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Technical Information: (202) 691-5606 • productivity@bls.gov • www.bls.gov/lpc

Media Contact: (202) 691-5902 • PressOffice@bls.gov

PRODUCTIVITY AND COSTS BY INDUSTRY: WHOLESALE TRADE, RETAIL TRADE, AND FOOD SERVICES AND DRINKING PLACES INDUSTRIES – 2017

Labor productivity rose 2.7 percent in wholesale trade and 2.8 percent in retail trade, and declined by 2.2 percent in food services and drinking places in 2017, the U.S. Bureau of Labor Statistics reported today. **Unit labor costs**, which reflect the total labor costs required to produce a unit of output, rose in food services and drinking places and fell in wholesale trade and retail trade.

For wholesale trade in 2017, productivity, output, and hours worked all increased at a faster rate than in 2016. In retail trade, the growth in output continued to outpace the growth in hours worked in 2017 but led to a smaller productivity increase than in 2016. Productivity in food services and drinking places declined in 2017 due to hours worked increasing at a faster rate than output. In 2016, productivity increased in this industry group as a result of output growing at a faster rate than hours worked.

Chart 1. Productivity change in the largest (by employment) 4-digit wholesale trade, retail trade, and food services and drinking places industries, 2017

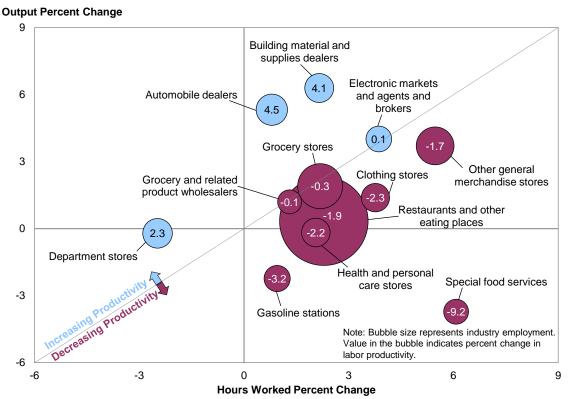


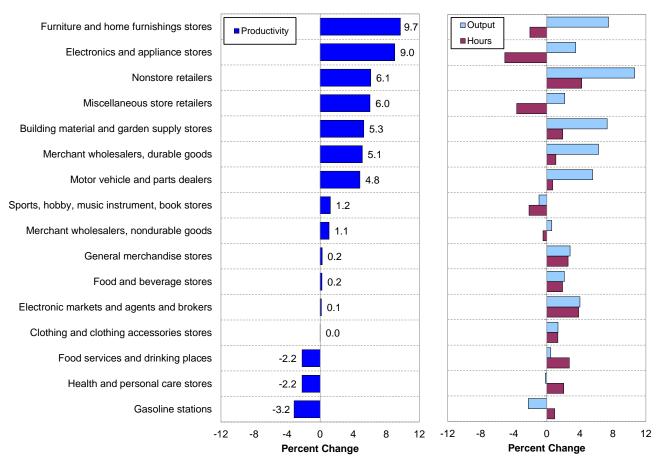
Chart 1 shows the changes in output and hours worked for industries with the largest employment. Industries above the diagonal line experienced growth in productivity. Among these industries, three reported growth in both output and hours worked. Department stores showed declines in both output and hours worked. Productivity growth was greatest in automobile dealers, where output growth surpassed 5 percent for the eighth consecutive year.

Industries below the diagonal line exhibited declining productivity. Hours worked increased in all eight of these industries while output declined or grew at a slower rate. This includes the largest industry, restaurants and other eating places, which has experienced growth in both output and hours worked for 7 consecutive years. In all but 2 of these years, the growth in hours worked exceeded the growth in output leading to productivity declines.

Labor Productivity Rose in Majority of Industries in 2017

Productivity increased in 12 of the 16 3-digit NAICS industries studied in 2017. Seven industries had productivity gains of at least 4.0 percent, including nonstore retailers which also had the largest increase in output (10.6 percent). Among the three industries with productivity declines, gasoline stations experienced the largest drop (-3.2 percent). (See chart 2).

Chart 2. Productivity change in 3-digit wholesale trade, retail trade, and food services and drinking places industries, 2017



Productivity increased in 32 of the 49 4-digit NAICS industries studied in 2017. Output grew in 34 industries while hours worked grew in 31 industries. (See table 1).

