



WEST VIRGINIA
MANUFACTURERS
ASSOCIATION



WEST VIRGINIA STATE OF MANUFACTURING 2022



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West Virginia Manufacturing Facts

- Manufacturers in West Virginia account for 10.07% of the total output in the state, employing 8.6% of the workforce.
- Total output from manufacturing was \$7.94 billion in 2019.
- There were an average of 47,000 manufacturing employees in West Virginia in 2020, with an average annual compensation of \$74,726.77 in 2019. (National Association of Manufacturers, 2023)

Manufacturing Output and Firms

Total Manufacturing Output (\$billions) - \$7.94
(Percent share of total gross state product) - 10.07%

Manufacturing Firms in West Virginia - 1,035

Employment and Compensation

Manufacturing Employment - 47,000
(Percent share of nonfarm employment) - 7.01%

Average Annual Compensation - \$74,726.77
(Nonfarm Businesses) - \$45,228.81

Manufacturing Exports

Manufacturers help drive West Virginia’s economy! Manufactured goods accounted for \$3.01 billion in exports in 2020 with half (\$1.52 billion) being through our free trade agreement (FTA) partners.



(Percent of total WV exports, 2020)	50.59%
Canada	40.61%
China	11.30%
Belgium	6.16%
Japan	5.08%
Germany	4.53%

US Manufacturing Exports

The 20 U.S. FTA partners purchased 48.3% (\$659.49 billion) of U.S. manufactured goods exports in 2019 – even though these countries represent only six percent of the world’s population and 10 percent of GDP.

FTA countries: Australia, Bahrain, Canada, Chile, Colombia, Costa Rica, Dominican Republic, El Salvador, Guatemala, Honduras, Israel, Jordan, Mexico, Morocco, Nicaragua, Oman, Panama, Peru, Singapore and South Korea.



Manufacturing Employment Per State

State	Manufacturing Employment	% of Total U.S. Manufacturing Jobs
U.S. Total	12,302,657	
West Virginia	45,336	0.4%
California	1,277,555	10.4%
Texas	874,313	7.1%
Ohio	665,724	5.4%
Michigan	585,798	4.8%
Illinois	554,343	4.5%
Pennsylvania	543,563	4.4%
Indiana	524,614	4.3%
Wisconsin	465,956	3.8%
North Carolina	464,007	3.8%
New York	406,435	3.3%
Georgia	391,941	3.2%
Florida	388,057	3.2%
Tennessee	349,014	2.8%
Minnesota	313,043	2.5%
Missouri	270,834	2.2%
Alabama	264,500	2.1%
Washington	256,519	2.1%
South Carolina	249,685	2.0%
Kentucky	242,963	2.0%
New Jersey	239,168	1.9%
Virginia	235,536	1.9%
Massachusetts	232,786	1.9%
Iowa	218,148	1.8%

Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



Manufacturing Employment Per State - Continued

Oregon	186,372	1.5%
Arizona	181,837	1.5%
Kansas	160,731	1.3%
Arkansas	157,204	1.3%
Connecticut	152,851	1.2%
Colorado	148,649	1.2%
Utah	144,840	1.2%
Mississippi	143,887	1.2%
Louisiana	129,074	1.0%
Oklahoma	128,694	1.0%
Maryland	110,636	0.9%
Nebraska	99,519	0.8%
Idaho	70,198	0.6%
New Hampshire	67,845	0.6%
Nevada	59,980	0.5%
Maine	53,762	0.4%
South Dakota	43,812	0.4%
Rhode Island	39,065	0.3%
Vermont	28,664	0.2%
New Mexico	27,691	0.2%
North Dakota	26,146	0.2%
Delaware	24,961	0.2%
Montana	21,303	0.2%
Alaska	12,198	0.1%
Wyoming	9,771	0.1%

