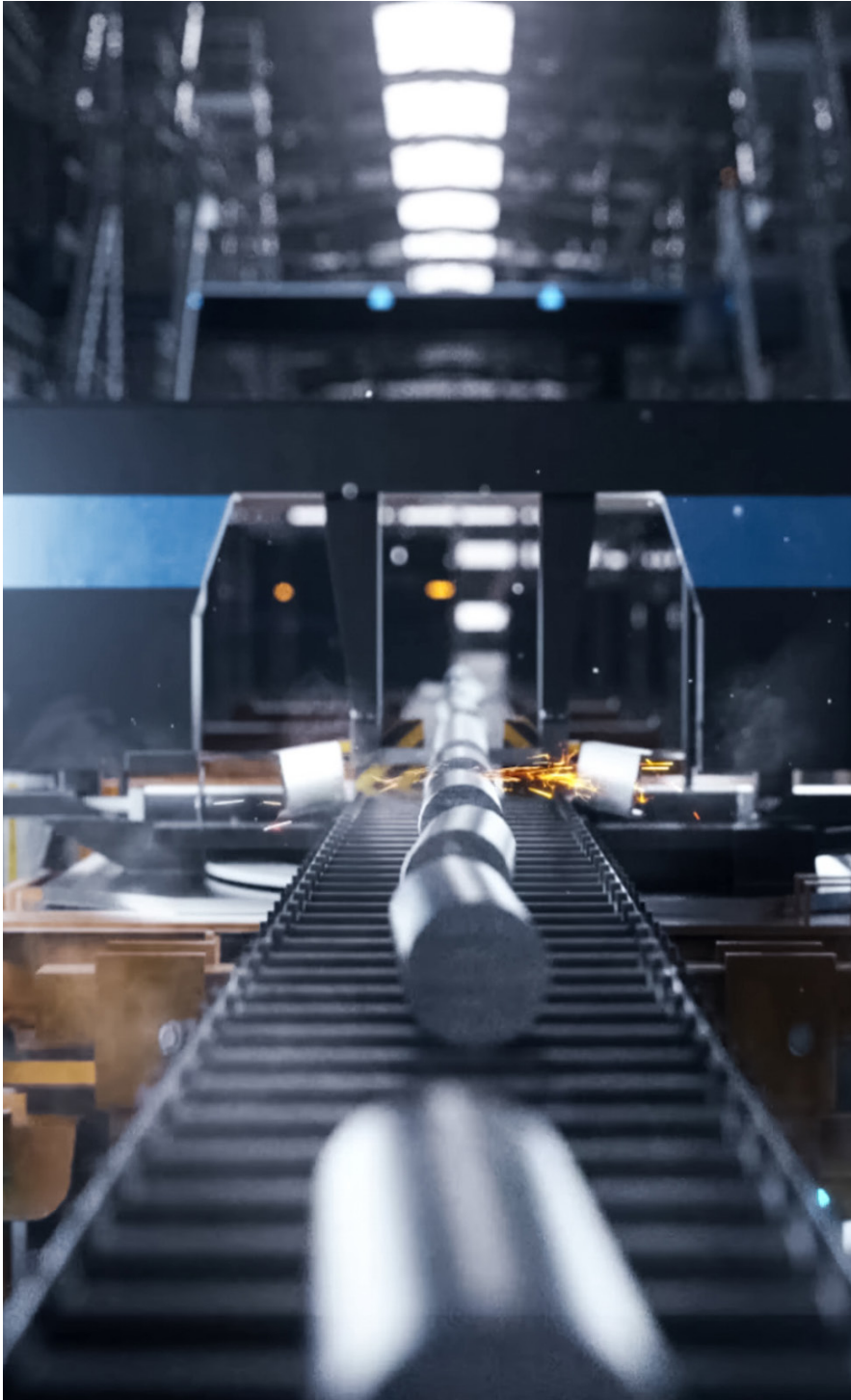


Annual Survey of Manufactures: 2019

By Steven Roman, Aja Madison, Jorday Taswell, Myungjoon Noh and Nasrin Dalirazar
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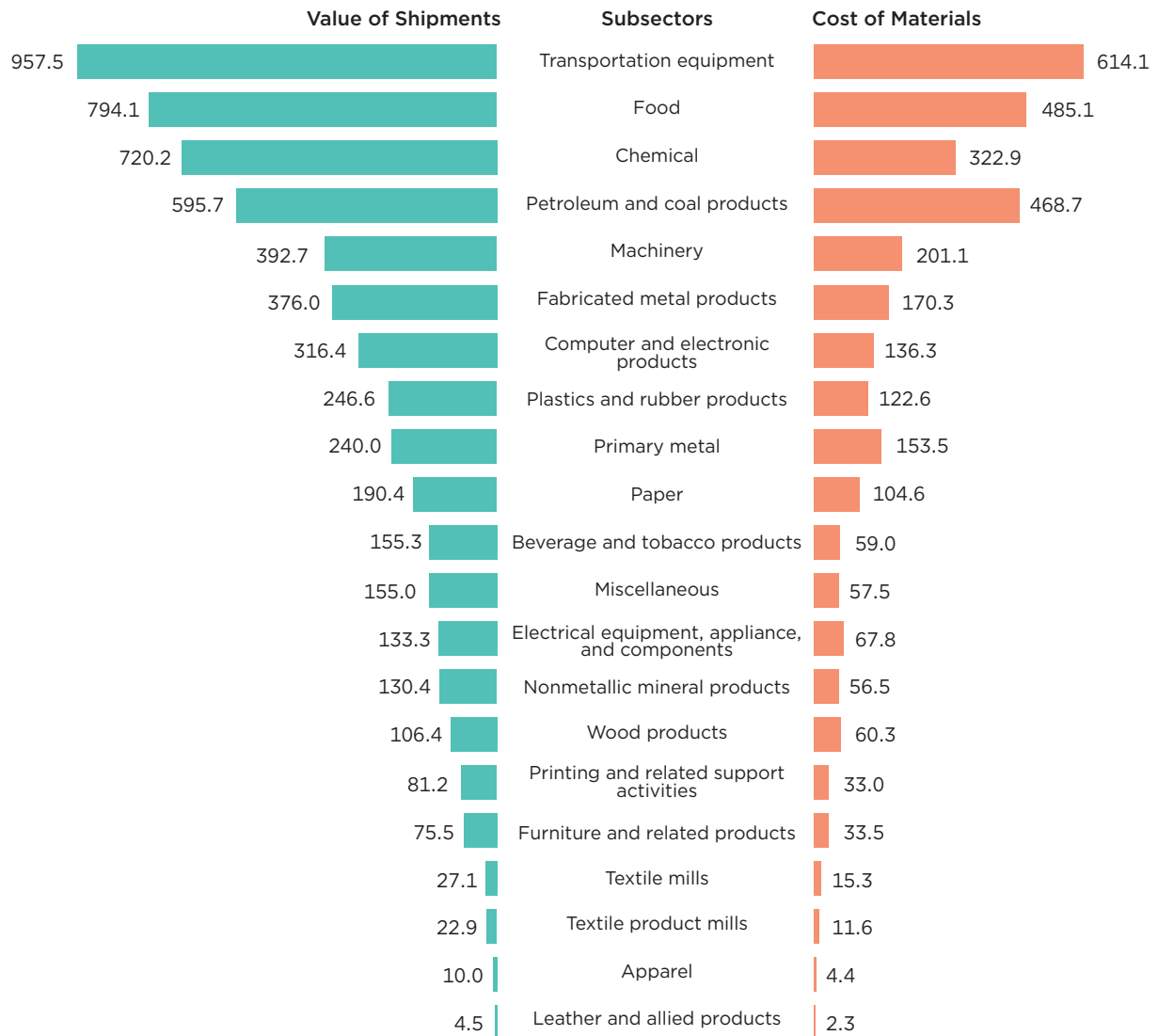
VALUE OF SHIPMENTS AND COST OF MATERIALS BY SUBSECTOR

Value of shipments and cost of materials among manufacturing subsectors in 2019 ranged from \$4.5 billion and \$2.3 billion, to \$957.5 billion and \$614.1 billion, respectively. Transportation and equipment manufacturing, North American Industry Classification System (NAICS) subsector 336, had the largest value of shipments and cost of materials (\$957.5 billion and \$614.1 billion). Food manufacturing, NAICS subsector 311, ranked second in value of shipments and cost of materials (\$794.1 billion and \$485.1 billion). Chemical manufacturing, NAICS subsector 325, ranked third in value of shipments, at \$720.2 billion, while ranking fourth in cost of materials, at \$322.9 billion. Petroleum and coal products manufacturing, NAICS subsector 324, had the fourth largest value of shipments, at \$595.7 billion, while ranking third in cost of materials, at \$468.7 billion. Leather and allied product manufacturing, NAICS subsector 316, had the lowest value of shipments and cost of materials (\$4.5 billion and \$2.3 billion). Apparel manufacturing, NAICS subsector 315, ranked second lowest in value of shipments and cost of materials (\$10 billion and \$4.4 billion). Textile product mills, NAICS subsector 314, ranked third lowest in value of shipments at \$22.9 billion and cost of materials at \$11.6 billion.

