

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

LED Monthly Webinar
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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:

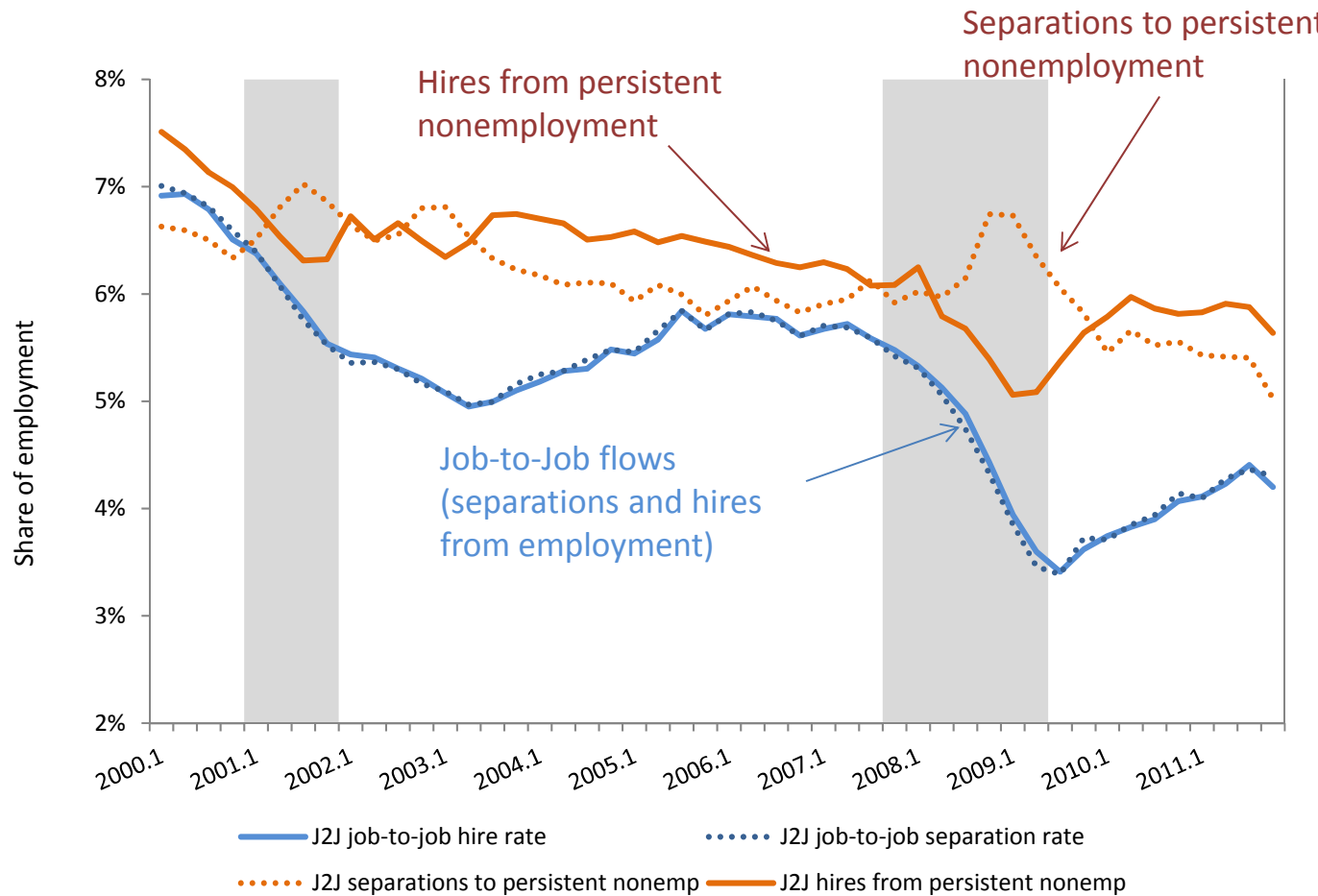
In 2000, about $\frac{1}{2}$ of all hires were workers moving from one job to another.

