

## United States Census Bureau

October 7, 2016

### Measuring America

#### Manufacturing in America

Manufacturing plays a major role in our economy, with 11.4 million employees producing goods that we consume domestically or export abroad. In recognition of the fifth annual Manufacturing Day on October 7, 2016, the Census Bureau joins a group of public and private organizations in celebrating the importance of the manufacturing sector to the nation's economy. The nation relies on several key Census Bureau programs to track America's manufacturing industries, and the most recent year's data from some of these programs are highlighted below.

How does manufacturing compare with other industries?

Manufacturing is the Fourth-Largest Employee

(Millions of employees)

Health Care and Social Assistance	18.9 million
Retail Trade	15.4 million
Accommodation and Food Services	12.8 million
Manufacturing	11.4 million
Administrative and Support and Waste Management and Remediation Services	10.6 million
Professional, Scientific, and Technical Services	8.6 million
Finance and Insurance	6.1 million
Wholesale Trade	6.0 million
Construction	5.7 million
Other Services (except Public Administration)	5.3 million
Transportation and Warehousing	4.4 million
Educational Services	3.6 million
Information	3.4 million
Management of Companies and Enterprises	3.2 million
Arts, Entertainment, and Recreation	2.2 million
Real Estate and Rental and Leasing	2.0 million
Mining, Quarrying, and Oil and Gas Extraction	0.8 million
Utilities	0.6 million
Agriculture, Forestry, Fishing and Hunting	0.2 million

Note: Rankings may vary slightly due to nonsampling error and disclosure methods used to protect the confidentiality of the data.

Source: 2014 County Business Patterns

Average Annual Payroll per Employee by Sector

Management of Companies and Enterprises	\$108,200
Utilities	\$96,500
Finance and Insurance	\$93,300
Mining, Quarrying, and Oil and Gas Extraction	\$93,100
Information	\$87,300
Professional, Scientific, and Technical Services	\$77,200
Wholesale Trade	\$67,900
Manufacturing	\$56,000
Construction	\$56,000
Real Estate and Rental and Leasing	\$49,300
Transportation and Warehousing	\$47,100
Health Care and Social Assistance	\$45,600
Agriculture, Forestry, Fishing and Hunting	\$39,500
Administrative and Support and Waste Management and Remediation Services	\$37,400
Educational Services	\$36,400
Arts, Entertainment, and Recreation	\$33,300
Other Services (except Public Administration)	\$30,200
Retail Trade	\$26,500
Accommodation and Food Services	\$17,900

Note: Rankings may vary slightly due to nonsampling error and disclosure methods used to protect the confidentiality of the data.

Average annual payroll for all sectors \$49,100

Manufacturing employed 11.4 million workers in 2014. The annual payroll was \$639.9 billion.

Source: 2014 County Business Patterns

Where does manufacturing occur in the United States?

Manufacturing Employment as a Percentage of Total Working Age Population by State\*

State	Category
Indiana	>7.50
Iowa	>7.50
Kansas	5.81–7.50
Ohio	5.81–7.50

Minnesota	5.81–7.50
Michigan	5.81–7.50
South Dakota	5.81–7.50
Arkansas	5.81–7.50
Nebraska	5.81–7.50
Kentucky	5.81–7.50
Alabama	5.81–7.50
New Hampshire	5.81–7.50
Mississippi	4.36–5.80
Tennessee	4.36–5.80
Vermont	4.36–5.80
Connecticut	4.36–5.80
South Carolina	4.36–5.80
Illinois	4.36–5.80
Utah	4.36–5.80
Pennsylvania	4.36–5.80
North Carolina	4.36–5.80
Missouri	4.36–5.80
Oregon	4.36–5.80
Washington	4.36–5.80
Rhode Island	4.36–5.80
United States	4.35
Oklahoma	2.90–4.34
Maine	2.90–4.34
Georgia	2.90–4.34
Idaho	2.90–4.34
Massachusetts	2.90–4.34
North Dakota	2.90–4.34
Texas	2.90–4.34
California	2.90–4.34
Louisiana	2.90–4.34
Delaware	2.90–4.34
Virginia	2.90–4.34
West Virginia	2.90–4.34
New Jersey	2.90–4.34
Colorado	<2.90
Arizona	<2.90
New York	<2.90
Alaska	<2.90
Wyoming	<2.90
Maryland	<2.90
Montana	<2.90
Nevada	<2.90

Florida	<2.90
New Mexico	<2.90
Hawaii	<2.90
District of Columbia	<2.90

Source: 2014 Annual Survey of Manufactures and 2014 American Community Survey

\*Total Working Age Population represents the total state population aged 16 and over in 2014 according to the 2014 American Community Survey.

In 2015, 27.6 of Manufacturing Employees 25 and older had a bachelor's degree or higher.

Source: 2015 Current Population Survey

In what subsectors do manufacturers work?

Top 10 Subsectors by Number of Employees

(Million of employees)

Transportation equipment manufacturing*	1.42 M
Fabricated metal product manufacturing*	1.38 M
Food manufacturing*	1.37 M
Machinery manufacturing	1.03 M
Computer and electronic product manufacturing	0.79 M
Plastics and rubber products manufacturing*	0.72 M
Chemical manufacturing*	0.71 M
Miscellaneous manufacturing	0.52 M
Printing and related support activities	0.42 M
Primary metal manufacturing	0.38 M

Source: 2014 Annual Survey of Manufactures

\*The difference between the employment estimates, within each pair of subsectors, is not statistically significant at the 90 percent level: Fabricated metal product manufacturing and Food manufacturing; and Plastics and rubber products manufacturing and Chemical manufacturing

Which manufacturing subsectors have the largest value of shipments?

Top 10 Subsectors by Value of Shipments

(Billion of Dollars)

Transportation equipment manufacturing	\$903.3 B
Food manufacturing*	\$790.5 B
Chemical manufacturing*	\$788.7 B
Petroleum and coal products manufacturing*	\$786.5 B
Machinery manufacturing	\$400.4 B
Fabricated metal product manufacturing	\$359.0 B
Computer and electronic product manufacturing	\$304.7 B
Primary metal manufacturing	\$263.6 B
Plastics and rubber products manufacturing	\$235.2 B
Paper manufacturing	\$186.8 B

The total value of shipments for 2014 was \$5.9 trillion.

Source: 2014 Annual Survey of Manufactures

\* The difference between the shipments estimates, within each pair of subsectors, is not statistically significant at the 90 percent level: Food manufacturing and Chemical manufacturing; and Chemical manufacturing and Petroleum and coal products manufacturing.

Source: 2014 Annual Survey of Manufactures

How does manufacturing contribute to exports?

In 2014, About 6 in 10 U.S. Exports Dollars came from Manufacturers\*

\$847.8 B Manufacturers (58.8%)

\$329.3 B Wholesalers (22.8%)

\$264.8 Others and Unclassified (18.4%)

\*Graphics shows the known value of the portion of U.S. Exports that could be matched to specific companies.

Source: U.S. Census Bureau, A Profile of U.S. Importing and Exporting Companies, 2013-2014

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U.S. Department of Commerce

Economics and Statistics Division

U.S. Census Bureau

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