

TABLE 24

**Goods innovating companies, by industry: 2016–18**

(Number and percent)

| Industry   | NAICS code              | Companies<br>(number) | Goods innovation |           |         |      |
|--|-------------------------|-----------------------|------------------|-----------|---------|------|
|  |                         |                       | Number           |           | Percent |      |
|  |                         |                       | Yes              | No        | Yes     | No   |
| All industries   | 11, 21–23, 31–33, 42–81 | 4,805,151             | 357,206          | 4,447,946 | 7.4     | 92.6 |
| Manufacturing industries   | 31–33                   | 217,565               | 40,686           | 176,880   | 18.7    | 81.3 |
| Food   | 311                     | 18,250                | 3,685            | 14,566    | 20.2    | 79.8 |
| Beverage and tobacco products  | 312                     | 7,723                 | 2,093            | 5,629     | 27.1    | 72.9 |
| Textile, apparel, and leather products                               | 313–16                  | 10,554                | 1,729            | 8,824     | 16.4    | 83.6 |
| Wood products  | 321                     | 11,012                | 1,415            | 9,596     | 12.8    | 87.1 |
| Paper  | 322                     | 2,117                 | 399              | 1,719     | 18.8    | 81.2 |
| Printing and related support activities                              | 323                     | 20,851                | 2,998            | 17,854    | 14.4    | 85.6 |
| Petroleum and coal products  | 324                     | 583                   | 60               | 522       | 10.3    | 89.5 |
| Chemicals  | 325                     | 7,522                 | 1,845            | 5,676     | 24.5    | 75.5 |
| Pesticide, fertilizer, and other agricultural chemical manufacturing | 3253                    | 593                   | 131              | 464       | 22.1    | 78.2 |
| Pharmaceuticals and medicines  | 3254                    | 1,365                 | 423              | 943       | 31.0    | 69.1 |
| Soap, cleaning compound, and toilet preparation manufacturing        | 3256                    | 1,636                 | 442              | 1,193     | 27.0    | 72.9 |
| Other chemicals  | other 325               | 3,927                 | 850              | 3,078     | 21.6    | 78.4 |
| Plastics and rubber products   | 326                     | 8,087                 | 2,067            | 6,019     | 25.6    | 74.4 |
| Nonmetallic mineral products   | 327                     | 7,749                 | 1,109            | 6,639     | 14.3    | 85.7 |
| Primary metals   | 331                     | 2,537                 | 309              | 2,229     | 12.2    | 87.9 |
| Fabricated metal products  | 332                     | 48,472                | 5,754            | 42,719    | 11.9    | 88.1 |
| Machinery  | 333                     | 18,558                | 4,771            | 13,788    | 25.7    | 74.3 |
| Computer and electronic products                                     | 334                     | 9,036                 | 3,007            | 6,030     | 33.3    | 66.7 |
| Communications equipment   | 3342                    | 974                   | 408              | 565       | 41.9    | 58.0 |
| Semiconductor and other electronic components                        | 3344                    | 2,796                 | 729              | 2,069     | 26.1    | 74.0 |
| Navigational, measuring, electromedical, and control instruments     | 3345                    | 3,909                 | 1,461            | 2,449     | 37.4    | 62.7 |
| Other computer and electronic products                               | other 334               | 1,359                 | 411              | 947       | 30.2    | 69.7 |
| Electrical equipment, appliances, and components                     | 335                     | 4,000                 | 1,155            | 2,845     | 28.9    | 71.1 |
| Transportation equipment   | 336                     | 7,175                 | 1,460            | 5,716     | 20.3    | 79.7 |
| Automobiles, bodies, trailers, and parts                             | 3361–63                 | 4,565                 | 981              | 3,583     | 21.5    | 78.5 |
| Aerospace products and parts   | 3364                    | 985                   | 195              | 789       | 19.8    | 80.1 |
| Other transportation   | other 336               | 1,625                 | 282              | 1,342     | 17.4    | 82.6 |
| Furniture and related products                                       | 337                     | 12,647                | 1,981            | 10,666    | 15.7    | 84.3 |
| Miscellaneous  | 339                     | 20,669                | 4,842            | 15,828    | 23.4    | 76.6 |
| Medical equipment and supplies                                       | 3391                    | 8,060                 | 1,923            | 6,138     | 23.9    | 76.2 |
| Other miscellaneous manufacturing                                    | 3399                    | 12,608                | 2,918            | 9,689     | 23.1    | 76.8 |
| Nonmanufacturing industries  | 11, 21–23, 42–81        | 4,587,586             | 316,521          | 4,271,065 | 6.9     | 93.1 |
| Agriculture, forestry, fishing, and hunting                          | 11                      | 21,606                | 934              | 20,673    | 4.3     | 95.7 |
| Mining, extraction, and support activities                           | 21                      | 14,969                | 492              | 14,476    | 3.3     | 96.7 |
| Utilities  | 22                      | 2,684                 | 125              | 2,559     | 4.7     | 95.3 |
| Construction   | 23                      | 613,110               | 28,156           | 584,953   | 4.6     | 95.4 |
| Wholesale trade  | 42                      | 257,153               | 46,330           | 210,822   | 18.0    | 82.0 |
| Retail trade   | 44–45                   | 560,952               | 84,603           | 476,350   | 15.1    | 84.9 |
| Transportation and warehousing                                       | 48–49                   | 152,463               | 4,957            | 147,506   | 3.3     | 96.7 |
| Information  | 51                      | 61,638                | 7,302            | 54,337    | 11.8    | 88.2 |
| Publishing   | 511                     | 17,590                | 3,168            | 14,424    | 18.0    | 82.0 |
| Newspaper, periodical, book, and directory publishers                | 5111                    | 9,761                 | 991              | 8,769     | 10.2    | 89.8 |
| Software publishers  | 5112                    | 7,828                 | 2,176            | 5,653     | 27.8    | 72.2 |

