



WORKFORCE DEVELOPMENT GRANT PROGRAM DATA RESOURCES DETAIL

West Virginia Department of Economic Development, Office of Broadband (WVDED) is launching its Broadband Workforce Development Grant Program in early 2025 to ensure that West Virginia has the talent it needs to meet the State's ambitious broadband deployment goals.

This broadband-focused labor market data guide provides additional detail for potential grant program applicants. It is designed to assist with identifying resources to understand baseline demographics, describe target occupations, set appropriate metrics, and navigate online tools.

Frequently Asked Questions (FAQs)

Why is data important to workforce development and program design?

- Data can offer insights into current labor market trends, skill gaps, demographic changes, and the effectiveness of existing training programs.

How can employing the appropriate descriptive data help grant applicants?

- Potential applicants will be evaluated on their ability to demonstrate that proposed activities will create a **credential of value**, are **developed in partnership** with training providers, employers, and community-based organizations, and demonstrate **cost effective and efficient programs**.
- Data from the resources outlined in this document can be used to help:
 - Identify geographic areas where occupational demand is high
 - Estimate potential improvements in labor force participation, wages, or unemployment to assess cost effectiveness and help assign value
 - Demonstrate the effect of barriers to education, training, and employment and why partners are involved

What challenges are there to using data to describe potential programs?

- Finding and applying the appropriate data can be time-consuming and frustrating.
- Disaggregated data sources across multiple agencies, inconsistent data collection methods, a lack of standardized reporting, and constraints on time and resources can frustrate efforts to build better programs and corresponding grant applications.

What data is most appropriate and how do we get assistance?

- Focusing on the most straightforward way to describe is often best.
- Use specific examples and avoid forcing grant reviewers to draw unsupported conclusions.
- Start with this detailed guide to determine if resources are available and easy to apply.
- Work with your partners to understand what descriptive elements you may use.
- Contact the Broadband Workforce Development Grant Program team for additional assistance in developing the appropriate framework for data acquisition and use.



O*NET OnLine - <https://www.onetonline.org/>

Developed under the sponsorship of the U.S. Department of Labor (USDOL), O*NET is the primary source of occupational information to further an understanding of the changes in demand for worker knowledge, skills, and abilities.

Geographic coverage

Occupational KSAs are aggregated at the national level. Wages, employment, licensure, training and job openings data are presented at the state level and for some zip codes.

Telecommunications Line Installers and Repairers
49-9052.00

Install and repair telecommunications cables, including fiber optics.

Sample of reported job titles: Cable Splicer, Cable Technician, Cable Television Technician (Cable TV Tech), Combination Technician, Field Service Technician, Installation and Repair Technician and IT Technicians, Installer, Lineman, Outside Plant Technician, Service Technician

Tasks

- Set up service for customers, installing, connecting, testing, or adjusting equipment.
- Travel to customers' premises to install, maintain, or repair audio and visual electronic reception equipment or accessories.
- Measure signal strength at stop points, using electronic test equipment.
- Inspect or test lines or cables, recording and analyzing test results, to assess transmission characteristics and locate faults or malfunctions.
- Splice cables, using hand tools, epoxy, or mechanical equipment.

Technology Skills

- Cloud-based data access and sharing software
- Electronic mail software
- Enterprise resource planning (ERP) software
- Facilities management software
- Spreadsheet software

Work Activities

- Performing General Physical Activities
- Operating Vehicles, Mechanical Devices, or Equipment
- Making Decisions and Solving Problems
- Handling and Moving Objects
- Identifying Objects, Actions, and Events

Key resources

- Customizable occupation reports that outline work activities, experience requirements, and worker characteristics.
- Comparable wage and employment trends, as well as job openings.
- Links to national associations, accreditation, certification, and unions.
- Crosswalks from various classification systems including the Military Occupational Classification (MOC) and the Registered Apprenticeship Partners Information Data System (RAPIDS) to SOC codes to target specific groups.

