Analyzing Workforce Trends Using the Longitudinal Employer-Household Dynamics Data Products

2024 Goldschmidt Data Immersion Workshop

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March 5, 2024

US Census Bureau







LEHD Program

Outline

- I. LEHD Program and LED Partnership
- II. Data Products and Tools and more

LEHD.CES.Census.Gov

- To review past
 webinars please visit
 the <u>Learn More</u> for
 more information.
- Find stories on how LEHD data is being used on our <u>LED in</u> <u>Action</u> tab.
- <u>2024 LED Partnership</u>
 Virtual Workshop



LEHD Program and Data Products







Program and Partnership

The LEHD Program

LEHD Program

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

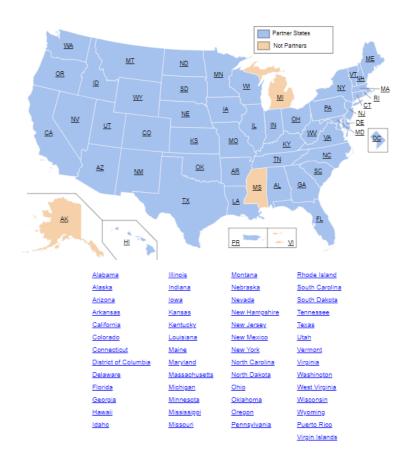
Firm Data

Person Data

New linked national jobs data for the U.S.

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

The LED Partnership







Longitudinal Employer-Household Dynamics

(LEHD)

Data Product	Explore the data, answer questions, or get visualizations	Bulk data for use in analysis process/software	Live queries for building web applications
Quarterly Workforce Indicators (QWI)	<u>QWI Explorer</u>	LED Extraction Tool Raw data download	Census Bureau API
LEHD Origin-Destination Employment Statistics (LODES)	OnTheMap OnTheMap for Emergency Management	Raw data download LED Extraction Tool – Coming soon	Future development
Job-to-Job (J2J)	Job-to-Job Explorer	LED Extraction Tool Raw data download	Future Development
Post-Secondary Employment Outcomes (PSEO)	<u>PSEO Explorer</u>	Raw data download	Census Bureau API
Veteran Employment Outcomes (VEO)	<u>VEO Explorer</u>	Raw data download	Future Development



