Introducing J2J Explorer!
An innovative data tool on the statistics of worker reallocation in the United States.

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Overview of Webinar:

Overview of the data

J2J Explorer

Taking the data for a drive:

- Which states are newly hired workers in Georgia coming from?
- Are workers in Missouri being hired from nonemployment or another job?
- Which age groups are driving working reallocation out of New England?

Accessing the J2J data files
Job-to-Job Flows (J2J) fills an important data gap:

In 2000, about \( \frac{1}{2} \) of all hires were workers moving from one job to another.

- Most job vacancies are not for entry-level workers

Most job moves are moves ‘up the job ladder’

- \( \frac{1}{2} \) of wage growth for young workers is from job change (Topel & Ward, 1992).
- Procyclical worker reallocation from lower paying to higher paying firms (Haltiwanger, Hyatt, & McEntarfer, 2015; Kahn & McEntarfer, 2014).
National Job-to-Job Flows: Steep decline in job change in last two recessions

Note: Source: Job-to-Job Flows, national data. Shaded regions indicate NBER recession quarters. All data are seasonally adjusted.
Some examples of how the data can be used:

Better understand worker turnover
- Job-to-job moves vs. separations to nonemployment
- Can also use origin-destination (OD) data to look at workers moving from one industry to another

Look at economic migration across labor markets
- To what labor markets are we losing workers? Which workers? What industries in my state are importing workers from other states?
Key J2J Files:

**Count and rate files**
- Flows from/to jobs
  - Hires
  - Separations
- Flows from/to nonemployment
  - Hires
  - Separations
- Currently available by:
  - National and state
  - By worker demographics
  - By industry sector, firm age and size
  - Seasonally adjusted and not seasonally adjusted data

**Origin-destination files**
- Job-to-job flows
  - Currently available by:
    - Origin state and industry by destination state and industry
    - Origin state to destination state by worker demographics
    - Origin state and (firm age/size) by destination state and (firm age/size)
Key J2J Indicators:

Count and rate files

Flows from/to jobs
- Hires = J2JHire
- Separations = J2JSep

Flows from/to nonemployment
- Hires = NEPersist
- Separations = ENPersist

Origin-destination files

Job-to-job flows = J2J
Basic J2J Indicators:

- J2J Hire
- J2J Separation
- NE Persist
- EN Persist

These are highlighted in Red on the next page.
All J2J Indicators:

Job-to-Job Flows (J2J) Measure Relatedness Diagram

- RATES
- ORIGIN-DESTINATION (OD)

Legend:
- * Contributed to
- ----- Equivalent
- * Published J2J measure
- * Constructed in J2J Explorer
- * Not in raw data files
- * Conceptual remainder
- * Not currently implemented

Explanation of Rates Measures:
- Most Count measures have comparable Rate measures, which are constructed by dividing the Count measures by the Base.
- The Base for all rates is (Main + Main(1)/2).
- Examples: MIHire = MIHires((Main + Main(1)/2).
- Exceptions are Main, Main(1), and the Remainders.
- Availability of Rate measures in J2J Explorer and raw data are the same as the comparable Count measures.

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
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Job-to-Job Flows Explorer

- Interactive analysis tool offers 6 different visualization types plus exports.
- Can query and visualize all of the existing J2J data as of release R2016Q2 (except seasonally adjusted series).
- Will be released the first week of January.
- Guided Entry offers easy way to jump into the data.
J2J Explorer Demos

- Demos will largely be based upon J2J Analysis Guides that have been developed as tools for learning about the application.
- Analysis guides are located on the J2J Explorer help pages. (Coming Soon!)
Starting with the Guided Entry

Guided Entry

1. Start Here
   Frame your question by selecting from the three drop-downs below then click one of the blue links on the right to go to your customized results.