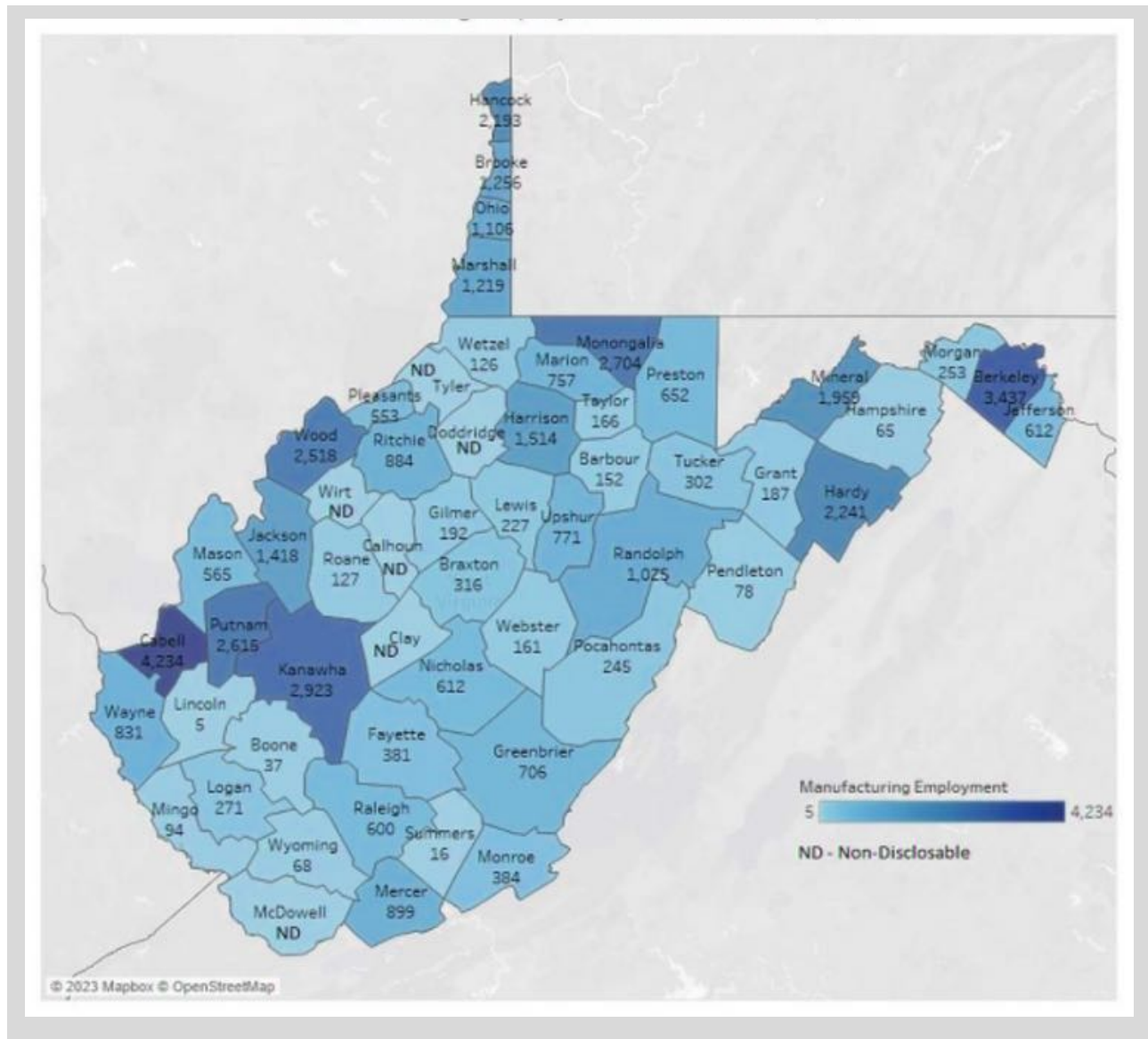
Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)





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Manufacturing Employment by WV County



