

Economic Overview

Warren County, Virginia



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Demographic Profile

The population in Warren County, Virginia was 39,449 per American Community Survey data for 2014-2018.

The region has a civilian labor force of 20,311 with a participation rate of 63.8%. Of individuals 25 to 64 in Warren County, Virginia, 20.9% have a bachelor's degree or higher which compares with 32.9% in the nation.

The median household income in Warren County, Virginia is \$68,189 and the median house value is \$240,000.

Summary¹

		Percent				
	Warren County, Virginia	Virginia	USA	Warren County, Virginia	Virginia	USA
Demographics						
Population (ACS)	_	_	_	39,449	8,413,774	322,903,030
Male	49.9%	49.2%	49.2%	19,666	4,138,574	158,984,190
Female	50.1%	50.8%	50.8%	19,783	4,275,200	163,918,840
Median Age ²	_	_	_	40.7	38.1	37.9
Under 18 Years	22.2%	22.2%	22.8%	8,753	1,867,427	73,553,240
18 to 24 Years	8.9%	9.7%	9.6%	3,525	815,995	30,903,719
25 to 34 Years	12.3%	13.9%	13.8%	4,840	1,170,461	44,567,976
35 to 44 Years	11.6%	13.0%	12.6%	4,575	1,096,278	40,763,210
45 to 54 Years	15.4%	13.8%	13.2%	6,072	1,157,090	42,589,573
55 to 64 Years	14.4%	12.8%	12.8%	5,663	1,076,277	41,286,731
65 to 74 Years	9.4%	8.7%	8.8%	3,691	732,740	28,535,419
75 Years, and Over	5.9%	5.9%	6.4%	2,330	497,506	20,703,162
Race: White	89.9%	68.0%	72.7%	35,447	5,722,660	234,904,818
Race: Black or African American	3.8%	19.2%	12.7%	1,492	1,613,285	40,916,113
Race: American Indian and Alaska Native	0.3%	0.3%	0.8%	112	22,972	2,699,073
Race: Asian	1.1%	6.3%	5.4%	417	531,503	17,574,550
Race: Native Hawaiian and Other Pacific Islander	0.0%	0.1%	0.2%	0	5,677	582,718
Race: Some Other Race	1.2%	2.5%	4.9%	466	208,464	15,789,961
Race: Two or More Races	3.8%	3.7%	3.2%	1,515	309,213	10,435,797
Hispanic or Latino (of any race)	4.3%	9.2%	17.8%	1,716	771,177	57,517,935
Population Growth						
Population (Pop Estimates) ⁴	_	_	_	40,164	8,535,519	328,239,523
Population Annual Average Growth ⁴	0.8%	0.7%	0.7%	292	60,958	2,146,799
People per Square Mile	_	_	_	188.2	216.1	92.9
Economic						
Labor Force Participation Rate and Size (civilian population 16 years and over) ⁵	63.8%	65.3%	63.2%	20,311	4,336,393	162,248,196
Prime-Age Labor Force Participation Rate and Size (civilian population 25-54) ⁵	81.4%	83.3%	81.8%	12,608	2,791,220	104,136,254
Armed Forces Labor Force ⁵	0.0%	1.7%	0.4%	13	114,513	1,028,133
Veterans, Age 18-64 ⁵	7.7%	8.2%	4.7%	1,899	427,547	9,398,789
Veterans Labor Force Participation Rate and Size, Age 18-64 ⁵	84.7%	82.9%	76.3%	1,608	354,496	7,168,168
Median Household Income ^{2,5}	_	_	_	\$68,189	\$71,564	\$60,293
Per Capita Income ⁵	_	_	_	\$31,007	\$37,763	\$32,621
Mean Commute Time (minutes) ⁵	_	_	_	40.9	28.4	26.6
Commute via Public Transportation ⁵	0.2%	4.4%	5.0%	34	184,405	7,602,145
Educational Attainment, Age 25-64						
No High School Diploma	12.3%	9.0%	11.2%	2,611	405,359	18,885,967
High School Graduate	36.2%	23.0%	25.8%	7,648	1,034,503	43,699,272
Some College, No Degree	22.3%	19.7%	21.0%	4,720	887,389	35,525,113

