



Labor Market Information for Adult Education Directors

October 2022
Hunter Morancy
Labor Economist

AGENDA

- What is LMI?
- Resources you can use
- Where you can find LMI for your state



WHAT IS LABOR MARKET INFORMATION OR LMI?

- All data related to employment and the workforce. It is used to assist with informed decision making, whether channeling business investment or career exploration.
- LMI Data includes:
 - Population
 - Employment and Unemployment
 - Wages
- Most LMI is available by state, county, or metropolitan statistical area (MSA).



CENSUS

- Census data is divided into several topics:
 - Business & Economy
 - Education
 - Emergency Management
 - Employment
 - Families and Living Arrangements
 - Health
 - Housing
 - Income & Poverty
 - Population
- You can see how your area compares to the rest of your state or the nation
- See next slide for Census Applications



<https://data.census.gov/cedsci/>

Applications and Data Analysis Tools



J2J Explorer

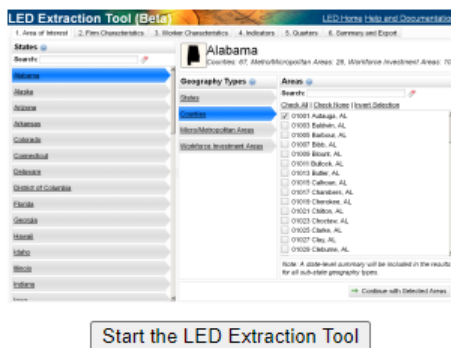
Job-to-Job Flows Explorer is a web-based analysis tool that enables comprehensive access to an innovative set of statistics on worker reallocation in the United States. Workers often build their careers through job-hopping and these flows between jobs are a primary means by which workers move up their career ladders. Flows of workers across employers, industries, and labor markets are subsequently quite large - about half of hires and separations in 2000 were job-to-job flows. Yet until now, they also represented a gap in the set of available statistics on employment dynamics.

Job-to-Job Flows (J2J) statistics illuminate this enormous churn of workers between firms. Using longitudinal administrative data on workers' job histories, J2J traces worker earnings and movements through industries, geographic labor markets, and to/from employment.

J2J Explorer unlocks these statistics through an intuitive dashboard interface. The application's interactive visualizations allow for the construction of tables and charts to compare, aggregate, and analyze earnings and flows by worker and firm characteristics. Potential analyses include identifying what industries are hiring manufacturing workers, what metro areas have the highest rate of worker separations leading to persistent nonemployment, comparing earnings after job flows to earnings for job stayers, and a time series analysis on the impacts of educational attainment on hires to North Dakota.

[Learn more about J2J Explorer](#)  (219 KB)

[J2J Explorer help and documentation](#)



LED Extraction Tool

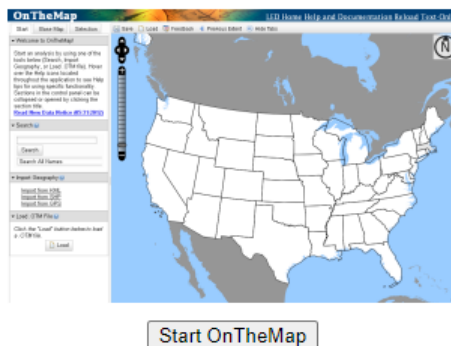
The LED Extraction Tool provides easy access to the raw data products produced through the Local Employment Dynamics (LED) Partnership. The current release of the tool allows access to the Quarterly Workforce Indicators (QWI) and Job-to-Job Flows (J2J) datasets via a simple query-building interface.

The LED Extraction Tool provides:

- Access to all 32 QWI and 67 J2J measures, all available years/quarters, all firm and worker characteristics, and all available geographies.
- A streamlined interface that walks users through the process of selecting the data they need and ignoring the data they don't. Grab only a single tabulation, all the data for a particular cluster of industries or geographies, or a state's full longitudinal set of data using the intuitive query-building interface.
- Fast processing of the requested data tables, which are available for download as CSV and/or ZIP files (complete with metadata).

