Impacts and
Recovery
Using the
Longitudinal
Employer-Household
Dynamics Data Tools

Oregon State Data Center Annual Meeting September 30, 2020

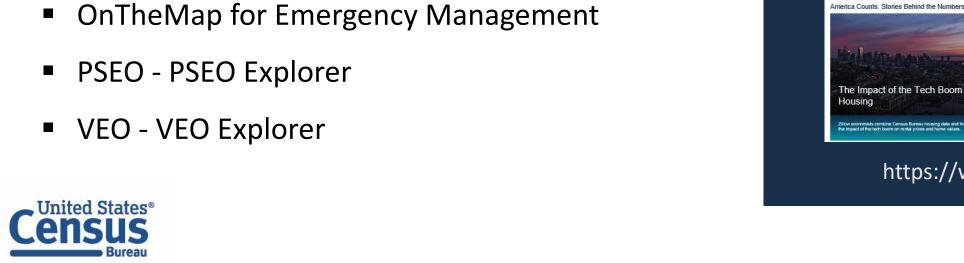
Presented by: Joyce Hahn

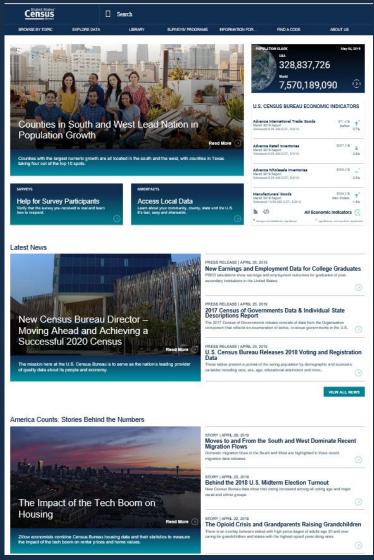




Agenda

- LEHD Introduction
- Accessing the Longitudinal Employer-Household Dynamics Program's Data Tools
- QWI QWI Explorer
- LODES OnTheMap
- J2J Data Flows J2J Explorer





https://www.census.gov/

What are LEHD and LED?

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

Firm
Data

Person
Data

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	<u>QWI Explorer</u>	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



Baby Boomers in Healthcare and Retail Trade

Are You A Baby Boomer Looking For Work? Where To Find The Best Opportunities



Sheila Callaham Contributor ©

Diversity & Inclusion

I write about combatting ageism in the workplace.



Two industries show the most promise for older people looking for work. The BLS report containing data from 1994 to 2016 indicates an increase in workers aged 65 and 69 in healthcare (up 18%) and retail trade (up 14%). Carol Hymowitz, a recognized expert on longevity and diversity in the workplace, writes in her article, "How Health Care Employers Are Welcoming Older Workers,"

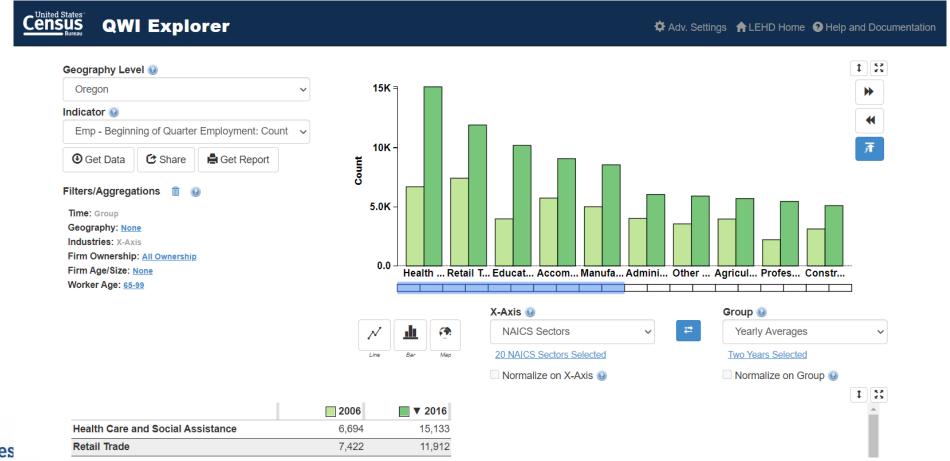
the growing health care industry has taken a progressive approach to hiring and retaining older workers because it's challenged by shortages of employees at every rank. To keep talent and attract new hires, hospitals and outpatient clinics are offering a variety of flexible work arrangements, including part-time schedules, telecommuting and job sharing. Others are rehiring retirees as contract workers.

