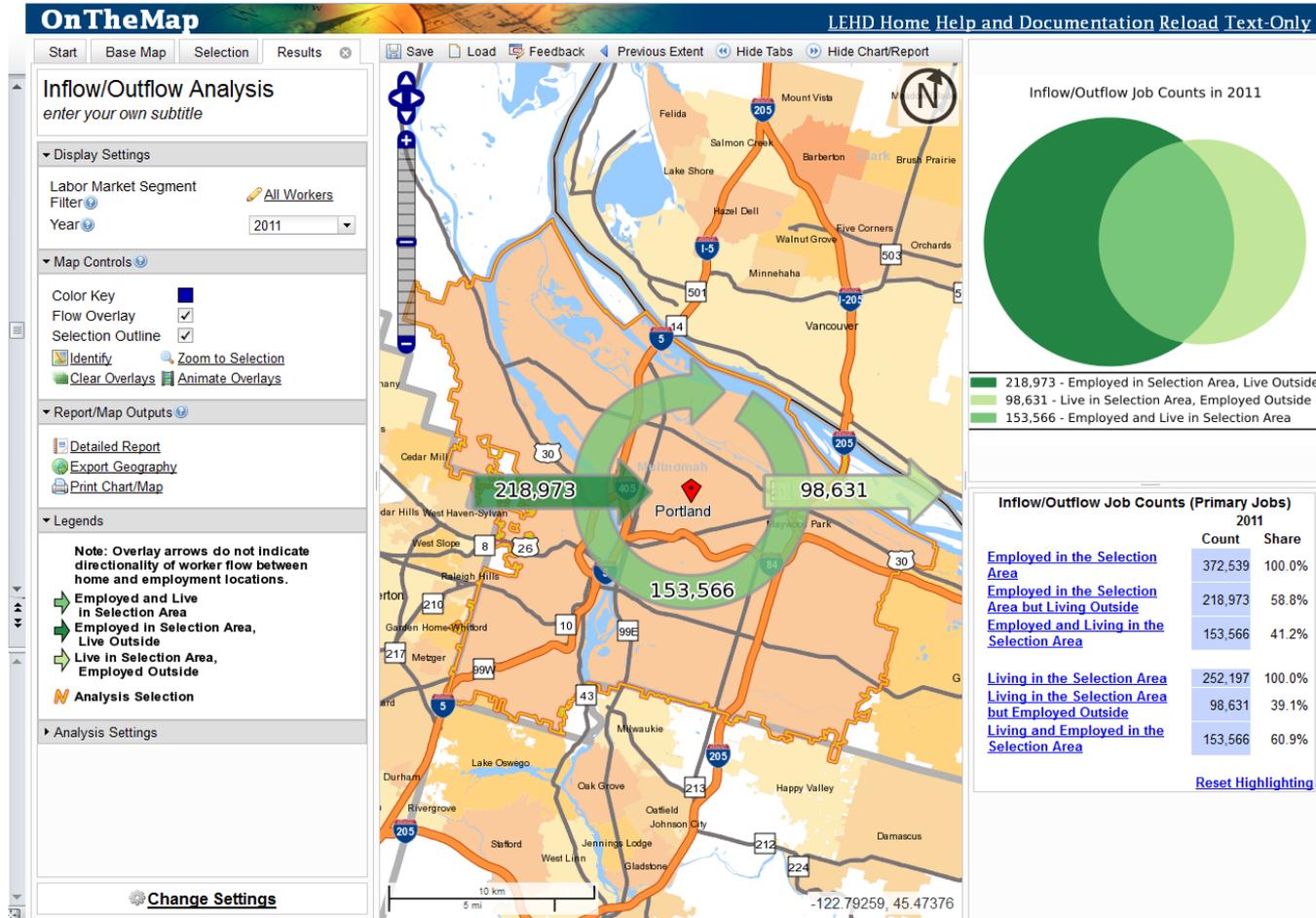
Age 29 or younger 2,799

Age 30 to 54 9,272

Age 55 or older 3,085

[Close](#)