In **wholesale trade**, productivity rose 2.7 percent as output grew 3.7 percent and hours worked increased 0.9 percent.

- Productivity grew 5.1 percent in durable goods wholesalers and 1.1 percent in nondurable goods wholesalers.
- Productivity increased in 13 of the 19 4-digit wholesale trade industries while output rose in 15 industries and hours worked grew in 13.
- Productivity increased most rapidly in motor vehicles and parts due to rapid growth in output and a slight increase in hours worked.

In **retail trade**, productivity increased by 2.8 percent, driven by growth in both output (3.9 percent) and hours worked (1.0 percent).

- Productivity increased in 18 of the 27 4-digit retail trade industries while output grew in 17 industries and hours worked rose in 15.
- The largest productivity increases occurred in other motor vehicle dealers and in home furnishings stores as output rose and hours worked declined in both industries.
- Other motor vehicle dealers experienced the largest growth in output (17.2 percent) resulting in a 17.3 percent increase in productivity.

In **food services and drinking places,** productivity declined by 2.2 percent as growth in hours worked (2.7 percent) outpaced growth in output (0.5 percent).

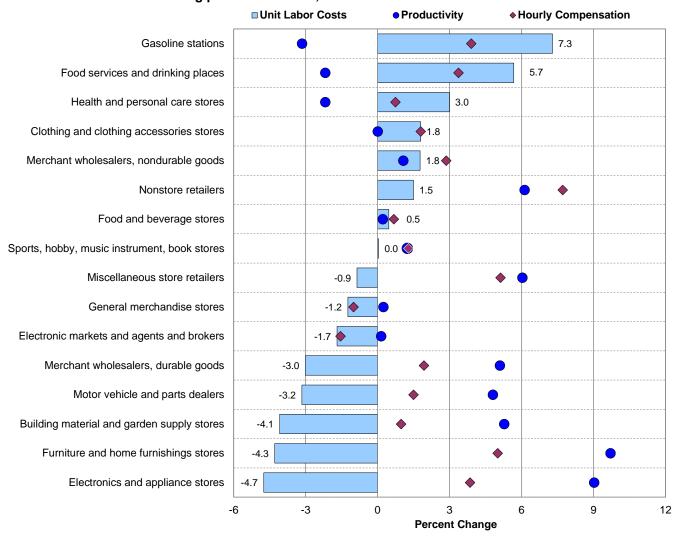
- Drinking places (alcoholic beverages) was the only industry out of the three to experience productivity growth (6.5 percent).
- All three 4-digit industries had increases in hours worked while special food services was the only industry to have a decline in output.

Unit Labor Costs Decline in About Half of the Industries in 2017

When productivity gains outpace hourly compensation, unit labor costs decline.

- Unit labor costs fell in 8 out of 16 3-digit industries in 2017. All unit labor cost declines occurred in industries where productivity rose. (See chart 3).
- Unit labor costs declined in 8 of 19 wholesale trade and 14 of 27 retail trade 4-digit industries.
 Two of the food services and drinking places industries experienced an increase in unit labor costs.
- Hourly compensation, defined as labor compensation per hour worked, rose in 42 of the 49 4-digit industries.

Chart 3. Unit labor costs, productivity, and hourly compensation in 3-digit wholesale trade, retail trade, and food services and drinking places industries, 2017



Long-term Productivity Slowdown Reflected in All Three Industry Groups

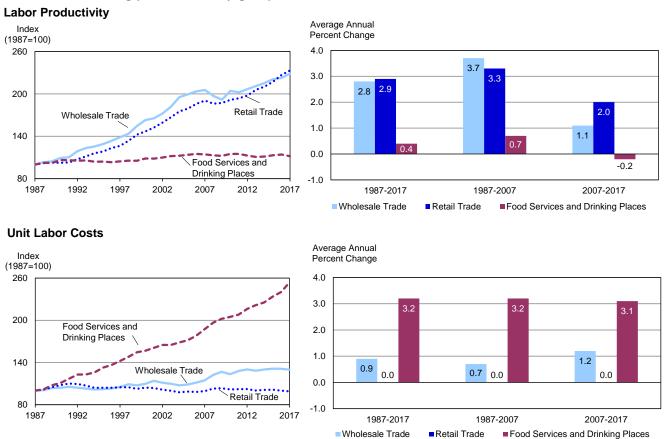
From 1987 to 2017, **labor productivity** increased at an average annual rate of 2.8 percent in wholesale trade, 2.9 percent in retail trade, and 0.4 percent in food services and drinking places.