QWI Explorer



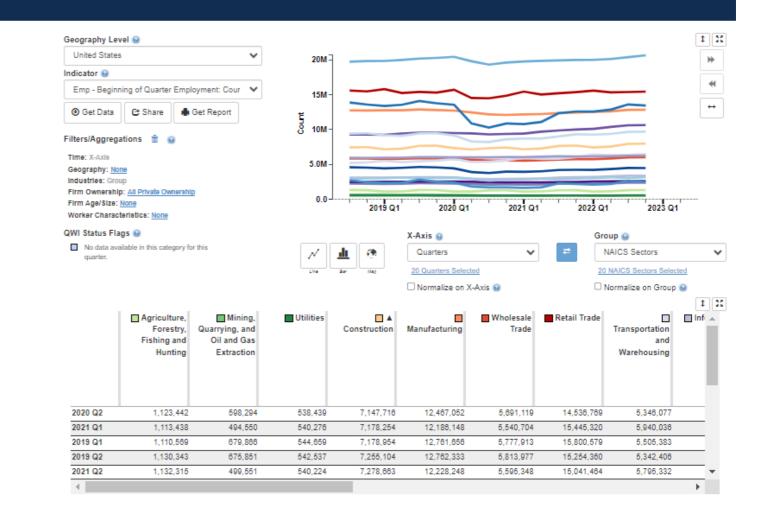


CE

QWI Explorer

Census

QWI Explorer







LEHD Program

Normalizing the X-Axis

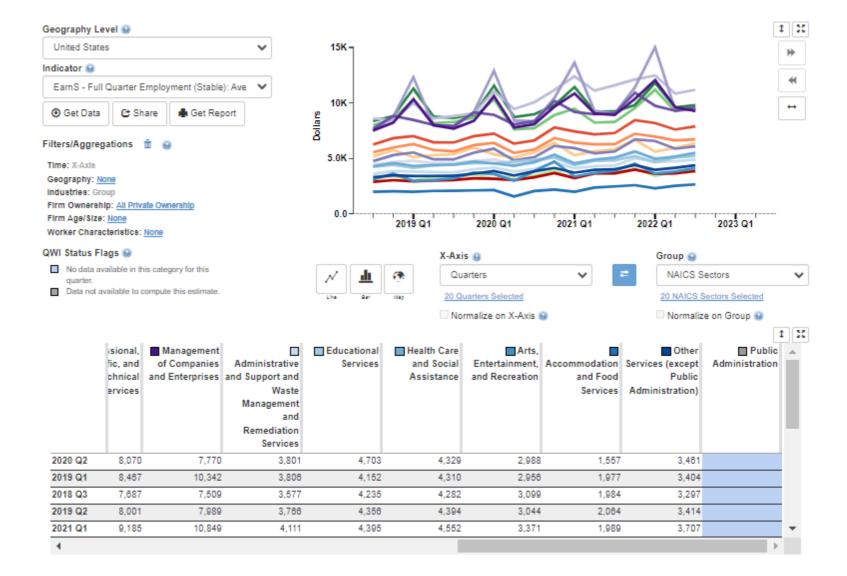






LEHD Program

Earnings by Industry



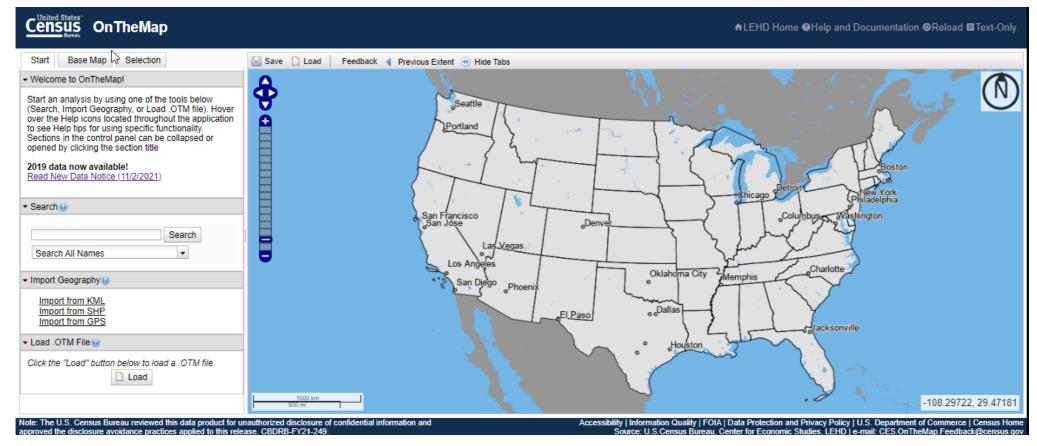


OnTheMap and OnTheMap for Emergency Management





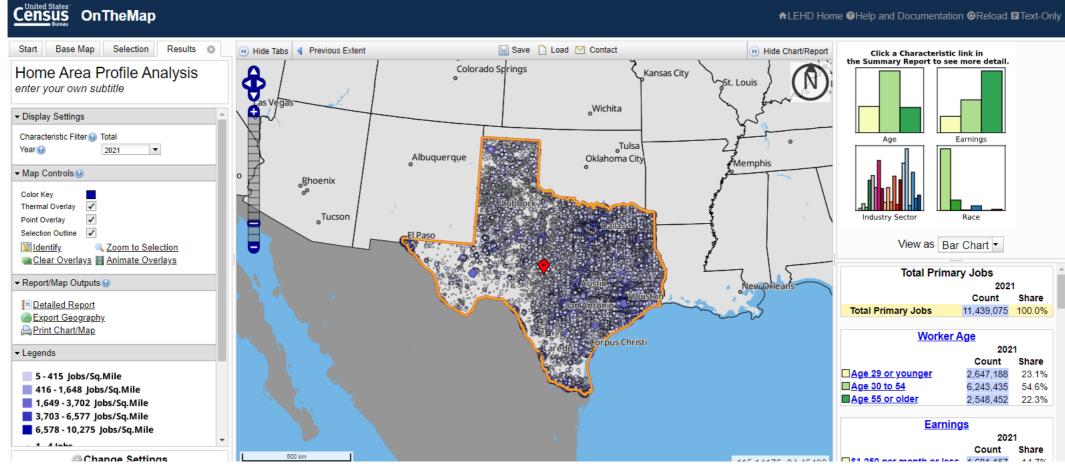
LODES Data and OnTheMap





Cunited

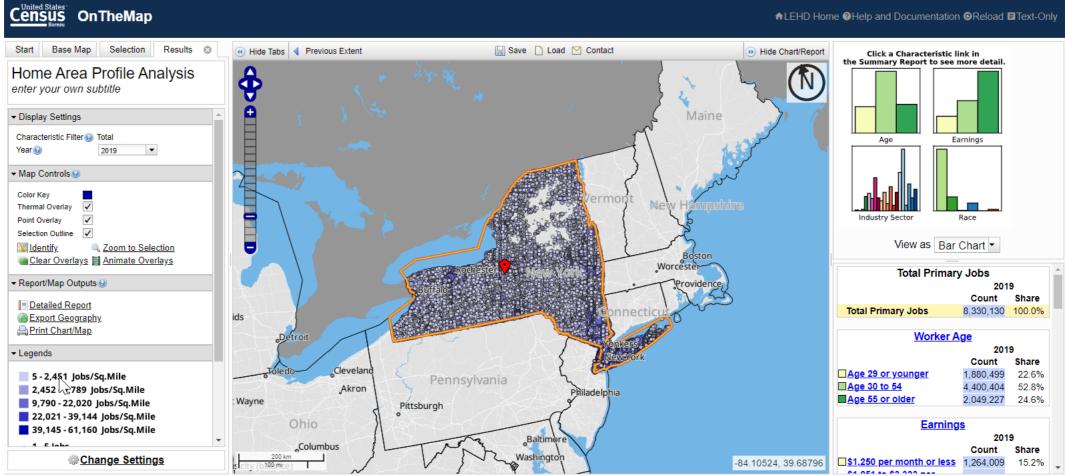
Home Area Profile Analysis





A100 / T

Home Area Profile Analysis





OnTheMap for Emergency Management

Program

Hurricanes, Floods, Winter Storms



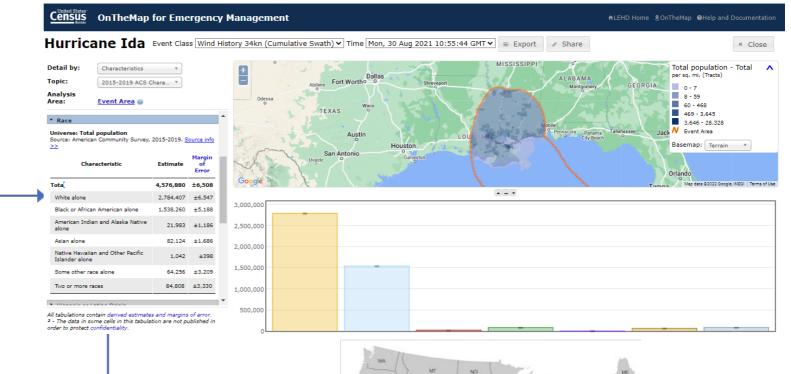
Disaster Areas



Wildfires







New Public Data Service for **Emergency Preparedness &** Response

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