https://www.forbes.com/sites/sheilacallaham/2019/03/21/are-you-a-baby-boomer-looking-for-work-where-to-find-the-best-opportunities/#1629432360bd





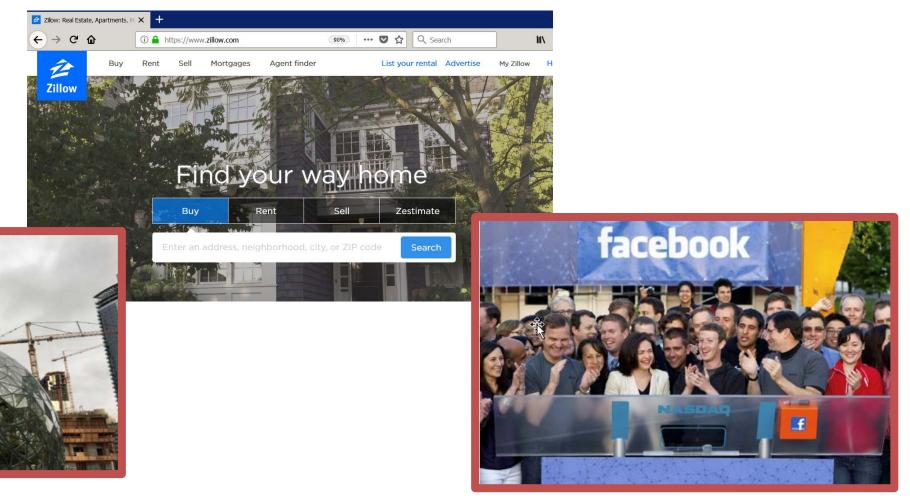
https://qwiexplorer.ces.census.gov/







How Zillow Is Connecting the Dots with LEHD







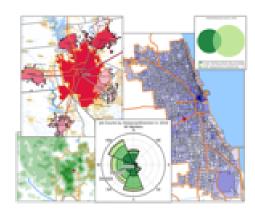
OnTheMap and LODES

OnTheMap.CES.Census.Gov

OnTheMap

Recognized by United Nations as a major U.S. statistical innovation

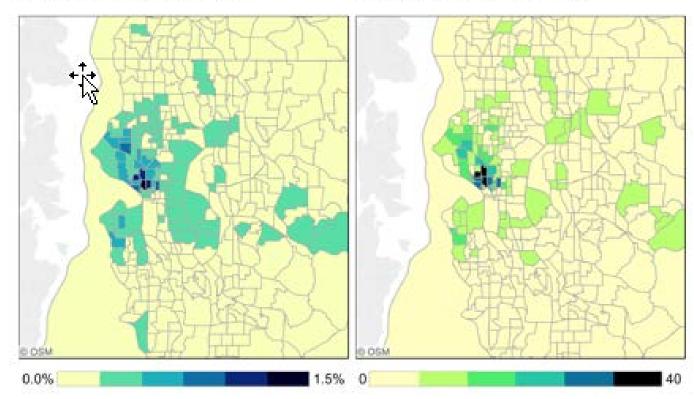
- ✓ Where do workers live?
- ✓ Where do residents work?
- What are the commuter flows of a particular area?
- Analyze/report by worker demographics: age, earnings, race, ethnicity, educational attainment, and sex
- Analyze/report by firm characteristics: NAICS Sector, firm age, and firm size



- 2002-2015 annual data
- √50 states available (plus DC)
- √ User-selected areas
- ✓ Based on Census Blocks
- ✓ Disclosure protection
- √ Flexible Inputs/Outputs

South Lake Union and nearby areas have both the greatest density and the largest growth in residents who work in South Lake Union.

