

# GOVERNOR'S GRANTS CONFERENCE

## Using Data to Enhance your Grant Application

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Maryland Department of Planning

# Grants are funded because...

- You have a plan of action with time-frames and expectations
- Your organization is committed to the project
- Your problem is significant and backed by supportive data

# Key Elements

- Reliable source for data
- Clearly identified need
- Data relevant to the area of need
- Describes the problem and justifies the need for the project
- Compare data over a time period and to other geographies

# Data Sources

- Census Data
- American Community Survey
- Census Estimates
- U.S. Bureau of Economic Analysis (BEA)
- Longitudinal Employer-Household Dynamics (LEHD)

# Census 2010

The Census 2010 form asked everyone 10 Short questions about:

- Age
- Race, Hispanic/Latino
- Gender
- Own/Rent
- Relationship of persons in household

No long form – that data collected through American Community Survey (ACS)

Data Main

Data Tools & Apps

Developers

Mobile Apps

Find information using interactive applications to get statistics from multiple surveys.

Data Tools & Apps  
Main

- American FactFinder
- Census Business Builder
- Census Explorer
- My Congressional District
- QuickFacts
- U.S. and World Population Clock

Product Catalog

Related Sites

Software

Training & Workshops

Visualizations

### Citizen Voting-Age Population

The U.S. Census Bureau released today selected characteristics of the citizen voting-age population from the 2015 American Community Survey for all U.S. states and congressional districts.

#### POPULATION CLOCK



#### QUICKFACTS



#### U.S. Census Bureau Economic Indicators

International Trade: Goods & Services	\$36.4 B	Deficit	9.9%
September 2016 Report			
Released 8:30 AM EDT, 11/4/16			
Manufacturers' Goods	\$455.5 B	New Orders	0.3%
September 2016 Report			
Released 10:00 AM EDT, 11/3/16			
Construction Spending	\$1,150.0 B		

\* change not statistically significant  
° significance not reported / applicable

# American Community Survey

## One-year estimates

12 months of collected data

2015 latest year data

Data for areas with populations of 65,000+

Small sample size

Less reliable than 5-year

Most current data

## Five-year estimates

60 months of collected data

2010-2014 latest data

Data for all areas

Large sample size

Most reliable

Least current

\* Three-year ACS is discontinued after 2011-2013

# American Community Survey

## Main Topics

- Social (DP02)
- Economic (DP03)
- Housing (DP04)
- Demographic (DP05)



# American Community Survey

## Social (DP02)

- Total Households
- Household population and relationships
- School enrollment
- Educational attainment
- Disability
- Place of birth – native/foreign
- Languages spoken
- Households with computer/Internet

# American Community Survey

## Economic (DP03)

- Employment status
- Labor force
- Commute to work (car, transit...)
- Occupation and Industry
- Income (median household and range)
- Health Insurance
- Poverty data

# American Community Survey

## Housing (DP04)

- Total housing units – occupied/vacant
- Units in structure (single family, multi family)
- Year built
- Rooms/bedrooms
- Owner occupied/renter occupied
- Vehicles available
- Value of home, mortgage status
- Monthly costs for owner – mortgage
- Rent and rent as a percent of household income

# American Community Survey

## Demographic (DP05)

- Total population
- Male/female and age details
- Race details
- Hispanic or Latino
- Citizen, voting age population

# American Community Survey

The screenshot shows the American FactFinder website interface. At the top, there is a navigation bar with the United States Census Bureau logo and the 'AMERICAN FactFinder' title. Below the navigation bar, a message states: "American FactFinder may be unavailable periodically from November 7th until November 18th while we perform system maintenance. We apologize for any inconvenience." The main content area features a large image of a smiling family (a man, a woman, and a child). To the left of the image, there are four navigation options: "Community Facts", "Guided Search", "Advanced Search" (which is circled in red), and "Download Center". Below these options, there is a section for "Popular Tables" with two columns of links. The first column includes "Population and Housing" with links for "Annual Population Estimates (2015 PER, PEPANNRES)", "Demographic and Housing Estimates (2014 ACS, DP05)", "General Housing Characteristics (2014 ACS, DP04)", and "General Demographic Characteristics (2010 Census, DP-1)". The second column includes "Poverty and Income" with a link for "General Economic Characteristics (2014 ACS, DP03)", and "Age, Race, Sex and Education" with links for "Selected Social Characteristics (2014 ACS, DP02)" and "Educational Attainment (2014 ACS, S1501)". At the bottom, there are two sections: "Using American FactFinder" with a link to "Learn about American FactFinder's functions and features." and "News and Notes" with a link to "GET EMAIL UPDATES" and a news item dated July 21, 2016, titled "The 2014 American Community Survey 1-year supplemental estimates are now available....".

# American Community Survey

ACS\_2010\_2014\_Legislativ... American FactFinder - Sea... +

factfinder.census.gov/faces/nav/jsp/pages/searchresults.xhtml?refresh=t

United States Census Bureau

AMERICAN FactFinder

MAIN COMMUNITY FACTS GUIDED SEARCH **ADVANCED SEARCH** DOWNLOAD CENTER

**Search** - Use the options on the left (topics, geographies, ...) to narrow your search results

**Your Selections**

"Your Selections" is empty

load search | save search

Search using the options below:

**Topics**  
(age, income, year, dataset, ...)

**Geographies**  
(states, counties, places, ...)

**Race and Ethnic Groups**  
(race, ancestry, tribe)

**Industry Codes**  
(NAICS industry, ...)

**EEO Occupation Codes**  
(executives, analysts, ...)

**To search for tables and other files in American FactFinder:**

- 1 Enter search terms and an optional geography and click GO

topic or table name state, county or place (optional) GO ?

topics race/ancestry industries occupations

-- or --

Select from **Topics, Race and Ethnic Groups, Industry Codes, EEO Occupation Codes.**

- these are added to "Your Selections"
- the Search Results are updated

- 2 Next, select **Geographies** (states, counties, cities, towns, etc.)