Summary¹

		Percent			Value	
	Warren County, Virginia	Virginia	USA	Warren County, Virginia	Virginia	USA
Associate's Degree	8.3%	8.2%	9.1%	1,746	367,830	15,389,737
Bachelor's Degree	14.9%	23.3%	20.8%	3,144	1,047,916	35,261,652
Postgraduate Degree	6.1%	16.8%	12.1%	1,281	757,109	20,445,749
Housing						
Total Housing Units	_	_	_	16,277	3,491,091	136,384,292
Median House Value (of owner-occupied units) ²	_	_	_	\$240,000	\$264,900	\$204,900
Homeowner Vacancy	1.3%	1.6%	1.7%	141	33,483	1,304,850
Rental Vacancy	13.3%	5.6%	6.0%	521	63,404	2,822,053
Renter-Occupied Housing Units (% of Occupied Units)	23.0%	33.8%	36.2%	3,307	1,057,536	43,285,318
Occupied Housing Units with No Vehicle Available (% of Occupied Units) ⁵	5.3%	6.2%	8.7%	758	194,930	10,424,934
Social						
Poverty Level (of all people) ⁵	10.4%	10.9%	14.1%	4,004	893,580	44,257,979
Households Receiving Food Stamps/SNAP	10.0%	8.7%	12.2%	1,432	271,719	14,635,287
Enrolled in Grade 12 (% of total population)	1.3%	1.3%	1.4%	501	112,294	4,442,295
Disconnected Youth ^{3,5}	1.1%	1.6%	2.6%	24	7,060	438,452
Children in Single Parent Families (% of all children) ⁵	36.6%	31.0%	34.3%	3,000	550,092	23,973,249
Uninsured	11.5%	9.2%	9.4%	4,508	755,739	29,752,767
With a Disability, Age 18-64 ⁵	11.7%	9.4%	10.3%	2,881	483,606	20,240,504
With a Disability, Age 18-64, Labor Force Participation Rate and Size ⁵	40.1%	44.2%	41.6%	1,155	213,635	8,421,018
Foreign Born	3.2%	12.3%	13.5%	1,279	1,038,160	43,539,499
Speak English Less Than Very Well (population 5 yrs and over)	1.5%	5.9%	8.5%	574	464,606	25,647,781

Source: JobsEQ®

^{1.} American Community Survey 2014-2018, unless noted otherwise

^{2.} Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

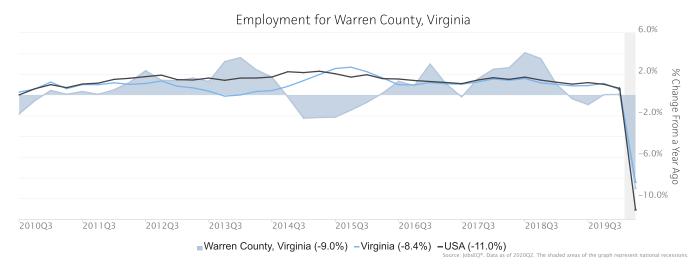
^{3.} Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.

^{4.} Census 2019, annual average growth rate since 2009

^{5.} See Rio Arriba errata note in the Data Dictionary.

Employment Trends

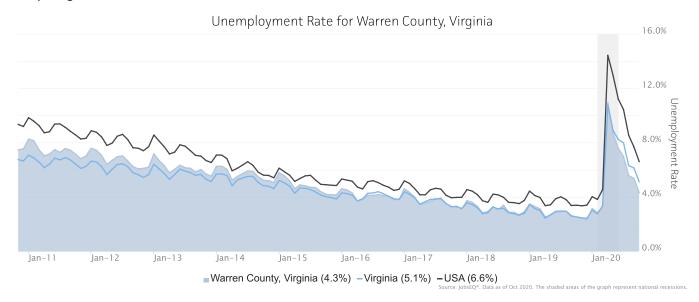
As of 2020Q2, total employment for Warren County, Virginia was 13,761 (based on a four-quarter moving average). Over the year ending 2020Q2, employment declined 9.0% in the region.



Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2019Q4 with preliminary estimates updated to 2020Q2.

Unemployment Rate

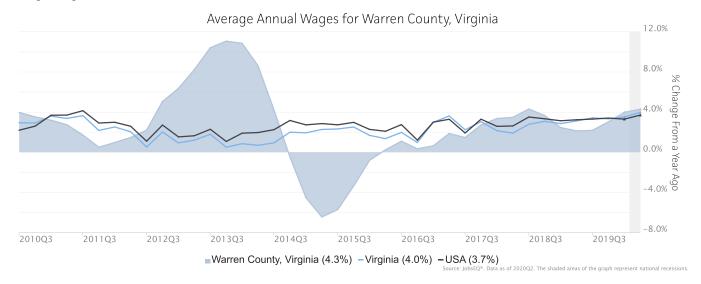
The unemployment rate for Warren County, Virginia was 4.3% as of October 2020. The regional unemployment rate was lower than the national rate of 6.6%. One year earlier, in October 2019, the unemployment rate in Warren County, Virginia was 2.5%.



Unemployment rate data are from the Local Area Unemployment Statistics, provided by the Bureau of Labor Statistics and updated through October 2020.

Wage Trends

The average worker in Warren County, Virginia earned annual wages of \$40,649 as of 2020Q2. Average annual wages per worker increased 4.3% in the region over the preceding four quarters. For comparison purposes, annual average wages were \$58,849 in the nation as of 2020Q2.



Annual average wages per worker data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2019Q4 with preliminary estimates updated to 2020Q2.

Cost of Living Index

The Cost of Living Index estimates the relative price levels for consumer goods and services. When applied to wages and salaries, the result is a measure of relative purchasing power. The cost of living is 41.4% higher in Warren County, Virginia than the U.S. average.

Cost of Living Information

		Cost of Living Inde	x
	Annual Average Salary	(Base US)	US Purchasing Power
Warren County, Virginia	\$40,649	141.4	\$28,744
Virginia	\$59,741	115.9	\$51,533
USA	\$58,849	100.0	\$58,849

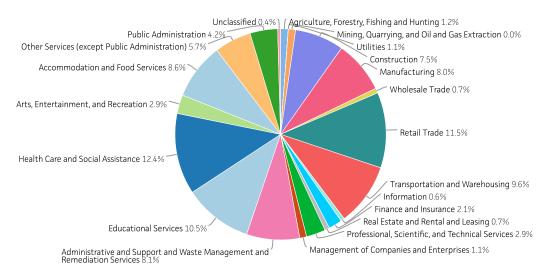
Source: JobsEQ®
Data as of 2020Q2

Cost of Living per C2ER, data as of 2020q1, imputed by Chmura where necessary.

Industry Snapshot

The largest sector in Warren County, Virginia is Health Care and Social Assistance, employing 1,710 workers. The next-largest sectors in the region are Retail Trade (1,589 workers) and Educational Services (1,450). High location quotients (LQs) indicate sectors in which a region has high concentrations of employment compared to the national average. The sectors with the largest LQs in the region are Utilities (LQ = 2.12), Transportation and Warehousing (2.04), and Arts, Entertainment, and Recreation (1.55).

Total Workers for Warren County, Virginia by Industry



Source: JobsEQ®,Data as of 2020Q2

Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2019Q4 with preliminary estimates updated to 2020Q2.