- 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**

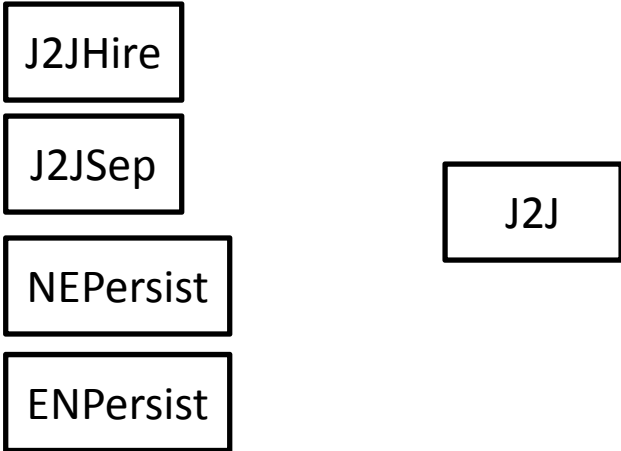
Flows from/to nonemployment

- Hires = **NEPersist**
- Separations = **ENPersist**

Origin-destination files

Job-to-job flows = **J2J**

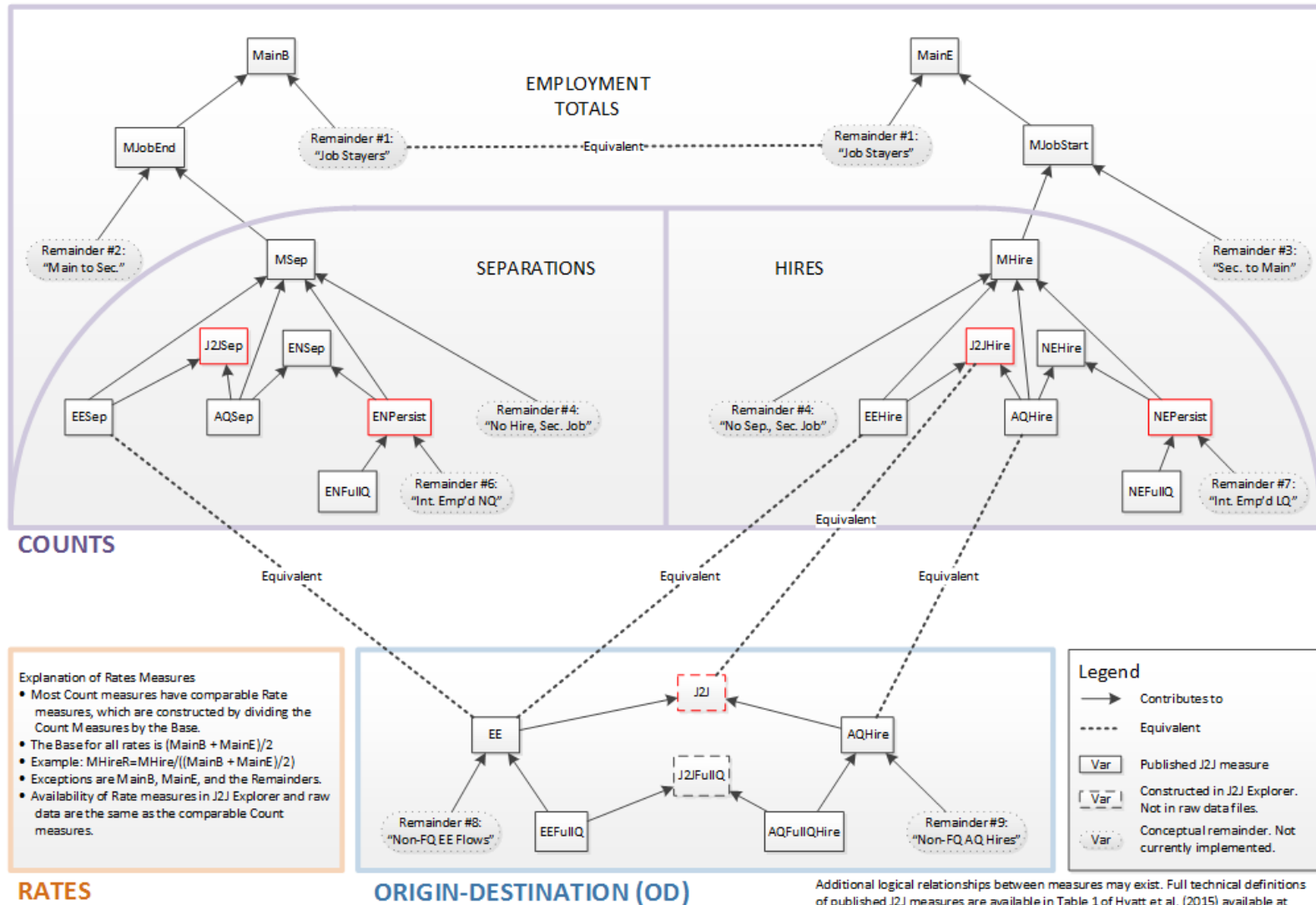
Basic J2J Indicators:



