

Table 48. Goods and services innovating companies, by industry: 2021–23

(Percent)

Industry	NAICS code	All companies (number)	Goods innovation	Services innovation
All industries	11, 21–23, 31–33, 42–81	5,033,879	7.0	8.5
Manufacturing industries	31–33	207,352	15.5	8.0
Food	311	18,929	18.2	9.2
Beverage and tobacco products	312	9,236	21.2	8.4
Textile, apparel, and leather products	313–16	9,223	11.7	7.2
Wood products	321	9,572	9.7	6.4
Paper	322	2,042	13.0	6.6 r
Printing and related support activities	323	18,767	10.7	8.5
Petroleum and coal products	324	222	14.0 r	4.5
Chemicals	325	7,878	26.7	11.0
Pesticide, fertilizer, and other agricultural chemicals	3253	499	14.4	8.8 r
Pharmaceuticals and medicines	3254	1,702	26.8	14.3
Soap, cleaning compound, and toilet preparation	3256	1,817	35.3	6.7
Other chemicals	other 325	3,860	24.1	11.9
Plastics and rubber products	326	6,787	21.1	7.8
Nonmetallic mineral products	327	7,659	11.5	5.8
Primary metals	331	1,933	8.3	3.6
Fabricated metal products	332	47,168	8.8	6.4
Machinery	333	17,417	20.2	7.7
Computer and electronic products	334	8,108	34.2	16.2
Communications equipment	3342	973	43.1	17.5
Semiconductor and other electronic components	3344	2,583	24.5	10.4
Navigational, measuring, electromedical, and control instruments	3345	3,674	39.2	19.2
Other computer and electronic products	other 334	878	32.2	19.4
Electrical equipment, appliances, and components	335	4,012	25.3	5.9
Transportation equipment	336	7,200	22.8	9.8
Automobiles, bodies, trailers, and parts	3361–63	4,517	21.3	9.2
Aerospace products and parts	3364	907	15.2	8.8
Other transportation	other 336	1,776	30.7	11.8
Furniture and related products	337	11,432	10.6	5.6
Miscellaneous	339	19,766	17.9	9.2
Medical equipment and supplies	3391	7,071	16.5	10.5
Other miscellaneous manufacturing	3399	12,695	18.7	8.6
Nonmanufacturing industries	11, 21–23, 42–81	4,826,527	6.6	8.6
Agriculture, forestry, fishing, and hunting	11	18,408	2.0	2.2
Mining, extraction, and support activities	21	14,212	2.9	4.2
Utilities	22	3,367	4.0	5.8
Construction	23	697,532	3.8	5.0
Wholesale trade	42	236,689	14.2	8.0
Retail trade	44–45	542,047	12.1	8.0
Transportation and warehousing	48–49	184,207	3.0	5.5
Information	51	67,109	13.7	20.3
Publishing	511	19,008	23.0	26.7
Newspaper, periodical, book, and directory publishers	5111	8,557	9.2	11.4
Software publishers	5112	10,451	34.3	39.2
Telecommunications	517	6,886	14.3	18.9
Data processing, hosting, and related services	518	8,312	20.1	28.0
Other information	other 51	32,903	6.6	14.9
Finance and insurance	52	195,489	3.3	7.0
Real estate and rental and leasing	53	282,087	2.1	4.6
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,783	6.3 r	8.2 r

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Industry	NAICS code	All companies (number)	Goods innovation	Services innovation
Other real estate and rental and leasing	other 53	280,304	2.1	4.5
Professional, scientific, and technical services	54	730,285	5.6	12.0
Legal services	5411	153,500	0.7	3.9
Accounting, tax preparation, bookkeeping, and payroll services	5412	108,031	1.6	5.9
Architectural, engineering, and related services	5413	88,454	5.9	11.8
Specialized design services	5414	28,137	8.4	13.4
Computer systems design and related services	5415	99,385	12.4	22.2
Management, scientific, and technical consulting services	5416	156,771	6.0	15.7
Scientific research and development services	5417	11,544	18.1	16.4
Advertising, public relations, and related services	5418	27,216	5.7	11.9
Other professional, scientific, and technical services	5419	57,246	9.2	15.6
Management of companies and enterprises	55	2,682	7.9	6.4
Administrative and support and waste management and remediation services	56	305,400	4.1	7.7
Educational services	61	61,684	7.3	17.8
Health care and social assistance	62	549,826	5.6	10.9
Health care services	621–23	482,098	5.6	10.9
Social assistance	624	67,728	5.1	11.1
Arts, entertainment, and recreation	71	97,837	7.1	12.2
Accommodation and food services	72	492,801	9.8	8.0
Other services	81	344,866	5.9	9.2

r = relative standard error > 50%.

NAICS = 2022 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, 2024 Annual Business Survey: Data Year 2023.