Distribution of SLU workers across census tract of residence, 2015 Average annual change in number of SLU workers by residence census tract, 2011-2015





Amazon Effect





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



Te

Is the 'Amazon effect' on rising rents in North Seattle real?

Originally published April 1, 2016 at 6 to 2 am | Updated April 2, 2016 at 250 pm



Dranes tower above Seattle's University District neighborhood as a building boom continues them (Slaine Thompson / The Associated Print)

Rents in Seattle north of the Ship Canal have breached a coetly threshold for a couple of reasons, including the Ameron boom.

> By Gene Balk / FYI Guy yr g Seattle Times staff columnist

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₩ Tower

The days when you could save a few bucks by renting north of the Ship Canal are rapidly drawing to a close, according to a new report from Seattle-based.

Is it another example of the "Amazon effect" that's driving up rents in some city neithborhoods?

In the stretch from Ballard to the University District, rents shot up sharply between roug and roug, according to data from Zillow, a national real-estate company. Nearly every census tract in this area saw its median price per square foot spike by double digits in that one-year period, increases ranging from 11 to 12 percent.

To be sure, there were similar increases in the far north and south sends of the city, such as Lake City and Rainier Valley. These, however, are some of the least expensive sections of Seattle. So as folks get period out of the sures central meighborhoods, demand here is growing. Even with the jump in rents, these areas are still significantly cheeper.

But the neighborhoods along the





Facebook Headquarters - Menlo Park





Post-IPO, Home Values Grew Faster in Areas Home to Lots of Facebook Employees

By Jeff Tucker on Feb. 4, 2019

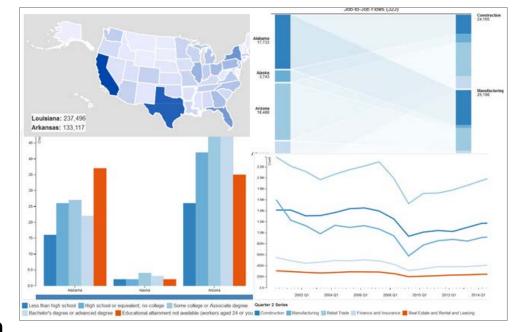
- Every 10 Facebook employees living in a given census tract at the time of Facebook's IPO in May 2012 were associated with an additional 1.6 percentage points of home value increase over that year.
- Between March 2012 and March 2013, home values around likely Facebook employees climbed 21 percent, compared to 17 percent in all other Bay Area census tracts.
- This faster growth translated into an extra \$29,800 in appreciation for the typical home in these Facebookemployee-heavy areas compared to homes in the rest of the Bay Area.





J2J Explorer

- √ 40 Measures of Worker Reallocation
- ✓ Six Visualization Modules with a flexible dashboard interface
- ✓ Export reports to Excel or CSV
- ✓ Trace worker movements through industries, geographic labor markets, and to/from employment
- ✓ Analyze/report by origin and destination geographies: national and state-level tabulations



- Analyze/report by origin and destination firm characteristics:
 NAICS Sector, firm age, and firm size
- Analyze/report by worker demographics: age, earnings, race, ethnicity, educational attainment, and sex
- Data updated every quarter