- these are added to "Your Selections"
- the Search Results are updated

- 3 Select one or more Search Results and click **View**

# American Community Survey

The screenshot shows the American FactFinder website interface. At the top, there is a navigation bar with the United States Census Bureau logo and the text "AMERICAN FactFinder". Below this is a blue navigation bar with tabs for "MAIN", "COMMUNITY FACTS", "GUIDED SEARCH", "ADVANCED SEARCH", and "DOWNLOAD CENTER". The main content area has a heading "Search - Use the options on the left (topics, geographies, ...) to narrow your search results". On the left side, there are several filter categories: "Your Selections" (empty), "Search using the options below:", "Topics" (age, income, year, dataset, ...), "Geographies" (states, counties, places, ...), "Race and Ethnic Groups" (race, ancestry, tribe), "Industry Codes" (NAICS industry, ...), and "EEO Occupation Codes" (executives, analysts, ...). The "Geographies" section is expanded, showing a dropdown menu with the following options: "United States - 010", "Region - 020", "Division - 030", "State - 040", "..... County - 050", "..... County Subdivision - 060", "..... Census Tract - 140", "..... Block Group - 150", "..... Equal Employment Opportunity County Set - 902", "..... Place - 160", "..... Estimates Universe Place - 162", "..... Economic Place - E60", "..... County (or part) - E65", "..... Consolidated City - 170", "..... Place within Consolidated City (or part) - 172", and "..... Congressional District - 500". A red circle highlights the dropdown menu.

# American Community Survey

factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t

United States Census Bureau

AMERICAN FactFinder

MAIN COMMUNITY FACTS GUIDED SEARCH **ADVANCED SEARCH** DOWNLOAD CENTER

Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Your Selections

Search using...  
 County  
 Anne Arundel County, Maryland

Refine your search results:  state, county or place (optional) GO ?

Selected: View Download Compare Clear All Reset Sort

ID	Table, File or Document Title	Dataset	About
<input type="checkbox"/>	S0101 AGE AND SEX	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0102 POPULATION 60 YEARS AND OVER IN THE UNITED STATES	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0103 POPULATION 65 YEARS AND OVER IN THE UNITED STATES	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0501 SELECTED CHARACTERISTICS OF THE NATIVE AND FOREIGN-BORN POPULATIONS	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0502 SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY PERIOD OF ENTRY INTO THE UNITED STATES	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0503 SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: EUROPE	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0504 SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: AFRICA, NORTHERN AMERICA, AND OCEANIA	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0505 SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: ASIA	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0506 SELECTED CHARACTERISTICS OF THE FOREIGN-BORN POPULATION BY REGION OF BIRTH: LATIN AMERICA	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0601 SELECTED CHARACTERISTICS OF THE TOTAL AND NATIVE POPULATIONS IN THE UNITED STATES	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0701 GEOGRAPHIC MOBILITY BY SELECTED CHARACTERISTICS IN THE UNITED STATES	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0801 COMMUTING CHARACTERISTICS BY SEX	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0802 MEANS OF TRANSPORTATION TO WORK BY SELECTED CHARACTERISTICS	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0804 MEANS OF TRANSPORTATION TO WORK BY SELECTED CHARACTERISTICS FOR WORKPLACE GEOGRAPHY	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0901 CHILDREN CHARACTERISTICS	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S0902 CHARACTERISTICS OF TEENAGERS 15 TO 19 YEARS OLD	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1001 GRANDCHILDREN CHARACTERISTICS	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1002 GRANDPARENTS	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1101 HOUSEHOLDS AND FAMILIES	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1201 MARITAL STATUS	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1251 CHARACTERISTICS OF PEOPLE WITH A MARITAL EVENT IN THE LAST 12 MONTHS	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1301 FERTILITY	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1401 SCHOOL ENROLLMENT	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1501 EDUCATIONAL ATTAINMENT	2015 ACS 1-year estimates	?
<input type="checkbox"/>	S1502 FIELD OF BACHELOR'S DEGREE FOR FIRST MAJOR	2015 ACS 1-year estimates	?

Selected: View Download Compare Clear All Reset Sort



# American Community Survey

factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS\_05\_EST\_DP21

United States Census Bureau

AMERICAN FactFinder

MAIN COMMUNITY FACTS GUIDED SEARCH ADVANCED SEARCH DOWNLOAD

Advanced Search - Search all data in American FactFinder

1 Advanced Search 2 Table Viewer

DP02 Selected Social Characteristics in the United States: 2005  
2005 American Community Survey

Table View

Actions: [Modify Table](#) | [Add/Remove Geographies](#) | [Bookmark/Save](#) | [Print](#) | [Download](#)

Geography: **Anne Arundel County, Maryland**

Selected Social Characteristics in the United States: 2005		Estimate	Margin of Error
<b>SCHOOL ENROLLMENT</b>			
Population 3 years and over enrolled in school		131,506	+/-3,435
Nursery school, preschool		8,207	+/-1,684
Kindergarten		6,439	+/-1,138
Elementary school (grades 1-8)		55,632	+/-1,876
High school (grades 9-12)		27,918	+/-1,671
College or graduate school		33,310	+/-2,737
<b>EDUCATIONAL ATTAINMENT</b>			
Population 25 years and over		329,042	+/-574
Less than 9th grade		9,166	+/-1,508
9th to 12th grade, no diploma		23,333	+/-2,878
High school graduate (includes equivalency)		88,091	+/-4,772
Some college, no degree		73,545	+/-4,225
Associate's degree		22,096	+/-2,445
Bachelor's degree		68,409	+/-3,823
Graduate or professional degree		44,402	+/-2,968
Percent high school graduate or higher		90.1%	+/-0.9
Percent bachelor's degree or higher		34.3%	+/-1.6
<b>MARITAL STATUS</b>			
Males 15 years and over		189,927	+/-645
Never married		53,666	+/-2,858
Now married, except separated		113,440	+/-3,458
Separated		2,975	+/-880
Widowed		4,270	+/-906
Divorced		15,576	+/-2,003