These are highlighted in Red on the next page.

All J2J Indicators:

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



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 dropdowns 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)

 Which States?

 Which Industries?



To (Destination Job)

✓ Georgia

 Which Industries?

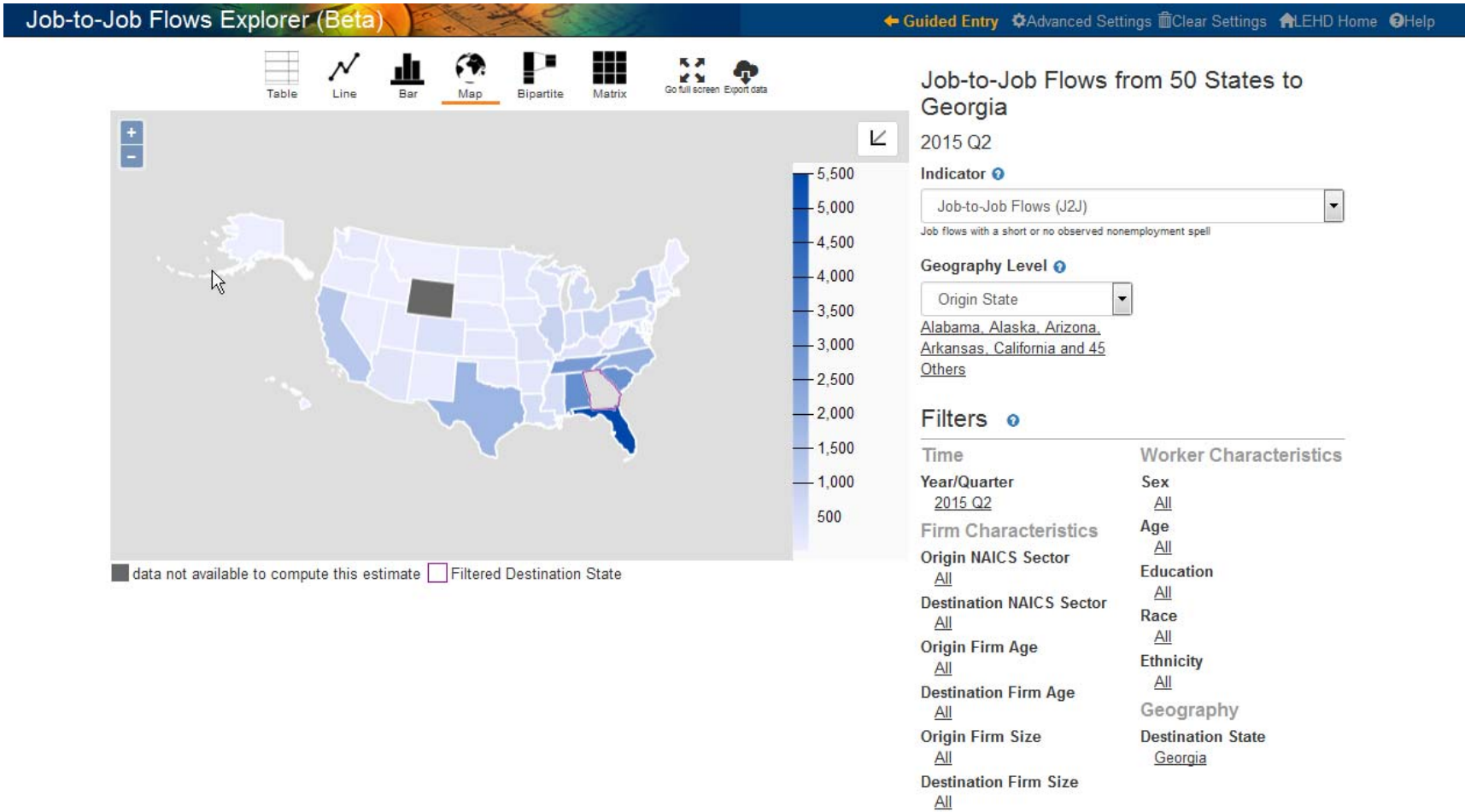
Analysis of Hires Over Time

 Are hires to jobs in Georgia coming from nonemployment or another job?