Sectors in Warren County, Virginia with the highest average wages per worker are Utilities (\$110,128), Finance and Insurance (\$62,615), and Professional, Scientific, and Technical Services (\$59,596). Regional sectors with the best job growth (or most moderate job losses) over the last 5 years are Administrative and Support and Waste Management and Remediation Services (+274 jobs), Manufacturing (+115), and Transportation and Warehousing (+102).

Over the next 5 years, employment in Warren County, Virginia is projected to expand by 366 jobs. The fastest growing sector in the region is expected to be Health Care and Social Assistance with a +1.5% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Health Care and Social Assistance (+132 jobs), Educational Services (+62), and Administrative and Support and Waste Management and Remediation Services (+54).

			Current	5-Year History					5-Year Forecast				
			Avg Ann		Empl		Total			Empl	Ann %		
NAICS	Industry	Empl	Wages	LQ	Change	Ann %	Demand	Exits	Transfers	Growth	Growth		
62	Health Care and Social Assistance	1,710	\$43,525	0.85	0	0.0%	965	410	423	132	1.5%		
44	Retail Trade	1,589	\$27,767	1.13	-133	-1.6%	1,030	465	588	-23	-0.3%		
61	Educational Services	1,450	\$36,533	1.28	-54	-0.7%	745	328	354	62	0.8%		
48	Transportation and Warehousing	1,320	\$47,714	2.04	102	1.6%	754	303	410	42	0.6%		
72	Accommodation and Food Services	1,183	\$19,245	1.02	-137	-2.2%	1,019	431	542	46	0.8%		
56	Administrative and Support and Waste Management and Remediation Services	1,118	\$41,168	1.29	274	5.8%	712	278	380	54	0.9%		
31	Manufacturing	1,106	\$56,940	0.98	115	2.2%	545	210	360	-24	-0.4%		
23	Construction	1,035	\$43,087	1.30	-27	-0.5%	559	185	332	43	0.8%		
81	Other Services (except Public Administration)	779	\$30,821	1.29	-57	-1.4%	439	202	241	-3	-0.1%		
92	Public Administration	582	\$55,831	0.88	-4	-0.1%	266	113	154	-1	0.0%		
54	Professional, Scientific, and Technical Services	405	\$59,596	0.43	12	0.6%	191	65	110	15	0.7%		
71	Arts, Entertainment, and Recreation	398	\$30,854	1.55	-24	-1.2%	297	127	157	13	0.7%		
52	Finance and Insurance	282	\$62,615	0.50	11	0.8%	135	50	82	3	0.2%		
11	Agriculture, Forestry, Fishing and Hunting	162	\$12,396	0.87	-13	-1.5%	85	37	50	-2	-0.2%		
22	Utilities	152	\$110,128	2.12	5	0.7%	66	25	43	-2	-0.3%		
55	Management of Companies and Enterprises	146	\$39,836	0.69	81	17.5%	68	24	42	2	0.2%		
42	Wholesale Trade	103	\$57,470	0.20	26	6.1%	51	20	33	-3	-0.5%		
53	Real Estate and Rental and Leasing	99	\$37,601	0.41	-10	-1.8%	52	23	27	1	0.3%		
51	Information	81	\$37,827	0.30	-4	-0.9%	43	14	25	3	0.7%		
99	Unclassified	60	\$25,027	3.84	60	n/a	36	14	20	2	0.5%		
	Total - All Industries	13,761	\$40,649	1.00	223	0.3%	7,949	3,241	4,342	366	0.5%		

Source: JobsEQ®
Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2019Q4 with preliminary estimates updated to 2020Q2. Forecast employment growth uses national projections adapted for regional growth patterns.

Occupation Snapshot

The largest major occupation group in Warren County, Virginia is Office and Administrative Support Occupations, employing 1,570 workers. The next-largest occupation groups in the region are Transportation and Material Moving Occupations (1,558 workers) and Sales and Related Occupations (1,317). High location quotients (LQs) indicate occupation groups in which a region has high concentrations of employment compared to the national average. The major groups with the largest LQs in the region are Transportation and Material Moving Occupations (LQ = 1.37), Educational Instruction and Library Occupations (1.29), and Building and Grounds Cleaning and Maintenance Occupations (1.29).

