

Economy Overview

28 Counties

Emsi Q1 2017 Data Set

February 2017

West Virginia Department of Commerce
Charleston, West Virginia 25305
3045582234

Parameters

Regions

28 items selected. See Appendix A for details.

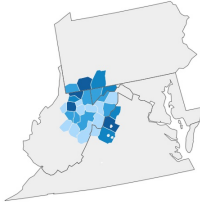
Timeframe

2015 - 2016

Datarun

2017.1 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors

Economy Overview



Population (2016)	1,046,150
Jobs (2016)	509,807
Average Earnings (2016)	\$43,314
Unemployed (10/2016)	26,057
Completions (2015)	14,817
GRP (2016)	\$37,573,484,967
Exports (2016)	\$62,670,302,103
Imports (2016)	\$63,036,390,253

Population

1,046,150

2016 Population
3.6% of State

-0.1%

Population Growth for the Last 5 Years
State Growth 2.2%

Age Group	2016 Population	% of Population	
Under 5 years	54,240	5.2%	
5 to 9 years	55,177	5.3%	
10 to 14 years	57,259	5.5%	
15 to 19 years	64,200	6.1%	
20 to 24 years	74,029	7.1%	
25 to 29 years	65,388	6.3%	
30 to 34 years	62,562	6.0%	
35 to 39 years	59,910	5.7%	
40 to 44 years	63,080	6.0%	
45 to 49 years	66,909	6.4%	
50 to 54 years	73,409	7.0%	
55 to 59 years	76,839	7.3%	
60 to 64 years	72,908	7.0%	
65 to 69 years	66,310	6.3%	
70 to 74 years	49,708	4.8%	
75 to 79 years	35,389	3.4%	
80 to 84 years	24,059	2.3%	
85 years and over	24,774	2.4%	

Jobs by Industry

509,807






















Total Jobs (2016)

54.5%

Male
(National: 53.0%)

45.5%

Female
(National: 47.0%)

NAICS	Industry	2016 Jobs
11	Crop and Animal Production	19,922 
21	Mining, Quarrying, and Oil and Gas Extraction	17,132 
22	Utilities	2,676 
23	Construction	30,368 
31	Manufacturing	43,907 
42	Wholesale Trade	11,825 
44	Retail Trade	56,612 
48	Transportation and Warehousing	21,176 
51	Information	5,718 
52	Finance and Insurance	12,247 
53	Real Estate and Rental and Leasing	18,603 
54	Professional, Scientific, and Technical Services	19,558 
55	Management of Companies and Enterprises	3,501 
56	Administrative and Support and Waste Management and Remediation Services	18,690 
61	Educational Services	7,757 
62	Health Care and Social Assistance	68,034 
71	Arts, Entertainment, and Recreation	8,008 
72	Accommodation and Food Services	39,631 
81	Other Services (except Public Administration)	26,789 
90	Government	77,561 
99	Unclassified Industry	92 

Average Earnings by Industry

\$43,314

Avg. Earnings (2016)



















78% of Nation Avg.

NAICS	Industry	Avg. Earnings (2016)
11	Crop and Animal Production	\$22,505
21	Mining, Quarrying, and Oil and Gas Extraction	\$68,952
22	Utilities	\$108,126
23	Construction	\$43,092
31	Manufacturing	\$61,071
42	Wholesale Trade	\$55,669
44	Retail Trade	\$27,404
48	Transportation and Warehousing	\$51,546
51	Information	\$49,136
52	Finance and Insurance	\$44,591
53	Real Estate and Rental and Leasing	\$26,849
54	Professional, Scientific, and Technical Services	\$49,634
55	Management of Companies and Enterprises	\$84,776
56	Administrative and Support and Waste Management and Remediation Services	\$28,473
61	Educational Services	\$23,082
62	Health Care and Social Assistance	\$49,986
71	Arts, Entertainment, and Recreation	\$15,758
72	Accommodation and Food Services	\$18,524
81	Other Services (except Public Administration)	\$22,908
90	Government	\$60,436
99	Unclassified Industry	\$42,316





Unemployment by Industry

26,057

Total Unemployment (10/2016)






