# American Community Survey

DEPARTMENT OF PLANNING  
MARYLAND STATE DATA CENTER

HOME CENSUS **ACS** ESTIMATES PROJECTIONS JOB/INCOME MAPS/GIS ECON & AG CENSUS MDP

### Popular Links

- Sustainability Indicators
- Zip Code Maps
- Maryland Statistical Handbook
- Population Estimates
- Median Household Income Estimates
- Projection Profiles
- Parcel PFA Data
- PFA Census Data Analysis
- EEO Report

### Quick Links

- Building Permit Data
- 2012 Statistical Abstract
- 2010-2014 ACS Socioeconomic Characteristics for Maryland's Legislative Districts
- 2011-2013 ACS Socioeconomic Characteristics for Maryland's Jurisdictions

### On-line Mapping

Map Application:  
2010-2014 American Community Survey with Coefficient of Variation

### Reports

## American Community Survey

The American Community Survey (ACS) is an ongoing, nationwide, monthly survey covering approximately three-million households each year and is now the source for all of the socioeconomic data that was formerly obtained from the decennial census. ACS data is available for three types of releases depending on population size: annually, three-year periods and five-year periods.

Annual ACS data are available for all geographies (e.g., U.S., states, counties, municipalities, places) with a population of 65,000 or more.

Three-year period ACS estimates are available for all geographies with a population of 20,000 or more.

Five-year period ACS estimates are available for all geographies down to census tracts and block groups.

### Data and Reports

- Comparing ACS Data to Census and to Other ACS Data
- Cautions, Documentation and Guidelines on Using ACS Data
- ACS Annual Data (population of 65,000 or more for all geographies) :  
2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002
- ACS Three-year Data (population of 20,000 or more for all geographies) :  
**Note: The Census Bureau has discontinued the three-year ACS data. The last three-year data release was for the 2011-2013 period. There will be no more three-year data releases.**  
2011-2013 | 2010-2012 | 2009-2011 | 2008-2010 | 2007-2009 | 2006-2008 | 2005-2007
- Socioeconomic Characteristics for Maryland's Jurisdictions and Places:  
2011-2013 Go
- ACS Five-year Data (data available for all geographies down to census tracts & block groups) :  
2010-2014 | 2009-2013 | 2008-2012 | 2007-2011 | 2006-2010 | 2005-2009

# Census Bureau Estimates

## Population and Housing Unit Estimates

- Population estimates for U.S., all states, counties, cities and towns
- Components of Change (births, deaths and migration)
- Housing unit estimates are produced for U.S., all states and counties
- Data produced yearly



# DEPARTMENT OF PLANNING MARYLAND STATE DATA CENTER

Search



- HOME
- CENSUS
- ACS
- ESTIMATES**
- PROJECTIONS
- JOB/INCOME
- MAPS/GIS
- ECON & AG CENSUS
- MDP

## Popular Links

- > Sustainability Indicators
- > Zip Code Maps
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- > PFA Census Data Analysis
- > EEO Report

## Quick Links

- > Building Permit Data
- > 2012 Statistical Abstract
- > 2010-2014 ACS Socioeconomic Characteristics for Maryland's Legislative Districts
- > 2011-2013 ACS Socioeconomic Characteristics for Maryland's Jurisdictions



## Estimates

This section contains estimates of various socioeconomic variables. An estimate differs from a projection in that it is for either the current year or a past time period. Projections deal with the future and can be found under the [Projections](#) tab.

Estimates of Jobs by Place of Work and Personal Income can be found at the [Jobs and Income](#) Tab. A good summary of estimates covering a wide variety of socioeconomic variables can be found in our [Maryland Statistical Handbook](#)

Estimates can be divided into five basic categories:

### Population

#### Post 2010 U.S. Census Bureau Population Estimates

- [2015 Estimates by Age, Race and Gender for Maryland and it's Jurisdictions \(6/23\)](#)
- [2015 Estimates for Maryland's Municipalities \(5/16\)](#)
- [2015 Estimates for Maryland's Jurisdictions \(3/16\)](#)
- [2015 Estimates for Maryland and All States \(12/15\)](#)

#### U.S. Census Bureau Intercensal Population Estimates 2000 to 2010 for Maryland (4/12)

- [Total Population Estimates: PDF | XLS](#)
- [Estimates by Gender and Age Group](#)
- [Estimates by Gender, Race and Hispanic Origin](#)
- [Estimates by Age, Gender, Race and Hispanic Origin](#)

▶ [Revised U.S. Census Bureau Intercensal Population Estimates 1990 to 1999 for Maryland](#)

# U.S. Bureau of Economic Analysis Data

## Income and Jobs data

- Data available for the nation, states, metropolitan areas and counties.
- Data is available annually and quarterly
- Personal and per capita income
- Total full time and part-time employment by industry



DEPARTMENT OF PLANNING

## MARYLAND STATE DATA CENTER

Search



HOME

CENSUS

ACS

ESTIMATES

PROJECTIONS

JOB/INCOME

MAPS/GIS

ECON &amp; AG CENSUS

MDP

## Popular Links

- [Sustainability Indicators](#)
- [Zip Code Maps](#)
- [Maryland Statistical Handbook](#)
- [Population Estimates](#)
- [Median Household Income Estimates](#)
- [Projection Profiles](#)
- [Parcel PFA Data](#)
- [PFA Census Data Analysis](#)
- [EEO Report](#)

## Quick Links

- [Building Permit Data](#)
- [2012 Statistical Abstract](#)
- [2010-2014 ACS Socioeconomic Characteristics for Maryland's Legislative Districts](#)
- [2011-2013 ACS Socioeconomic Characteristics for Maryland's Jurisdictions](#)

## Jobs and Income

The jobs and income section has personal income estimates from the U.S. Bureau of Economic Analysis for states (quarterly and annual) and Maryland counties (annual). Jobs by place of work data from the U.S. BEA are available for states and Maryland counties annually.