West Virginia Wages

49-9052.00 - Telecommunications Line Installers and Repairers



In West Virginia:

- Workers on average earn **\$80,810**.
- 10% of workers earn **\$56,570 or less**.
- 10% of workers earn **\$90,490 or more**.

How to Obtain the Data

- The **Occupation Keyword Search** facilitates research without formal jargon.
- Targeted resources are available for veterans and Spanish speaking populations.
- The full O*NET database is available under a Creative Commons license and data tables can be downloaded in Microsoft Excel, CSV (text), SQL, and Oracle formats.
- Customer-based training is available through a YouTube channel - <https://www.youtube.com/onetcenter>.

Occupation Keyword Search

Search: dental assistant

Examples: 25-1011.00, dental assistant

Search O*NET-SOC occupations

Find Occupations

- Bright Outlook
- Career Cluster
- Hot Technology
- Industry
- Job Family
- Job Zone
- STEM
- All Occupations

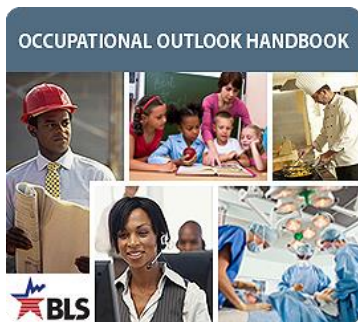


U.S. Bureau of Labor Statistics - <https://www.bls.gov/>

The Bureau of Labor Statistics (BLS) collects, calculates, analyzes, and publishes data on labor market activity, working conditions, price changes, and productivity in the U.S. economy.

Geographic coverage

Data is available for the nation, states, metro- and micropolitan areas, counties, cities and Census regions.



How to Obtain the Data

- The **Occupation Keyword Search** facilitates research without formal jargon.
- Targeted resources are available for veterans and Spanish speaking populations.
- Filters and formatting options are available, as well as graphing outputs.
- The BLS has multiple data retrieval tools allows users to quickly retrieve timeseries data. Via keyword and query-based searches, maps, and an API.
- BLS publishes an information guide to help users obtain and understand their data resources.

<https://www.bls.gov/informatio-n-guide/home.htm>

Key resources

- Industry estimates of nonfarm employment, hours, and earnings of workers on payrolls - **Current Employment Statistics (CES)**
- Monthly and annual estimates of job openings, hires, and separations - **Job Openings and Labor Turnover Survey (JOLTS)**
- Employment and wage estimates annually for approximately 830 occupations - **Occupational Employment & Wage Statistics (OEWS)**
- Monthly and annual employment, unemployment, and labor force data - **Local Area Unemployment Statistics (LAUS)**
- Location quotients (LQs), comparing the concentration of an industry within a specific area to the concentration of that industry nationwide **Quarterly Census of Employment and Wages (QCEW)**



U.S. BUREAU OF LABOR STATISTICS

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Bureau of Labor Statistics > Data Tools > Data Retrieval Tools

Data Retrieval Tools

BLS Popular Series Allows users to quickly retrieve most commonly requested BLS timeseries data.	Series Report Provides experienced users of BLS data with one of the quickest form of access to BLS time series data on our website. As input, the Series Report application requires a Series ID and date range.	Top Picks Allows users to quickly retrieve BLS time series data from lists of those most commonly requested.
One screen This application requires a JavaScript-enabled browser. Choose the data you want from BLS databases on a simple, one-screen form.	Multi-screen A form-based query application which allows you to obtain BLS time series data based on choices you make.	Maps An interactive application that allows users to obtain geographic economic data through maps, charts, and tables.
Calculators Allows users to calculate the current value of dollar amounts from years ago or compute injury and illness incidence rates.	Data Finder Allows users to conveniently search multiple data sets all at once. Users can extract specific data by searching by keyword or by filtering through multiple topics, measures, and attributes.	Public Data API The BLS Public Data API gives the public access to economic data from all BLS programs.