- Among the 4-digit industries, productivity rose in all but two industries from 1987 to 2017. Median productivity among these industries grew at an average annual rate of 1.8 percent.
- Of the 47 4-digit industries with increasing productivity growth, 43 experienced rising output while 23 had an increase in hours worked.
- All three industry groups experienced a slowdown in productivity growth from 2007 to 2017. (See chart 4). Productivity increased in 45 out of 49 4-digit industries from 1987 to 2007 compared to 33 industries from 2007 to 2017.

From 1987 to 2017, **unit labor costs** increased at an average annual rate of 3.2 percent in food services and drinking places, the greatest change among the three industry groups. Unit labor costs increased by 0.9 percent in wholesale trade and were unchanged in retail trade.

- Among the 4-digit industries, unit labor costs fell in 14 out of 49 industries from 1987 to 2017.
 Unit labor costs declined in 2 out of 19 wholesale trade and in 12 out of 27 retail trade industries and increased in all food services and drinking places industries.
- From 2007 to 2017, unit labor costs declined in 15 out of 49 industries. All industries with declines in unit labor costs experienced increases in productivity.
- During the 1987 to 2007 and 2007 to 2017 periods, electronics and appliance stores had the largest unit labor cost declines and the largest productivity gains among the 3-digit industries.

Chart 4. Long-term changes in productivity and unit labor costs for wholesale trade, retail trade, and food services and drinking places industry groups



Additional Information

The trade and food services and drinking places measures in this release incorporate benchmark data from the Census Bureau's Service Annual Survey (November 2017), Annual Wholesale Trade Report (March 2018), Monthly Wholesale Trade Survey (May 2018), Annual Retail Trade Survey (March 2018), Annual Revision of the Monthly Retail and Food Services: Sales and Inventories (May 2018), and Nonemployer Statistics (June 2018). Data have been benchmarked to the final results of the 2012 Economic Census. Accordingly, the labor productivity and output series for all industries have been revised for 2016 and earlier years. Additionally, the unit labor cost measures incorporate preliminary data from the BLS Quarterly Census of Employment and Wages (June 2018).

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- Additional industries and sectors
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- Additional years and long-term data

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Questions?

Additional information can be obtained by calling the BLS productivity program at (202) 691-5606 or by sending an email to productivity@bls.gov. Information in this release will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; Federal Relay Service: (800) 877-8339.

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Technical Note

Labor Productivity: Labor productivity describes the relationship between real output and the labor hours involved in its production. These measures show the changes from period to period in the amount of goods and services produced per hour worked. Although the labor productivity measures relate output in an industry to hours worked of all persons in that industry, they do not measure the specific contribution of labor to growth in output. Rather, they reflect the joint effects of many influences, including: changes in technology; capital investment; utilization of capacity, energy, and materials; the use of purchased services inputs, including contract employment services; the organization of production; the characteristics and effort of the workforce; and managerial skill.

Unit Labor Costs: Unit labor costs represent the cost of labor required to produce one unit of output. The unit labor cost indexes are computed by dividing an index of nominal industry labor compensation by an index of real industry output. Unit labor costs also describe the relationship between compensation per hour worked (hourly compensation) and real output per hour worked (labor productivity). When hourly compensation growth outpaces productivity, unit labor costs increase. Alternatively, when productivity growth exceeds hourly compensation, unit labor costs decrease.

Output: Industry output is measured as an annual-weighted index of the changes in the various products (in real terms) provided for sale outside the industry. Real industry output for data in this release is derived by deflating nominal sales or values of production using price indexes. Industry output measures are constructed primarily using data from the economic censuses and annual surveys of the U.S. Census Bureau, U.S. Department of Commerce, together with information on price changes from BLS.

