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United States Census Bureau

Measuring America

Manufacturing in America

Manufacturing plays a major role in our economy. According the Census Bureau's latest County Business Patterns, the manufacturing sector includes almost 300,000 establishments with 11 million employees producing goods that we consume domestically or export abroad. The nation relies on several key Census Bureau programs to track America's manufacturing. The most recent year's data from some of these programs are highlighted below.

How does manufacturing compare to other industries?

Manufacturing is the 4th Largest Employer (Bar Graph)

Health care and social assistance 18.1 million

Retail trade 14.7 million

Accommodation and food services 11.6 million

Manufacturing 11.0 million

Administrative and support and waste management and remediation services 9.4 million

Professional, scientific, and technical services 7.9 million

Finance and insurance 5.9 million

Wholesale trade 5.6 million

Construction 5.2 million

Other services (except public administration) 5.2 million

Transportation and warehousing 4.1 million

Educational services 3.4 million

Information 3.1 million

Management of companies and enterprises 2.9 million

Arts, entertainment, and recreation 2.0 million

Real estate and rental and leasing 1.9 million
Mining, quarrying, and oil and gas extraction 0.7 million
Utilities 0.6 million
Agriculture, forestry, fishing, and hunting 0.2 million
Source: 2011 County Business Patterns

Average Annual Payroll per Employee by Sector (Bar Graph)

Management of companies and enterprises \$102,300
Utilities \$90,500
Mining, quarrying, and oil and gas extraction \$84,800
Finance and insurance \$83,800
Information \$75,000
Professional, scientific, and technical services \$71,600
Wholesale Trade \$63,500
Manufacturing \$52,300
Construction \$51,100
Total for all Sectors \$45,500
Real estate and rental and leasing \$43,800
Health care and social assistance \$43,200
Transportation and warehousing \$42,900
Agriculture, forestry, fishing, and hunting \$35,000
Administrative and support and waste management and remediation services \$34,700
Education Services \$34,000
Arts, entertainment, and recreation \$31,700
Other services (except public administration) \$27,800

Retail Trade \$25,200

Accommodation and food services \$16,800

Source: 2011 County Business Patterns

Manufacturing employed 11.0 million workers in 2011. The annual payroll was \$574.8 billion.

Source: 2011 County Business Patterns

Note: Average annual payroll per employee by sector was derived by dividing total annual payroll of the sector by the number of employees in the sector.

Where does manufacturing occur in the U.S.?

Manufacturing Employees by State (Map)

Total Number of U.S. Manufacturing Employees = 11 million

Map Key

More than 400,000 (10 states)

100,000 to 400,000 (24 states)

Less than 100,000 (16 states and D.C.)

Source: 2011 County Business Patterns

In 2011, 27.4 percent of manufacturing employees 25 and older had a bachelor's degree or higher.

Note: the percent of manufacturing employees 25 and older who had a bachelor's degree or higher was derived by dividing the sum of bachelor's degrees, masters degrees, professional degrees, and doctor degrees by the total manufacturing employees 25 and older.

Source: 2011 Current Population Survey, Annual Social and Economic Supplement

Manufacturing is one of top 3 employers in 26 states (Map)

The 146,615 manufacturing establishments employ over 6.0 million people with over \$320 billion in annual payroll.

Map Key

State with manufacturing as a top 3 employer

Top 5 states in manufacturing employment: 2011

1. California 1,134,193*
2. Texas 733,679*
3. Ohio 614,027
4. Pennsylvania 546,956
5. Illinois 538,985

*Manufacturing is not among the top 3 employers in California and Texas.

Source: 2011 County Business Patterns

How much do consumers consume?

Top 10 Industries by Cost of Materials (Bar Graph)

(Billions of Dollars)

Petroleum and coal products \$717 Billion

Food \$448 Billion

Transportation equipment \$433 Billion

Chemical \$407 Billion

Machinery \$193 Billion

Primary metal \$185 Billion

Fabricated metal products \$157 Billion

Computer and electronic products \$132 Billion

Plastics and rubber products \$114 Billion

Paper \$94 Billion

Source: 2011 Annual Survey of Manufactures

Manufacturers purchased nearly 831 billion kilowatt hours of electricity in 2011. They also generated nearly 119 billion kilowatt hours and sold nearly 35 billion kilowatt hours.

Source: 2011 Annual Survey of Manufactures

Of the \$147 billion in capital expenditures, 85 percent was spent on new and used machinery and equipment.

Source: 2011 Annual Survey of Manufactures

Manufacturing spent \$3.2 trillion on materials and in addition spent \$147 billion on capital expenditures.

Source: 2011 Annual Survey of Manufactures

What industries have the largest value of shipments?

Top 10 industries by Value of Shipments (Bar Graph)

(Billions of Dollars)

Petroleum and coal products \$837 Billion

Chemical \$777 Billion

Food \$710 Billion

Transportation equipment \$690 Billion

Machinery \$366 Billion

Computer and electronic products \$338 Billion

Fabricated metal products \$327 Billion

Primary metal \$280 Billion

Plastic and rubber products \$205 Billion

Paper \$176 Billion

Source: 2011 Annual Survey of Manufactures

The total value of shipments for 2011 was \$5.5 trillion.

Source: 2011 Annual Survey of Manufactures

How does manufacturing contribute to exports?

About 6 in 10 U.S. Exports Come from Manufacturers*

59.7 % Manufacturers

22.9 % Wholesalers

17.3 % Others and Unclassified

*Note: Graphic shows the known value of the portion of U.S. total exports that could be matched to specific companies.

Source: A Profile of U.S. Importing and Exporting Companies, 2010-2011

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