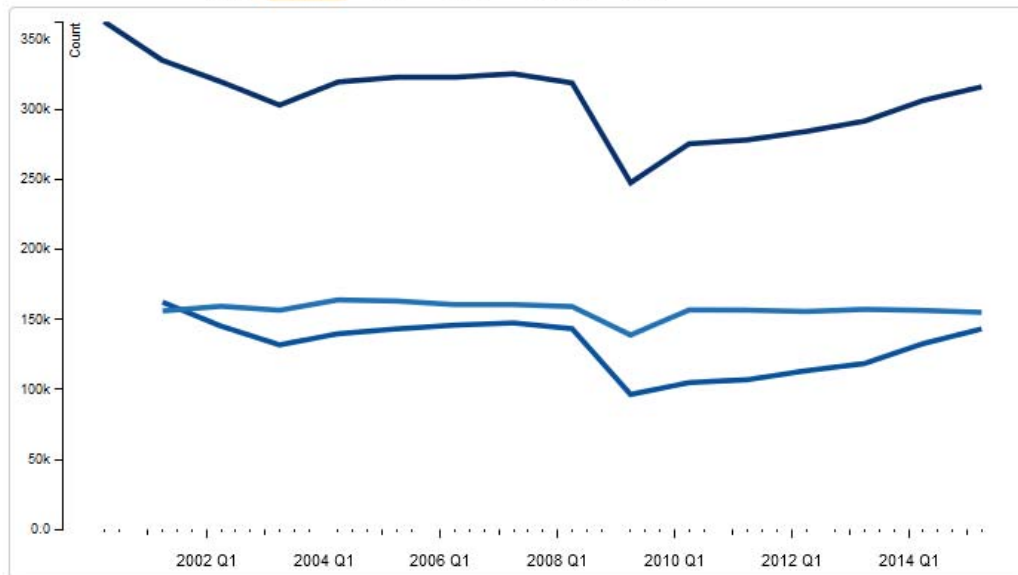
Not sure? Try one of these recommended options:

-  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?



Hires in Missouri Over Time



Quarter 2 Series

■ Hires (MHire) ■ Job-to-Job Hires (J2JHire) ■ Hires from Persistent Nonemployment (NEPersist)

A Comparison of Hires to Jobs in Missouri by Year/Quarter

Q2 Series 2000 - 2015

X-Axis [?](#) Lines [?](#)

Year/Quarter Count Indicators

[2015 Q2](#), [2014 Q2](#), [2013 Q2](#), [2012 Q2](#), [2011 Q2 and 11](#)
[Others](#)

[Hires \(MHire\)](#), [Job-to-Job Hires \(J2JHire\)](#), [Hires from Persistent Nonemployment \(NEPersist\)](#)

Filters [?](#)

