### What's New In QWI, LODES/OnTheMap, Job-to-Job Flows, PSEO, and plans for the future

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Any opinions and conclusions expressed herein are those of the author and do not represent the views of the U.S. Census Bureau. All tables and figures use data that is publicly available.



## Updates!

- QWI Puerto Rico
- PSEO
- Exciting future product developments



## QWI Puerto Rico



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Source: U.S. Census Bureau, Quarterly Workforce Indicators.





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census.gov





# Post-Secondary Employment Outcomes (PSEO)



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### Upcoming PSEO Systems Release in June 2023

- Minnesota Office of Higher Education
- University of Wisconsin System
- Georgia Independent College Association
- Wyoming Community College
  Consortium
- Illinois Board of Higher Education
- South Carolina Commission on Higher Education





## What's Next for PSEO

- 6 new systems to be released in June 2023
- Work on expanded statistics including earnings by race/ethnicity and gender
- Updated flows data that include state x industry flows



## Upcoming product development



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## Upcoming product development

- VEO Expansion
  - Recently, Census signed an MOU with Department of Defense to ingest all discharged military veterans in an effort to track economic outcomes of veterans.
  - As part of that effort, VEO will expand to cover all military branches.
- Unemployment Insurance Claims (UIEO)
  - 7 states have provided us with Unemployment Insurance claims, which will allow us to look at employment outcomes of those who file claims.



## Over to Matt Graham



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## Frames



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#### Enhanced Job Frame **Overall Design:**





W2 jobs

#### Enhanced Job Frame Future anticipated use cases

#### Fully national jobs frame covering all wage & salary jobs + gig and self-employment:

- New input data for statistical products like PSEO
- True metro-area statistics (difficult with voluntary state frame as many metro areas cross state boundaries)
- Stable provision of national employment indicators (avoid data delays when many MOUs expire at once)

#### Better business list comparisons:

• Use W2-UI links to improve Census Business Frame, with more timely QCEW information

#### Could potentially create a quarterly combined frame, allowing for more high-frequency statistics:

• 90% of wage and salary jobs can be matched to quarterly LEHD, could impute the rest



### Enhanced Job Frame





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## **Big Frames Updates**

- Prototype Self-Employment Frame to be done in October 2023
- Currently working on updating the U2W imputation method, which will have effects on the current production U2W procedure



# Snapshot



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## Updated Snapshot available in FSRDC

- Streamlined the documentation (https://lehd.ces.census.gov/data/lehd-snapshot-doc/latest/)
- Snapshot will now have an annual release
- Reduced the number of files in the snapshot, but increased the ease of use of those files



# 2023 LED Workshop What's New Slides (Part 2)

Matthew Graham

March 28, 2023



## Topics in Part 2

- LEHD Snapshot
- Job Frame Update
- Applications and Data Dissemination



## LEHD Snapshot

- What is it? Why do we produce it?
  - A curated extract of the LEHD data infrastructure. Used to provide access to researchers.
- Snapshot vs. MOUs?
  - The Snapshot is the *means* by which we provide data from LEHD to *approved* projects in the FSRDC. <u>https://www.census.gov/about/adrm/fsrdc.html</u>
- What are the important changes with this release?
  - Slimmed down Snapshot & Documentation
  - Organized into useful packages:
    - Jobs
    - Employers (both non-FTI and FTI)
    - Worker Demographics
    - Residence



## What Is the LEHD Snapshot?

- Data *and* Documentation (including a code book)
- Snapshots were previously released in:
  - 2008 (S2004)
  - 2010 (S2008)
  - 2013 (S2011)
  - 2016 (S2014)
- Newest: 2022 (S2021\_R2022Q4)





## New Snapshot Documentation

- Web-based and easier to use!
  - Still a working paper to cite: <u>https://www.census.gov/library/working-papers/2022/adrm/CES-WP-22-51.html</u>
- Will be updated annually with the Snapshot
- Publicly available at: <u>https://lehd.ces.census.gov/data/lehd-</u> <u>snapshot-doc/latest/</u>





## Update on Job Frame

- Overview
  - Quick review of what Frames Program is
  - Projects for the Job Frame/LEHD
    - Self-Employment Prototype
    - W-2 Prototype
    - Long term streamlining of LEHD Production activities





## Frames: Macro Perspective

Bureau



#### Enhanced Job Frame **Overall Design:**





W2 jobs

## Current Job Frame Projects

- Self-Employment
  - Goal: Create a functional prototype of a self-employment job file by end of FY23.
  - Being built to feed into data products like PSEO and LODES
  - Currently working out challenges of self-employed households and spouses
- W-2-sourced Employment
  - Goal: Create a functional prototype of a W-2-based job file by end of FY24.
  - Currently working on updating method by which jobs are assigned to establishment locations (significant knock-on effect for LEHD data infrastructure)
- Long term streamlining of LEHD Production activities



## Applications and Data Dissemination

- Past Year's Accomplishments
  - Regular Data Updates in Applications/API:
    - PSEO
    - QWI
    - J2J
  - LED Extraction Tool Changes (<u>https://ledextract.ces.census.gov/</u>)
    - Added J2J data (new part of the application)
    - Also some general user interface improvements
- New data and application changes will be covered in training sessions on Thursday (3/30)



## Applications and Data Dissemination

- Coming This Year
  - LODES Data
    - 2020: Releasing NEXT WEEK on April 4.
    - 2021: Later in 2023
  - OnTheMap
    - Updates related to new data (geography)
    - Minor application tweaks/updates over the next several months
    - Application redesign? More about that in the afternoon session ("LODES Spotlight").
  - OnTheMap for Emergency Management
    - Data update (LODES/ACS/Decennial) in June
  - Other tools should be stable this year



## Training Schedule (Thursday)

12:00-1:15	PSEO	LODES/OnTheMap			Agreement FAQs
1:30-2:45	PSEO		QWI	J2J	
3:00-4:15		LODES/OnTheMap	QWI	J2J	

Meeting links are supplied in the online workshop agenda.

