

# Annual Survey of Manufactures: 2021

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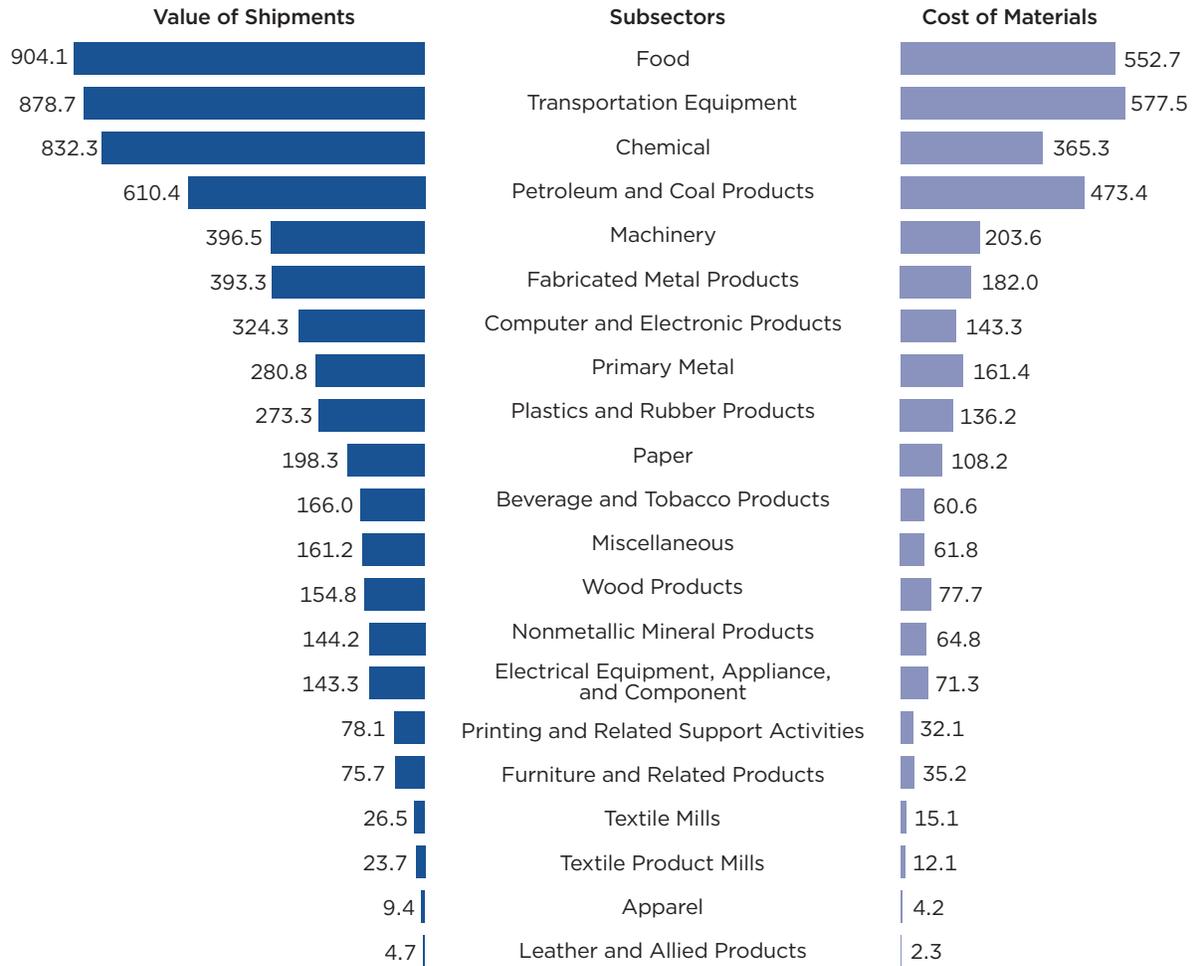
## VALUE OF SHIPMENTS AND COST OF MATERIALS BY SUBSECTORS

Value of shipments and cost of materials for manufacturing subsectors in the United States ranged from \$4.7 billion to \$904.1 billion and \$2.3 billion to \$577.5 billion in 2021. Among all subsectors in the manufacturing sector, Food Manufacturing, North American Industry Classification (NAICS) subsector 311, had the largest value of shipments at \$904.1 billion and the second largest cost of materials at \$552.7 billion. Transportation Equipment Manufacturing, NAICS subsector 336, had the second largest value of shipments at \$878.7 billion and the largest cost of materials at \$577.5 billion. Chemical Manufacturing, NAICS subsector 325, had the third largest value of shipments at \$832.3 billion and the fourth largest cost of materials at \$365.3 billion.