Figure 1.

Manufacturing Value of Shipments and Cost of Materials by Subsector: 2019

(In billions of dollars)



Note: The difference between the value of shipments estimates for beverage and tobacco product manufacturing and miscellaneous manufacturing is not statistically significant at the 90 percent level.

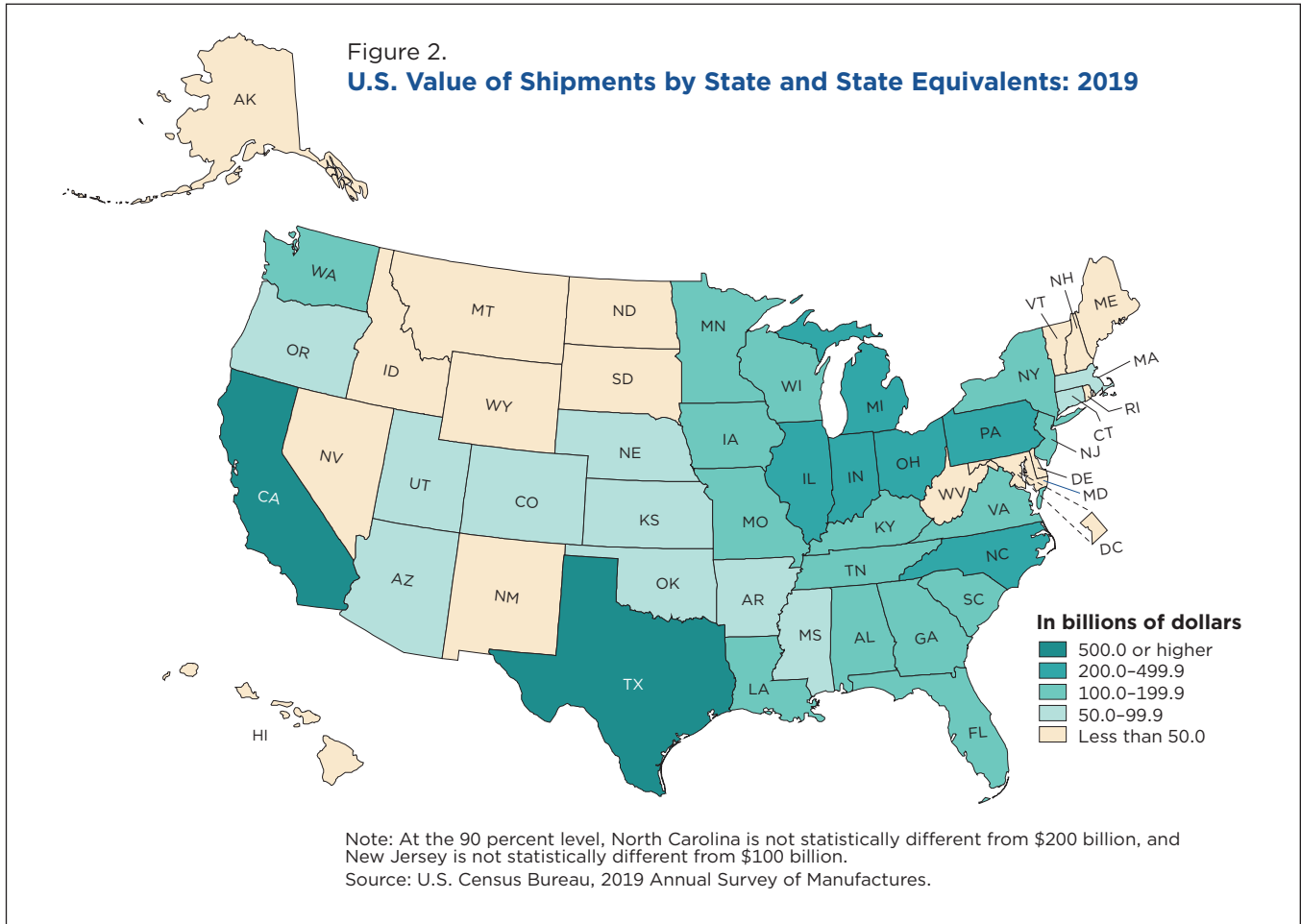
Source: U.S. Census Bureau, 2019 Annual Survey of Manufactures.

VALUE OF SHIPMENTS BY STATE AND STATE EQUIVALENTS

In 2019, the total value of shipments for the manufacturing sector was \$5.7 trillion. States and state equivalents with the highest value of shipments were Texas (\$599.8 billion), California (\$543.2 billion), Ohio (\$313.5 billion), Michigan (\$267.1 billion),

and Indiana (\$257.9 billion), although it is not statistically different from Illinois (\$256.7 billion) at the 90 percent level. States and state equivalents with the lowest value of shipments were Washington, D.C. (\$0.4 billion), Alaska (\$6.6 billion), Hawaii (\$6.6 billion), Wyoming (\$9.8 billion), Vermont (\$10.0 billion), and Montana (\$11.9 billion).