Labor Hours: Labor hours are measured as annual hours worked by all employed persons in an industry. Data on industry employment and hours come primarily from the BLS Current Employment Statistics (CES) survey and Current Population Survey (CPS). CES data on the number of total and production worker jobs held by wage and salary workers in nonfarm establishments are supplemented with CPS data on self-employed and unpaid family workers to estimate industry employment. Hours worked estimates are derived using CES and CPS employment, CES data on the average weekly hours paid of production workers, CPS data on hours of nonproduction, self-employed, and unpaid family workers, and ratios of hours worked to hours paid based on data from the National Compensation Survey (NCS). For some industries, employment and hours data are supplemented or further disaggregated using data from the BLS Quarterly Census of Employment and Wages (QCEW), the Census Bureau, or other sources. Hours worked are estimated separately for different types of workers and then are directly aggregated; no adjustments for labor composition are made.

Labor Compensation: Labor compensation, defined as payroll plus supplemental payments, is a measure of the cost to the employer of securing the services of labor. Payroll includes salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind. Supplemental payments include both legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation, such as the employer portion of private health insurance and pension plans. Industry compensation measures are constructed primarily using data from the BLS QCEW and the economic censuses of the Census Bureau, U.S. Department of Commerce.

Table 1. Recent labor productivity, unit labor costs, and related data

| Industry | 2012 | 2017 | Percent change, 2016-2017 | | | | | |
|---|---------------|------------------------|---------------------------|------------------|--------|-----------------|--------------------|--|
| | NAICS code | Employment (thousands) | Labor productivity | Unit labor costs | Output | Hours worked | Labor compensation | |
| Wholesale Trade | | | | | | | | |
| Wholesale trade | 42 | 6,039.5 | 2.7 | -0.9 | 3.7 | 0.9 | 2.7 | |
| Merchant wholesalers, durable goods | 423 | 3,034.4 | 5.1 | -3.0 | 6.3 | 1.1 | 3.1 | |
| Motor vehicles and parts | | 347.3 | 7.9 | -4.8 | 8.9 | 0.9 | 3.7 | |
| Furniture and furnishings | I | 111.7 | -0.9 | 2.4 | -1.1 | -0.2 | 1.2 | |
| Lumber and construction supplies | | 233.0 | 0.2 | 4.6 | 4.8 | 4.6 | 9.6 | |
| Commercial equipment | | 630.4 | 5.4 | -2.5 | 5.1 | -0.3 | 2.5 | |
| Metals and minerals | I | 125.4 | 4.8 | -1.9 | 4.3 | -0.5 | 2.3 | |
| Appliances and electric goods | | 336.1 | 5.5 | -4.9 | 7.6 | 2.1 | 2.4 | |
| Hardware and plumbing | | 257.2 | -2.2 | 5.8 | 1.1 | 3.3 | 6.9 | |
| Machinery and supplies | | 672.0 | 5.7 | -4.3 | 6.3 | 0.6 | 1.7 | |
| Miscellaneous durable goods | | 321.3 | 4.3 | -3.6 | 5.5 | 1.1 | 1.7 | |
| Merchant wholesalers, nondurable goods | | 2,103.9 | 1.1 | 1.8 | 0.6 | -0.5 | 2.4 | |
| • | 1 | 121.2 | -4.1 | 1.9 | -1.8 | 2.5 | 0.1 | |
| Paper and paper products Druggists' goods | | 203.1 | 2.0 | 0.6 | 0.5 | -1.4 | 1.1 | |