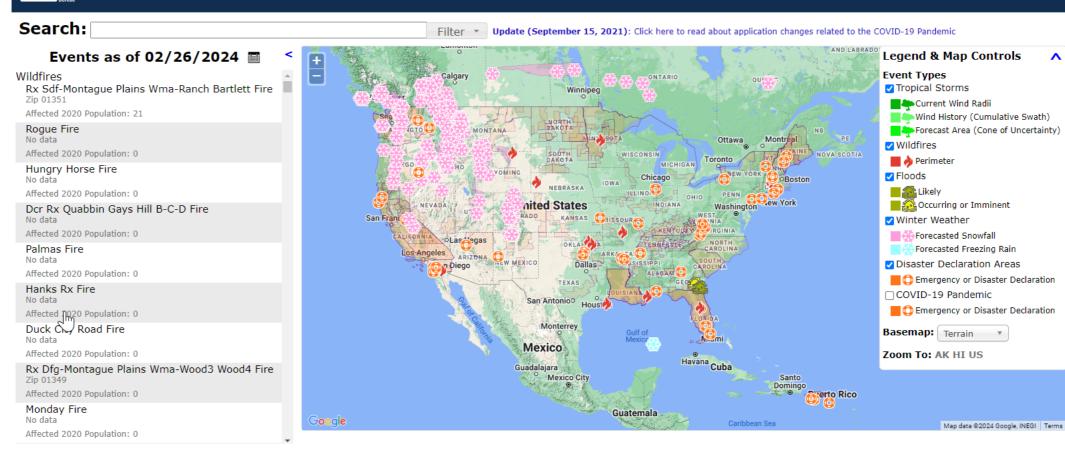
U.S. Department of Commerce **Economics and Statistics Administration U.S. CENSUS BUREAU** census.gov



LEHD Program

Census OnTheMap for Emergency Management

♠LEHD Home **②**OnTheMap **②**Help and Documentation



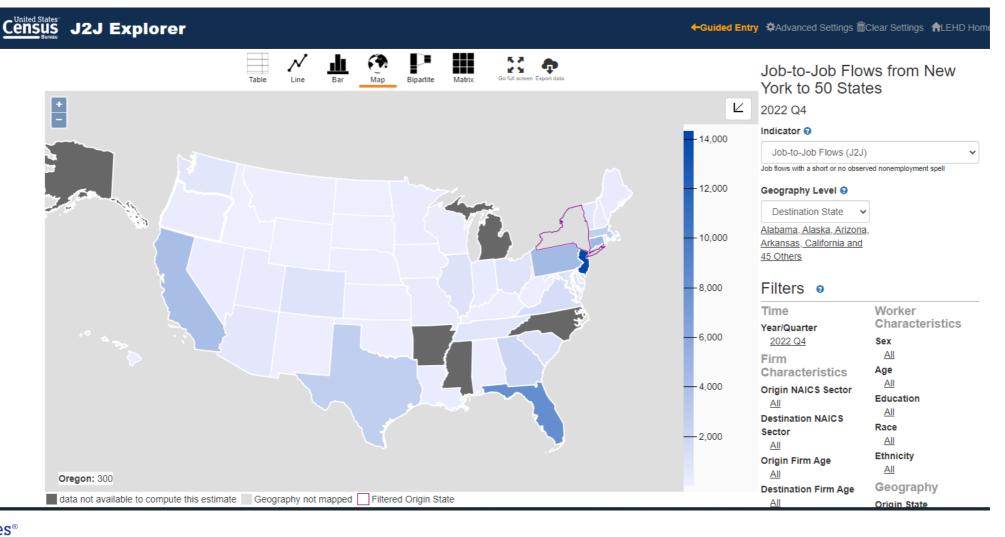


J2J Explorer





J2J Explorer Workers Leaving New York





Cer

Flows from New York into Industries

Census J2J Explorer ←Guided Entry Advanced Settings
Clear Settings ★LEHD Home
Help Go full screen Export data Job-to-Job Flows from New **Program** York to 20 Industries in 6 States Job-to-Job Flows (J2J) Agriculture, Forestry.. 2022 Q4 California 10.7% Mining, Quarrying, a... 0.2% Indicator 9 Connecticut 12.1% Construction Job-to-Job Flows (J2J) Manufacturing 3.5% Job flows with a short or no observed nonemployment spell Wholesale Trade Left Column 9 Right Column 9 Retail Trade Florida 21.3% Destination State Destination NAICS V Transportation and ... California, Connecticut Agriculture, Forestry, Florida, New Jersey, Fishing and Hunting, Pennsylvania and 1 Mining, Quarrying, and Oil and Gas Extraction. Others Finance and Insurance Utilities, Construction, New Jersey 38.9% Manufacturing and 15 Real Estate and Rent... <u>Others</u> Professional, Scienti... Add Comparison Indicator Management of Com.. 2.2% Pennsylvania 11.7% Administrative and S... None **Educational Services** Filters 9 Health Care and Soci.. Time Worker



Characteristics

Sex

Year/Quarter

2022 Q4

Arts, Entertainment,

Accommodation and..