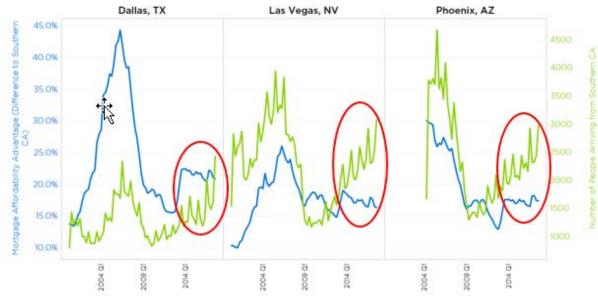




California Exodus

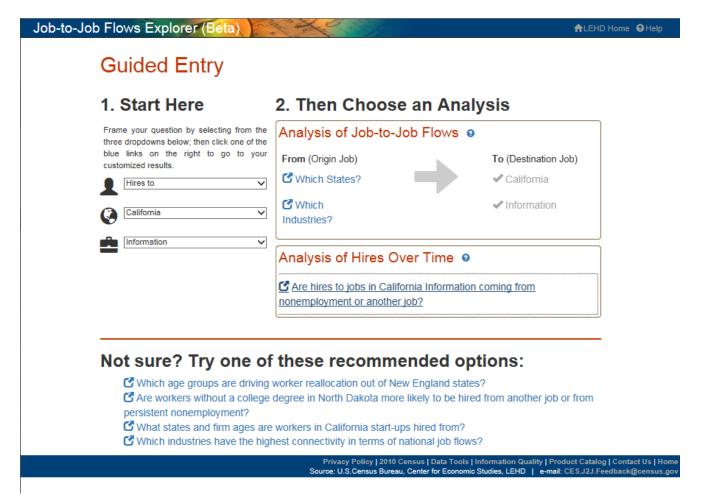


J2J: Regional Migration and Housing Affordability



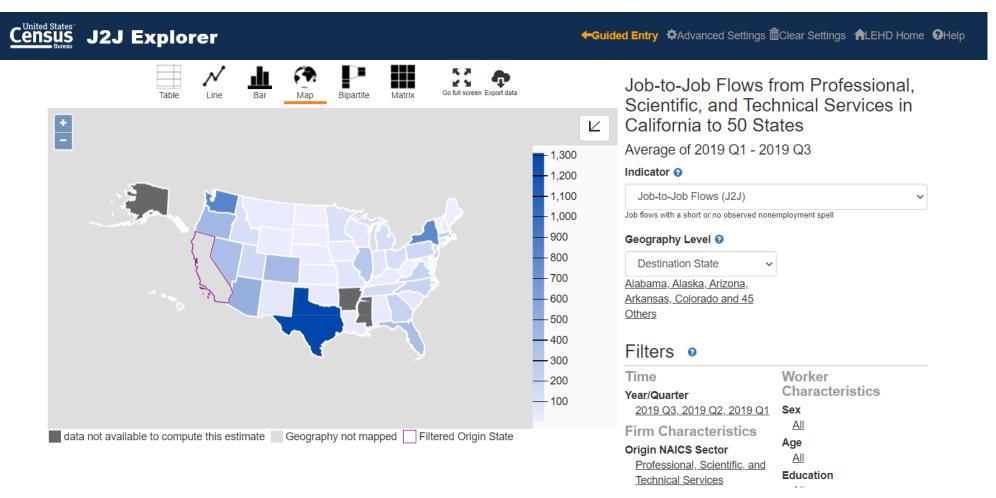


Start with the Guided Entry



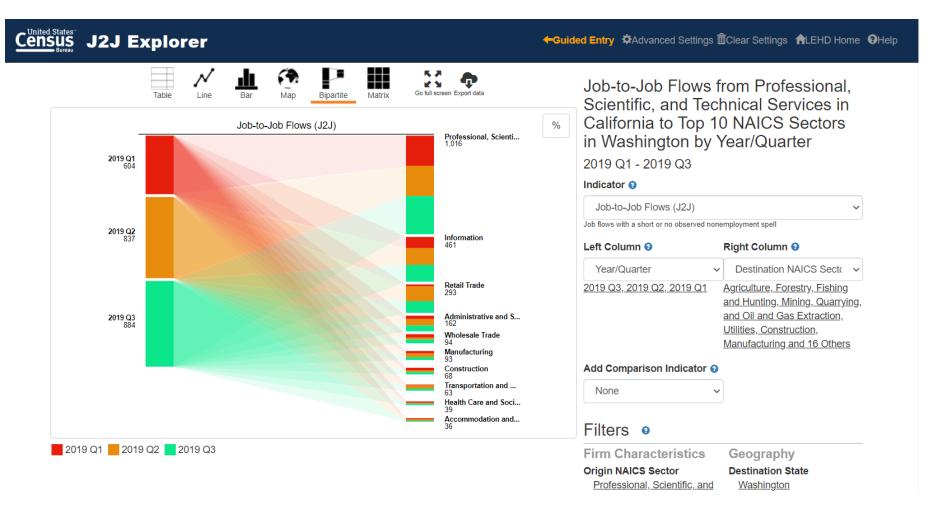