| Apparel and piece goods | I | 153.7 | -2.1 | 6.9 | -5.3 | -3.3 | 1.2 | |
| Grocery and related products | | 784.0 | -0.1 | 2.4 | 1.2 | 1.3 | 3.7 | |
| Farm product raw materials | | 74.5 | -1.9 | 5.8 | -0.5 | 1.3 | 5.7 | |
| Chemicals | 1 | 132.2 | 1.4 | 2.5 | 2.1 | 0.7 | 4.6 | |
| Petroleum | | 98.2 | 1.0 | 3.3 | 1.5 | 0.7 | 4.9 | |
| Alcoholic beverages. | | 199.8 | 0.9 | 0.1 | 1.7 | 0.8 | 1.9 | |
| Miscellaneous nondurable goods | 1 | 337.2 | 6.4 | -0.7 | 0.6 | -5.5 | -0.1 | |
| | | | | -0.7 | | | | |
| Electronic markets and agents and brokers | | 901.2 | 0.1 | -1.7 | 4.0 | 3.9 | 2.3 | |
| Electronic markets and agents and brokers | 4251 | 901.2 | 0.1 | -1.7 | 4.0 | 3.9 | 2.3 | |
| Retail Trade | | | | | | | | |
| Retail trade | 44-45 | 16,702.7 | 2.8 | -0.9 | 3.9 | 1.0 | 3.0 | |
| Motor vehicle and parts dealers | 444 | 2,066.3 | 4.8 | -3.2 | 5.6 | 0.7 | 2.2 | |
| Automobile dealers | | 1,330.1 | 4.6 | -3.2 -3.5 | 5.6 | 0.7 | 1.7 | |
| | I | 161.6 | 17.3 | -10.4 | 17.2 | -0.1 | 5.0 | |
| Other motor vehicle dealers | | 574.6 | -1.6 | 4.2 | -0.9 | 0.7 | 3.3 | |
| Auto parts, accessories, and tire stores | | | | 4.2 | -0.9 | 0.7 | | |
| Furniture and home furnishings stores | | 515.0 | 9.7 | -4.3 | 7.5 | -2.0 | 2.9 | |
| Furniture stores | 4421 | 237.4 | 5.0 | -2.4 | 4.1 | -0.9 | 1.6 | |
| Home furnishings stores | 4422 | 277.6 | 15.1 | -6.4 | 11.4 | -3.2 | 4.3 | |
| Electronics and appliance stores | 443 | 520.3 | 9.0 | -4.7 | 3.5 | -5.1 | -1.4 | |
| Electronics and appliance stores | | 520.3 | 9.0 | -4.7 | 3.5 | -5.1 | -1.4 | |
| ••• | | | | | | | | |
| Building material and garden supply stores | I | 1,317.7 | 5.3 | -4.1 | 7.3 | 1.9 | 2.9 | |
| Building material and supplies dealers Lawn and garden equipment and supplies stores | I | 1,145.7 172.0 | 4.1 | -3.4 | 6.3 | 2.2 | 2.7 | |
| | | 172.0 | 13.6 | -8.2 | 14.2 | 0.6 | 4.8 | |
| Food and beverage stores | 445 | 3,185.0 | 0.2 | 0.5 | 2.1 | 1.9 | 2.6 | |
| Grocery stores | | 2,762.4 | -0.3 | 1.2 | 1.9 | 2.2 | 3.1 | |
| Specialty food stores | 4452 | 248.8 | 5.6 | -7.8 | 7.2 | 1.4 | -1.2 | |
| Beer, wine and liquor stores | 4453 | 173.8 | 4.4 | -2.7 | 2.7 | -1.7 | -0.1 | |
| Health and personal care stores | 446 | 1,115.6 | -2.2 | 3.0 | -0.2 | 2.1 | 2.8 | |
| Health and personal care stores | | 1,115.6 | -2.2 | 3.0 | -0.2 | 2.1 | 2.8 | |
| · | | | | | | | | |
| Gasoline stations. | 1 | 940.0 | -3.2 | 7.3 | -2.2 | 1.0 | 4.9 | |
| Gasoline stations | 44/1 | 940.0 | -3.2 | 7.3 | -2.2 | 1.0 | 4.9 | |
| Clothing and clothing accessories stores | 448 | 1,482.7 | 0.0 | 1.8 | 1.4 | 1.3 | 3.2 | |
| Clothing stores | 4481 | 1,097.2 | -2.3 | 2.9 | 1.4 | 3.8 | 4.3 | |
| Shoe stores | 4482 | 217.3 | 8.5 | 0.4 | -1.0 | -8.7 | -0.5 | |
| Jewelry, luggage, and leather goods stores | 4483 | 168.2 | 1.4 | -1.8 | 3.6 | 2.2 | 1.8 | |
| Sports, hobby, music instruments, book stores | 451 | 664.3 | 1.2 | 0.0 | -0.9 | -2.2 | -0.9 | |
| Sporting goods and musical instrument stores | | 573.5 | 1.9 | -0.1 | -0.6 | -2.5 | -0.7 | |
| Book stores and news dealers | | 90.8 | -3.1 | 0.6 | -2.8 | 0.3 | -2.2 | |
| | | | 0.1 | 0.0 | | 0.0 | | |