Inflow/Outflow



Paired Area Analysis

OnTheMap
LEHD Home Help and Documentation Reload Text-Only

Paired Area Analysis
enter your own subtitle

Display Settings

Labor Market Segment Filter: All Workers

Year: 2011

Map Where Workers: Work

Map Controls

Color Key: Thermal Overlay
 Point Overlay
 Selection Outline

Identify | Zoom to Selection
Clear Overlays | Animate Overlays

Report/Map Outputs

Detailed Report
Export Geography
Print Chart/Map

Legends

- 5 - 523 Jobs/Sq.Mile
- 524 - 2,078 Jobs/Sq.Mile
- 2,079 - 4,670 Jobs/Sq.Mile
- 4,671 - 8,300 Jobs/Sq.Mile
- 8,301 - 12,966 Jobs/Sq.Mile

- 1 - 2 Jobs
- 3 - 32 Jobs
- 33 - 161 Jobs
- 162 - 508 Jobs
- 509 - 1,241 Jobs

Analysis Selection
Paired Area Selection

Analysis Settings

[Change Settings](#)

Coordinates: -119.07635, 44.43047

Click a Labor Market Segment link in the Summary Report to see more detail.

Age

Earnings

Industry Group

View as: Bar Chart

Job Counts by Total Primary Jobs for Paired Area

	2011	
	Count	Share
All Workers	80,910	100.0%

Job Counts by Worker Age for Paired Area

	2011	
	Count	Share
Age 29 or younger	15,666	19.4%
Age 30 to 54	48,644	60.1%
Age 55 or older	16,600	20.5%

Job Counts by Earnings for Paired Area

	2011	
	Count	Share
\$1,250 per month or less	13,162	16.3%
\$1,251 to \$3,333 per month	29,069	35.9%
More than \$3,333 per month	38,679	47.8%

Job Counts by Industry Segment for Paired Area

2011

Polygons

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

Start Base Map Selection

Save Load Feedback Previous Extent Hide Tabs

Selection Preview:

Confirm Selection

Confirm and Add Advanced Selection

Help?

Drawing Tools

Navigation

Draw Polygon (Freehand)

Draw Line

Draw Point(s)

Edit Drawn Shape

Clear Selection

Add Layer Selection

Places (Cities, CDPs, etc.)

Add Buffer to Selection

Do Not Buffer

Simple/Ring

Radius: miles

Donut

Inside Radius: miles

Outside Radius: miles

Plume

Start Radius: miles

End Radius: miles

Import Geography

[Import from KML](#)

[Import from SHP](#)

[Import from GPS](#)

Previous Shapes

No Previous Shapes

Results Tab

OnTheMap
LEHD Home Help and Documentation Reload Text-Only

Start Base Map Selection Results
Save Load Feedback Previous Extent Hide Tabs Hide Chart/Report

Work Area Profile Analysis
enter your own subtitle

▼ Display Settings

Characteristic Filter Total
Year 2011

▼ Map Controls

Color Key

Thermal Overlay

Point Overlay

Selection Outline

Identify Zoom to Selection
Clear Overlays Animate Overlays

▼ Report/Map Outputs

Detailed Report
Export Geography
Print Chart/Map

▼ Legends

- 5 - 4,071 Jobs/Sq.Mile
- 4,072 - 16,269 Jobs/Sq.Mile
- 16,270 - 36,599 Jobs/Sq.Mile
- 36,600 - 65,061 Jobs/Sq.Mile
- 65,062 - 101,656 Jobs/Sq.Mile
- 1 - 6 Jobs
- 7 - 95 Jobs
- 96 - 481 Jobs
- 482 - 1,520 Jobs
- 1,521 - 3,710 Jobs
- Analysis Selection

▼ Analysis Settings

[Change Settings](#)

Portland

-122.67514, 45.51233

Click a Characteristic link in the Summary Report to see more detail.