Also available from this site are annual job estimates for Maryland (and other states) from the current employment statistics(CES) program. There is a difference in coverage between the BEA and CES data. The BEA series is more comprehensive in that it includes federal military, railroad, household, agricultural, and other workers not covered by the unemployment insurance system. In addition, the BEA data includes estimates of proprietors. As a result, BEA job estimates will always be significantly higher than job estimates from the CES program.

The County Business Patterns data on this site are an analysis of high tech and biotech establishments available at the zip code level.

### U.S. Bureau of Economic Analysis (BEA)

#### Jobs and Income Data for U. S. and Maryland's Jurisdictions :

- [State Quarterly Personal Income Through The Fourth Quarter of 2015 \(4/16\)](#)
- [2014 Annual Jobs and Income Data for Maryland's Jurisdictions \(12/15\)](#)
- [2014 Annual Jobs and Personal Income for all States & Regions in U.S. \(11/15\)](#)
- [Number of State and Local Government Employees per 10,000 Population \(2/16\)](#)
- [Real Personal Income for States \(7/15\)](#)

# Longitudinal Employer-Household Dynamics (LEHD) Data

LEHD data is available in three groups

- Residence Area Characteristics
- Workforce Area Characteristics
- Origin Destination data

# LEHD Data

## Residence/Workplace Characteristics

- Total number of Jobs by area of residence/work
- Number of jobs by age in three groups
- Number of jobs by monthly earnings in three groups
- Number of workers in NAICS sector
- Number of workers by Race, ethnicity, educational attainment and sex



# LEHD Data

## Origin-Destination Data

- OD data includes total jobs by area
- Number of jobs by three age groups
- Number of jobs by monthly earnings in three groups
- Jobs by major industry sector (three)

# LEHD Website

U.S. Department of Commerce | Blogs | Index A-Z | Glossary | FAQs

United States Census Bureau

Search

Topics: Population, Economy | Geography: Maps, Geographic Data | Library: Infographics, Publications | Data: Tools, Developers | About the Bureau: Research, Surveys | Newsroom: News, Events, Blogs

You are here: [Census.gov](#) | [Business & Industry](#) | [Center for Economic Studies](#) | [Longitudinal Employer-Household Dynamics](#)

## Longitudinal Employer-Household Dynamics

Main | Applications | Data | Learn More | Research | State Partners | Partner with Us

### Applications

- QWI Explorer
- OnTheMap
- OnTheMap for Emergency Management
- LED Extraction Tool

### Useful Links

- Center for Economic Studies
- QWI Data
- LODES Data
- LED Homeop

### Contact Information

Email us: [CES\\_Local\\_Employment\\_Dynamics@census.gov](mailto:CES_Local_Employment_Dynamics@census.gov)

or

Call us at (301) 763-8303

[Further contact information](#)

[Join an LEHD mailing list](#)

The initial release of National Quarterly Workforce Indicators is now available. This first national, rather than state-level, release of the QWI provides a consistent reference point for users of the QWI. Also provided are rates and new variability measures that preview future enhancements to the state-level QWI.

[View National QWI Data Page](#)

### What's New?

- 10/08/15: [Using LEHD Data to Analyze Economic Development Districts](#)

[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 Bureau. The LEHD program combines these administrative data, additional administrative data and data from censuses and surveys. From these data, the program creates statistics on employment, earnings, and job flows at detailed levels of geography and industry and for different demographic groups. In addition, the LEHD program uses these data to create partially synthetic data on workers' residential patterns.

# OnTheMap Site

The screenshot displays the OnTheMap website interface. At the top, there is a navigation bar with 'OnTheMap' on the left and 'LEHD Home Help and Documentation Reload Text-Only' on the right. Below the navigation bar, there are tabs for 'Start', 'Base Map', and 'Selection'. A toolbar contains icons for 'Save', 'Load', 'Feedback', 'Previous Extent', and 'Hide Tabs'. The main content area is divided into several sections: 'Welcome to OnTheMap!' with introductory text and a link for '2012 and 2013 Data Now Available (07/06/2015)'; a 'Search' section with a text input field and a 'Search' button; an 'Import Geography' section with links for 'Import from KML', 'Import from SHP', and 'Import from GPS'; and a 'Load .OTM File' section with a 'Load' button. A map of the United States is shown in the center, with various cities labeled. A scale bar at the bottom left indicates 1000 km and 500 mi. A coordinate display at the bottom right shows '-99.82337, 62.81675'. The footer contains links for 'Privacy Policy', '2010 Census', 'Data Tools', 'Information Quality', 'Product Catalog', 'Contact Us', and 'Home', along with the source information: 'Source: U.S. Census Bureau, Center for Economic Studies | e-mail: CES.OnTheMap.Feedback@census.gov'.

Search by name of place or County

Select by importing a polygon or Shape

# OnTheMap Analysis

The screenshot displays the OnTheMap web application interface. At the top, the title "OnTheMap" is on the left, and "LEHD Home Help and Documentation Reload Text-Only" is on the right. Below the title bar is a navigation menu with "Start", "Base Map", and "Selection" options. A toolbar contains "Save", "Load", "Feedback", "Previous Extent", and "Hide Tabs" buttons. The left sidebar contains a "Welcome to OnTheMap!" message, a search bar with "dunkalk" entered, and a list of search categories such as "States", "Counties", "Places (Cities, CDPs, etc.)", "ZIP Codes (ZCTA)", "Metropolitan/Micropolitan Areas (CBSA)", "Workforce Investment Areas (WIA)", "County Subdivisions", "114th Congressional Districts", "Census Block Groups", "Census Tracts", "Unified/Elementary Schools Districts", "Secondary School Districts", "State Legislative Districts (Upper)", "State Legislative Districts (Lower)", "Alaska Native Regional Corp. (ANRC)", "Tribal Lands", "Tribal Subdivisions", and "Military Bases". The main map area shows a satellite-style view of Baltimore, MD, with a red diamond marker on Dundalk. A popup window for "Dundalk CDP, MD" is open, displaying the following information: "Dundalk CDP, MD from Places (Cities, CDPs, etc.)", "Selection Area: 17.387 Sq. Mi", and "Census Blocks: 1.636". The "Perform Analysis on Selection Area" link in the popup is circled in red. The bottom of the interface features a footer with "Privacy Policy | 2010 Census | Data Tools | Information Quality | Product Catalog | Contact Us | Home" and "Source: U.S. Census Bureau, Center for Economic Studies | e-mail: CES.OnTheMap.Feedback@census.gov". The Maryland Department of Planning logo is visible in the bottom right corner.