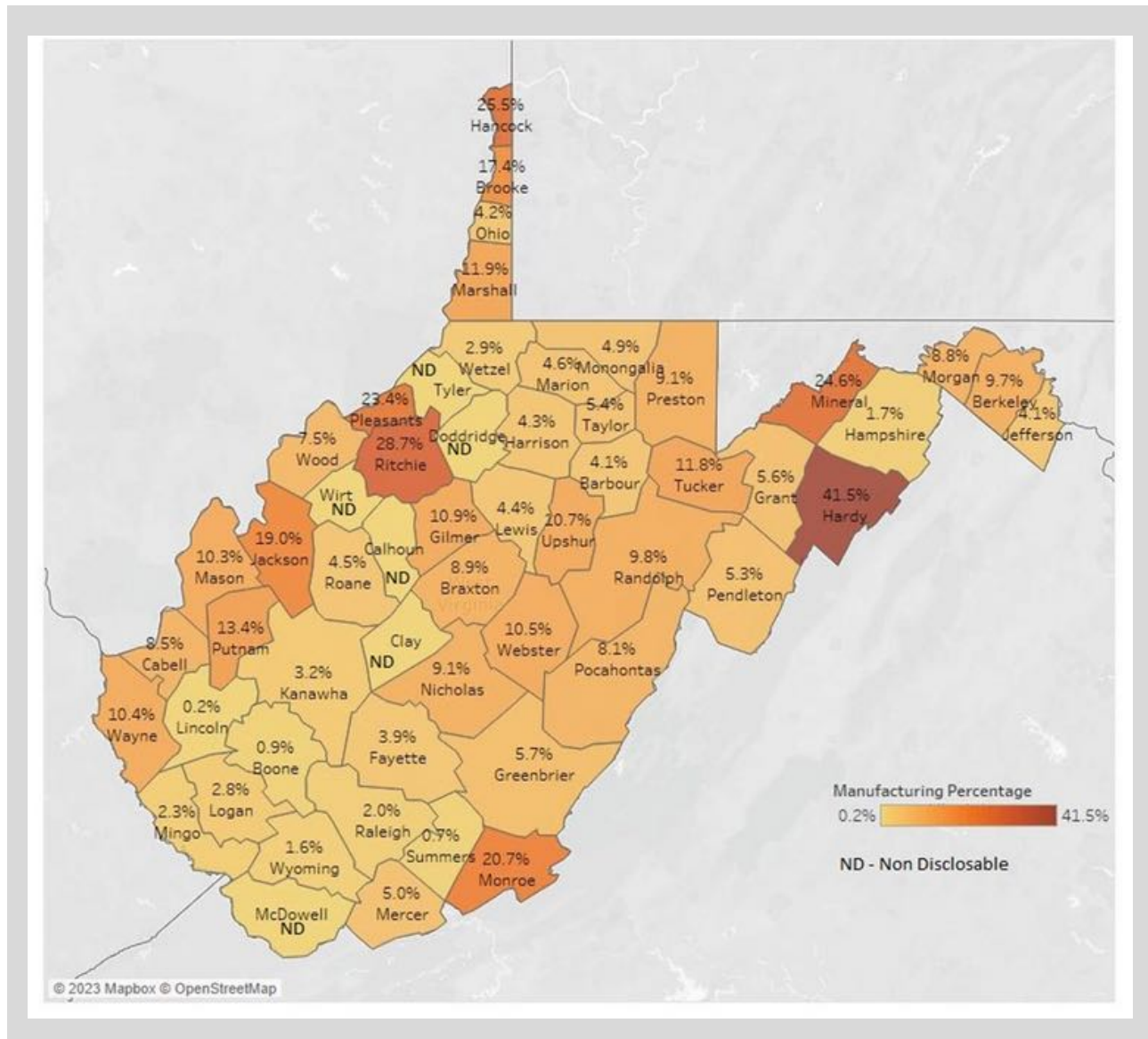
Total Employment - 44,657

Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



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Manufacturing County Percentage of Total Employment



Total Statewide (Covered, All Industries) - WV

657,806

Total Employees Manufacturing - WV

45,337

Manufacturing Percentage

6.9%

Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



Average Monthly Employment & Percentage of Total West Virginia Jobs Per Industry Sector

Industry Sector	Average Monthly Employment	% of total West Virginia Jobs
Health Care and Social Assistance	119,677	22.8%
Retail Trade	78,821	15.0%
Accommodation and Food Services	59,179	11.3%
Manufacturing	45,336	8.6%
Administrative and Support and Waste Management	33,925	6.5%
Construction	30,798	5.9%
Professional, Scientific and Technical Services	26,406	5.0%
Wholesale Trade	18,713	3.6%
Transportation and Warehousing	18,626	3.5%
Finance and Insurance	18,049	3.4%
Mining, Quarrying, and Oil and Gas Extraction	16,968	3.2%
Other (Except Public Administration)	16,372	3.1%

Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



Average Monthly Employment & Percentage of Total West Virginia Jobs Per Industry Sector - Continued

Industry Sector	Average Monthly Employment	% of Total West Virginia Jobs
Arts, Entertainment and Recreation	8,007	1.5%
Management of Companies and Enterprises	7,583	1.4%
Information	7,227	1.4%
Real Estate and Rental and Leasing	6,437	1.2%
Educational Services	5,765	1.1%
Utilities	5,079	1.0%
Agriculture, Forestry, Fishing and Hunting	1,765	0.3%



Average Annual Wages Per Industry (West Virginia)