The Census Bureau maintains a variety of survey, mapping, and data products designed to provide information relating to demographics, housing, businesses, program participation, public finance, and geography assist government programs with planning decisions about community services

Geographic coverage

Available data ranges from national estimates down to the Census block (for select programs).

How to Obtain the Data

- Pre-built tables can be downloaded in PDF, Microsoft Excel, or HTML formats, or users can create customized tables through one- or multi-screen prompts at <https://data.census.gov/>.
- The Advanced Search option breaks down available data by geography, topic area, survey product, year coverage, and codes for industry, occupation and commodity.
- Site FAQs provide extensive tutorials and step-by-step processes for finding, obtaining, and using Census data.
- Additionally, the Census Bureau maintains the Census Academy as a training hub for its data resources (<https://www.census.gov/data/academy.html>).
- Application Programming Interfaces (APIs) are also available.

Key resources

- Annual releases of social, demographic and housing characteristics - **American Community Survey (ACS)**
- The official count of the entire population of the U.S. conducted every 10 years, providing the most accurate demographic information available - **Decennial Census of Population and Housing**
- Subnational economic data for establishments with paid employees by industry and employment size - **County and Zip Code Business Patterns**

find tables

Explore the thousands of tables we have. We are adding new tables every week.

[Explore Tables](#)

build maps

Build customized maps from any variable in our data tables. Just select your geographies.

[Explore Maps](#)



National Center for Education Statistics - <https://nces.ed.gov/>

NCES is the primary statistical agency of the U.S. Department of Education, reporting information on the academic performance of the nation's students as well as the literacy level of the adult population.

Geographic coverage

Data is available for the nation, states, counties, metropolitan areas.

How to Obtain the Data

- Information is available as data tables, charts, graphics, summary publications, and via links to comparative data resources from various federal programs.
- The DataLab Learning Center is a hub for learning materials designed to help analysts download and understand data.

Use The Data

Access IPEDS data submitted to NCES through our data tools or download the data to conduct your research.



Search Existing Data



Create Custom Data Analyses



Download Survey Data



[View All Data Tools and Resources](#) →

Key resources

- A system of interrelated surveys reporting institutional characteristics including prices, admission, enrollment, financial aid, degrees and certificates conferred, and student success - **Integrated Postsecondary Education Data System (IPEDS)**
- Public and private school data and create custom tables and charts using data from the **Common Core of Data (CCD)** and **Private School Survey (PSS) Elementary/Secondary Information System (EISi)**



Featured Data Tool:

Trend Generator

Use the Trend Generator to view trends on most frequently asked subject areas including: Enrollment, Completions, Graduation Rates, Employees and Staff, Institutional Revenues, and Financial Aid.



U.S. Bureau of Economic Analysis - <https://www.bea.gov/>

The Bureau of Economic Analysis produces economic accounts statistics that enable government and business decision-makers, researchers, and the American public to follow and understand the performance of the nation's economy.

Geographic coverage

Data is available for the nation, states, counties, metropolitan areas, and U.S. regions.

How to Obtain the Data

- Pre-built tables can be downloaded in PDF, Microsoft Excel, or HTML formats, or users can create customized tables through multi-screen prompts.
- BEA's Interactive Data Application uses a "tabbed" browser experience to print, save and export national, international, regional or industry statistics.
- A video tutorial walk users through the process. <https://www.youtube.com/watch?v=dKepMohyPys>.
- BEA also produces Recent Highlights and Historical Comparisons for each data topic.
- Several Multimedia resources are available to help users understand variables and data concepts.

Key resources

- Employment by industry – the number of workers earning a wage or salary, along with those who are self-employed.
- Personal income, and components of income (wages, transfer payments, dividends and interest) and population estimates.
- Consumer spending by product and function, including various durable and non-durable goods and services.
- Gross domestic product by state and industry and regional price parity information.

Interactive Data Application

— General —

What is the Interactive Data Application?

— National Data —

Gross Domestic Product
Personal Income

Fixed Assets

— Industry Data —

GDP by Industry

Input-Output

— International Data —

International Transactions
International Services
International Investment Position (IIP)

Direct Investment
Multinational Enterprises (MNEs)

— Regional Data —

Gross Domestic Product
Personal Income

What is the Interactive Data Application?