Across all manufacturing subsectors, Leather and Allied Product Manufacturing, NAICS subsector 316 had the smallest value of shipments at \$4.7 billion and the smallest cost of materials at \$2.3 billion. The second lowest value of shipments and cost of materials was in Apparel Manufacturing, NAICS subsector 315, at \$9.4 billion and \$4.2 billion, respectively. Textile Product Mills, NAICS subsector 314, ranked the third lowest in value of shipments at \$23.7 billion and cost of materials at \$12.1 billion.

Figure 1.

**Manufacturing Value of Shipments and Cost of Materials by Subsector: 2021**  
(In billions of dollars)



Note: The difference between the value of shipments estimates within each pair of subsectors is not statistically significant at the 90 percent level for Machinery manufacturing and Fabricated Metal Product manufacturing; and Nonmetallic Mineral Product manufacturing and Electrical Equipment, Appliance, and Component manufacturing. The difference between the total cost of materials estimate for Miscellaneous manufacturing and Beverage and Tobacco Product manufacturing is not statistically significant at the 90 percent level. Approval ID: CBDRB-FY23-086, Project No. P-7500114.  
Source: U.S. Census Bureau, 2021 Annual Survey of Manufactures.

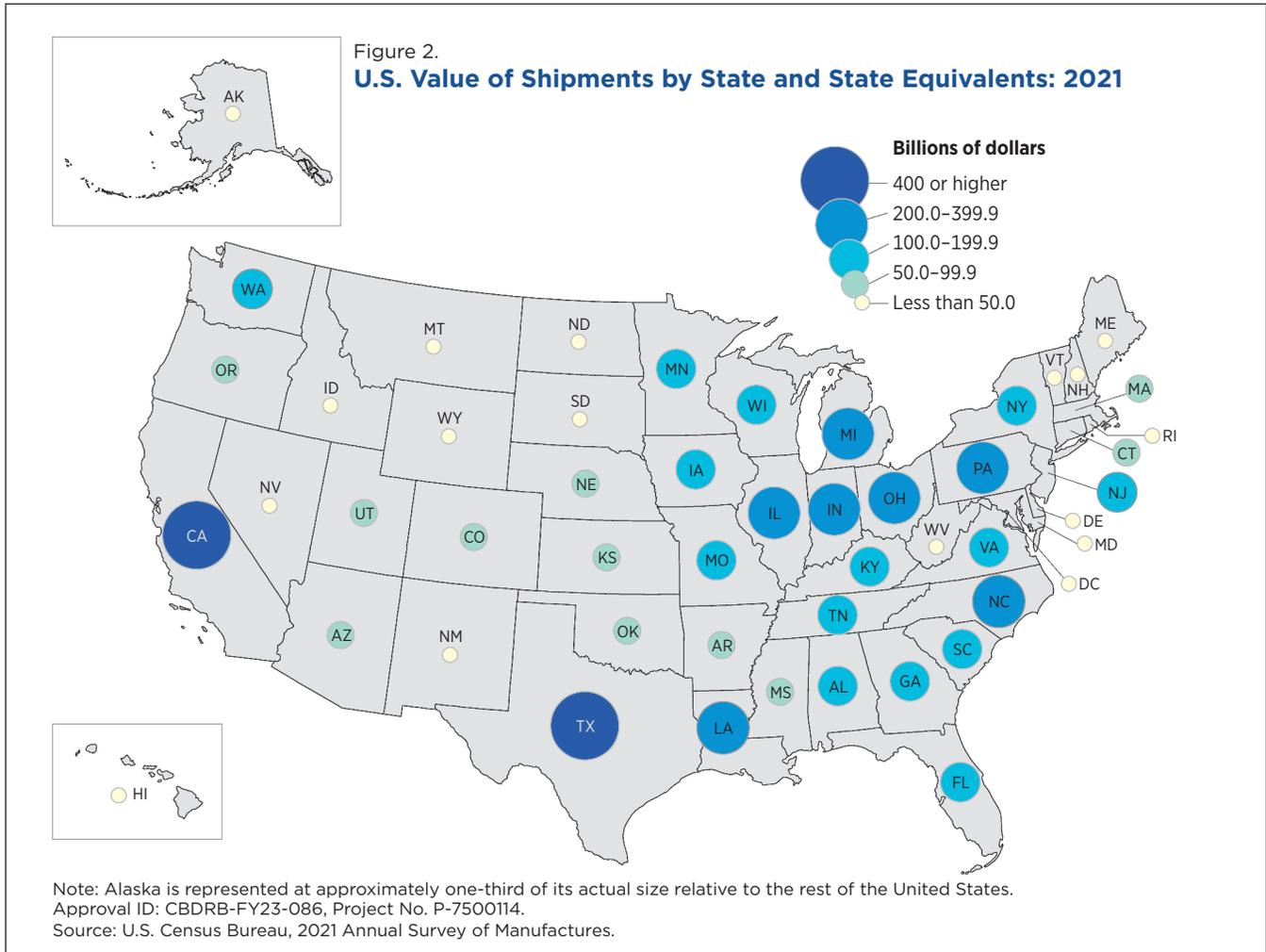
## VALUE OF SHIPMENTS BY STATE AND STATE EQUIVALENTS