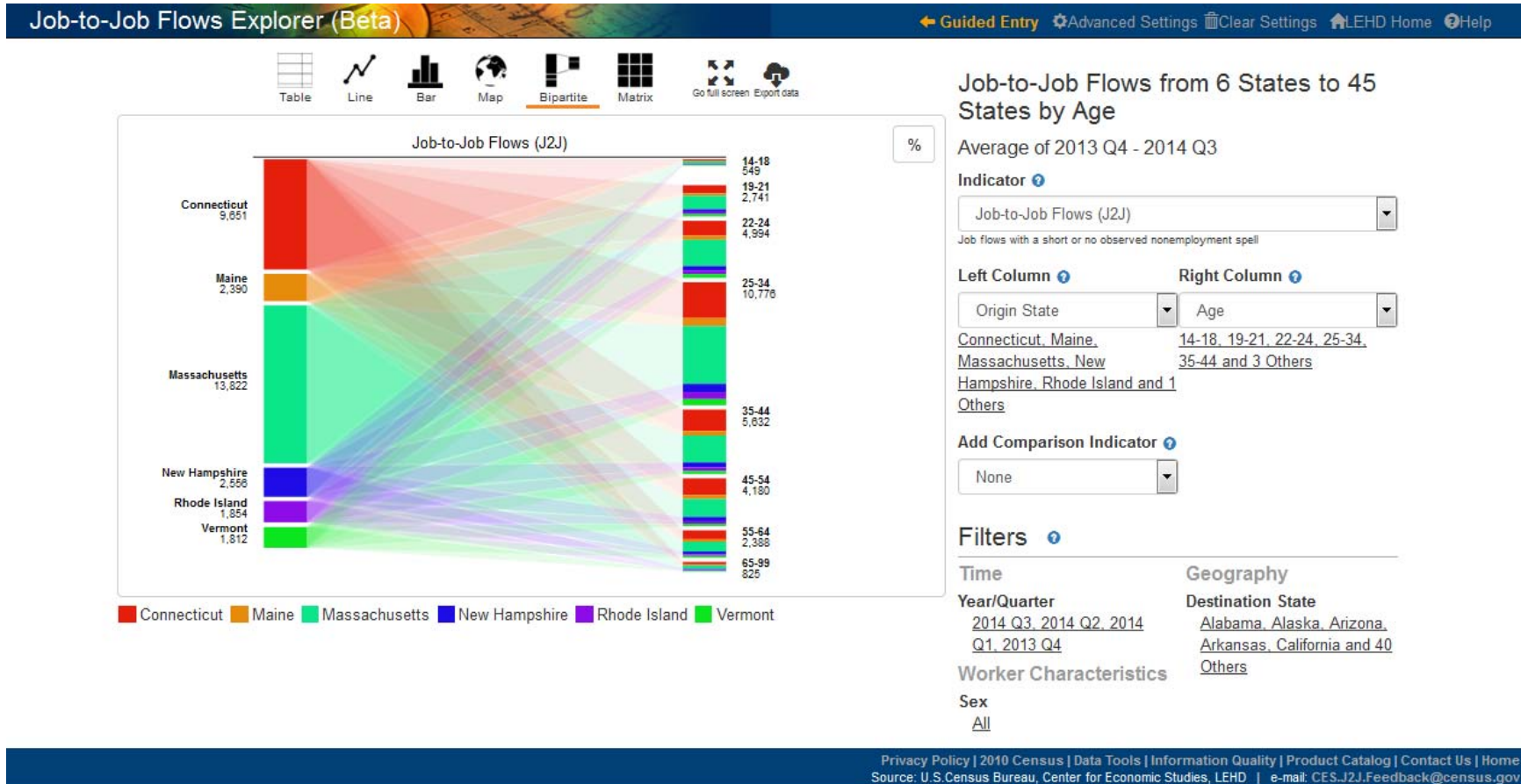
Firm Characteristics

- NAICS Sector [All](#)
- Firm Age [All](#)
- Firm Size [All](#)

Worker Characteristics

- Sex [All](#)
- Age [All](#)
- Education [All](#)
- Race [All](#)
- Ethnicity [All](#)
- Geography
- State [Missouri](#)

Which Workers are Leaving New England?





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Longitudinal Employer-Household Dynamics

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Applications

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

Useful Links

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

Contact Information

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

or

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

[Further contact information](#)

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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)



Source: Hyatt and Spletzer (2013), Bureau of Labor Statistics, Current Population Survey, Bureau of Labor Statistics, Job Openings and Labor Turnover Survey, Census Bureau, Longitudinal Employer-Household Dynamics.

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 \(LED\) 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



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

Scroll to the bottom

Job-to-Job Flows (J2J) (Beta)

Job-to-Job Flows (J2J) is a new set of statistics on worker reallocation in the United States constructed from the LEHD data. The initial release of national data distinguishes hires and separations associated with job change from hires from and separations to nonemployment. Future releases will be published at more detailed levels of aggregations, and will tabulate the origin and destination job characteristics of workers changing jobs.