BEA's interactive data application is the one stop shop for accessing BEA data on the fly. The interactive application makes it easier to access and use our statistics by providing a common look and feel for users accessing national, international, regional or industry statistics. The application makes the data easier to print, save and export. The charting features are robust and visually appealing. The application also allows for data sharing with others via a number of social tools.

BEA updates its data in near real time. During BEA news releases there might be a slight delay in accessing the most recent data but access to supplemental data files is always available.

The interactive data application organizes data by account and topic. The application uses a "tabbed" browser experience common to many e-commerce and other standard Web sites. Navigating between data sets and accessing and changing query parameters is easy, as they are similar across all datasets.



Workforce West Virginia's labor market and occupation-specific data can help applicants isolate regions of interest for targeting programmatic activities, establish baseline estimates, and identify wage, employment and industry trends.

Geographic coverage

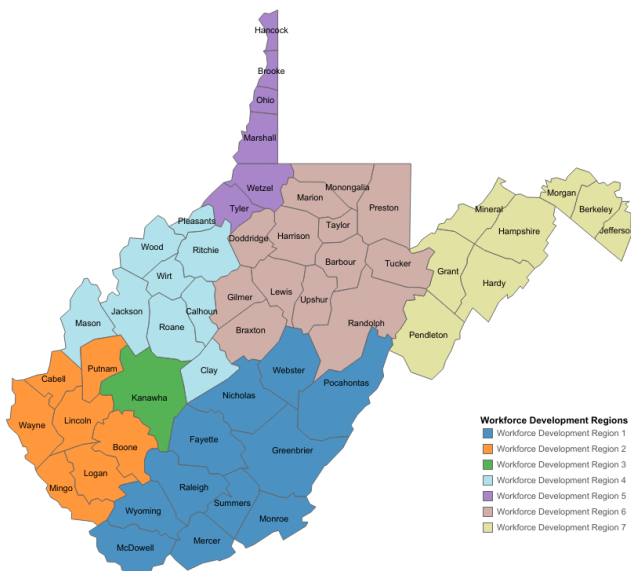
Data is available for the State, Workforce Development Region, County, and/or Metropolitan Statistical Area.

How to Obtain the Data

- Information is available as data tables, charts, graphics, summary publications, and via links to comparative data resources from various federal programs.
- Much of the data is presented in Tableau format, which can be extracted and detailed instructions are available at <http://lmi.workforcewv.org/DataExtraction.html>.

Key resources

- Annual and monthly labor force statistics include civilian labor force, employment, unemployment rate and employment by industry.
- Occupational wage data includes estimates of employment by SOC code and wages at multiple wage levels.
- Employment projections and components of change help illustrate growth rates and anticipated demand.
- Unemployment claims data illustrate claimant characteristics by demographic, occupation, and geography and can inform demand for wrap-around services.



