

Data Sources for Workforce Development

Baltimore Data Day 2015

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Basic Labor Force Data

- **LAUS: Local Area Unemployment Statistics**
- Collected by the Bureau of Labor Statistics
 - Also available from DLLR
- Source of official unemployment rate data
- Available as “seasonally adjusted” or “not seasonally adjusted”
- Lowest geographic level: Incorporated cities of 25,000 or more

<http://www.bls.gov/lau/>

Maryland LAUS data, May 2015

- Civilian Non-Institutionalized Population (16+): 4,711,613
- Total Labor Force: 3,144,213
- Labor Force Participation Rate: 66.7%
- Employed Persons: 2,977,863
- Unemployed Persons: 166,350
- Unemployment Rate:
 - U-3: 5.3%
 - U-6: 10.7% (336K persons) * (2014-Q2 to 2015-Q1 average)

* <http://www.bls.gov/lau/stalt.htm>

Industry and Occupation Data

- Industries are reported using NAICS codes
 - North American Industrial Classification System
- Occupations use SOC codes
 - Standard Occupational Classifications
- All companies report employment by NAICS
- Occupation data comes from surveys
- Localized occupation data must be calculated
 - Industry – Occupation Matrix

Occupation Data and Projections

- Nation and State (DLLR) create occupation projections
 - Not available on local level
 - Projections include both change in number of positions (+ or -) and retirements
 - Note that shrinking occupations can still have demand due to retirements in existing workforce
- Creating local occupation projections is a three-step process:
 - Collect data on employment by NAICS code
 - Apply Industry-Occupation Matrix
 - Join statewide projection data to results

<http://www.bls.gov/emp/home.htm>

Local Workforce Data

- Longitudinal Employer – Household Dynamics Data (LEHD)
 - OnTheMap & LODES
- Quarterly Workforce Indicators (QWI)
 - QWI Explorer and LED Extraction Tool
- DLLR / Maryland Workforce Exchange
 - MWEWorks & DLLR LMI websites
 - DLLR Dashboard with JSON API
- Non-Employer Statistics
- Private Data Sources

Longitudinal Employer – Household Dynamics Data (LEHD)

- Smallest Geography available – Census Blocks
 - Block data must be downloaded (LODES data)
- Created by the U.S. Bureau of the Census
 - With cooperation from the SSA, IRS, and States
- Tracks where people live & work
 - Uses “synthetic data” to protect confidentiality
- Easily available using the OnTheMap online data retrieval system
- Lacks specificity of industry, age, and income

OnTheMap

onthemap.ces.census.gov

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OnTheMap

LEHD Home Help and Documentation Reload Text-Only

Start Base Map Selection Save Load Feedback Previous Extent Hide Tabs

▼ Welcome to OnTheMap!

Start an analysis by using one of the tools below (Search, Import Geography, or Load .OTM file). Hover over the Help icons located throughout the application to see Help tips for using specific functionality. Sections in the control panel can be collapsed or opened by clicking the section title.

[2012 Data Now Available \(07/06/2015\)](#)

▼ Search

Search

Search All Names

▼ Import Geography

[Import from KML](#)
[Import from SHP](#)
[Import from GPS](#)

▼ Load .OTM File

Click the "Load" button below to load a .OTM file.