NAICS	Industry	Unemployed (10/2016)	% of Regional Unemployment
11	Crop and Animal Production	78	0%
21	Mining, Quarrying, and Oil and Gas Extraction	1,086	4% 
22	Utilities	81	0%
23	Construction	2,217	9% 
31	Manufacturing	2,408	9% 
42	Wholesale Trade	342	1% 
44	Retail Trade	3,434	13% 
48	Transportation and Warehousing	938	4% 
51	Information	144	1% 
52	Finance and Insurance	250	1% 
53	Real Estate and Rental and Leasing	225	1% 
54	Professional, Scientific, and Technical Services	597	2% 
55	Management of Companies and Enterprises	19	0%
56	Administrative and Support and Waste Management and Remediation Services	819	3% 
61	Educational Services	340	1% 
62	Health Care and Social Assistance	2,298	9% 
71	Arts, Entertainment, and Recreation	270	1% 
72	Accommodation and Food Services	2,991	11% 
81	Other Services (except Public Administration)	1,052	4% 
90	Government	2,210	8% 
99	No Previous Work Experience/Unspecified	4,260	16% 

Top Program Completions

CIP	Program	Completions (2015)	
51	Health professions and related programs	2,872	
52	Business, management, marketing, and related support services	2,000	
24	Liberal arts and sciences, general studies and humanities	1,390	
13	Education	1,045	
14	Engineering	802	
09	Communication, journalism, and related programs	647	
45	Social sciences	553	
42	Psychology	531	
26	Biological and biomedical sciences	499	
30	Multi/interdisciplinary studies	427	

Gross Regional Product (GRP)

\$22,861,733,190	\$11,776,437,300	\$2,935,314,478	\$37,573,
Earnings (2016)	Property Income (2016)	Taxes on Production (2016)	Total GRI

NAICS	Industry	GRP (2016)	% of Total	
11	Crop and Animal Production	\$710,397,092.26	2%	
21	Mining, Quarrying, and Oil and Gas Extraction	\$2,858,978,724.57	8%	
22	Utilities	\$990,340,500.47	3%	
23	Construction	\$1,872,286,901.43	5%	
31	Manufacturing	\$4,891,305,186.43	13%	
42	Wholesale Trade	\$1,597,472,509.09	4%	
44	Retail Trade	\$2,280,180,832.12	6%	
48	Transportation and Warehousing	\$1,471,595,997.34	4%	
51	Information	\$669,763,462.25	2%	
52	Finance and Insurance	\$1,015,443,669.94	3%	
53	Real Estate and Rental and Leasing	\$992,817,904.99	3%	
54	Professional, Scientific, and Technical Services	\$1,226,672,394.96	3%	
55	Management of Companies and Enterprises	\$355,231,904.45	1%	
56	Administrative and Support and Waste Management and Remediation Services	\$741,246,809.02	2%	
61	Educational Services	\$197,953,567.37	1%	
62	Health Care and Social Assistance	\$3,653,680,044.66	10%	
71	Arts, Entertainment, and Recreation	\$211,005,842.98	1%	
72	Accommodation and Food Services	\$1,099,566,197.53	3%	
81	Other Services (except Public Administration)	\$703,377,830.11	2%	
90	Government	\$5,417,072,847.43	14%	
	Other Non-Industries	\$4,617,094,747.64	12%	

Region Exports

\$62,670,302,103

Exports (2016)
75% of Supply

NAICS	Industry	Exports (2016)	
11	Crop and Animal Production	\$1,829,928,514	■
21	Mining, Quarrying, and Oil and Gas Extraction	\$5,065,442,594	■
22	Utilities	\$1,039,401,148	■
23	Construction	\$2,315,715,704	■
31	Manufacturing	\$13,125,009,869	■
42	Wholesale Trade	\$1,698,341,164	■
44	Retail Trade	\$1,876,874,821	■
48	Transportation and Warehousing	\$2,553,004,845	■
51	Information	\$662,158,101	■
52	Finance and Insurance	\$835,618,381	■
53	Real Estate and Rental and Leasing	\$1,236,254,679	■
54	Professional, Scientific, and Technical Services	\$1,023,249,311	■
55	Management of Companies and Enterprises	\$385,787,992	■
56	Administrative and Support and Waste Management and Remediation Services	\$798,235,616	■
61	Educational Services	\$202,459,565	■
62	Health Care and Social Assistance	\$3,649,403,243	■
71	Arts, Entertainment, and Recreation	\$258,457,861	■
72	Accommodation and Food Services	\$1,004,525,351	■
81	Other Services (except Public Administration)	\$627,712,012	■
90	Government	\$22,482,721,331	■





