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|   |            |                       | Number           |         | Percent |      |
|   |            |                       | Yes              | No      | Yes     | No   |
| Telecommunications  | 517        | 7,164                 | 1,036            | 6,129   | 14.5    | 85.6 |
| Data processing, hosting, and related services                              | 518        | 8,918                 | 1,041            | 7,879   | 11.7    | 88.3 |
| Other information   | other 51   | 27,965                | 2,061            | 25,905  | 7.4     | 92.6 |
| Finance and insurance   | 52         | 200,857               | 3,177            | 197,681 | 1.6     | 98.4 |
| Real estate and rental and leasing  | 53         | 255,783               | 5,399            | 250,384 | 2.1     | 97.9 |
| Lessors of nonfinancial intangible assets<br>(except copyrighted works)     | 533        | 1,812                 | D                | 1,754   | D       | 96.8 |
| Other real estate and rental and leasing                                    | other 53   | 253,970               | 5,341            | 248,629 | 2.1     | 97.9 |
| Professional, scientific, and technical services                            | 54         | 695,672               | 30,377           | 665,294 | 4.4     | 95.6 |
| Legal services  | 5411       | 152,243               | 437              | 151,808 | 0.3     | 99.7 |
| Accounting, tax preparation, bookkeeping, and payroll<br>services           | 5412       | 106,634               | 757              | 105,878 | 0.7     | 99.3 |
| Architectural, engineering, and related services                            | 5413       | 88,491                | 3,882            | 84,608  | 4.4     | 95.6 |
| Specialized design services   | 5414       | 26,282                | 1,879            | 24,405  | 7.1     | 92.9 |
| Computer systems design and related services                                | 5415       | 95,950                | 9,889            | 86,062  | 10.3    | 89.7 |
| Management, scientific, and technical consulting<br>services                | 5416       | 132,989               | 6,125            | 126,864 | 4.6     | 95.4 |
| Scientific research and development services                                | 5417       | 9,798                 | 1,695            | 8,104   | 17.3    | 82.7 |
| Advertising, public relations, and related services                         | 5418       | 27,677                | 1,395            | 26,281  | 5.0     | 95.0 |
| Other professional, scientific, and technical services                      | 5419       | 55,569                | 4,323            | 51,248  | 7.8     | 92.2 |
| Management of companies and enterprises                                     | 55         | 2,409                 | 163              | 2,247   | 6.8     | 93.3 |
| Administrative and support and waste management and<br>remediation services | 56         | 287,807               | 10,755           | 277,053 | 3.7     | 96.3 |
| Educational services  | 61         | 53,912                | 2,941            | 50,970  | 5.5     | 94.5 |
| Health care and social assistance   | 62         | 519,556               | 18,364           | 501,193 | 3.5     | 96.5 |
| Health care services  | 621–23     | 459,855               | 16,545           | 443,311 | 3.6     | 96.4 |
| Social assistance   | 624        | 59,700                | 1,818            | 57,881  | 3.0     | 97.0 |
| Arts, entertainment, and recreation   | 71         | 88,831                | 4,961            | 83,871  | 5.6     | 94.4 |
| Accommodation and food services   | 72         | 453,059               | 46,167           | 406,890 | 10.2    | 89.8 |
| Other services  | 81         | 345,125               | 21,322           | 323,802 | 6.2     | 93.8 |

D = withheld to avoid disclosing data for individual companies; data are included in higher-level totals.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Industry classification is based on dominant establishment payroll. Statistics are representative of companies located in the United States.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2019 Annual Business Survey: Data Year 2018.