Industry Sector	Average Annual Wage (Private Sector)
Utilities	\$101,522.00
Mining, Quarrying, and Oil and Gas Extraction	\$87,970.00
Management of Companies and Enterprises	\$84,986.00
Wholesale Trade	\$68,343.00
Professional, Scientific, and Technical Services	\$65,883.00
Finance and Insurance	\$65,713.00
Manufacturing	\$65,160.00
Information	\$63,837.00
Construction	\$60,949.00
Transportation and Warehousing	\$54,085.00
Health Care and Social Assistance	\$53,454.00



Average Annual Wages Per Industry (West Virginia) - Continued

Public Administration	\$47,389.00
Real Estate and Rental and Leasing	\$44,082.00
Administrative and Support and Waste Management and Remediation Services	\$42,702.00
Educational Services	\$41,172.00
Other Services (except Public Administration)	\$37,559.00
Agriculture, Forestry, Fishing and Hunting	\$35,457.00
Retail Trade	\$32,037.00
Accommodation and Food Services	\$20,419.00
Arts, Entertainment, and Recreation	\$19,825.00

Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



Jobs in Manufacturing Durable Goods in WV

Durable Goods	# of Employees 2019	# of Employees 2020	# of Employees 2021
Transportation Equipment	6125	5947	6112
Fabricated Metal Products	4561	4200	4124
Machinery	1937	1570	1647
Primary Metals	4350	3928	3835
Nonmetallic Mineral Products	2826	2406	2504
Electrical Equipment and Appliances	598	457	418
Computer and Electronic Products	792	733	765
Furniture and Related Products	1341	1305	1351

Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



Jobs in Manufacturing Non-Durable Goods in WV

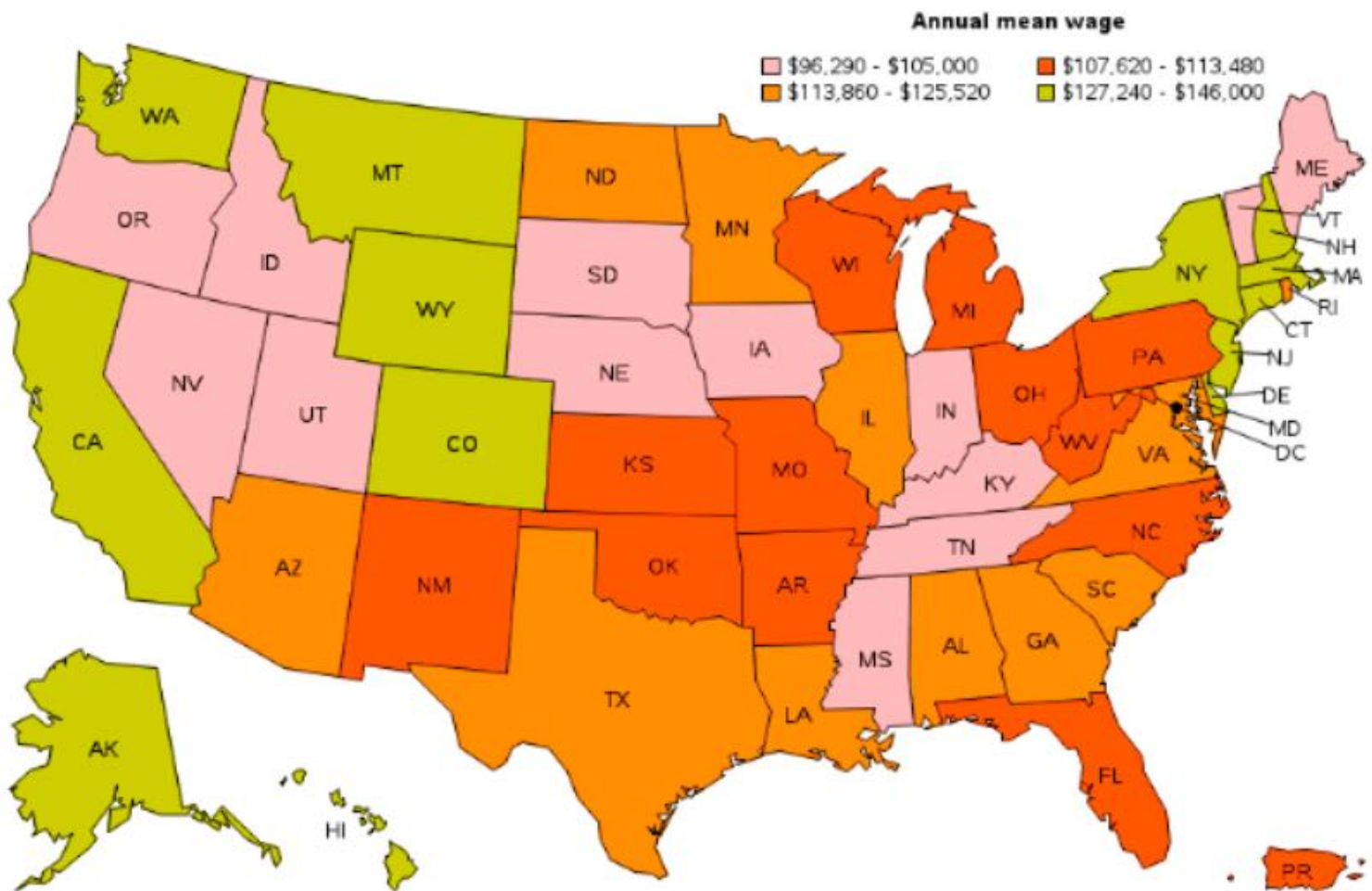
Durable Goods	# of Employees 2019	# of Employees 2020	# of Employees 2021
Food Manufacturing	3057	2911	3059
Plastics and Rubber Products	3521	3633	3849
Chemical Manufacturing	9039	8931	8966
Paper	455	421	432
Printing and Related Support Activities	1112	946	924