Region Imports

\$63,036,390,253

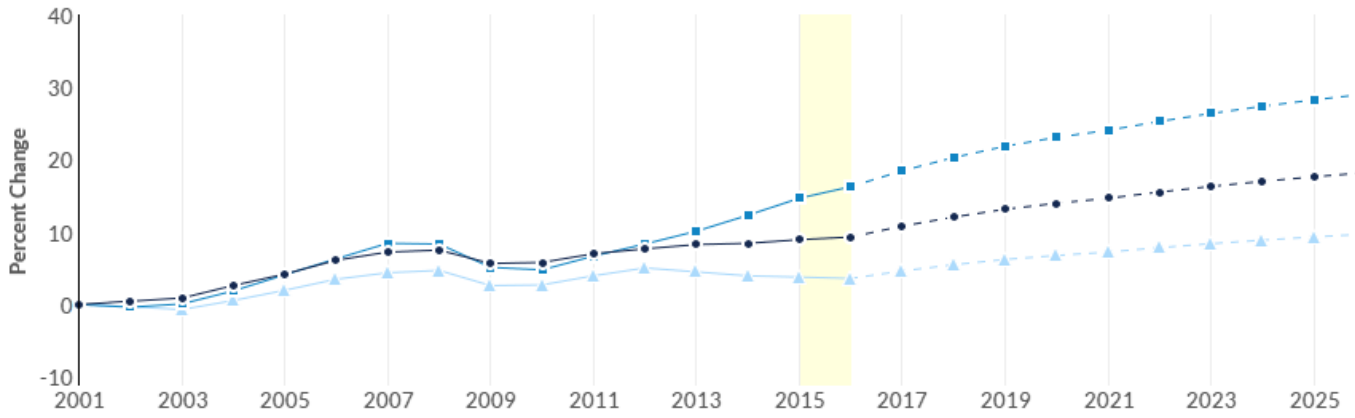
Imports (2016)
73% of Demand

\$23,104,864,211

Locally Produced & Consumed (2016)
27% of Demand

NAICS	Industry	Imports (2016)
11	Crop and Animal Production	\$1,884,953,678 
21	Mining, Quarrying, and Oil and Gas Extraction	\$761,092,711 
22	Utilities	\$507,587,501 
23	Construction	\$2,349,566,143 
31	Manufacturing	\$11,337,676,396 
42	Wholesale Trade	\$3,111,899,296 
44	Retail Trade	\$2,233,821,680 
48	Transportation and Warehousing	\$2,062,583,027 
51	Information	\$2,279,117,031 
52	Finance and Insurance	\$3,875,871,152 
53	Real Estate and Rental and Leasing	\$2,043,584,721 
54	Professional, Scientific, and Technical Services	\$3,027,239,743 
55	Management of Companies and Enterprises	\$1,462,295,776 
56	Administrative and Support and Waste Management and Remediation Services	\$1,258,699,301 
61	Educational Services	\$750,548,651 
62	Health Care and Social Assistance	\$3,035,648,415 
71	Arts, Entertainment, and Recreation	\$585,443,535 
72	Accommodation and Food Services	\$1,131,785,127 
81	Other Services (except Public Administration)	\$837,021,991 
90	Government	\$18,499,954,377 

Regional Trends



Region	2015 Jobs	2016 Jobs	Change	% Change
● Region	508,127	509,807	1,680	0.3%
■ Nation	189,088,607	191,719,012	2,630,405	1.4%
▲ West Virginia	903,585	901,903	-1,682	-0.2%

Growing & Declining Occupations

Occupation	Change in Jobs (2015-2016)
Real Estate Sales Agents	220
Property, Real Estate, and Community Association Managers	198
Managers, All Other	164
First-Line Supervisors of Construction Trades and Extraction Workers	-128
Operating Engineers and Other Construction Equipment Operators	-210
Heavy and Tractor-Trailer Truck Drivers	-288