Age

Earnings

Industry Sector

Race

View as Bar Chart

Total Primary Jobs

	2011	
	Count	Share
Total Primary Jobs	85,200	100.0%

Worker Age

	2011	
	Count	Share
Age 29 or younger	16,802	19.7%
Age 30 to 54	52,067	61.1%
Age 55 or older	16,331	19.2%

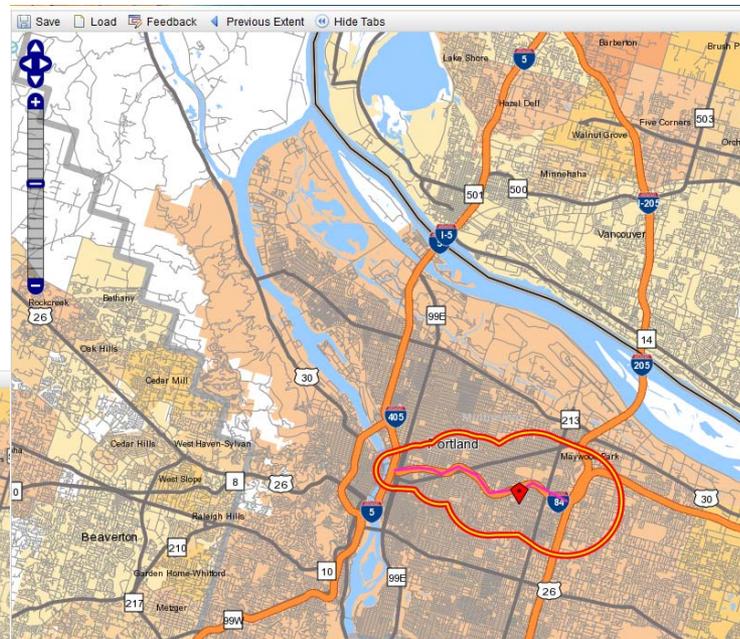
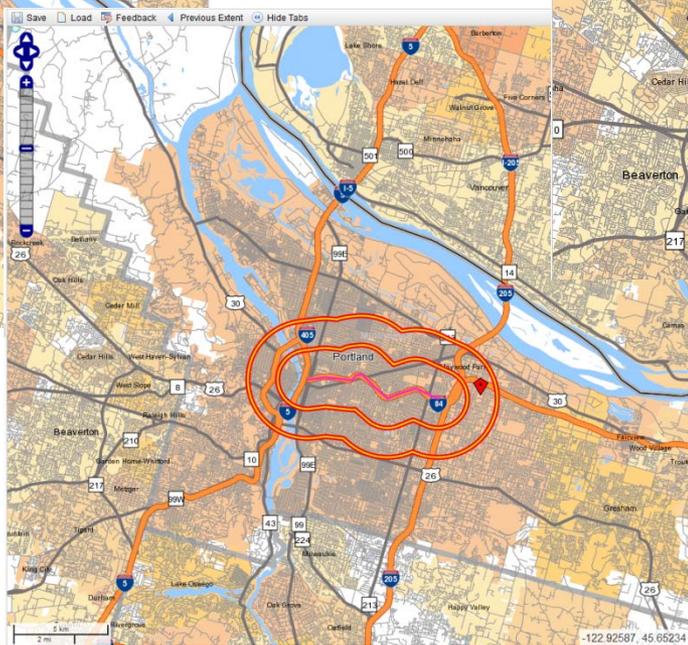
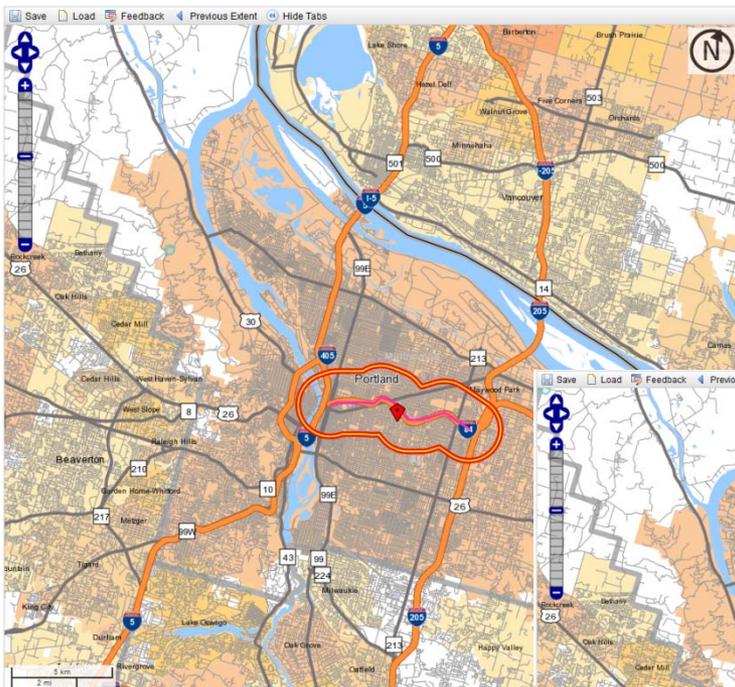
Earnings