Documentation and CSV files are available for download here: http://lehd.ces.census.gov/data/j2j_beta.html

To browse the J2J data files in their directory structure or to access them with a FTP program (must be able to access HTTP), go to: <http://lehd.ces.census.gov/data/j2j/>

A web-based data visualization tool will be released in 2015.

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

Restricted-Use Microdata

In addition to the public-use Quarterly Workforce Indicators data and LODES data, LEHD microdata are available for research use in approved projects. Researchers interested in using restricted-use LEHD data must submit a proposal to conduct research at a secure [Census Research Data Center \(RDC\)](#). LEHD data available in the RDCs includes job-level quarterly earnings history data, person-level demographic data, establishment-level firm characteristics, and establishment-level Quarterly Workforce Indicators. Detailed information about restricted-use LEHD data, including available states and years, is on the [CES LEHD Data page](#).

* All CSV files are compressed using a [GZip](#) algorithm, which appends a ".gz" to the end of the filename. Most commonly used compression/extraction software packages can decompress these files (see [http://en.wikipedia.org/wiki/Zip_\(file_format\)](http://en.wikipedia.org/wiki/Zip_(file_format))).

[PDF] or  denotes a file in Adobe's [Portable Document Format](#). To view the file, you will need the [Adobe® Acrobat® Reader](#), available free from Adobe. This symbol  indicates a link to a non-government web site. Our linking to these sites does not constitute an endorsement of any products, services or the information found on them. Once you link to another site you are subject to the policies of the new site.

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Scroll to the selector tool

Select your state/territory

Download J2J data:

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

Version: State/Territory: Type: Format:

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]_[GEO]_[IND]_[OWN]_[SA].[EXT]

Description of Filename Components

Series type [TYPE]

- j2j = Count data
- j2jr = Rate data
- j2jod = Origin-destination job characteristics data

Geographical unit of analysis [GEOHI]

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

Demographic characteristics [CHAR]

- d = No demographic detail
- rh = Tabulations by race & ethnicity
- sa = Tabulations by sex & age
- se = Tabulations by sex & education

Firm Age/Size [FAS]

- f = No firm size or age detail
- fa = Tabulations by firm age
- fs = Tabulations by firm size

Geography [GEO]

- gn = National
- gs = States

Industry detail [IND]

- n = All NAICS sectors
- ns = Tabulations by NAICS sectors

Ownership [OWN]

- oeln = State, local, and private ownership categories (RI, S, codes: 2, 3, 5; OWI code: A00)

Select *j2j* for Counts,
j2jr for Rates, and
j2jod for OD data

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](#) (379 KB)
- [Job-to-Job Flows: Data Dictionary and Schema](#)

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[View Files](#)

[V4.1c-draft | Metadata for ME](#)

j2j_me_all.csv.gz	18 Mar 2016 17:33	354 KB
j2j_me_d_f_gs_n_oslp_s.csv.gz	18 Mar 2016 17:39	3 KB
j2j_me_d_f_gs_n_oslp_u.csv.gz	18 Mar 2016 17:36	3 KB
j2j_me_d_f_gs_ns_oslp_s.csv.gz	18 Mar 2016 17:39	39 KB
j2j_me_d_f_gs_ns_oslp_u.csv.gz	18 Mar 2016 17:36	39 KB
j2j_me_d_fa_gs_n_oslp_s.csv.gz	18 Mar 2016 17:39	15 KB
j2j_me_d_fa_gs_n_oslp_u.csv.gz	18 Mar 2016 17:36	15 KB
j2j_me_d_fs_gs_n_oslp_s.csv.gz	18 Mar 2016 17:39	16 KB
j2j_me_d_fs_gs_n_oslp_u.csv.gz	18 Mar 2016 17:36	16 KB
j2j_me_rh_f_gs_n_oslp_s.csv.gz	18 Mar 2016 17:39	34 KB
j2j_me_rh_f_gs_n_oslp_u.csv.gz	18 Mar 2016 17:36	35 KB
j2j_me_sa_f_gs_n_oslp_s.csv.gz	18 Mar 2016 17:39	55 KB
j2j_me_sa_f_gs_n_oslp_u.csv.gz	18 Mar 2016 17:36	55 KB
j2j_me_se_f_gs_n_oslp_s.csv.gz	18 Mar 2016 17:39	38 KB

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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.