J2J Explorer



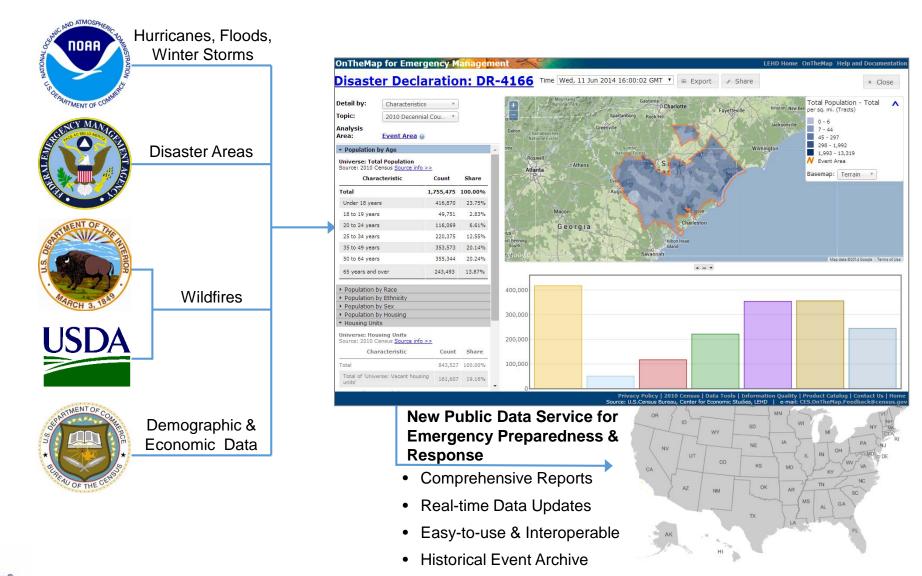


Bipartite





OnTheMap for Emergency Management



Flexible Analyses & Visualizations





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

Before

After

Event Types

Uncertainty)