	2011	
	Count	Share
\$1,250 per month or less	11,089	13.0%
\$1,251 to \$3,333 per month	25,793	30.3%
More than \$3,333 per month	48,318	56.7%

NAICS Industry Sector

	2011	
	Count	Share
Agriculture, Forestry,	207	0.2%

Buffers – Ring, Donut, Plume



Help and Documentation

You are here: [Census.gov](#) > [Business & Industry](#) > [Center for Economic Studies](#) > [Longitudinal Employer-Household Dynamics](#) > [Applications](#) > Help

Longitudinal Employer-Household Dynamics

- Main
- Applications
- Data
- Learn More
- Research
- State Partners
- Partner with Us

Applications

- [OnTheMap](#)
- [OnTheMap for Emergency Management](#)
- [LED Extraction Tool](#)
- [QWI Online](#)
- [Industry Focus](#)

Useful Links

- [Center for Economic Studies](#)
- [QWI](#)
- [Cornell VirtualRDC](#)
- [LED Workshop](#)
- [LEHD in Practice](#)
- [CED HotReport](#)

Contact Information

Email us: CES.Local.Employment.Dynamics@census.gov

or

Call us at [\(301\) 763-8303](tel:3017638303)

[Further contact information](#)

OnTheMap Help and Documentation

Choose an application:

[Help](#) > [About the Application](#) > [What is OnTheMap?](#)

[Next >>](#)

What is OnTheMap?

OnTheMap Version 6 is the sixth generation of OnTheMap, a web-based mapping and reporting application that shows where workers are employed and where they live. It also provides companion reports on age, earnings, industry distributions, race, ethnicity, educational attainment, and sex. See [An Overview on the LEHD Origin-Destination Employment Statistics \(LODES\)](#) (172 KB) for more information on the available data in OnTheMap.

Race, Ethnicity, Educational Attainment, Sex, Firm Age, and Firm Size variables are made available in OnTheMap through a beta release of data.

OnTheMap provides an easy-to-use interface for creating, viewing, printing and downloading workforce related maps, profiles, and underlying data. Based on 2002-2011 LEHD Origin Destination Employment Statistics (LODES), OnTheMap is a unique resource for mapping the travel patterns of workers and identifying small-area workforce characteristics. Download this [one-page document about OnTheMap](#) (75 KB) for more information.

The project is supported by the Employment and Training Administration (ETA) at the U.S. Department of Labor.

Other Applications

Text-Only Tool – A version of the tool for those who prefer or are not able to use the standard mapping interface.