[Learn more about the LED Extraction Tool](#)  (453 KB)

[LED Extraction Tool help and documentation](#)



OnTheMap

OnTheMap is an online mapping and reporting application showing where workers are employed and where they live with companion reports on worker characteristics and optional filtering by age, earnings, or industry groups. The interactive map viewer displays workplace and residential distributions by user-defined geographies at census block level detail. This flexibility allows for a variety of use cases, including emergency planning, transportation planning, site location, and economic development. OnTheMap also provides an easy-to-use interface for viewing, printing and downloading the workforce related maps, profiles, and underlying data.

Based on the [LEHD Origin Destination Employment Statistics \(LODES\)](#) data product, OnTheMap is a unique resource for mapping the travel patterns of workers and identifying small-area workforce characteristics.

[Learn more about OnTheMap](#)  (227 KB)

[OnTheMap help and documentation](#)

EMPLOYMENT AND UNEMPLOYMENT

- Unemployment may not be the best measure for selecting courses, but is one of the most important indicators for determining the success of the labor market
- A low unemployment rate means there are a small amount of people who are available and looking for work who are not working compared to the number of people who have jobs.
- A high unemployment rate means there are a larger amount of people who are available and looking for work compared to the number of jobs. This population may look to acquire skills to assist in finding a job which fits their needs.

<https://www.bls.gov/>

HOME ▾ SUBJECTS ▾ DATA TOOLS ▾ PUBLICATIONS ▾ ECONOMIC RELEASES ▾ CLASSROOM ▾ BETA ▾		
Inflation & Prices >>	Unemployment >>	Productivity >>
Consumer Price Index	National Unemployment Rate	Labor and Total Factor Productivity
Producer Price Indexes	State & Local Unemployment Rates	Productivity Research
Import/Export Price Indexes	Unemployment Research	Spending & Time Use >>
Contract Escalation	Employment >>	Consumer Expenditures
Price Index Research	National Employment	How Americans Spend Time
Pay & Benefits >>	State & Local Employment	International >>
Employment Costs	County Employment	International Technical Cooperation
National Compensation Data	Worker Characteristics	Import/Export Price Indexes
Wage Data by Occupation	American Indian Report	Geographic Information >>
Earnings by Demographics	Employment Projections	New England (Boston)
Earnings by Industry	Job Openings & Labor Turnover Survey	New York-New Jersey (NY City)
County Wages	Business Response Survey	Mid-Atlantic (Philadelphia)
Benefits	Employment by Occupation	Southeast (Atlanta)
Modeled Wage Estimates	Work Experience Over Time	Midwest (Chicago)
Compensation Research	Business Employment Dynamics	Southwest (Dallas)
Strikes & Lockouts	Foreign Direct Investment	Mountain-Plains (Kansas City)
Occupational Requirements >>	Employment Research	West (San Francisco)
	Workplace Injuries >>	

EMPLOYMENT PROJECTIONS

- Identify the number of annual openings in an occupation or Industry
- Identify the credential required to work in an occupation
- Displays median wage and number of jobs within a desired occupation



<https://data.bls.gov/projections/occupationProj>

FILTER OCCUPATIONS BY YOUR INTEREST

HOME ▾ SUBJECTS ▾ DATA TOOLS ▾ PUBLICATIONS ▾ ECONOMIC RELEASES ▾ CLASSROOM ▾ BETA ▾

Employment Projections



Occupational Projections Data

Employment in thousands.

Detailed information about the variables displayed here is available in the [technical documentation](#). Files containing these data are available for download at <https://www.bls.gov/emp/data/occupational-data.htm>.

Refine your results

- **Employment 2021:** [\[show/hide\]](#)
- **Employment 2031:** [\[show/hide\]](#)
- **Employment change, 2021-2031:** [\[show/hide\]](#)
- **Employment percent change, 2021-2031:** [\[show/hide\]](#)
- **Occupational openings, 2021-2031 annual average:** [\[show/hide\]](#)

Minimum Maximum

- **Median annual wage 2021:** [\[show/hide\]](#)

Minimum Maximum

- **Typical entry-level education** [\[show/hide\]](#)

- ☐ Doctoral or professional degree
- ☐ Master's degree
- ☐ Bachelor's degree
- ☒ Associate's degree
- ☒ Postsecondary nondegree award
- ☒ Some college, no degree
- ☒ High school diploma or equivalent
- ☒ No formal educational credential

- **Work experience in a related occupation** [\[show/hide\]](#)