Table 1. Recent labor productivity, unit labor costs, and related data — Continued

| | 2012 | 2017 | Percent change, 2016-2017 | | | | | |
|---|---------------|------------------------|---------------------------|------------------|--------|-----------------|--------------------|--|
| Industry | NAICS code | Employment (thousands) | Labor productivity | Unit labor costs | Output | Hours worked | Labor compensation | |
| General merchandise stores | 452 | 3,149.1 | 0.2 | -1.2 | 2.8 | 2.6 | 1.5 | |
| Department stores | 4521 | 1,194.8 | 2.3 | -5.5 | -0.2 | -2.5 | -5.7 | |
| Other general merchandise stores | 4529 | 1,954.3 | -1.7 | 2.0 | 3.7 | 5.5 | 5.8 | |
| Miscellaneous store retailers | 453 | 976.4 | 6.0 | -0.9 | 2.2 | -3.6 | 1.3 | |
| Florists | 4531 | 75.6 | 7.7 | 2.2 | 4.2 | -3.3 | 6.5 | |
| Office supplies, stationery and gift stores | 4532 | 274.6 | 4.9 | 3.9 | -4.8 | -9.2 | -1.1 | |
| Used merchandise stores | 4533 | 226.7 | 12.8 | -7.9 | 12.1 | -0.7 | 3.2 | |
| Other miscellaneous store retailers | 4539 | 399.5 | 4.4 | -1.2 | 2.5 | -1.8 | 1.3 | |
| Nonstore retailers | 454 | 770.3 | 6.1 | 1.5 | 10.6 | 4.2 | 12.3 | |
| Electronic shopping and mail-order houses | 4541 | 468.7 | 7.1 | 3.3 | 12.5 | 5.1 | 16.2 | |
| Vending machine operators | 4542 | 46.6 | -12.4 | 15.1 | -0.9 | 13.2 | 14.0 | |
| Direct selling establishments | 4543 | 255.0 | -2.8 | 3.4 | -2.0 | 0.8 | 1.3 | |
| Food Services and Drinking Places | | | | | | | | |
| Food services and drinking places | 722 | 11,961.0 | -2.2 | 5.7 | 0.5 | 2.7 | 6.2 | |
| Special food services | 7223 | 844.4 | -9.2 | 12.6 | -3.7 | 6.1 | 8.4 | |
| Drinking places, alcoholic beverages | 7224 | 408.0 | 6.5 | -6.7 | 14.0 | 7.0 | 6.4 | |
| Restaurants and other eating places | 7225 | 10,708.6 | -1.9 | 5.6 | 0.3 | 2.3 | 5.9 | |