OnTheMap Mobile – A mobile-optimized version of OnTheMap that can be accessed through mobile (iOS and Android) web browsers.

OnTheMap for Emergency Management – An offshoot of the standard OnTheMap application that provides an easy interface from which to retrieve reports containing detailed workforce, population, and housing characteristics for hurricanes, floods, wildfires, winter storms, and federal disaster declaration areas.

Start OnTheMap



About the Application

What is OnTheMap?

- [Major Enhancements](#)
- [Release Schedule](#)
- [Mapping Terms](#)
- [Report Terms](#)
- [System Requirements](#)

About the Data

- [Data Sources](#)
- [Confidentiality Protection](#)
- [Geographic Data Sources](#)
- [Download the Data](#)
- [Data Notices](#)

Tutorials

- [Getting Started/Overview](#)
- [Analysis Guides](#)
- [More Tutorials](#)

OnTheMap for Emergency Management

OnTheMap for Emergency Management [LEHD Home](#) [OnTheMap](#) [Help and Documentation](#)

Search: U.S. Census Bureau data for disasters, natural hazards, and weather events.

Recent Events

Hurricanes

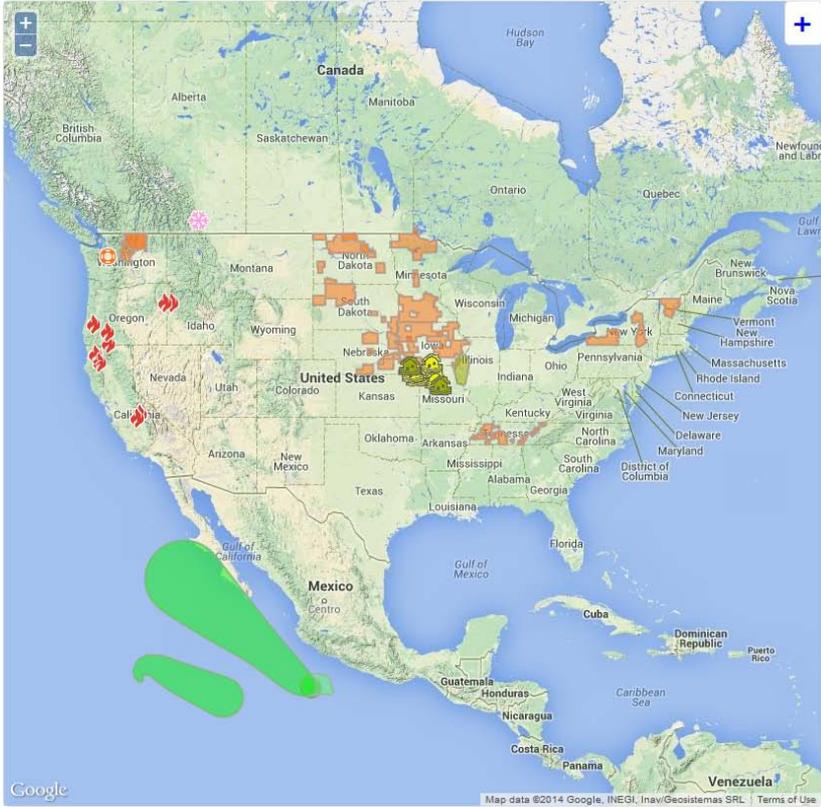
- Tropical Depression Sixteen-e
No data
- Tropical Depression Six
No data
- Tropical Storm Odile
No data

Wildfires

- Deception Creek Complex Fire
Zip 97492
- Bridge Fire
No data
- Freezeout Ridge Fire
No data
- Happy Camp Complex Fire
96086, 96085, 96032 and 3 other ZIP Codes (ZCTA)
- West Fork Fire
No data
- Meadow Fire
No data
- 790 Fire
No data
- Yellow Point Fire
Douglas County, OR
- July Complex Fire
Zip 96027