- ☐ 5 years or more
- ☒ Less than 5 years
- ☒ None

- **Typical on-the-job training** [\[show/hide\]](#)

- ☐ Internship/residency
- ☐ Apprenticeship
- ☐ Long-term on-the-job training
- ☐ Moderate-term on-the-job training
- ☒ Short-term on-the-job training
- ☒ None

Occupation Title	Occupation Code	Employment 2021	Employment 2031	Employment Change, 2021-2031	Employment Percent Change, 2021-2031	Occupational Openings, 2021-2031 Annual Average	Median Annual Wage 2021	Education, Work Experience, and Training		
								Typical Entry-Level Education	Work Experience in a Related Occupation	Typical on-the-job Training
<input type="text" value="Search"/>	<input type="text" value="Search"/>									
Total, all occupations	00-0000	158,134.7	166,452.1	8,317.4	5.3	19,532.5	\$45,760	-	-	-
Customer service representatives Show/hide Example Job Titles	43-4051	2,898.9	2,793.6	-105.3	-3.6	389.4	36,920	High school diploma or equivalent	None	Short-term on-the-job training
Office clerks, general Show/hide Example Job Titles	43-9061	2,751.8	2,621.1	-130.8	-4.8	325.4	37,030	High school diploma or equivalent	None	Short-term on-the-job training
Secretaries and administrative assistants, except legal, medical, and executive Show/hide Example Job Titles	43-6014	2,075.6	1,868.0	-207.6	-10.0	211.2	37,880	High school diploma or equivalent	None	Short-term on-the-job training
First-line supervisors of food preparation and serving workers Show/hide Example Job Titles	35-1012	1,093.1	1,238.7	145.7	13.3	196.7	36,570	High school diploma or equivalent	Less than 5 years	None
First-line supervisors of office and administrative support workers Show/hide Example Job Titles	43-1011	1,521.8	1,493.5	-28.3	-1.9	159.6	60,590	High school diploma or equivalent	Less than 5 years	None
First-line supervisors of retail sales workers Show/hide Example Job Titles	41-1011	1,505.7	1,427.5	-78.2	-5.2	153.0	39,230	High school diploma or equivalent	Less than 5 years	None
Light truck drivers Show/hide Example Job Titles	53-3033	1,109.7	1,220.4	110.7	10.0	147.6	38,280	High school diploma or equivalent	None	Short-term on-the-job training
Construction laborers Show/hide Example Job Titles	47-2061	1,358.4	1,430.3	71.9	5.3	143.2	37,770	No formal educational credential	None	Short-term on-the-job training


Use O'NET to learn about knowledge, skills, and abilities required in an occupation.




O*NET OnLine


Occupation keyword search

Help Find Occupations Advanced Searches O*NET Data Crosswalks Share Sites




O*NET OnLine features

 Introduction

 Occupation Keyword Search

Examples: 25-1011.00, dental assistant

Search O*NET-SOC occupations


 Find Occupations

Bright Outlook


Career Cluster

Hot Technology

Industry




More career sites & resources

 "I want to be a..."

Start the career you've dreamed about, or find one you never imagined. Discover your interests with the [O*NET Interest Profiler](#) and find more exploration options at [My Next Move](#).

Find your career at My Next Move

 **ATTN: VETERANS**

Put your military skills and experience to work in civilian life.


Army (MOS)

Go

Learn more at My Next Move for Veterans

O'NET displays tasks, technology used, abilities needed, and education and skills required for the job.

[Summary](#) [Details](#) [Custom](#) [🔗 Easy Read](#) [🔗 Veterans](#) [🔗 Español](#)

 Contents ▾

Occupation-Specific Information

Tasks

▾ 5 of 21 displayed

- ⊕ Operate office machines, such as photocopiers and scanners, facsimile machines, voice mail systems, and personal computers.
- ⊕ Answer telephones, direct calls, and take messages.
- ⊕ Communicate with customers, employees, and other individuals to answer questions, disseminate or explain information, take orders, and address complaints.
- ⊕ Maintain and update filing, inventory, mailing, and database systems, either manually or using a computer.
- ⊕ Compile, copy, sort, and file records of office activities, business transactions, and other activities.