1000 km
500 mi

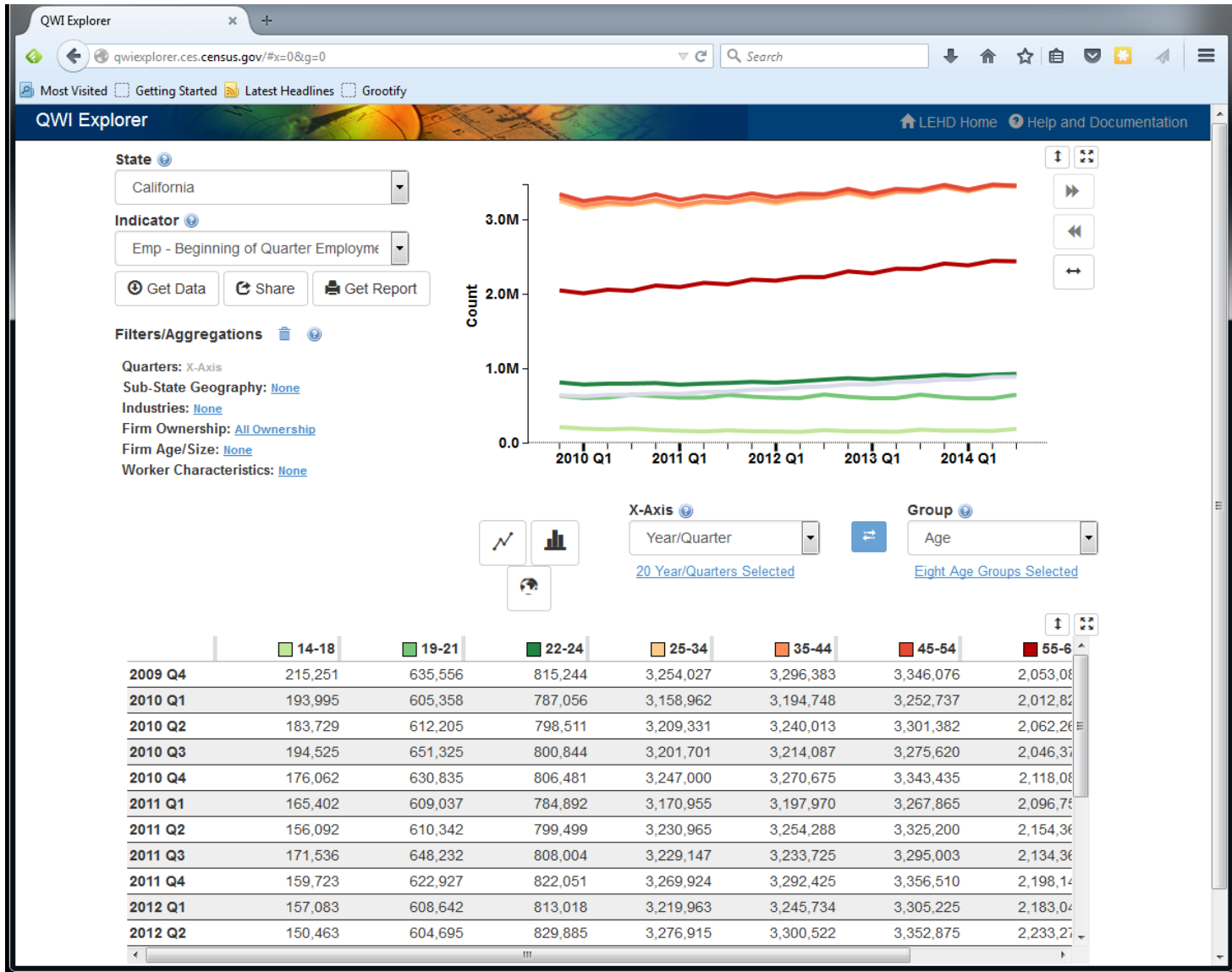
Privacy Policy | 2010 Census | Data Tools | Information Quality | Product Catalog | Contact Us | Home
 Source: U.S.Census Bureau, Center for Economic Studies | e-mail: CES.OnTheMap.Feedback@census.gov

<http://onthemap.ces.census.gov/>



Quarterly Workforce Indicators

- Same data set as LEHD
- Much more detail on worker characteristics, much less geographic detail (counties)
- Allows breakdowns by time, age, sex, education, firm size, etc.
- A complex data set, but much of the complexity can be ignored
- Has interactive maps and charts



<http://qwiexplorer.ces.census.gov/>

LED Extraction Tool - Quarterly ... x

ledextract.ces.census.gov

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LED Extraction Tool - Quarterly Workforce Indicators (QWI) LEHD Home Help and Documentation

1. Geography 2. Firm Characteristics 3. Worker Characteristics 4. Indicators 5. Quarters 6. Summary and Export

State

Search:

Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky

California
Counties: 58, Metro/Micropolitan Areas: 35, Workforce Investment Areas: 49

Geography Type

States
Counties
Micro/Metropolitan Areas
Workforce Investment Areas

Areas

Search:

[Check All](#) | [Check None](#) | [Invert Selection](#)

06 California

[Load Settings](#) [Continue to Firm Characteristics](#)

Privacy Policy | 2010 Census | Data Tools | Information Quality | Product Catalog | Contact Us | Home
Source: U.S. Census Bureau, Center for Economic Studies, LEHD | e-mail: CES.QWI.Feedback@census.gov

<http://ledextract.ces.census.gov/>



Sign In

Not Registered Yet?