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WV Manufacturing provides high-paying jobs!

Annual mean wage of industrial production managers, by state, May 2021



Blank areas indicate data not available.


Top 5 WV Manufacturing Industries by Annual Avg. Number of Employees

NAICS Category	Manufacturing Industry	# of Annual Avg. Employees
325	Chemical	8,966
336	Transportation Equipment	6,112
321	Wood Product	4,595
332	Fabricated Metal Product	4,124
326	Plastics and Rubber Products	3,849

Top 5 WV Manufacturing Industries by Annual Avg. Wages

NAICS Category	Manufacturing Industry	Average Annual Wage
325	Chemical	\$ 96,249
331	Primary Metal	\$ 79,469
324	Petroleum and Coal Products	\$75,162
336	Transportation Equipment	\$71,087
333	Machinery	\$69,201

Top 5 WV Manufacturing Industries by Annual Avg. Annual Number of Establishments

NAICS Category	Manufacturing Industry	# of Annual Avg. Establishments
332	Fabricated Metal Product	258
321	Wood Product	159
325	Chemical	118
311	Food	116
327	Non-Metallic Mineral Product	108

Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



WV Total Wages & Annual Wages Per Manufacturing Industry

Industry	Total Wages (\$)	Average Annual Wage (\$)
Chemical	862,946,000	96,249
Primary Metal	304,783,000	79,469
Petroleum and Coal Products	70,445,000	75,162
Transportation	434,471,000	71,087
Machinery Manufacturing	113,962,000	69,201
Electrical Equipment and Appliance	27,796,000	66,499
Miscellaneous	58,309,000	58,611
Paper	25,128,000	58,235
Fabricated Metal Product	234,665,000	56,909
Computer and Electronic Product	39,730,000	51,907
Non-Metallic Mineral Product	129,346,000	51,654
Plastics and Rubber Products	193,767,000	50,339
Wood Product	210,421,000	45,795
Furniture and Related Product	57,878,000	42,854
Printing and Related Support Activities	38,309,000	41,471
Food	122,809,000	40,142
Beverage and Tobacco Product	23,291,000	37,826
Textile Mills	2,375,000	36,219
Apparel	1,963,000	26,288
Textile Product Mills	1,731,000	25,319