Technology Skills

▾ 5 of 23 displayed


- ⊕ **Accounting software** — Billing software; Bookkeeping software; Intuit QuickBooks 🔥; Sage 50 Accounting
- ⊕ **Data base user interface and query software** — Blackboard software; Database software 🔥; Microsoft Access 🔥; Yardi software 🔥
- ⊕ **Document management software** — Adobe Systems Adobe Acrobat 🔥; Filing system software; Records management software; Transcription system software
- ⊕ **Enterprise resource planning ERP software** 🔥 — Oracle JD Edwards EnterpriseOne 🔥; Oracle PeopleSoft 🔥; Oracle PeopleSoft Financials; SAP business and customer relations management software
- ⊕ **Medical software** — Henry Schein Dentrix 🔥; Medical condition coding software 🔥; Medical procedure coding software; MEDITECH software 🔥

🔥 Hot Technologies are requirements frequently included in employer job postings.

Use the O'NET/ Educational crosswalk to view training outcomes off your classes.

 Browse by O*NET Data

[Abilities](#)
[Interests](#)
[Knowledge](#)
[Skills \(Basic\)](#)
[Skills \(Cross-Functional\)](#)
[Work Activities](#)
[Work Context](#)
[Work Styles](#)
[Work Values](#)

 Crosswalks


[Military](#)
[Education](#)
Classification of Instructional Programs 2020 code or title

Go

[Occupation Handbook](#)
[SOC](#)
[DOT](#)
[RAPIDS](#)

[Interest Profiler](#)
[License agreements](#)
[O*NET Content Model](#)
[O*NET-SOC occupation taxonomy](#)
[Reports and documents](#)
[Training videos](#)
[Web Services](#)

Find more options on the [home page](#), or search the site:



Go

[Visit the O*NET Resource Center](#)

 **O*NET Updates**

Stay up to date with product releases, new features, database updates, and other important O*NET project developments.

OCCUPATIONAL STATISTICS

- Annually produced
- Shows entry level, average, median, and upper-level wages for each occupation.
- Annual OEWS data has more location breakouts than occupational projections data.

<https://www.bls.gov/oes/current/oessrcst.htm>



EMPLOYER LOCATOR

- Find some of the largest employers in your region using the employer locator
- Large employers may be a good source for selecting courses

<https://www.careeronestop.org/toolkit/jobs/find-businesses.aspx>



careeronestop

your source for career exploration, training & jobs

Sponsored by the U.S. Department of Labor. A proud partner of the [americanjobcenter](#) network.

About this data

The Business Finder includes contact information for more than 12 million employers. Please note that not all businesses you locate are currently hiring. Use the contact information to learn about current openings.

Business information is provided by Data Axle®, Omaha, NE. ©2022. All Rights Reserved.

data axle

To request a change or addition, please contact [Data Axle](#) or visit [Data Axle](#).

[Help](#)



Use the Business Finder to locate businesses that may be hiring in your field.

Get started by entering a business name, industry, or occupation, and a location below.

Search by Business Name, Industry, or Occupation

Location

Within

Keyword or Code

04330

50 miles ▼

Search

List of Industries ▼

We found **15,372** businesses in **04101** within **25** miles.

Sort by Employees: High to Low ▼

Business Name	Description	Industry	Employees	Distance
Anthem Health Plans of ME Inc Gannett Dr SOUTH PORTLAND, ME	Insurance	Agencies, Brokerages, and Other Insurance Related Activities	500+	4.7 miles
Bright Express Gorham Rd SOUTH PORTLAND, ME	Restaurants	Restaurants and Other Eating Places	500+	3.5 miles
Direc TECH North East Walch Dr PORTLAND, ME	Television-Cable & CATV	Cable and Other Subscription Programming	500+	4.4 miles
Hannaford Bros Co LLC Pleasant Hill Rd SCARBOROUGH, ME	Grocers-Retail	Grocery Stores	500+	4.5 miles
Hannaford Bros Prod Recovery Hemco Rd SOUTH PORTLAND, ME	Grocers-Retail	Grocery Stores	500+	2.7 miles

IN CONCLUSION....

You can use LMI to answer:

- Which classes should I offer?
- How should my course be structured?
- Am I reaching a diverse audience?
- Do I qualify for this grant?



Where can you find LMI for your state?