Forgot Username/Password?

SEARCH FOR A JOB

Enter a keyword, employer name and/or city or ZIP code and radius to search for jobs in your area.

Search

LATEST NEWS AND ANNOUNCEMENTS

Microsoft Basic Computer courses available under "Assistance" on homepage

JOB SEEKER SOLUTIONS

- Find a Job
- Create a Resumé
- Education and Training
- Career & Workforce Information
- One-Stop Career Center Information

BUSINESS SOLUTIONS

- Find a Candidate
- Post a Job Opening
- Education and Training
- Job Market Trends
- One-Stop Career Center Information

LABOR MARKET INFORMATION

- LMI Home
- Area Profile
- Occupation Profile
- Industry Profile
- Demographics
- Publications

TARGETED JOB SEARCHES & RESOURCES

- Summer JOBS
- Apprentice Training JOBS
- Cyber Security JOBS
- State of Maryland JOBS
- MARC Regional Green JOBS
- Ultimate Employment Guide

VETERAN SERVICES

- Veteran JOBS
- Veteran Priority Services
- Operation Hire
- Military To Federal JOBS

About Us

Assistance

American Job Centers

Protect Yourself



<https://mwejobs.maryland.gov/vosnet/Default.aspx>

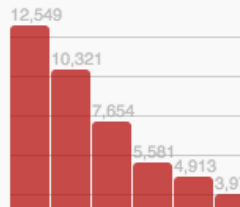




The Department of Labor, Licensing, and Regulation's Workforce Dashboard is an **interactive tool** designed to **visualize data and patterns** related to the supply and demand of Maryland's workforce, education and training opportunities in the state.

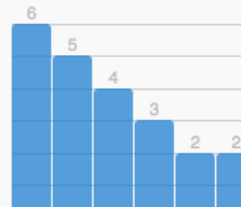
Select a section below to begin.

Work



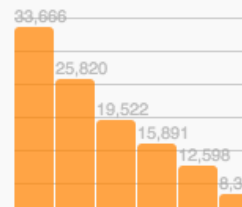
Show current job openings in Maryland

Workforce



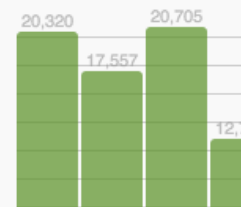
Show current job seekers in Maryland

Training



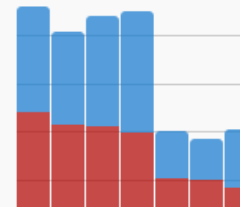
Show the training and education opportunities in Maryland

Unemployment



Show statistics and distribution of Maryland's Unemployed workers

Compare



Show direct comparison between Work, Workforce, and Training

If you are seeking job opportunities in Maryland, please use the [Maryland Workforce Exchange](#).

<http://www.dllr.maryland.gov/workforcedashboard/>



Non-Employer Statistics

- Most workforce data is for employees of existing firms, i.e. employers
- Self-employed workers are often referred to as “nonemployers,” i.e. companies with no employees
- Sometimes called the contingent workforce, independent contractors, or 1099 workers
- The Census Bureau collects this data

File Edit View History Bookmarks Tools Help

Nonemployer Statistics x +

www.census.gov/econ/nonemployer/

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United States Census Bureau

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You are here: [Census.gov](#) > [Business & Industry](#) > [Economy-Wide](#) > Nonemployer Statistics

Nonemployer Statistics

Main About the Data Historical Data How the Data are Collected Definitions FAQs

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Release Schedule

2013 Nonemployer Statistics was released May 21, 2015.

News

[Nation Gains More than 4 Million Nonemployer Businesses Over the Last Decade, Census Bureau Reports](#)

[Census Bureau Blog](#)

[More News Releases »](#)