Likely

Winter Weather

Perimeter

✓ Wildfires

□ Floods

Current Wind Radii

Forecast Area (Cone of

Occurring or Imminent

Forecasted Snowfall

COVID-19 Pandemic

Basemap: Terrain *

Zoom To: AK HT HS

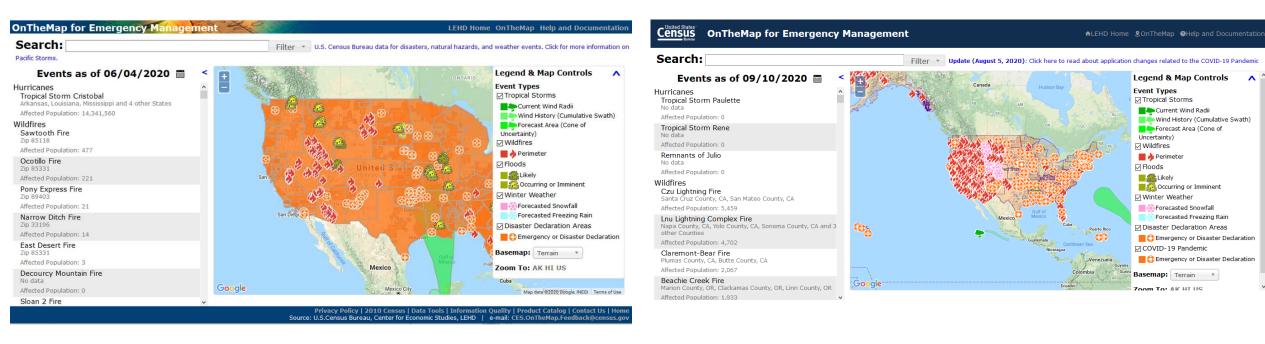
☑ Disaster Declaration Areas

Forecasted Freezing Rain

Emergency or Disaster Declaration

■ Emergency or Disaster Declaration

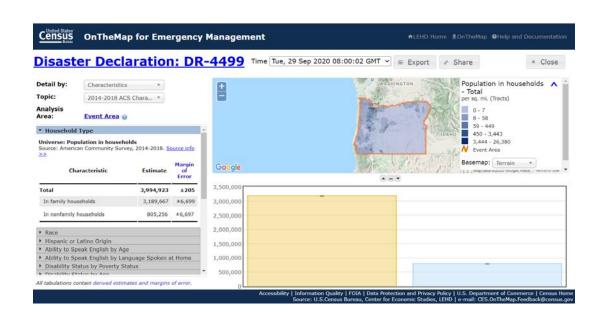
Wind History (Cumulative Swath)





OnTheMap for Emergency Management

FEMA DR-4499





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





Post Secondary Employment Outcomes - PSEO

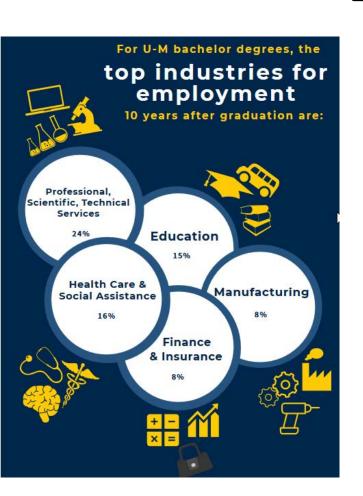
A joint pilot project between university systems, state higher education systems, and the Census Bureau, the Post-Secondary Employment Outcomes (PSEO)are experimental tabulations providing national earnings statistics for graduates of post-secondary institutions.

- PSEO Provides
 - 25th, 50th, and 75th percentiles of annual earnings for college and university graduates.
 - Employment by industry and region of the country.
 - By degree level, degree major, and post-secondary institution.
 - One year, five years, and 10 years after graduation.

- Current PSEO partners:
 - The University of Texas system (2017)
 - Colorado Department of Higher Education (2017)
 - University of Michigan, Ann Arbor (2018)
 - University of Wisconsin, Madison (2018)
- Future Partners
 - Ohio
 - New York



LED in Action







Arts & Culture · Business & Economy · Education & Society · Environment · Health · Law & Politics · Science & Technology · International

Professional services, health care top industries for U-M graduates

ANN ARBOR—Ten years after earning a bachelor's degree from the University of Michigan, more graduates work in professional, scientific and technical service fields than any other classification.

The data were released today through a collaboration between U-M, the Institute for Research on Innovation and Science (IRIS), and the U.S. Census Bureau. IRIS partners with the U.S. Census Bureau to link data from participating universities to the Census Bureau's Longitudinal Employer-Household Dynamics dataset to produce detailed employment and geographical information on alumni. The data covered from 2001 to 2015.