# OnTheMap Analysis

**Analysis Settings**

Area Profile Analysis in 2014 by Primary Jobs

**Home/Work Area**  
Determines whether the selection area is analyzed on where workers live ("Home") or where workers are employed ("Work").

Home  
 Work

**Analysis Type**  
Determines the type of results that will be generated for the selected area.

**Area Profile**  
Labor Market Segment:  
All Workers

**Area Comparison**  
Areas to Compare:  
Places (Cities, CDPs, etc.)  
Labor Market Segment:  
All Workers

**Distance/Direction**

**Destination**  
Destination Type:  
Places (Cities, CDPs, etc.)

**Inflow/Outflow**  
Note: Home/Work choice does not affect results

**Year**  
Determines the year(s) of data that will be processed in the analysis.

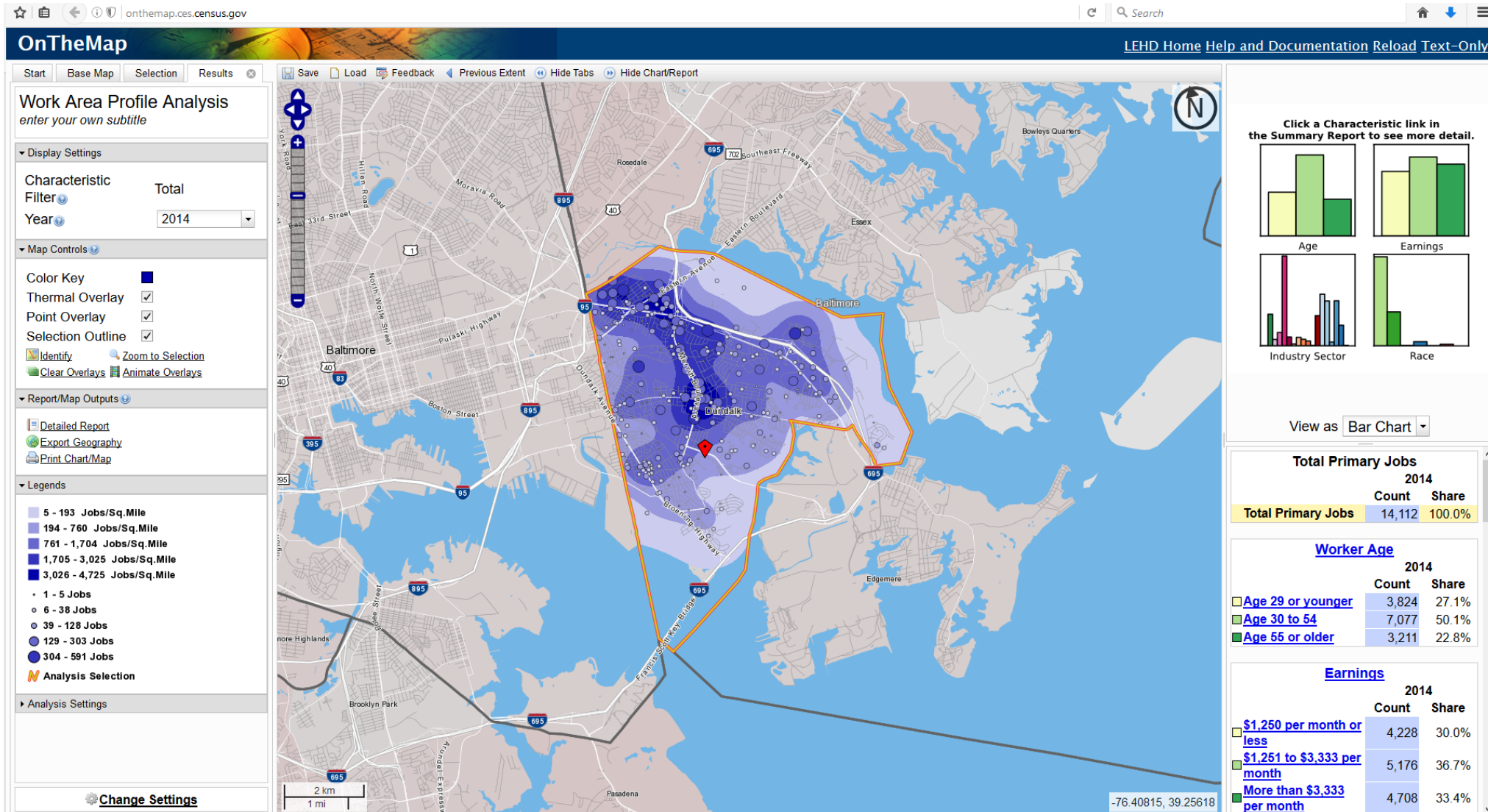
2014  
 2013  
 2012  
 2011  
 2010  
 2009  
 2008  
 2007  
 2006  
 2005  
 2004  
 2003  
 2002