Employment Outcomes

PSEO & VEO

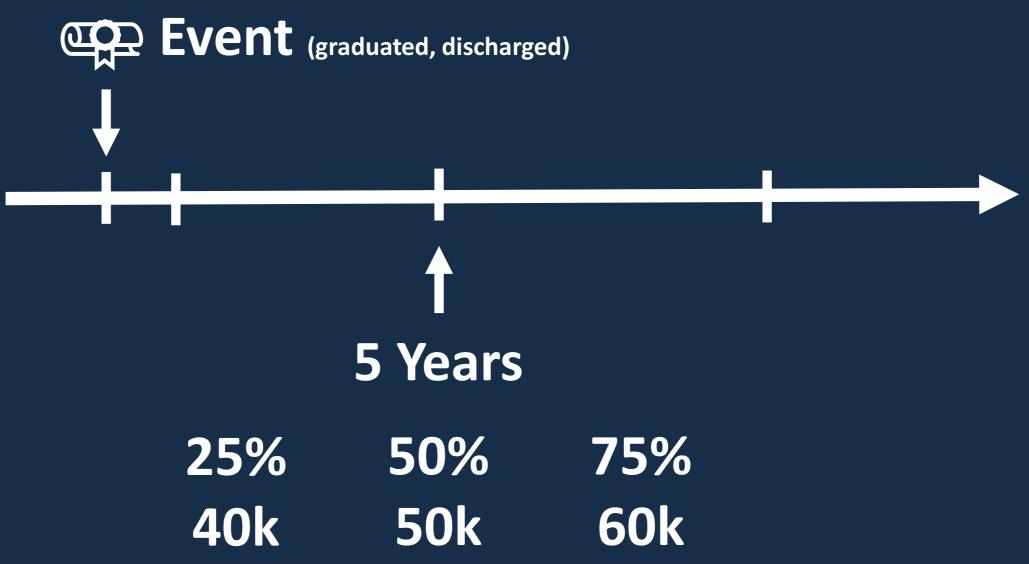




Career Timeline



Employment Outcomes



Veteran Employment Outcomes & VEO Explorer

Direct link: VEO Explorer

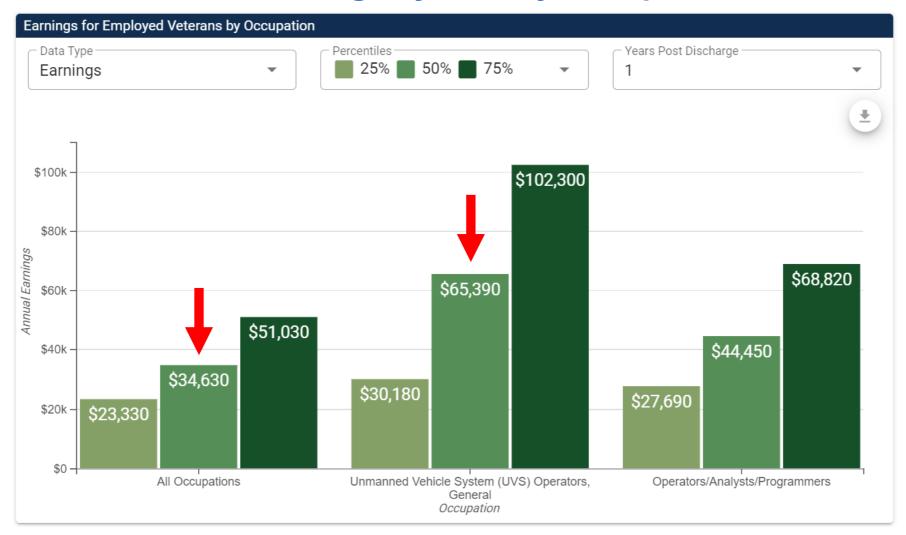
or

Search: "census veteran employment"