In 2021, the total value of shipments for the manufacturing sector was \$6.1 trillion. States and state equivalents with the highest value of shipments were Texas (\$652.4 billion), California (\$565.9

billion), Ohio (\$321.9 billion), Indiana (\$289.5 billion), and Illinois (\$279.6 billion).

States and state equivalents with the lowest value of shipments were Washington, DC (\$0.3 billion), Hawaii (\$5.8 billion), Alaska (\$6.4 billion), Wyoming (\$8.6 billion), and Vermont (\$9.6 billion).

The top five states and state equivalents with the highest value of shipments accounted for 34.7 percent of the U.S. total value of shipments, while the five states and state equivalents with the lowest value of shipments accounted for 0.5 percent.



## ANNUAL PAYROLL PER EMPLOYEE BY SUBSECTOR

Annual payroll per employee varied across manufacturing subsectors. The Petroleum and Coal Products Manufacturing subsector had the highest annual payroll per employee at \$113,393.

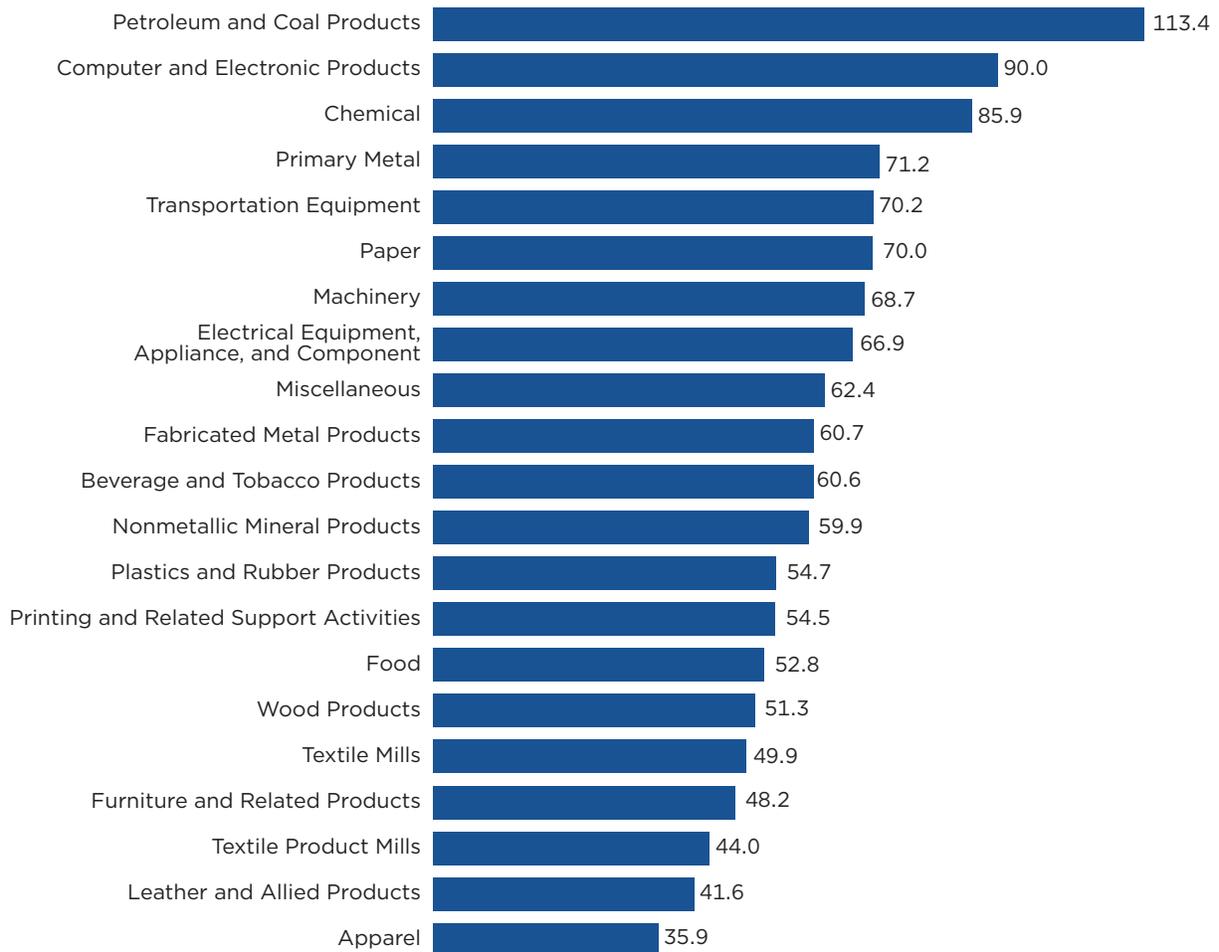
Other subsectors with high annual payroll per employee include Computer and Electronic Product Manufacturing and Chemical Manufacturing at \$90,021 and \$85,876, respectively. The Apparel Manufacturing subsector had the lowest annual payroll per