The top five states and state equivalents with the highest value of shipments accounted for 34.6 percent of the U.S. total value of shipments, while the five states and state equivalents with the lowest value of shipments accounted for 0.6 percent.



ANNUAL PAYROLL PER EMPLOYEE BY SUBSECTOR

Annual payroll per employee varied across manufacturing subsectors. The petroleum and coal manufacturing industry had the highest annual payroll per employee at \$107,207. Other

industries with high payroll per employee include computer and electronic manufacturing and chemical manufacturing at \$84,489 and \$81,444, respectively.

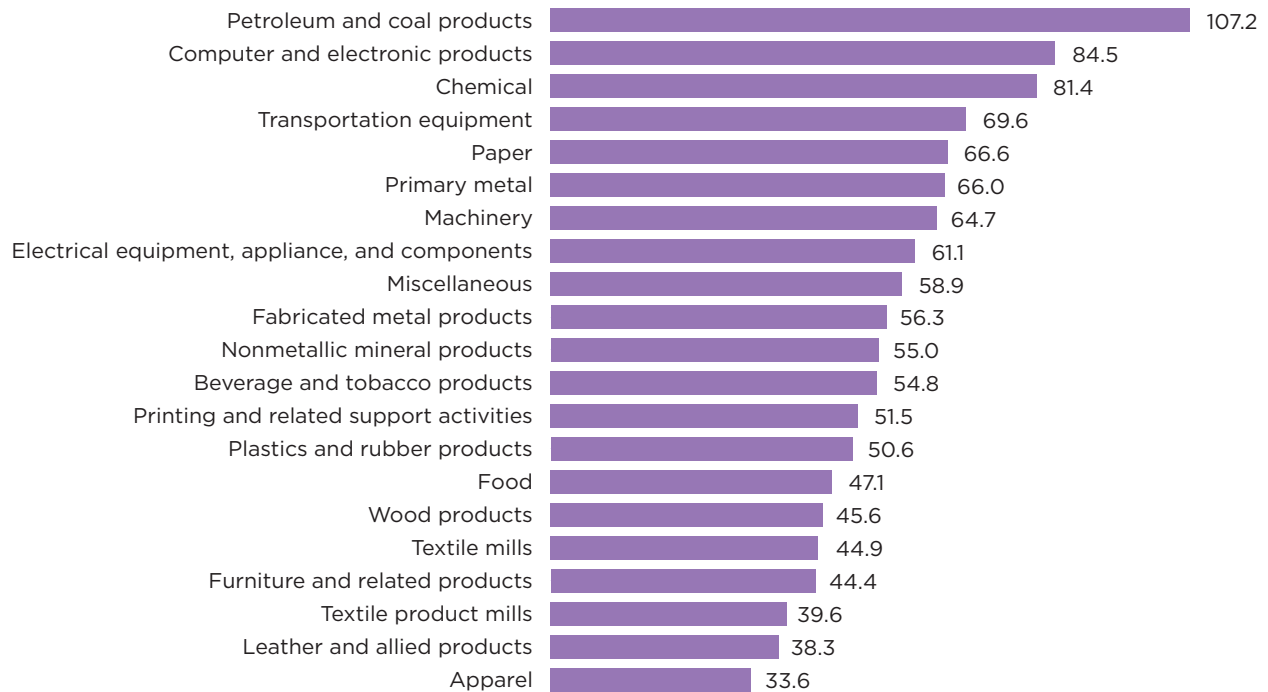
The apparel manufacturing industry had the lowest annual payroll per employee in 2019 at \$33,600.

The leather and allied product manufacturing industry had the second lowest annual payroll by employee at \$38,258. The textile products mills industry had the third lowest payroll per employee at \$39,599.

Figure 3.

Annual Payroll Per Employee by Manufacturing Subsector: 2019

(In thousands of dollars)



Note: The difference between the estimates, within each pair of subsectors, is not statistically significant at the 90 percent level for paper manufacturing and primary metal manufacturing, nonmetallic mineral product manufacturing and beverage and tobacco product manufacturing, printing and related support activities and plastics and rubber product manufacturing, wood product manufacturing and textile mills, textile mills and furniture and related products manufacturing, textile product mills and leather and allied product manufacturing.

Source: U.S. Census Bureau, 2019 Annual Survey of Manufactures.