**Job Type**  
Determines the scope of jobs that will be processed in the analysis.

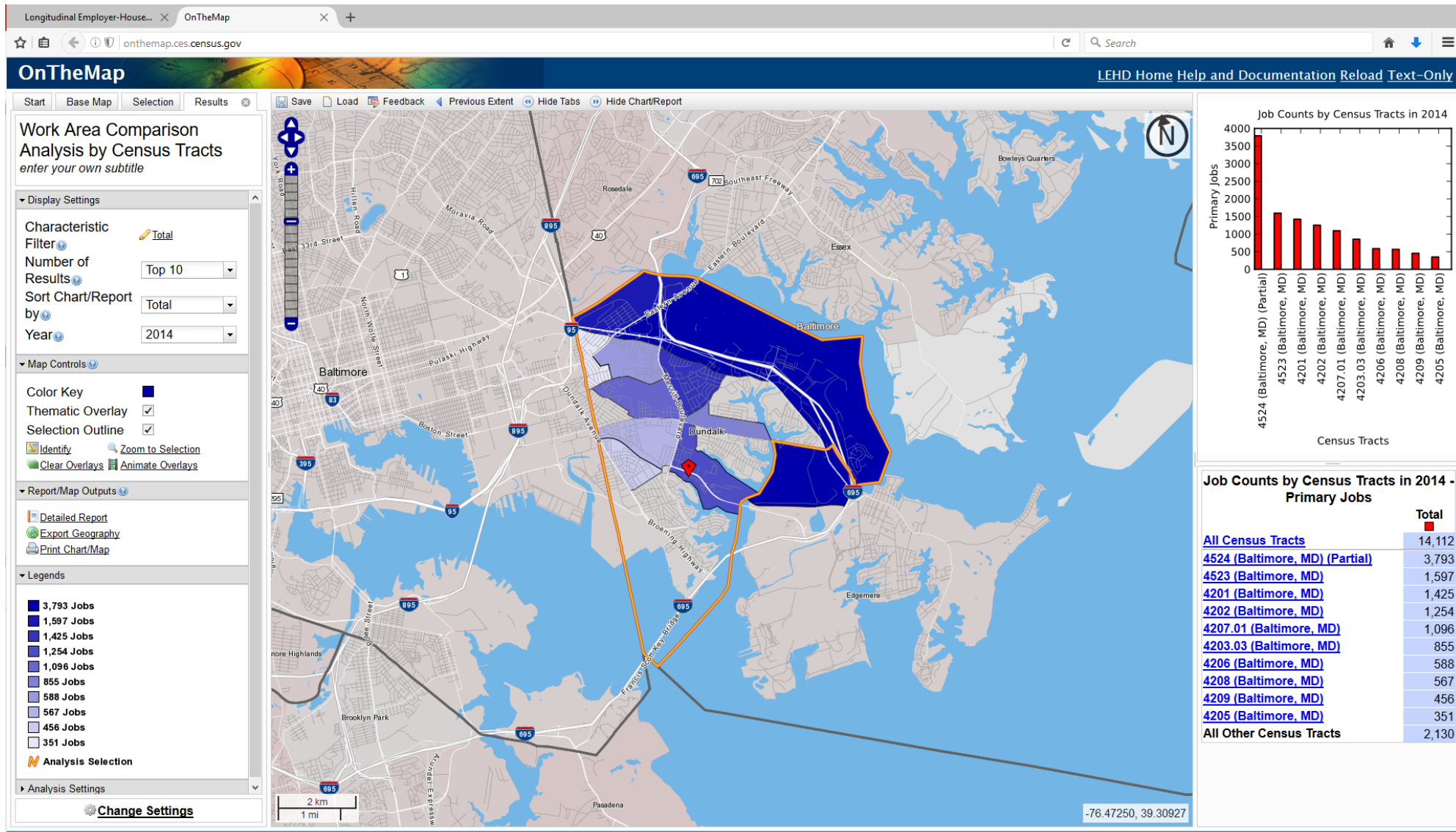
All Jobs  
 **Primary Jobs**  
 All Private Jobs  
 Private Primary Jobs

Cancel

# Area Profile



# Area Comparison



# Distance Direction

OnTheMap

LEHD Home Help and Documentation Reload Text-Only

Distance/Direction Analysis  
Work to Home

Display Settings

Labor Market Segment Filter: All Workers

Year: 2014

Map Controls

Color Key

- Thermal Overlay
- Point Overlay
- Selection Outline

Report/Map Outputs

- Detailed Report
- Export Geography
- Print Chart/Map

Legends

- 5 - 21 Jobs/Sq.Mile
- 22 - 71 Jobs/Sq.Mile
- 72 - 155 Jobs/Sq.Mile
- 156 - 271 Jobs/Sq.Mile
- 272 - 422 Jobs/Sq.Mile
- 1 - 2 Jobs
- 3 - 6 Jobs
- 7 - 12 Jobs
- 13 - 22 Jobs
- 23 - 34 Jobs
- Analysis Selection

Analysis Settings

Change Settings

Job Counts by Distance/Direction in 2014  
All Workers

View as: Radar Chart

Jobs by Distance - Work Census  
Block to Home Census Block  
2014

	Count	Share
Total Primary Jobs	14,112	100.0%
Less than 10 miles	7,721	54.7%
10 to 24 miles	3,764	26.7%
25 to 50 miles	1,770	12.5%
Greater than 50 miles	857	6.1%

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# Destination Analysis

Longitudinal Employer-House... OnTheMap

onthemap.ces.census.gov

OnTheMap LEHD Home Help and Documentation Reload Text-Only

Start Base Map Selection Results

### Home Destination Analysis by Places (Cities, CDPs, etc.)

Display Settings

Labor Market Segment Filter: All Workers

Number of Results: Top 10

Year: 2014

Map Controls

Color Key

Thematic Overlay

Spoke Overlay

Selection Outline

Identify Zoom to Selection

Clear Overlays Animate Overlays

Report/Map Outputs

Detailed Report

Export Geography

Print Chart/Map

Legends

- 2,527 Jobs
- 2,275 Jobs
- 586 Jobs
- 349 Jobs
- 299 Jobs
- 241 Jobs
- 217 Jobs
- 212 Jobs
- 197 Jobs
- 196 Jobs

Analysis Selection

Analysis Settings

Change Settings

Job Counts by Home Places (Cities, CDPs, etc.) in 2014  
All Workers

Note: Jobs in All Other Locations (7,013) are not shown in chart.