U-M has publicly released data on the industries in which their graduates work. For bachelor's degree graduates (across all fields and years), the top industries for employment 10 years after graduation were:

August 6, 2019

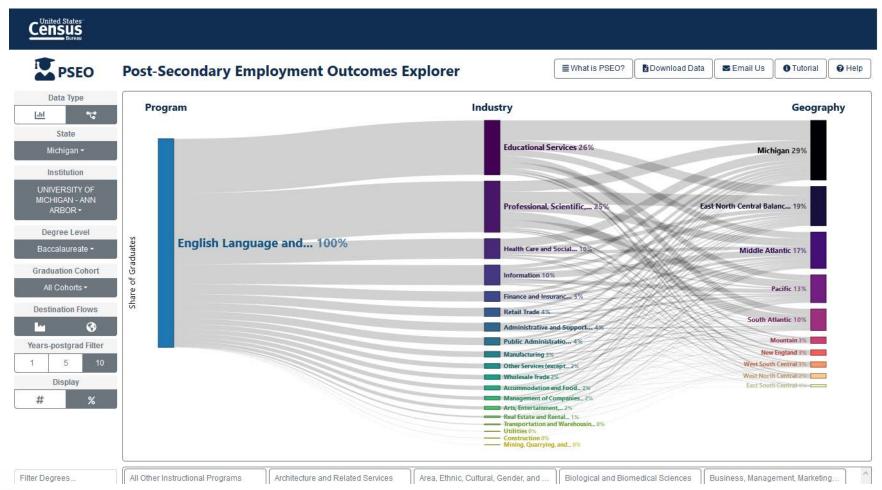
Contact: <u>Greta Guest</u> gguest@umich.edu, <u>Dan Meisler</u> dmeisler@umich.edu

Share on: **y** f in

https://news.umich.edu/professional-services-health-care-top-industries-for-u-m-graduates/