Growing & Declining Industries

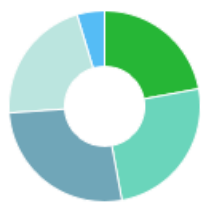
Industry	Change in Jobs (2015-2016)
Full-Service Restaurants	322
Crude Petroleum and Natural Gas Extraction	319
Animal Production and Aquaculture	251
Hotels (except Casino Hotels) and Motels	-297
Support Activities for Oil and Gas Operations	-402
Bituminous Coal Underground Mining	-730

2016 Educational Attainment



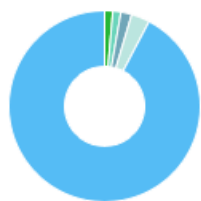
Education Level	2016 Population	2016 Percent
Less Than 9th Grade	46,993	6.3%
9th Grade to 12th Grade	62,602	8.4%
High School Diploma	323,989	43.7%
Some College	119,512	16.1%
Associate's Degree	48,156	6.5%
Bachelor's Degree	85,799	11.6%
Graduate Degree and Higher	54,193	7.3%

2016 Age Cohort Demographics



Age Cohort	2016 Population	2016 Percent
Under 20 years	230,877	22.1%
20 to 39 years	261,888	25.0%
40 to 59 years	280,237	26.8%
60 to 79 years	224,315	21.4%
80 years and over	48,833	4.7%

2016 Race/Ethnicity Demographics



Race/Ethnicity	2016 Population	2016 Percent
All Other Race/Ethnicities	14,437	1.4%
Two or More Races, Non-Hispanic	14,202	1.4%
White, Hispanic	19,201	1.8%
Black, Non-Hispanic	32,609	3.1%
White, Non-Hispanic	965,700	92.3%

Top Regional Businesses

Business Name	Business Size
Ruby Memorial Hospital	Large (250+)
Ruby Day Surgery Ctr	Large (250+)
Student Affairs	Large (250+)
Augusta Medical Ctr	Large (250+)
Western Md Health Syst	Large (250+)

Source: Infogroup Business-Level Data

DISCLAIMER: Business Data by Infogroup is third-party data provided by Emsi to its customers as a convenience, and Emsi does not endorse or warrant its accuracy or consistency with other published Emsi data.

Appendix A - Regions

Code	Description
24001	Allegany County, MD
24023	Garrett County, MD
42051	Fayette County, PA
42059	Greene County, PA
42111	Somerset County, PA
51015	Augusta County, VA
51091	Highland County, VA
51165	Rockingham County, VA
51171	Shenandoah County, VA
54001	Barbour County, WV
54007	Braxton County, WV
54017	Doddridge County, WV
54023	Grant County, WV
54027	Hampshire County, WV
54031	Hardy County, WV
54033	Harrison County, WV
54041	Lewis County, WV
54049	Marion County, WV
54057	Mineral County, WV
54061	Monongalia County, WV
54071	Pendleton County, WV
54075	Pocahontas County, WV
54077	Preston County, WV
54083	Randolph County, WV
54091	Taylor County, WV
54093	Tucker County, WV
54097	Upshur County, WV
54101	Webster County, WV

Appendix B - Data Sources and Calculations

Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Demographic Data

The demographic data in this report is compiled from several sources using a specialized process. Sources include annual population estimates and population projections from the US Census Bureau, birth and mortality rates from the US Health Department, and projected regional job growth.

Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Unemployment Data

The unemployment data in this report comes from the Bureau of Labor Statistics' Local Area Unemployment Statistics and is updated every two months.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

Educational Attainment Data

Emsi's educational attainment numbers are based on Emsi's demographic data and the American Community Survey. By combining these sources, Emsi interpolates for missing years and projects data at the county level. Educational attainment data cover only the population aged 25 years or more and indicate the highest level achieved.

Infogroup Business-Level Data

Data for individual businesses is provided by Infogroup, which maintains a database of more than 16 million U.S. business entities. Note that in aggregate it will not be consistent with Emsi labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.

State Data Sources

This report uses state data from the following agencies: Kentucky Office of Employment and Training; Maryland Department of Labor, Licensing and Regulation, Office of Labor Market Analysis and Information; Ohio Department of Job and Family Services, Labor Market Information Division; Pennsylvania Department of Labor and Industry, Center for Workforce Information and Analysis; Virginia Employment Commission, Economic Information Services; West Virginia Bureau of Employment Programs, Research Information & Analysis Division