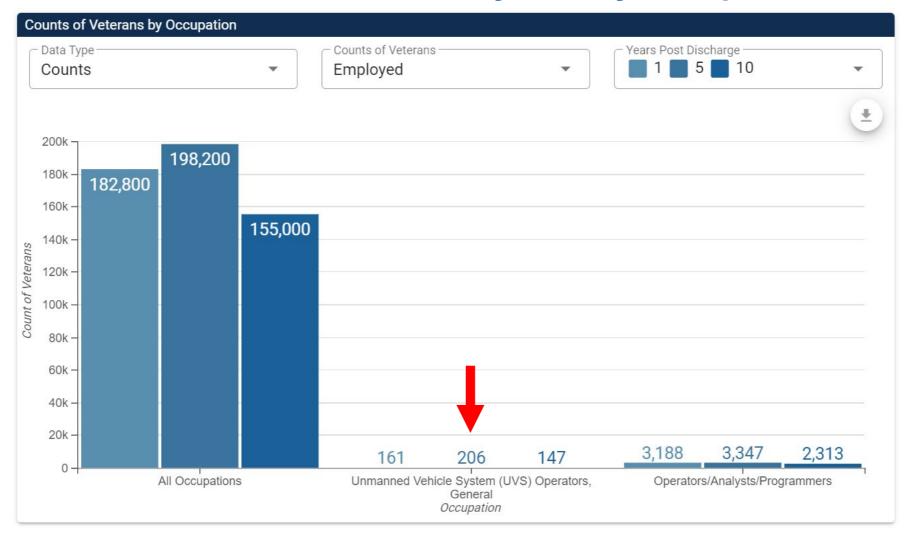


VEO Earnings by Military Occupation



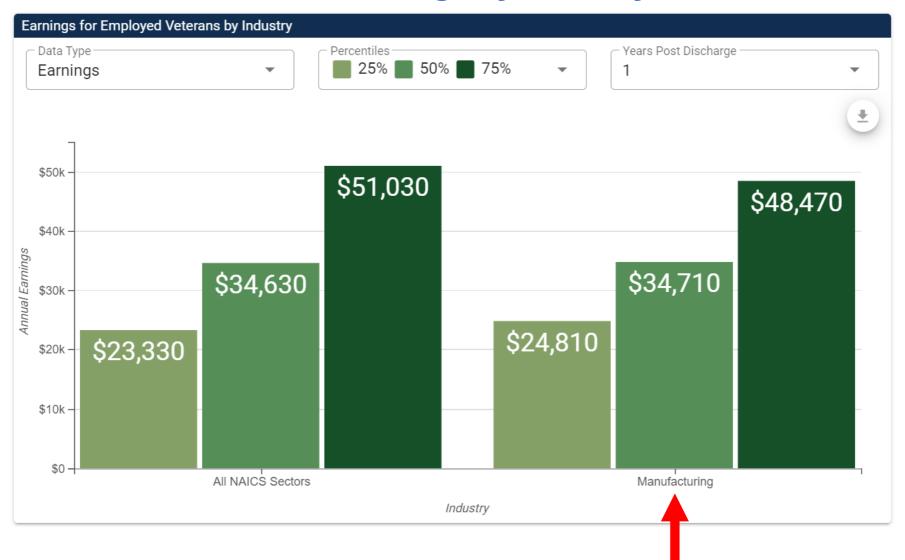


VEO Counts of Veterans by Military Occupation





VEO Earnings by Industry





What's New

- Current: Only available for Army veterans
- Future: All military branches

- Current: Completed service between 2000-2015
- Future: More recent



Post-Secondary Employment Outcomes & PSEO Explorer

Direct link: PSEO Explorer

or

Search: "census college employment"