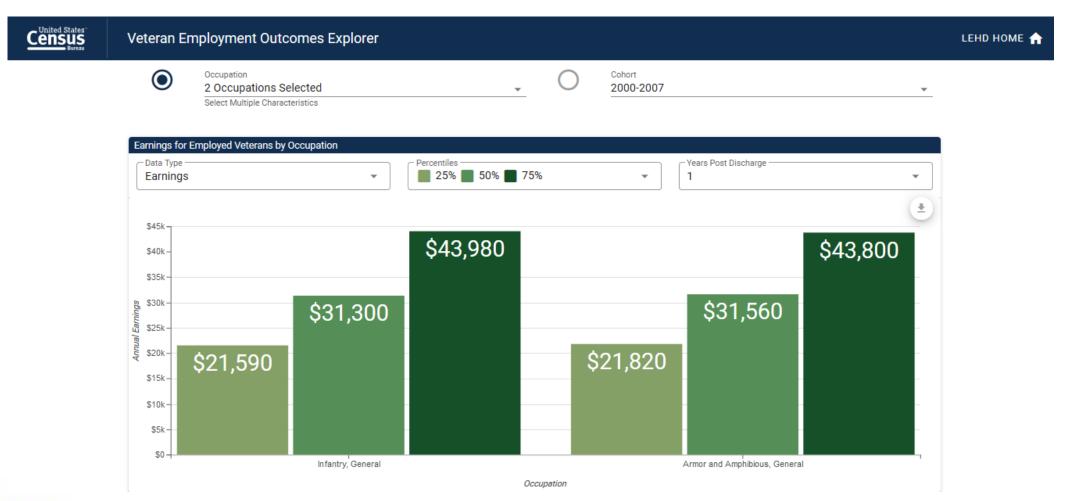
PSEO Explorer





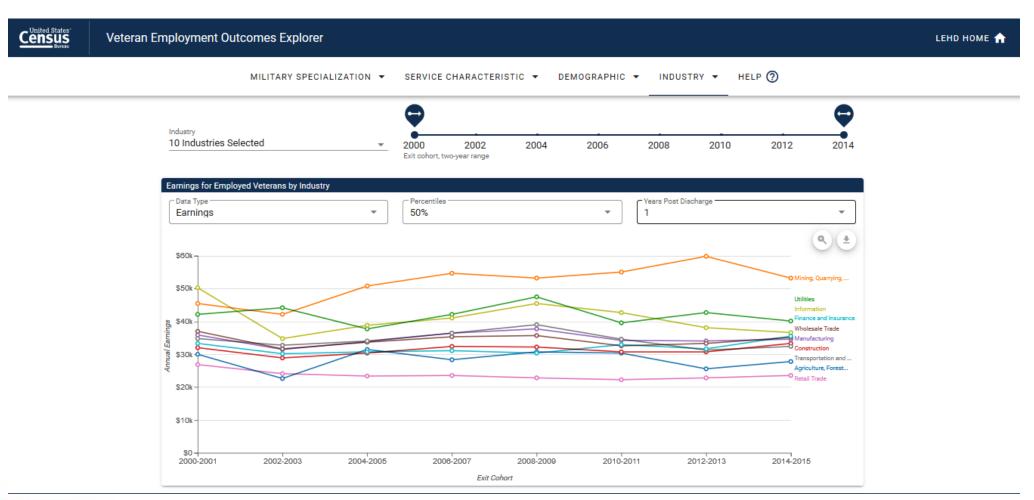


Veteran's Employment Outcome



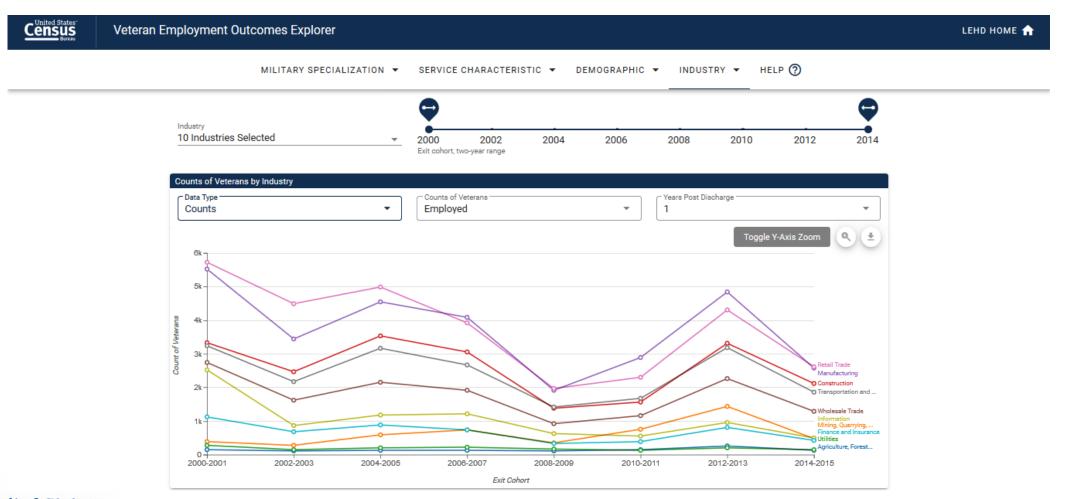


Industry





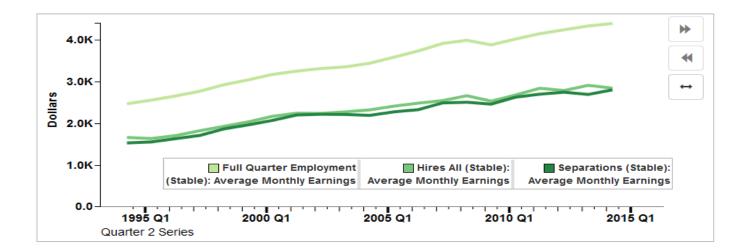
Employment Rates





Takeaways: Why Are LED Data Tools Important?

- Accessibility
- "Explorability"
- Provide context
- Visualizations lead to insight
- Promote/market the data
- Provide "value-add" for our state partners





Q & A and Thank You!

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