Federal Disaster Declarations

- DR-9999
Bottineau County, ND, Barnes County, ND, Benson County, ND and 2 other Counties
- DR-4185
Holt County, NE, Rock County, NE, Butler County, NE and 9 other Counties
- DR-4178
Orleans County, VT, Washington County, VT, Orange County, VT and 4 other Counties
- DR-4180
Chautauqua County, NY, Delaware County, NY, Herkimer County, NY and 8 other Counties
- DR-4122
Yukon-Koyukuk Census Area, AK, Valdez-Cordova Census Area, AK, Southeast Fairbanks Census Area, AK and 2 other Counties
- DR-4183
Caddo Parish, LA, Bossier Parish, LA, Franklin Parish, LA



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DR-4169

OnTheMap for Emergency Management LEHD Home OnTheMap Help and Documentation

Disaster Declaration: DR-4169 Time: Fri, 09 May 2014 00:00:02 GMT Export Share Close

Detail by: Characteristics
 Topic: 2010 Decennial Counts
 Analysis Area: Event Area

Population by Age

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

Characteristic	Count	Share
Total	600,000	100.00%
Under 18 years	121,064	20.18%
18 to 19 years	23,050	3.84%
20 to 24 years	53,822	8.97%
25 to 34 years	75,395	12.57%
35 to 49 years	107,011	17.84%
50 to 64 years	128,634	21.44%
65 years and over	91,024	15.17%

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

Total Population - Total per sq. mi. (Tracts)

- 0 - 6
- 7 - 47
- 48 - 334
- 335 - 2,330
- 2,331 - 16,196
- Event Area

Basemap: Terrain

FEMA Reports

FEMA

Plan, Prepare & Mitigate

Before, During & After a Disaster

Disaster Survivor Assistance

Apply for Assistance, Disaster Declarations

Response & Recovery

Tools, Teams, Individual & Public Assistance

Topics & Audiences

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[Designated Areas](#)

[Disaster Federal Register Notices](#)

[FOIA Statistics](#)

+ [Updates and Articles, Blog, and News Releases](#)

[Updates and Articles](#)

[Blog](#)

[News Releases](#)

Oregon Severe Winter Storm (DR-4169)

Incident period: February 6, 2014 to February 10, 2014

Major Disaster Declaration declared on April 4, 2014



FEMA Grants Help Oregon Communities Repair and Rebuild After Winter Storm

Federal disaster assistance is available through FEMA's Public Assistance (PA) Grant Program to help Oregon recover from the Feb. 6-10 severe winter storm in Benton, Lane, Lincoln and Linn counties.

Under the program, FEMA is providing supplemental financial assistance to the state and state agencies, local and tribal governments, and certain private nonprofit organizations for their eligible response and recovery

Share/Email This Page

Geographic Information



Google Earth

PDF of Map

FEMA Data Feeds

Financial Assistance to Help Families and Communities Recover

Individual Assistance	Public Assistance	Definitions
Total Individual Assistance (IA) Applications Approved:		0
Total Individual & Households Program		

KMZ Export/Import

On The Map LHD Home Help and Documentation Reload Text Only

Start Base Map Selection Show Load Feedback Previous Extent Hide Tabs

Use the following tools to import a shape as your selection.
 (Search, Import Geography or Load OTM file) Hover over shapes located throughout the map to import them into the system.

Click the shapes on the map to select and unselect them or use as your selection.

[Read New Data Notice \(6/6/2013\)](#)

Cancel Import

Zoom To Imported Shapes

Select All Points

Select All Lines

Select All Polygons

Clear Selection

Continue with Selected Features

Import from KML
 Import from SHP
 Import from GPX

Load OTM File

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

500 km
200 mi

-135.41045, 43.16682

Questions?

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 - Join the List Serve
 - lehd-onthemap@lists.census.gov
 - lehd-general@lists.census.gov