<https://www.bls.gov/bls/ofolist.htm>

MAINE

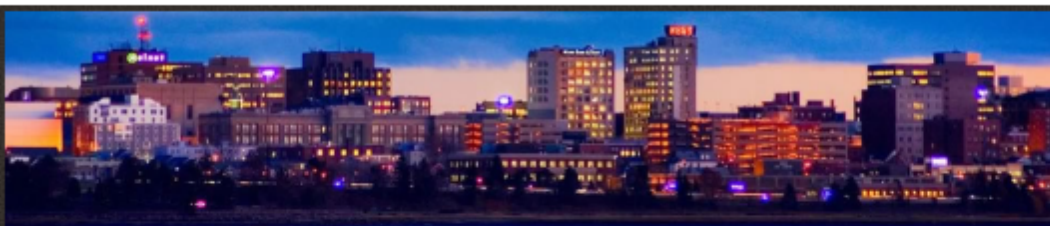
Mr. Mark McInerney, Director
Center for Workforce Research and Information
Maine Department of Labor
45 Commerce Drive – SHS 118
Augusta, ME 04333-0118
Phone: (207) 621-5188 Fax: (207) 287-2947
Email: Mark.McInerney@maine.gov
Internet: www.state.me.us/labor/cwri/

MARYLAND

Ms. Carolyn Mitchell, Director
Office of Workforce Information and Performance
Division of Workforce Development and Adult Learning
Maryland Department of Labor
1100 North Eutaw Street, Room 316
Baltimore, MD 21201-2206
Phone: (410) 767-2953 Fax: (410) 767-2219
Email: carolyn.mitchell@maryland.gov
Internet: www.dllr.state.md.us/lmi/index.shtml

MASSACHUSETTS

Ms. Lisa Hemmerle, Director
Department of Economic Research
Executive Office of Labor and Workforce Development
One Ashburton Place, Suite 2112
Boston, MA 02108
Phone: (617) 626-7100 Fax: (617) 727-1090
Email: lisa.m.hemmerle@detma.org
Internet: www.mass.gov/orgs/departments-of-economic-research



Search

[Unemployment Rate](#) [Nonfarm Payroll Jobs](#) [Wages by Occupation](#)

[High-Wage, In-Demand Jobs](#) [Unemployment Insurance Data](#) [Industry Data](#)

[Job Outlook](#) [What Maine Graduates Earn](#) [Demographics](#)

 [Data Release Schedule](#)

Recent Updates

- September 26, 2022 - 2022 Maine Healthcare Occupations Report ([HTML](#))
- September 9, 2022 - Factors Contributing to Decreasing Labor Force Participation ([HTML](#))
- September 7, 2022 - Presentation: Maine Labor Market Conditions Through Summer 2022. ([PDF](#))
- [\[More Data...\]](#) [\[More Publications...\]](#)

Employment

[Labor Force](#)
[Nonfarm Payroll Jobs](#)
[Job Outlook](#)
[Jobs in Demand](#)
[Maine Employers](#)
[More...](#)

Unemployment

[Maine and U.S.
Unemployment Rates](#)
[County, Town, and
LMA Unemployment
Rates](#)
[Unemployment
Insurance Statistics](#)
[More...](#)

Income & Wages

[by Occupation](#)
[by Industry](#)
[High-Wage In-
Demand Jobs](#)
[Maine Post-
Secondary Outcomes
Report \(MPSO\),
MaineEARNs](#)
[More...](#)

Research

[County Profiles](#)
[Demographics](#)
[Characteristics of UI
Claimants](#)
[Workers with
Disabilities](#)
[More...](#)

Resources for

[Job Seekers](#)

[Employers](#)

[Students](#)

[Survey Respondents](#)

2022 Maine Healthcare Occupations Report

September 26, 2022 - The Maine Healthcare Occupations Report combines a variety of workforce statistics for the over 80,000 healthcare occupational professionals in the state. Users can find the distribution and employment mix of healthcare occupational workers by industry, the number of employed workers in each occupation, their respective wages, and long term employment forecasts. ([Read more](#))

Get Notified!

Receive CWRI news:

[Publications](#)

[Contact Us](#)

[FAQs](#)



Questions?

Hunter Morancy

Hunter.H.Morancy@Maine.gov

MAINE DEPARTMENT OF LABOR