SOC	Occupational Title	2023 Estimated Employment	Mean Wage**	Entry Wage*	Experienced Wage**	Median Wage
00-0000	All Occupations	686,670	\$51,818.10	\$26,848.22	\$67,302.83	\$41,002.80
11-0000	Management Occupations	40,130	\$205,236.94	\$49,837.91	\$133,285.96	\$85,529.05
11-0011	Chief Executives	1,060	\$223,482.45	\$103,317.52	\$178,084.53	\$176,273.89
11-1021	General and Operations Managers	24,952	\$96,437.97	\$45,624.91	\$121,843.99	\$77,738.13
11-2011	Advertising and Promotions Managers	30	\$76,969.89	\$53,770.25	\$88,569.20	\$63,307.01
11-2021	Marketing Managers	208	\$115,016.17	\$65,775.18	\$140,126.46	\$100,991.04
11-2022	Sales Managers	1,050	\$127,729.44	\$63,709.80	\$180,679.76	\$106,398.30
11-2023	Computer and Information Systems Managers	1,130	\$154,764.36	\$105,372.02	\$179,460.53	\$148,954.45
11-3021	Financial Managers	2,120	\$117,188.49	\$64,085.07	\$143,740.71	\$98,975.29
11-3051	Industrial Production Managers	800	\$205,904.89	\$73,831.80	\$162,542.26	\$107,613.86
11-3061	Purchasing Managers	160	\$139,212.23	\$98,132.18	\$198,752.76	\$135,567.72
11-3071	Transportation, Storage, and Distribution Managers	420	\$104,886.47	\$65,276.32	\$124,690.95	\$97,286.74
11-3111	Compensation and Benefits Managers	40	\$112,170.58	\$67,928.29	\$134,203.17	\$114,370.41
11-3121	Human Resources Managers	640	\$117,582.85	\$74,574.03	\$139,097.26	\$106,253.96
11-3131	Training and Development Managers	70	\$99,242.00	\$69,059.79	\$119,363.10	\$92,168.64
11-9021	Construction Managers	370	\$101,430.47	\$60,745.48	\$119,272.96	\$82,423.69
11-9031	Education and Childcare Administrators, Preschool and Daycare	330	\$50,400.26	\$32,974.63	\$58,114.06	\$42,712.21
11-9032	Education Administrators, Kindergarten through Secondary	1,460	\$79,494.82	\$57,013.22	\$90,795.63	\$80,482.50
11-9033	Education Administrators, Postsecondary	1,340	\$111,137.33	\$59,221.64	\$140,094.16	\$88,302.00
11-9041	Architectural and Engineering Managers	300	\$151,473.34	\$108,086.44	\$172,787.87	\$143,346.22
11-9051	Food Service Managers	1,280	\$51,135.17	\$38,862.41	\$60,271.56	\$47,340.88
11-9071	Gaming Managers	40	\$92,405.25	\$63,437.22	\$106,899.27	\$83,679.14
11-9081	Lodging Managers	160	\$65,800.79	\$42,711.77	\$77,184.79	\$61,690.23



Regional surveys, economic indicators and in-depth analysis of the communities in the District which covers North and South Carolina, Maryland, Virginia, Washington, D.C., and most of West Virginia.

Geographic coverage

Data is available for the nation, Richmond Region states, rural and urban areas, counties, and metropolitan areas.

How to Obtain the Data

- Information is available as data tables, charts, graphics, summary publications, and via links to comparative data resources from various federal programs.

Key resources

- Data and analysis of labor market, housing, and other conditions at the state and metro area level - Regional Economic Snapshot
- County-level demographic and economic indicators to enhance understanding of rural-urban differences in the Fifth District - Rural-Urban Data Maps
- Reports that provide graphs, maps, and tables visualizing select variable American Community Survey data - Educational Attainment

Regional Economy >



Regional Matters

These posts examine local, regional and national data that matter to the Fifth District economy and our communities.



Surveys of Business Activity

Each month, we ask Fifth District business owners about recent changes in economic conditions and their expectations.



Reports and Economic Indicators

Beyond its surveys of business owners, the Richmond Fed tracks economic trends in the Fifth District and publishes its findings.



Rural-Urban Comparison Maps

This series of interactive maps showcases differences in demographic and economic indicators across the rural-urban landscape of the Fifth District.

WVDED is committed to supporting interested applicants by providing assistance with data resources.

Our workforce planning team is available to answer inquiries specifically related to using education, employment, and labor force data to craft better workforce training programs and activities.

For more information, please contact:

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West Virginia Grant Resource Centers

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West Virginia Digital Equity Asset Map

This asset map and dashboard is meant to display all digital equity assets currently available to West Virginia residents.

<https://detest-wvbroadband.hub.arcgis.com/>

West Virginia Broadband Availability Map

<https://experience.arcgis.com/experience/1289f8f2fe6042be833e3cd863551e88>



For updated application information, deadlines, and FAQs, visit broadband.wv.gov