employee in 2021 at \$35,875. The two subsectors with the next lowest annual payroll per employee were the Leather and Allied Product Manufacturing subsector with \$41,555 and the Textile Product Mills subsector with \$44,005.

Figure 3.

### Annual Payroll Per Employee by Manufacturing Subsector: 2021

(In thousands of dollars)



Note: The difference between the value of shipments estimates within each pair of subsectors is not statistically significant at the 90 percent level for Primary Metal Manufacturing, Transportation Equipment Manufacturing, and Paper Manufacturing; Paper Manufacturing and Machinery Manufacturing; Miscellaneous Manufacturing, Fabricated Metal Product Manufacturing, Beverage and Tobacco Product Manufacturing, and Nonmetallic Mineral Product Manufacturing; Plastic and Rubber Product Manufacturing and Printing and Related Support Activities Manufacturing; Wood Product Manufacturing and Textile Mills; and Textile Mills and Furniture and Related Product Manufacturing. Approval ID: CBDRB-FY23-086, Project No. P-7500114.  
Source: U.S. Census Bureau, 2021 Annual Survey of Manufactures.

## CHANGE IN VALUE OF SHIPMENTS FROM 2020 TO 2021 BY SUBSECTOR

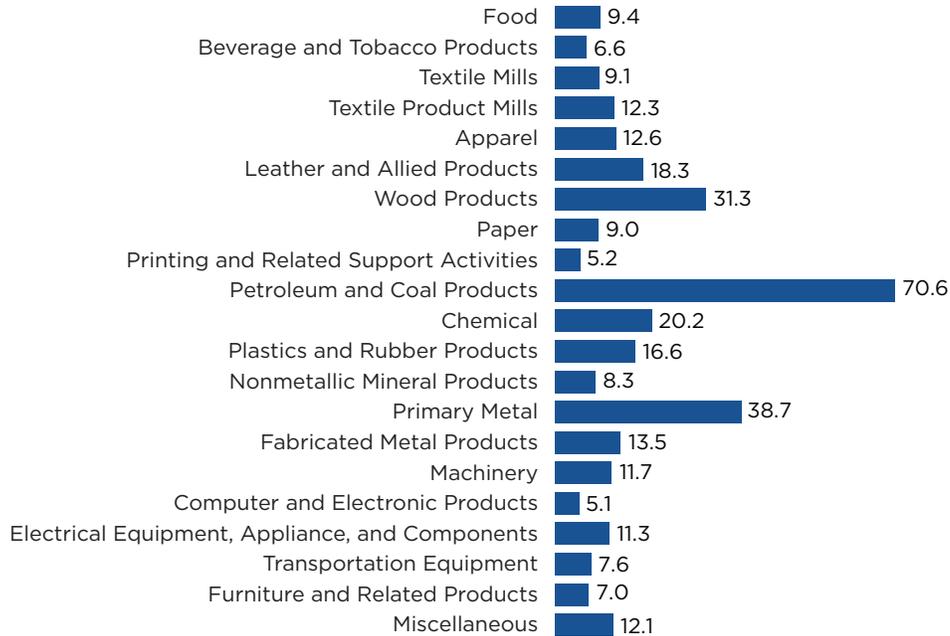
Every subsector had an increase in value of shipments from 2020 to 2021. The Petroleum and Coal

Products Manufacturing subsector had the largest growth rate at 70.6 percent (\$357.8 billion to \$610.4 billion) and the Primary Metal Product Manufacturing subsector had

the second largest growth rate at 38.7 percent (\$202.4 billion to \$280.8 billion). The Wood Product Manufacturing subsector had third largest growth rate at 31.3 percent (\$117.8 billion to \$154.8 billion).

Figure 4.

### Manufacturing: Value of Shipments Percent Changes by Subsector From 2020 to 2021



Note: Approval ID: CBDRB-FY23-086, Project No. P-7500114.  
Source: U.S. Census Bureau, 2021 Annual Survey of Manufactures.