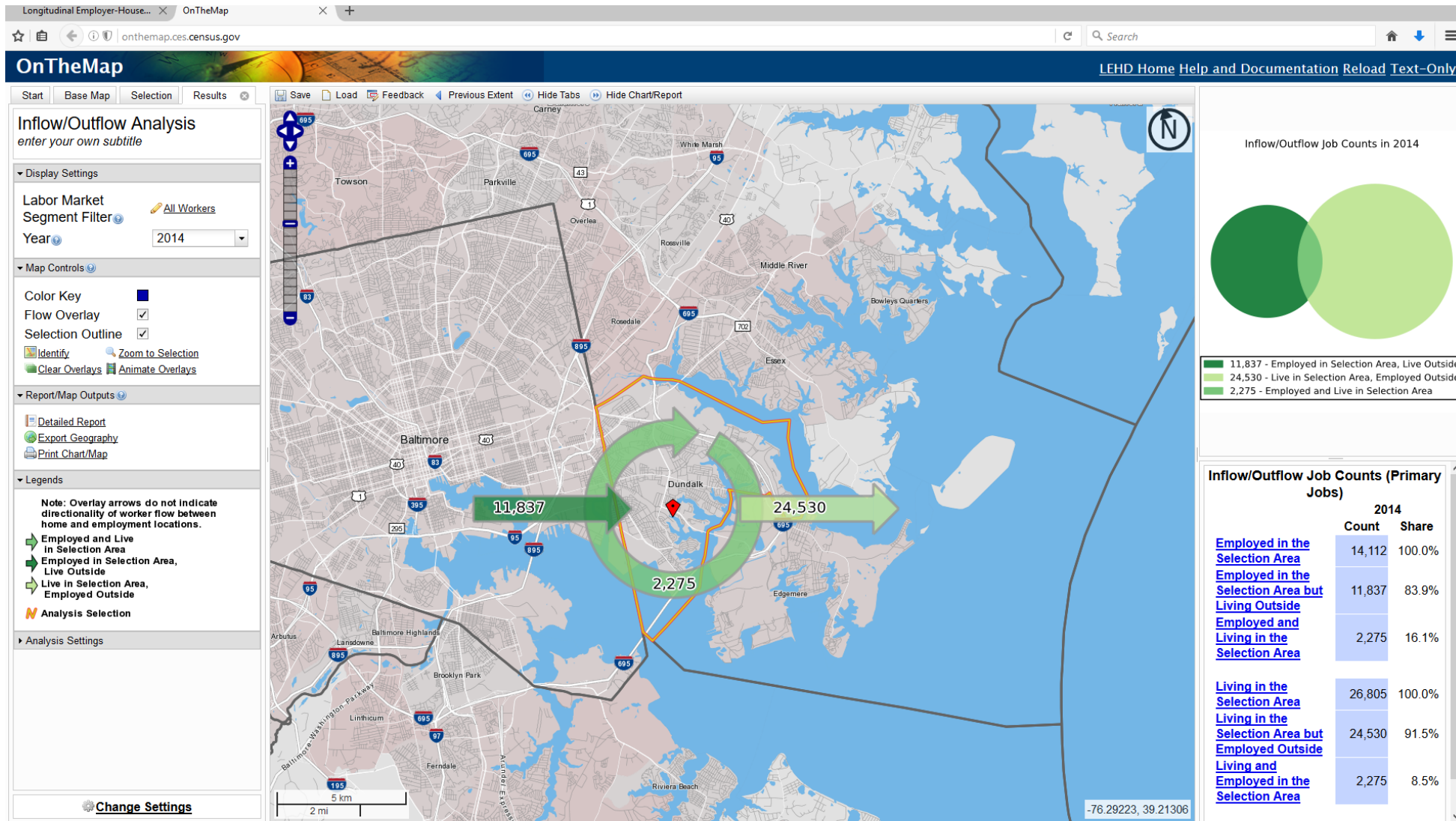
View as Bar Chart

### Jobs Counts by Places (Cities, CDPs, etc.) Where Workers Live - Primary Jobs

	2014	
	Count	Share
All Places (Cities, CDPs, etc.)	14,112	100.0%
Baltimore city, MD	2,527	17.9%
Dundalk CDP, MD	2,275	16.1%
Essex CDP, MD	586	4.2%
Middle River CDP, MD	349	2.5%
Edgemere CDP, MD	299	2.1%
Parkville CDP, MD	241	1.7%
Perry Hall CDP, MD	217	1.5%
Glen Burnie CDP, MD	212	1.5%
Carney CDP, MD	197	1.4%
Towson CDP, MD	196	1.4%
All Other Locations	7,013	49.7%

-76.54761, 39.16713

# Inflow Outflow



# Export Data

Change Analysis Year

Export geography, data and print charts

The screenshot shows the OnTheMap web application interface. The main map displays Baltimore, Maryland, with a selection area around Dundalk. Three large green arrows indicate job counts: 11,837 (employed in selection area, live outside), 24,530 (live in selection area, employed outside), and 2,275 (employed and live in selection area). The left sidebar contains settings for 'Inflow/Outflow Analysis' for the year 2014. The right sidebar features a Venn diagram and a table of job counts.

