

TABLE 29

**Goods and services innovating companies, by industry: 2017–19**

(Number and percent)

Industry	NAICS code	All companies	Goods innovation	Services innovation
All industries	11, 21–23, 31–33, 42–81	4,857,473	6.4	8.0
Manufacturing industries	31–33	217,058	14.1	7.8
Food	311	18,379	11.3	6.3
Beverage and tobacco products	312	8,381	16.7	8.0
Textile, apparel, and leather products	313–16	10,205	13.6	8.0
Wood products	321	10,340	8.0	5.0
Paper	322	1,795	12.9	4.0
Printing and related support activities	323	21,035	12.2	11.4
Petroleum and coal products	324	693	3.9	1.4
Chemicals	325	7,759	18.6	6.9
Pesticide, fertilizer, and other agricultural chemical	3253	555	11.7	5.8
Pharmaceuticals and medicines	3254	1,467	20.9	10.6
Soap, cleaning compound, and toilet preparation	3256	1,772	19.1	4.4
Other chemicals	other 325	3,966	18.5	6.7
Plastics and rubber products	326	7,811	15.1	7.1
Nonmetallic mineral products	327	7,758	10.3	5.7
Primary metals	331	2,437	11.7	6.1
Fabricated metal products	332	48,470	10.3	6.3
Machinery	333	18,350	20.6	9.8
Computer and electronic products	334	8,851	31.0	14.3
Communications equipment	3342	938	37.6	17.4
Semiconductor and other electronic components	3344	2,914	22.0	10.4
Navigational, measuring, electromedical, and control instruments	3345	3,649	36.5	15.9
Other computer and electronic products	other 334	1,349	30.8	16.2
Electrical equipment, appliances, and components	335	3,874	24.9	9.4
Transportation equipment	336	7,638	18.0	8.0
Automobiles, bodies, trailers, and parts	3361–63	4,728	17.1	7.3
Aerospace products and parts	3364	1,099	18.2	9.8
Other transportation	other 336	1,810	19.9	8.7
Furniture and related products	337	12,927	11.2	5.8
Miscellaneous	339	20,251	15.4	8.9
Medical equipment and supplies	3391	8,014	17.3	11.1
Other miscellaneous manufacturing	3399	12,237	14.1	7.4
Nonmanufacturing industries	11, 21–23, 42–81	4,640,414	6.0	8.0
Agriculture, forestry, fishing, and hunting	11	22,732	3.0	4.5
Mining, extraction, and support activities	21	15,475	2.1	2.6
Utilities	22	2,615	3.6	4.8
Construction	23	627,340	4.1	4.5
Wholesale trade	42	253,680	13.7	7.9
Retail trade	44–45	554,596	9.0	7.2
Transportation and warehousing	48–49	157,728	3.7	6.0
Information	51	62,834	14.4	19.2
Publishing	511	18,521	21.7	21.5
Newspaper, periodical, book, and directory publishers	5111	9,824	11.7	14.8
Software publishers	5112	8,698	33.0	29.1
Telecommunications	517	6,907	13.9	17.6
Data processing, hosting, and related services	518	8,155	15.2	26.6
Other information	other 51	29,253	9.6	15.9
Finance and insurance	52	203,913	2.7	9.8

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(Number and percent)

Industry	NAICS code	All companies	Goods innovation	Services innovation
Real estate and rental and leasing	53	266,098	3.1	5.9
Lessors of nonfinancial intangible assets (except copyrighted works)	533	2,106	13.2	12.8
Other real estate and rental and leasing	other 53	263,991	3.0	5.8
Professional, scientific, and technical services	54	704,191	5.3	11.3
Legal services	5411	151,977	1.0	4.1
Accounting, tax preparation, bookkeeping, and payroll services	5412	106,233	1.7	5.7
Architectural, engineering, and related services	5413	87,739	5.4	11.1
Specialized design services	5414	27,355	7.8	11.9
Computer systems design and related services	5415	97,862	12.9	20.1
Management, scientific, and technical consulting services	5416	137,973	4.7	15.2
Scientific research and development services	5417	10,517	19.1	14.4
Advertising, public relations, and related services	5418	27,194	6.4	13.4
Other professional, scientific, and technical services	5419	57,339	7.4	14.7
Management of companies and enterprises	55	2,391	7.0	1.8 r
Administrative and support and waste management and remediation services	56	285,195	4.4	7.7
Educational services	61	55,306	5.9	16.7
Health care and social assistance	62	526,683	5.6	9.6
Health care services	621–23	462,026	5.5	9.4
Social assistance	624	64,657	6.0	10.9
Arts, entertainment, and recreation	71	90,036	5.3	9.0
Accommodation and food services	72	464,061	6.5	5.9
Other services	81	345,543	6.4	8.6

r = relative standard error &gt; 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding. 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, 2020 Annual Business Survey: Data Year 2019.