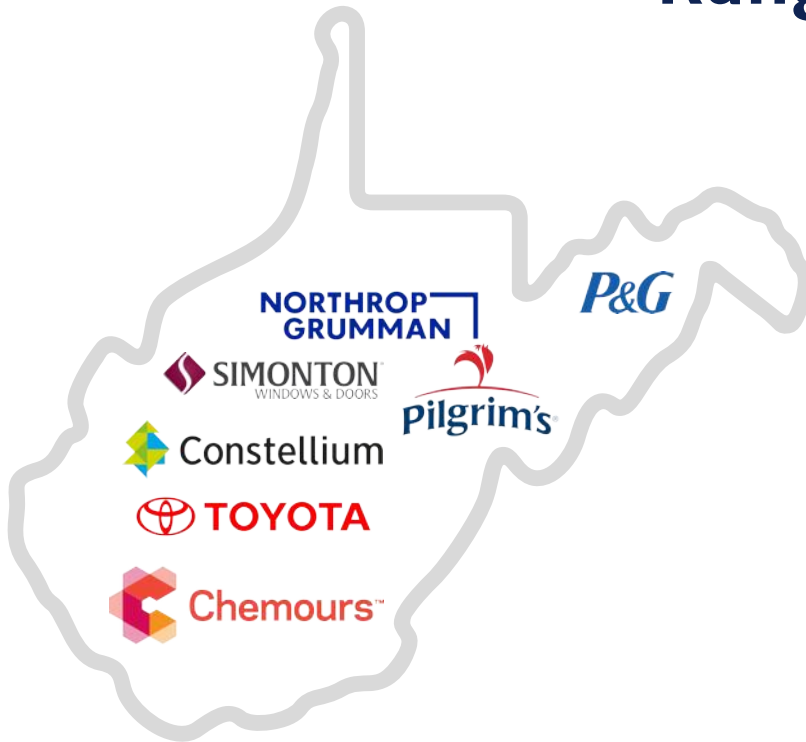
Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



Top WV Manufacturers by Employment Range

1,000-2,499 Employees

- Procter & Gamble Mfg Co,
- Toyota Motor Manufacturing, WV, Inc.
- Northrop Grumman Systems Corporation
- Pilgrim's Pride Corporation of WV, Inc.
- Chemours Company FC, LLC, The
- Simonton Industries, Inc.
- Constellium Rolled Products Ravenswood, LLC



500-999 Employees

- Cleveland Cliffs
- American Woodmark Corporation
- Alcon Research
- Allegheny Wood Products, Inc.
- Steel of West Virginia, Inc.
- Armstrong Hardwood Flooring Company





of WV Manufacturing Firms by Number of Employees

Size Class	Quarter 1 - 2018	Quarter 1 - 2019	Quarter 1 - 2020	Quarter 1 - 2021	Quarter 1 - 2022
Fewer than 10	711	689	696	809	888
10 - 19	199	195	193	183	188
20 - 49	171	174	164	170	173
50 - 99	92	88	91	91	89
100 - 249	65	67	67	59	65
250 - 499	15	14	11	13	15
500 +	16	17	17	15	13
Total	1269	1244	1239	1340	1431



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WV Manufacturing Jobs-11 year History



Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



Covid-19 Impact on the Manufacturing Industry

While the effects of COVID-19 are visible, job totals reflect the negative impact the pandemic had on manufacturers in West Virginia and throughout the country.

Total West Virginia Manufacturing Jobs 2017-2021

Year	Manufacturing Jobs	Year to Year Change
2017	46,575	N/A
2018	46,952	377
2019	46,980	28
2020	44,430	-2,550
2021	45,337	907

Total U.S Manufacturing Jobs 2017-2021

Year	Manufacturing Jobs	Year-to-Year Change
2017	12,406,757	N/A
2018	12,647,900	241,143
2019	12,776,157	128,257
2020	12,083,479	-692,678
2021	12,302,657	219,178

Source: US Bureau of Labor Statistics (2021 Quarterly State and County Employment and Wages)



Gross Domestic Product Per Industry

West Virginia

Industry	\$ Contributed to WV GDP (\$ in millions)	% of WV GDP
All Private Industries	\$71,650.6	
Mining, Quarrying, and Oil and Gas Extraction	\$10,487.9	14.6%
Health Care and Social Assistance	\$9,124.3	12.7%
Real Estate, Rental, and Leasing	\$8,812.7	12.3%
Manufacturing	\$8,488.8	11.8%
Retail Trade	\$6,049.2	8.4%
Wholesale Trade	\$4,148.8	5.8%
Finance and Insurance	\$3,229.9	4.5%
Construction	\$3,215.9	4.5%
Professional, Scientific, and Technical Services	\$3,192.3	4.5%
Accommodation and Food Services	\$2,670.8	3.7%
Utilities	\$2,359.9	3.3%
Transportation and Warehousing	\$2,270.2	3.2%
Administrative Support and Waste Management Services	\$2,266.5	3.2%
Other (except government)	\$1,647.3	2.3%
Information	\$1,552.3	2.2%
Management of Companies and Enterprises	\$899.1	1.3%
Arts, Entertainment, and Recreation	\$469.1	0.7%
Educational Services	\$422.7	0.6%
Agriculture, Forestry, Fishing, and Hunting	\$343.1	0.5%

Source: Bureau of Economic Analysis

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