Occupation groups in Warren County, Virginia with the highest average wages per worker are Management Occupations (\$103,100), Legal Occupations (\$98,500), and Computer and Mathematical Occupations (\$78,200). The unemployment rate in the region varied among the major groups from 1.6% among Community and Social Service Occupations to 7.8% among Personal Care and Service Occupations.

Over the next 5 years, the fastest growing occupation group in Warren County, Virginia is expected to be Healthcare Support Occupations with a +2.2% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Healthcare Support Occupations (+75 jobs) and Food Preparation and Serving Related Occupations (+52). Over the same period, the highest separation demand (occupation demand due to retirements and workers moving from one occupation to another) is expected in Food Preparation and Serving Related Occupations (1,061 jobs) and Transportation and Material Moving Occupations (1,009).

Warren County, Virginia, 2020Q21

				C	urrent			5-Year History				5-Year Forecast			
soc	Occupation	Fanal	Mean Ann	LQ	Unamal	Unempl	Online Job Ads ³	Empl	Ann %	Total Demand	Exits	Transfers	Empl Growth	Ann % Growth	
SUC	<u> </u>	Empl	Wages ²	LQ	Unempl	Rate	Job Ads	Change	Ann %	Demand	EXITS	Transfers	Growth	Growth	
43- 0000	Office and Administrative Support	1,570	\$36,300	0.89	78	3.5%	51	47	0.6%	875	375	521	-20	-0.3%	
53- 0000	Transportation and Material Moving	1,558	\$30,900	1.37	113	5.1%	112	30	0.4%	1,047	362	647	38	0.5%	
41-0000	Sales and Related	1,317	\$33,200	0.99	80	4.7%	115	-56	-0.8%	947	388	569	-9	-0.1%	
35- 0000	Food Preparation and Serving Related	1,184	\$23,500	1.07	118	7.1%	93	-92	-1.5%	1,113	429	632	52	0.9%	
25- 0000	Educational Instruction and Library	1,003	\$52,700	1.29	29	3.7%	8	-66	-1.3%	513	214	253	46	0.9%	
11-0000	Management	834	\$103,100	0.93	14	1.6%	31	63	1.6%	387	121	239	27	0.6%	
47- 0000	Construction and Extraction	766	\$39,700	1.20	107	6.3%	16	29	0.8%	466	126	308	31	0.8%	
51-0000	Production	749	\$33,200	0.93	61	4.5%	15	-1	0.0%	419	154	281	-16	-0.4%	
31-0000	Healthcare Support	662	\$25,200	1.09	26	3.0%	42	51	1.6%	530	222	233	75	2.2%	
29- 0000	Healthcare Practitioners and Technical	626	\$66,900	0.79	11	1.7%	99	40	1.3%	211	85	99	27	0.8%	
13-0000	Business and Financial Operations	611	\$69,600	0.80	13	2.0%	7	122	4.5%	328	87	215	25	0.8%	
37- 0000	Building and Grounds Cleaning and Maintenance	602	\$27,500	1.29	44	4.9%	27	54	1.9%	419	159	242	18	0.6%	
49-0000	Installation, Maintenance, and Repair	536	\$45,200	1.01	38	3.2%	26	-61	-2.1%	272	84	179	9	0.3%	
39- 0000	Personal Care and Service	436	\$26,500	1.17	49	7.8%	15	-9	-0.4%	368	157	195	17	0.8%	
33-0000	Protective Service	306	\$47,200	1.02	10	2.4%	8	20	1.3%	163	68	93	2	0.1%	
15-0000	Computer and Mathematical	265	\$78,200	0.63	7	1.9%	15	63	5.6%	117	23	79	15	1.1%	