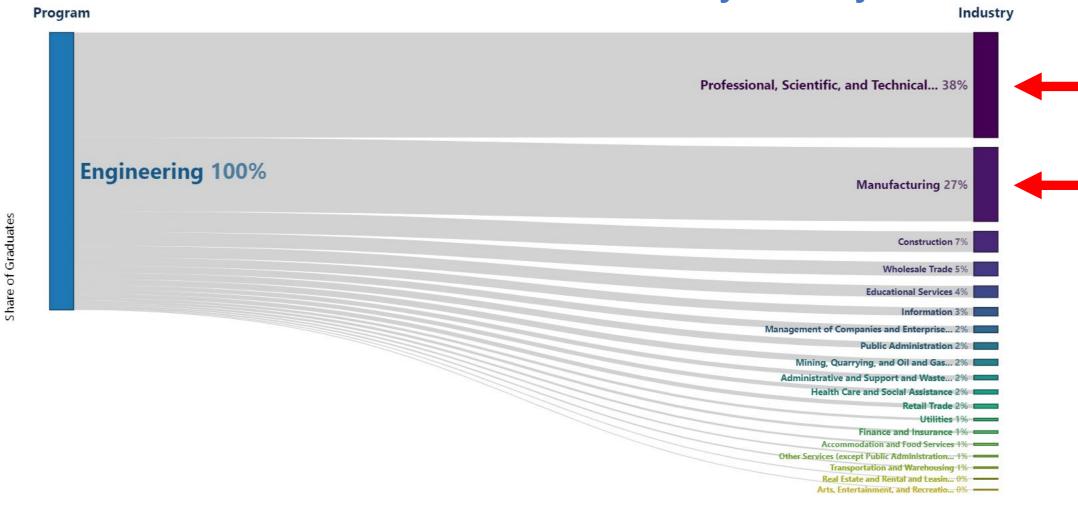








PSEO Flows – Number of Graduates by Industry





Data Coverage

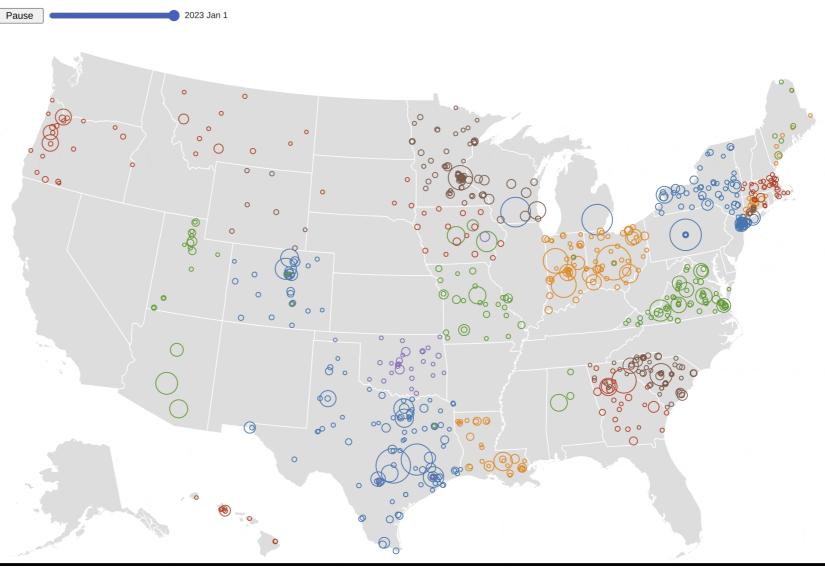
825 Institutions

~29% of all graduates

Degree level

All Degree Levels

State coverage may vary*





What's New

• 7 partners (groups of institutions) joined in the last year

- State aggregations
 - "What's the average salary for a BA in journalism from a college in Colorado?"



PSEO vs Other

- College Scorecard
 - Restricted to federal aid recipients, may not be representative
 - All enrolled students no distinction for graduates
- PayScale
 - Voluntary self-reported
- State Data
 - Can't follow students who cross state lines
- PSEO isn't perfect (e.g. self-employment)





Summary and Resources

Help and Documentation

Quarterly Workforce Indicator

<u>lehd.ces.census.gov/applications/help/qwi_explorer.html</u>

Job-to-Job Flows

<u>lehd.ces.census.gov/applications/help/j2j_explorer.html</u>

OnTheMap

lehd.ces.census.gov/applications/help/onthemap.html

OnTheMap for Emergency Management lehd.ces.census.gov/applications/help/onthemap_em.html

Post Secondary Employment Outcomes lehd.ces.census.gov/data/pseo_experimental.html



Veteran Employment Outcomes lehd.ces.census.gov/data/veo_experimental.html

Q & A and Thank You!

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For detailed questions concerning the 2020 Decennial, contact: 301-763-INFO or 800-923-8282

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