   - Hires to
   - Georgia
   - All NAICS Sectors

2. Then Choose an Analysis
   - Analysis of Job-to-Job Flows
     - From (Origin Job)
     - To (Destination Job)
     - Which States?
     - Georgia
     - Which Industries?
   - Analysis of Hires Over Time
     - Are hires to jobs in Georgia coming from nonemployment or another job?

Not sure? Try one of these recommended options:

- Which age groups are driving worker reallocation out of New England states?
- Are workers without a college degree in North Dakota more likely to be hired from another job or from persistent nonemployment?
- What states and firm ages are workers in California start-ups hired from?
- Which industries have the highest connectivity in terms of national job flows?
Workers hired into Georgia from Which States?

Job-to-Job Flows Explorer (Beta)

Job-to-Job Flows from 50 States to Georgia
2015 Q2
Indicator
Job-to-Job Flows (J2J)
Job flows with a short or no observed nonemployment spell
Geography Level
Origin State
Alabama, Alaska, Arizona, Arkansas, California and 45 Others
Filters
Time
Year/Quarter
2015 Q2
Firm Characteristics
Origin NAICS Sector
All
Destination NAICS Sector
All
Origin Firm Age
All
Destination Firm Age
All
Origin Firm Size
All
Destination Firm Size
All
Worker Characteristics
Sex
All
Age
All
Education
All
Race
All
Ethnicity
All
Geography
Destination State
Georgia

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Source: U.S. Census Bureau, Center for Economic Studies, LEHD | e-mail CES-J2J.Feedback@census.gov
Hires in Missouri Over Time
Which Workers are Leaving New England?
Click on the Data tab

The newly released Job-to-Job Flows (J2J) data and several LEHD research papers are highlighted in the 2015 Economic Report of the President demonstrating the great value of the LEHD state partnership.

View full summary
View Full Economic Report (4.9 MB)

What's New?

There are no new announcements at this time.

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 Partnership. States 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.
Select the first link in the Job-to-Job Flow (J2J) (Beta) section.

Scroll to the bottom.
Scroll to the selector tool

Select your state/territory

Select j2j for Counts, j2jr for Rates, and j2jod for OD data
Click on View Files

Download J2J data:

Use the selector tool below to choose and download files. Note: xls format is available only for smaller files.

Version: R2D15Q4  State/Territory: Maine  Type: J2J  Format: CSV

View Files

VA.1c-draft 1 Metadata for ME

Note about the data schema: Full descriptions of all categorical variables, measure layouts, and more can be found in the data schema. For the latest version, choose the Version, State/Territory, Type and Format of the data series desired and push the "View Files" button in the selector tool above. A list of files should subsequently appear with two links centered above it. Click on the left link.

Note about data file names: Data files have the following filename structure:

[[TYPE] [GEOHI] [CHAR] [FAS] [GEOI] [IND] [OWN] [SA] [EXT]]

Description of Filename Components

Series type [TYPE]

- $J_2$ = Count data
- $J_r$ = Rate data
- $J_{od}$ = Origin-destination job characteristics data

Geographical unit of analysis [GEOHI]

- us = Nation
- st = Any 2-digit state postal code identifier

J2J (Beta) Help

Learn more about J2J (Beta) by choosing one of the links below.

- Job-to-Job Flows: Quick Start Guide (165 KB)
- Job-to-Job Flows: New Statistics on Worker Reallocation and Job Turnover (279 KB)
- Job-to-Job Flows: Data Dictionary and Schema
Wrap Up

- J2J Explorer will be released the first week of January.
- A version 1.0 of the application (better visualization transitions and better exports) is scheduled for later in the spring.
- The next quarter of J2J data should be released soon (raw files first, then in application).
- The next major upgrade to the J2J data (earnings, MSAs) should be out later this winter.
LEHD: 
lehd.ces.census.gov

J2J Explorer: 
(URL coming soon)

J2J data files: 
lehd.ces.census.gov/data/j2j_beta.html

Questions or comments: 
CES.J2J.Feedback@census.gov.