Related Sites

- [American FactFinder](#)
- [Business and Industry](#)
- [County Business Patterns](#)
- [Economic Census](#)
- [Economic Indicators](#)
- [North American Industry Classification System](#)
- [Statistics of U.S. Businesses \(firms by size\)](#)
- [Enterprise Statistics](#)
- [Survey of Business Owners \(minority- / women-owned\)](#)
- [Industry Spanish](#)

Nonemployer Statistics

Nonemployer Statistics is an annual series that provides subnational economic data for businesses that have no paid employees and are subject to federal income tax. The data consist of the number of businesses and total receipts by industry. Most nonemployers are self-employed individuals operating unincorporated businesses (known as sole proprietorships), which may or may not be the owner's principal source of income.

The majority of all business establishments in the United States are nonemployers, yet these firms average less than 4 percent of all sales and receipts nationally. Due to their small economic impact, these firms are excluded from most other Census Bureau business statistics (the primary exception being the [Survey of Business Owners](#)). The Nonemployers Statistics series is the primary resource available to study the scope and activities of nonemployers at a detailed geographic level. For complementary statistics on the firms that do have paid employees, refer to the [County Business Patterns](#). Additional sources of data on small businesses include the [Economic Census](#), and the [Statistics of U.S. Businesses](#).

For help accessing the data via hypertext tables or American FactFinder, please refer to the [Data User Guide \[PDF\]](#).

For Internet Explorer 9 and 10 enable [Compatibility View](#) in the event tables do not display properly.

For frequently asked questions (FAQs) visit [Ask Census.Gov](#) or click the FAQs tab at the top of the screen. This link will open a new page within this window. Enter 'nonemployer' into the search box to narrow the results.

View data in hypertext tables

U.S., States, and Counties (2002-2013) Select Area GO

Metropolitan and Micropolitan Statistical Areas ¹ (2002-2013) Select Area GO

Data in other formats for manipulation and analysis

- Extract and manipulate the data in the [New American FactFinder \(2004 to 2013\)](#).
- View the [Revised 2008 Nonemployer Statistics Table](#) [.xls] reflecting 2009 methodology changes.
- Download the data in [comma-delimited format](#) (1997 to 2013).
- Read about [Historical Nonemployer Statistics](#) for earlier years, including data for 1997 to 2001 online.

<http://www.census.gov/econ/nonemployer/>

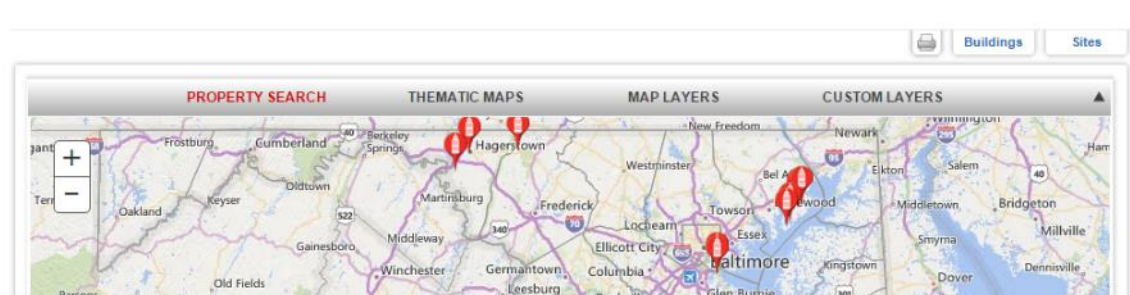
Private Data Source Examples

- ReferenceUSA (InfoGroup) can be useful, and is often available at public libraries
 - However, data will differ from public sources
 - <http://referenceusagov.com/>
- DBED has a property research system that can be used to explore areas around
 - Data is sourced from ESRI Business Analyst
 - Data only available for properties in system



Maryland Business Properties

Choose Maryland > Move a Business > Property Search Tool



<http://business.maryland.gov/move/find-a-location/property-search>



Wrap-Up

- Most data is only available at the county level
- Little is available for sub-county areas (i.e. neighborhoods)
- LEHD / OnTheMap data has the most geographic detail, but lacks other details
- Private data sources can be useful if they are available
 - But, private data often does not match public data



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