

LED New Data from the States and the U.S. Census Bureau

Local Employment Dynamics

Data from the Local Employment Dynamics (LED) Partnership provide unprecedented detail about America's jobs, workers, and local economies. LED integrates existing data from state-supplied administrative records on workers and employers with existing censuses, surveys, and other administrative records to create a longitudinal data system on U.S. employment. State-of-the-art methods to protect the confidentiality of the original respondents allow LED to release data for local and regional areas not often covered by public-use economic statistics.

The Longitudinal Employer-Household Dynamics (LEHD) program at the Census Bureau produces five statistical data products from the longitudinal data. The Quarterly Workforce Indicators (QWI) provide information about trends in employment, hiring, job creation and destruction, and earnings, with detail on geography, age, sex, and industry going as far back as 1990. A second data product, the LEHD Origin-Destination Employment Statistics (LODES), provides annual employment statistics linking home and work locations at the census block-level. Job-to-Job Flows (J2J) provide access to worker flows between states, industries, and nonemployment. The Experimental releases of Post-Secondary Employment Outcomes (PSEO) and Veteran Employment Outcomes (VEO) provide statistics on the earnings and employment outcomes of graduates and Army veterans, respectively.



LED is an integral part of the U.S. Department of Commerce Open Government Plan to unlock public access to high-value government data. As such, the QWI, LODES, J2J, PSEO and VEO data products are released to the public via a wide variety of dissemination and analysis tools. The LODES dataset is highlighted in OnTheMap, a mapping and reporting tool showing employment and home locations of workers with companion reports for user-defined areas. The QWI Explorer and J2J Explorer applications provide comprehensive data access and analytical capabilities through flexible charts, tables, and maps. Our newest analysis tools, PSEO Explorer and VEO Explorer, enable comparisons of employment outcomes through dynamic grouped bar charts.

Online Tool	Data/Availability	Description
J2J Explorer	J2J: Quarterly, 2000- Latest	A web-based tool for analyzing new statistics on job flows. Multiple interactive visualizations trace worker movements through industries, geographic labor markets, and to/from employment.
QWI Explorer	QWI: Quarterly, 1990- Latest	Provides charts, maps, and interactive tables for users to compare, rank, and aggregate QWIs across firm and worker characteristics.
OnTheMap	LODES: Annual, 2002- Latest	Maps, charts, and reports on demographic characteristics and commute patterns of workers/jobs covering 50 states plus D.C.
OnTheMap for Emergency Management	LODES: Annual, Latest	Shows potential impact on jobs/workers and population for hurricanes, fires, floods, winter storms, and disaster declaration areas. Real-time disaster events are automatically updated. Selected variables from ACS and Decennial data are also available.
PSEO Explorer	PSEO: Annual, 2001- Latest	Interactive tool allows for comparisons of earnings and employment outcomes for recent graduates.
VEO Explorer	VEO: Annual, 2001- Latest	Interactive tool allows for comparisons of earnings and employment outcomes for Army veterans.
LED Extraction Tool	QWI: 1990- Latest J2J: 2000- Latest	Easy access to raw data extracts from the QWI and J2J datasets through a simple query-building interface.

Go to lehd.ces.census.gov. For more information, contact CES.Local.Employment.Dynamics@census.gov