Table 2. Long run labor productivity, unit labor costs, and related data

| Industry | 2012 | 2017 Employment (thousands) | Average annual percent change, 1987-2017 | | | | | |
|---|---------------|-----------------------------------|--|------------------|--------|-----------------|--------------------|--|
| | NAICS code | | Labor productivity | Unit labor costs | Output | Hours worked | Labor compensation | |
| Wholesale Trade | | | | | | | | |
| Wholesale trade | 42 | 6,039.5 | 2.8 | 0.9 | 3.2 | 0.4 | 4.1 | |
| Merchant wholesalers, durable goods | 423 | 3,034.4 | 4.4 | -0.6 | 4.6 | 0.1 | 3.9 | |
| Motor vehicles and parts | | 347.3 | 3.7 | 0.0 | 3.5 | -0.2 | 3.5 | |
| Furniture and furnishings | | 111.7 | 1.8 | 2.4 | 1.6 | -0.2 | 4.0 | |
| Lumber and construction supplies | | 233.0 | 1.1 | 1.5 | 1.7 | 0.6 | 3.3 | |
| Commercial equipment | | 630.4 | 11.7 | -6.8 | 11.8 | 0.1 | 4.2 | |
| Metals and minerals | 4235 | 125.4 | -0.4 | 3.6 | -0.2 | 0.1 | 3.4 | |
| Appliances and electric goods | 4236 | 336.1 | 7.6 | -3.0 | 7.2 | -0.4 | 4.1 | |
| Hardware and plumbing | 4237 | 257.2 | 1.6 | 1.9 | 2.3 | 0.7 | 4.3 | |
| Machinery and supplies | 4238 | 672.0 | 1.8 | 2.1 | 1.7 | 0.0 | 3.8 | |
| Miscellaneous durable goods | 4239 | 321.3 | 1.0 | 2.6 | 1.6 | 0.6 | 4.2 | |
| Merchant wholesalers, nondurable goods | 424 | 2,103.9 | 1.2 | 2.7 | 1.4 | 0.2 | 4.1 | |
| Paper and paper products | 1 | 121.2 | 1.0 | 2.2 | 0.4 | -0.7 | 2.6 | |
| Druggists' goods | | 203.1 | 2.6 | 3.7 | 3.7 | 1.1 | 7.5 | |
| Apparel and piece goods | 1 | 153.7 | 1.9 | 1.6 | 1.5 | -0.4 | 3.1 | |
| Grocery and related products | | 784.0 | 1.0 | 2.4 | 1.7 | 0.7 | 4.2 | |
| Farm product raw materials | | 74.5 | 1.4 | 3.9 | -0.3 | -1.7 | 3.5 | |
| Chemicals | 1 | 132.2 | 0.3 | 3.4 | 0.6 | 0.3 | 4.0 | |
| Petroleum | 1 | 98.2 | 2.5 | 1.9 | 1.1 | -1.4 | 3.1 | |
| Alcoholic beverages | | 199.8 | 0.2 | 2.9 | 2.0 | 1.8 | 5.0 | |
| Miscellaneous nondurable goods | | 337.2 | 0.2 | 3.2 | -0.2 | -0.4 | 2.9 | |
| Electronic markets and agents and brokers | 425 | 901.2 | 1.5 | 0.7 | 3.8 | 2.2 | 4.5 | |
| Electronic markets and agents and brokers | 1 | 901.2 | 1.5 | 0.7 | 3.8 | 2.2 | 4.5 | |
| • | 4231 | 901.2 | 1.5 | 0.7 | 3.0 | 2.2 | 4.5 | |
| Retail Trade | | | | | | | | |
| Retail trade | | 16,702.7 | 2.9 | 0.0 | 3.4 | 0.5 | 3.3 | |
| Motor vehicle and parts dealers | 441 | 2,066.3 | 2.3 | 0.5 | 3.1 | 0.8 | 3.6 | |
| Automobile dealers | 4411 | 1,330.1 | 2.3 | 0.5 | 3.2 | 0.9 | 3.7 | |
| Other motor vehicle dealers | 4412 | 161.6 | 3.1 | 0.4 | 4.2 | 1.0 | 4.6 | |
| Auto parts, accessories, and tire stores | 4413 | 574.6 | 1.0 | 1.4 | 1.8 | 0.8 | 3.2 | |
| Furniture and home furnishings stores | 442 | 515.0 | 4.0 | -1.1 | 3.9 | 0.0 | 2.8 | |
| Furniture stores | 4421 | 237.4 | 3.4 | -0.8 | 3.3 | -0.1 | 2.5 | |
| Home furnishings stores | 4422 | 277.6 | 4.7 | -1.6 | 4.7 | 0.0 | 3.1 | |
| Electronics and appliance stores | 443 | 520.3 | 10.7 | -7.2 | 11.2 | 0.5 | 3.2 | |
| Electronics and appliance stores | 4431 | 520.3 | 10.7 | -7.2 | 11.2 | 0.5 | 3.2 | |
| Building material and garden supply stores | 111 | 1,317.7 | 2.8 | -0.2 | 3.5 | 0.6 | 3.3 | |
| Building material and supplies dealers | | 1,145.7 | 2.6 | 0.0 | 3.5 | 0.8 | 3.4 | |
| Lawn and garden equipment and supplies stores | | 172.0 | 3.7 | -1.1 | 3.6 | 0.0 | 2.5 | |
| | | | | | | | | |
| Food and beverage stores | | 3,185.0 | 0.5 | 2.3 | 0.5 | 0.0 | 2.9 | |
| Grocery stores | 1 | 2,762.4 | 0.4 | 2.6 | 0.5 | 0.1 | 3.1 | |
| Specialty food stores | 1 | 248.8 | 0.5 | 1.8 | -0.1 | -0.6 | 1.8 | |
| Beer, wine and liquor stores | 4453 | 173.8 | 2.2 | 0.5 | 1.4 | -0.8 | 1.9 | |
| Health and personal care stores | 446 | 1,115.6 | 1.6 | 1.7 | 2.7 | 1.1 | 4.4 | |
| Health and personal care stores | 4461 | 1,115.6 | 1.6 | 1.7 | 2.7 | 1.1 | 4.4 | |
| Gasoline stations | 447 | 940.0 | 1.5 | 1.4 | 1.2 | -0.3 | 2.6 | |
| Gasoline stations | 1 | 940.0 | 1.5 | 1.4 | 1.2 | -0.3 | 2.6 | |
| Clothing and clothing accessories stores | | 1,482.7 | 4.0 | -1.1 | 3.7 | -0.3 | 2.6 | |
| Clothing stores | 4481 | 1,462.7 | 4.0 | -1.1 | 4.1 | -0.3 | 2.8 | |
| Shoe stores. | 1 | 217.3 | 2.9 | -1.3 -0.7 | 2.5 | -0.1 | 1.8 | |
| Jewelry, luggage, and leather goods stores | 1 | 168.2 | 3.3 | -0.7 | 2.6 | -0.4 | 2.5 | |
| | | | | | | | | |
| | 451 | 664.3 | 3.4 | -0.8 | 3.9 | 0.5 | 3.1 | |
| Sporting goods and musical instrument stores | 4511 | 573.5 | 4.0 | -1.3 | 4.7 | 0.7 | 3.4 | |
| Book stores and news dealers | 4512 | 90.8 | 1.2 | 1.0 | 0.4 | -0.8 | 1.4 | |