**Inflow/Outflow Job Counts in 2014**

- 11,837 - Employed in Selection Area, Live Outside
- 24,530 - Live in Selection Area, Employed Outside
- 2,275 - Employed and Live in Selection Area

**Inflow/Outflow Job Counts (Primary Jobs)**

	2014	
	Count	Share
<a href="#">Employed in the Selection Area</a>	14,112	100.0%
<a href="#">Employed in the Selection Area but Living Outside</a>	11,837	83.9%
<a href="#">Employed and Living in the Selection Area</a>	2,275	16.1%
<a href="#">Living in the Selection Area</a>	26,805	100.0%
<a href="#">Living in the Selection Area but Employed Outside</a>	24,530	91.5%
<a href="#">Living and Employed in the Selection Area</a>	2,275	8.5%

# LODES Data

The screenshot shows the website for the Longitudinal Employer-Household Dynamics (LEHD) program. The main navigation bar includes links for Topics, Geography, Library, Data, About the Bureau, and Newsroom. The page title is "Longitudinal Employer-Household Dynamics". A secondary navigation bar contains links for Main, Applications, Data, Learn More, Research, State Partners, and Partner with Us. On the left side, there are sections for Applications, Useful Links, and Contact Information. The "Useful Links" section has "LODES Data" circled in red. The main content area features a blue box with text about the initial release of National Quarterly Workforce Indicators (QWI) and a line graph titled "Age=35-44 Sex=Male" showing the Real-Quarter Hiring Rate from 1994 to 2013 for three sectors: Recession, Manufacturing, and Wholesale Trade. The "What's New?" section includes a link to "Using LEHD Data to Analyze Economic Development Districts" dated 10/08/15. The "About Us" section describes the LEHD program as part of the Center for Economic Studies at the U.S. Census Bureau, which produces new, cost-effective, public-use information combining federal, state, and Census Bureau data.

Longitudinal Employer-Household Dynamics

United States Census Bureau

Topics: Population, Economy | Geography: Maps, Geographic Data | Library: Infographics, Publications | Data: Tools, Developers | About the Bureau: Research, Surveys | Newsroom: News, Events, Blogs

You are here: [Census.gov](#) > [Business & Industry](#) > [Center for Economic Studies](#) > [Longitudinal Employer-Household Dynamics](#)

## Longitudinal Employer-Household Dynamics

Main | Applications | Data | Learn More | Research | State Partners | Partner with Us

### 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.LocalEmploymentDynamics@census.gov](mailto:CES.LocalEmploymentDynamics@census.gov)

or

Call us at (301) 763-8303

[Further contact information](#)

[Join an LEHD mailing list](#)

[View National QWI Data Page](#)

1 2 3 4 5 6 7 8 >

### What's New?

- 10/08/15: [Using LEHD Data to Analyze Economic Development Districts](#)

[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 Bureau. The LEHD program combines these administrative data, additional administrative data and data from censuses and surveys. From these data, the program creates

[lehd.ces.census.gov/data/#lodes](#)

# LODES Data

The screenshot shows the OnTheMap website interface for downloading LODES data. The main content area is titled "LEHD Origin-Destination Employment Statistics (LODES)". It provides information about the data files, which are state-based and organized into three types: Origin-Destination (OD), Residence Area Characteristics (RAC), and Workplace Area Characteristics (WAC). The data is available for most states for the years 2002-2013. A "Download LODES data\*" section contains three dropdown menus: "Version:" set to "LODES7", "State/Territory:" set to "Maryland", and "Type:" set to "Origin-Destination (OD)". Below these menus are "View Files" and "Close" buttons. A table lists the available data files, including their names, dates, and sizes. A sidebar on the right titled "LODES Help" contains a list of links, with "OnTheMap Data Notices" circled in red.

**LEHD Origin-Destination Employment Statistics (LODES)**

LEHD Origin-Destination Employment Statistics (LODES) used by [OnTheMap](#) are available for download below. Version 7 of LODES was enumerated by 2010 census blocks. Previous versions of LODES were enumerated with 2000 census blocks.

Data files are state-based and organized into three types: Origin-Destination (OD), Residence Area Characteristics (RAC), and Workplace Area Characteristics (WAC), all at census block geographic detail. Data is available for most states for the years 2002-2013.

To browse the LODES 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/lodes/>.

**Download LODES data\*:**

Version:  State/Territory:  Type:

[View Files](#) [Close](#)

[Metadata for MD](#) | [Geography crosswalk for MD](#) | [MD md5sum file](#)

<a href="#">md_od_aux_JT00_2002.csv.gz</a>	29 Jun 2015 20:01	1 MB
<a href="#">md_od_aux_JT00_2003.csv.gz</a>	29 Jun 2015 20:01	1 MB
<a href="#">md_od_aux_JT00_2004.csv.gz</a>	29 Jun 2015 20:01	1 MB
<a href="#">md_od_aux_JT00_2005.csv.gz</a>	29 Jun 2015 20:01	1 MB
<a href="#">md_od_aux_JT00_2006.csv.gz</a>	29 Jun 2015 20:01	1 MB
<a href="#">md_od_aux_JT00_2007.csv.gz</a>	29 Jun 2015 20:01	2 MB
<a href="#">md_od_aux_JT00_2008.csv.gz</a>	29 Jun 2015 20:01	2 MB
<a href="#">md_od_aux_JT00_2009.csv.gz</a>	29 Jun 2015 20:01	2 MB
<a href="#">md_od_aux_JT00_2010.csv.gz</a>	29 Jun 2015 20:01	2 MB
<a href="#">md_od_aux_JT00_2011.csv.gz</a>	29 Jun 2015 20:01	2 MB
<a href="#">md_od_aux_JT00_2012.csv.gz</a>	29 Jun 2015 20:01	2 MB
<a href="#">md_od_aux_JT00_2013.csv.gz</a>	12 Aug 2015 09:35	2 MB
<a href="#">md_od_aux_JT01_2002.csv.gz</a>	29 Jun 2015 20:01	1 MB

**LODES Help**

Learn more about LODES by choosing one of the links below.

- [OnTheMap Data Notices](#) (4 KB)
- [LODES 7.1 Tech Doc](#) (60 KB)
- [LODES 7.0 Tech Doc](#) (60 KB)
- [LODES 6.1 Tech Doc](#) (52 KB)
- [LODES 5.0 Tech Doc](#) (44 KB)
- [Design Comparison Of LODES And ACS Commuting Data Products](#)



# Example

## Chesapeake Enterprise Zone

- Unemployment, income and poverty statistics for subject area compared with County data to highlight the need
- Bringing back jobs
- County and Maryland tax credits
  - Brownfields tax credits for cleanup
  - Baltimore Green Building for commercial buildings with LEED certification
  - Maryland Job Creation tax credit for 25 or more new jobs
  - Maryland Research and Development