Warren County, Virginia, 2020Q21

			Current					5-Year History				5-Year Forecast			
soc	Occupation	Empl	Mean Ann Wages ²	LQ	Unempl	Unempl Rate	Online Job Ads ³	Empl Change	Ann %	Total Demand	Exits	Transfers	Empl Growth	Ann % Growth	
21-0000	Community and Social Service	231	\$45,100	0.97	2	1.6%	19	-21	-1.7%	144	44	86	14	1.2%	
27- 0000	Arts, Design, Entertainment, Sports, and Media	202	\$51,400	0.81	8	5.4%	5	6	0.6%	120	43	73	4	0.4%	
17-0000	Architecture and Engineering	109	\$77,100	0.46	4	2.7%	5	9	1.6%	44	13	30	1	0.1%	
23-0000	Legal	79	\$98,500	0.67	2	1.8%	1	-8	-1.9%	30	10	17	2	0.6%	
19-0000	Life, Physical, and Social Science	78	\$69,900	0.65	1	2.3%	9	1	0.2%	38	8	28	2	0.4%	
45- 0000	Farming, Fishing, and Forestry	36	\$34,400	0.41	5	7.2%	n/a	4	2.3%	29	7	22	0	-0.1%	
	Total - All Occupations	13,761	\$43,800	1.00	819	4.4%	718	223	0.3%	8,587	3,181	5,040	366	0.5%	

Source: JobsEQ®

Data as of 2020Q2 unless noted otherwise Note: Figures may not sum due to rounding.

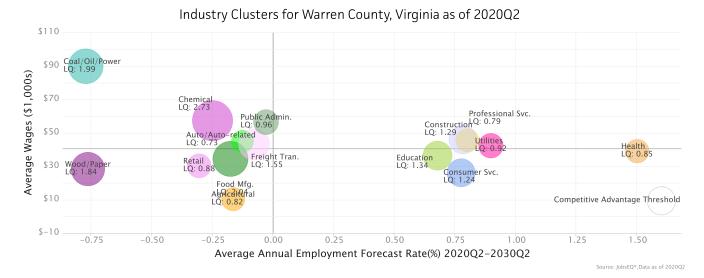
- Data based on a four-quarter moving average unless noted otherwise.
- 2. Wage data are as of 2019 and represent the average for all Covered Employment

Occupation employment data are estimated via industry employment data and the estimated industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2019Q4, imputed where necessary with preliminary estimates updated to 2020Q2. Wages by occupation are as of 2019 provided by the BLS and imputed where necessary. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

^{3.} Data represent found online ads active within the last thirty days in the selected region; data represents a sampling rather than the complete universe of postings. Ads lacking zip code information but designating a place (city, town, etc.) may be assigned to the zip code with greatest employment in that place for queries in this analytic. Due to alternative county-assignment algorithms, ad counts in this analytic may not match that shown in RTI (nor in the popup window ad list).

Industry Clusters

A cluster is a geographic concentration of interrelated industries or occupations. The industry cluster in Warren County, Virginia with the highest relative concentration is Chemical with a location quotient of 2.73. This cluster employs 350 workers in the region with an average wage of \$57,323. Employment in the Chemical cluster is projected to contract in the region about 0.2% per year over the next ten years.

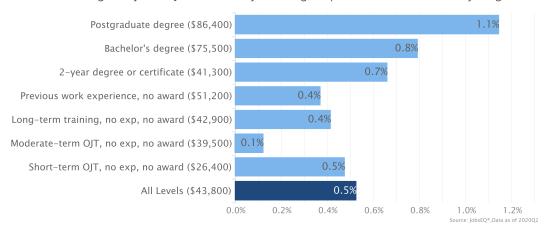


Location quotient and average wage data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics, imputed where necessary, and updated through 2019Q4 with preliminary estimates updated to 2020Q2. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

Education Levels

Expected growth rates for occupations vary by the education and training required. While all employment in Warren County, Virginia is projected to grow 0.5% over the next ten years, occupations typically requiring a postgraduate degree are expected to grow 1.1% per year, those requiring a bachelor's degree are forecast to grow 0.8% per year, and occupations typically needing a 2-year degree or certificate are expected to grow 0.7% per year.