Table 2. Long run labor productivity, unit labor costs, and related data — Continued

| | 2012 | 2017 Employment (thousands) | Average annual percent change, 1987-2017 | | | | | |
|---|---------------|-----------------------------------|--|------------------|--------|-----------------|--------------------|--|
| Industry | NAICS code | | Labor productivity | Unit labor costs | Output | Hours worked | Labor compensation | |
| General merchandise stores | 452 | 3,149.1 | 2.9 | -0.8 | 4.3 | 1.3 | 3.5 | |
| Department stores | 4521 | 1,194.8 | 0.7 | 0.8 | 0.6 | 0.0 | 1.4 | |
| Other general merchandise stores | 4529 | 1,954.3 | 5.0 | -1.9 | 7.5 | 2.4 | 5.5 | |
| Miscellaneous store retailers | 453 | 976.4 | 3.3 | -0.9 | 3.1 | -0.2 | 2.2 | |
| Florists | 4531 | 75.6 | 3.1 | 0.0 | 0.1 | -2.9 | 0.1 | |
| Office supplies, stationery and gift stores | 4532 | 274.6 | 5.4 | -2.2 | 3.6 | -1.7 | 1.4 | |
| Used merchandise stores | 4533 | 226.7 | 4.8 | -2.4 | 6.3 | 1.4 | 3.8 | |
| Other miscellaneous store retailers | 4539 | 399.5 | 1.1 | 0.4 | 2.4 | 1.3 | 2.8 | |
| Nonstore retailers | 454 | 770.3 | 7.9 | -3.7 | 8.9 | 0.9 | 4.8 | |
| Electronic shopping and mail-order houses | 4541 | 468.7 | 9.7 | -4.7 | 14.1 | 4.0 | 8.7 | |
| Vending machine operators | 4542 | 46.6 | 0.2 | 3.1 | -2.1 | -2.3 | 0.9 | |
| Direct selling establishments | 4543 | 255.0 | 2.0 | 0.6 | 8.0 | -1.2 | 1.4 | |
| Food Services and Drinking Places | | | | | | | | |
| Food services and drinking places | 722 | 11,961.0 | 0.4 | 3.2 | 2.1 | 1.7 | 5.3 | |
| Special food services | 7223 | 844.4 | 1.0 | 1.8 | 2.2 | 1.2 | 4.0 | |
| Drinking places, alcoholic beverages | 7224 | 408.0 | -0.2 | 3.0 | 0.0 | 0.2 | 3.0 | |
| Restaurants and other eating places | 7225 | 10,708.6 | 0.4 | 3.3 | 2.2 | 1.9 | 5.7 | |