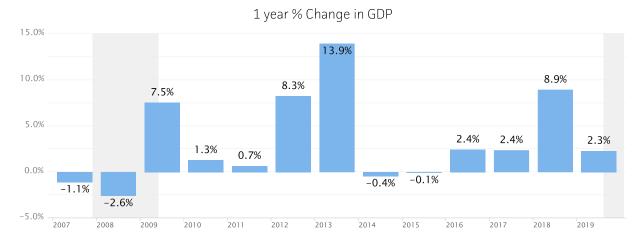




Employment by occupation data are estimates are as of 2020Q2. Education levels of occupations are based on BLS assignments. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

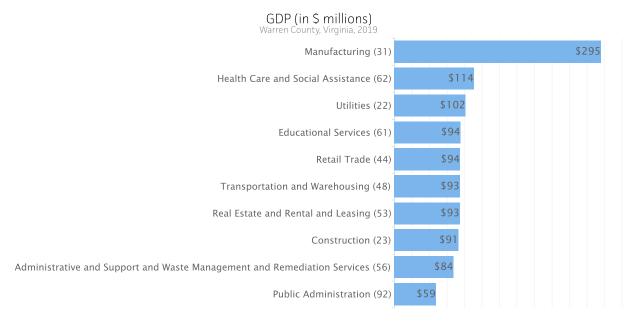
Gross Domestic Product

Gross Domestic Product (GDP) is the total value of goods and services produced by a region. In 2019, nominal GDP in Warren County, Virginia expanded 2.3%. This follows growth of 8.9% in 2018. As of 2019, total GDP in Warren County, Virginia was \$1,360,731,000.



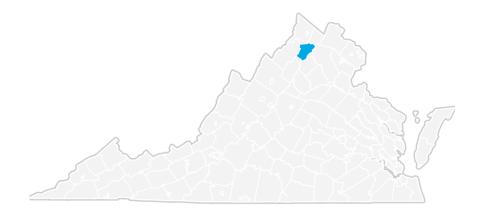
Gross Domestic Product data are provided by the Bureau of Economic Analysis, imputed by Chmura where necessary, updated through 2019.

Of the sectors in Warren County, Virginia, Manufacturing contributed the largest portion of GDP in 2019, \$295,097,000 The next-largest contributions came from Health Care and Social Assistance (\$113,569,000); Utilities (\$101,610,000); and Educational Services (\$94,197,000).



Gross Domestic Product data are provided by the Bureau of Economic Analysis, imputed by Chmura where necessary, updated through 2019.

Warren County, Virginia Regional Map



FAQ

What is a location quotient?

A location quotient (LQ) is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is separation demand?

Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. The total projected demand for an occupation is the sum of the separation demand and the growth demand (which is the increase or decrease of jobs in an occupation expected due to expansion or contraction of the overall number of jobs in that occupation).

What is a cluster?

A cluster is a geographic concentration of interrelated industries or occupations. If a regional cluster has a location quotient of 1.25 or greater, the region is considered to possess a competitive advantage in that cluster.

What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.

What is NAICS?

The North American Industry Classification System (NAICS) is used to classify business establishments according to the type of economic activity. The NAICS Code comprises six levels, from the "all industry" level to the 6-digit level. The first two digits define the top level category, known as the "sector," which is the level examined in this report.

What is SOC?

The Standard Occupational Classification system (SOC) is used to classify workers into occupational categories. All workers are classified into one of over 804 occupations according to their occupational definition. To facilitate classification, occupations are combined to form 22 major groups, 95 minor groups, and 452 occupation groups. Each occupation group includes detailed occupations requiring similar job duties, skills, education, or experience.

About This Report

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