

TABLE 43

**Companies that reported product innovation, by industry and innovation R&D activity: 2017–19**

(Number and percent)

Industry	NAICS code	Companies (number)	Innovation R&D activity			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	530,124	165,871	364,253	31.3	68.7
Manufacturing industries	31–33	35,277	20,034	15,243	56.8	43.2
Food	311	2,419	1,325	1,094	54.8	45.2
Beverage and tobacco products	312	1,604	876	728	54.6	45.4
Textile, apparel, and leather products	313–16	1,619	889	730	54.9	45.1
Wood products	321	960	483	477	50.3	49.7
Paper	322	253	91	162	36.0	64.0
Printing and related support activities	323	3,354	946	2,408	28.2	71.8
Petroleum and coal products	324	27	26	1	96.3	3.7
Chemicals	325	1,566	1,125	441	71.8	28.2
Pesticide, fertilizer, and other agricultural chemical	3253	72	38	34	52.8	47.2
Pharmaceuticals and medicines	3254	357	275	82	77.0	23.0
Soap, cleaning compound, and toilet preparation	3256	363	242	121	66.7	33.3
Other chemicals	other 325	775	572	203	73.8	26.2
Plastics and rubber products	326	1,310	880	430	67.2	32.8
Nonmetallic mineral products	327	953	592	361	62.1	37.9
Primary metals	331	342	235	107	68.7	31.3
Fabricated metal products	332	6,111	3,226	2,885	52.8	47.2
Machinery	333	4,182	2,807	1,375	67.1	32.9
Computer and electronic products	334	2,928	2,300	628	78.6	21.4
Communications equipment	3342	394	312	82	79.2	20.8
Semiconductor and other electronic components	3344	724	512	212	70.7	29.3
Navigational, measuring, electromedical, and control instruments	3345	1,370	1,101	269	80.4	19.6
Other computer and electronic products	other 334	438	372	66	84.9	15.1
Electrical equipment, appliances, and components	335	1,041	716	325	68.8	31.2
Transportation equipment	336	1,510	918	592	60.8	39.2
Automobiles, bodies, trailers, and parts	3361–63	877	585	292	66.7	33.3
Aerospace products and parts	3364	214	163	51	76.2	23.8
Other transportation	other 336	418	171	247	40.9	59.1
Furniture and related products	337	1,555	643	912	41.4	58.6
Miscellaneous	339	3,536	1,952	1,584	55.2	44.8
Medical equipment and supplies	3391	1,537	929	608	60.4	39.6
Other miscellaneous manufacturing	3399	2,000	1,024	976	51.2	48.8
Nonmanufacturing industries	11, 21–23, 42–81	494,848	145,835	349,013	29.5	70.5
Agriculture, forestry, fishing, and hunting	11	1,314	326	988	24.8	75.2
Mining, extraction, and support activities	21	527	226	301	42.9	57.1
Utilities	22	186	52	134	28.0	72.0
Construction	23	40,173	9,434	30,739	23.5	76.5
Wholesale trade	42	40,944	14,000	26,944	34.2	65.8
Retail trade	44–45	64,657	16,903	47,754	26.1	73.9
Transportation and warehousing	48–49	11,860	2,241	9,619	18.9	81.1
Information	51	15,608	7,912	7,696	50.7	49.3
Publishing	511	5,746	3,595	2,151	62.6	37.4
Newspaper, periodical, book, and directory publishers	5111	1,953	682	1,271	34.9	65.1
Software publishers	5112	3,794	2,912	882	76.8	23.2
Telecommunications	517	1,517	424	1,093	27.9	72.1

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Data processing, hosting, and related services	518	2,547	1,583	964	62.2	37.8
Other information	other 51	5,796	2,312	3,484	39.9	60.1
Finance and insurance	52	21,490	5,645	15,845	26.3	73.7
Real estate and rental and leasing	53	18,708	3,823	14,885	20.4	79.6
Lessors of nonfinancial intangible assets (except copyrighted works)	533	322	139	r 183	43.2	56.8
Other real estate and rental and leasing	other 53	18,386	3,684	14,702	20.0	80.0
Professional, scientific, and technical services	54	93,425	40,873	52,552	43.7	56.3
Legal services	5411	6,920	2,267	4,653	32.8	67.2
Accounting, tax preparation, bookkeeping, and payroll services	5412	6,772	978	5,794	14.4	85.6
Architectural, engineering, and related services	5413	11,587	5,275	6,312	45.5	54.5
Specialized design services	5414	4,190	1,707	2,483	40.7	59.3
Computer systems design and related services	5415	24,132	14,381	9,751	59.6	40.4
Management, scientific, and technical consulting services	5416	22,828	9,519	13,309	41.7	58.3
Scientific research and development services	5417	2,615	2,348	267	89.8	10.2
Advertising, public relations, and related services	5418	4,219	1,683	2,536	39.9	60.1
Other professional, scientific, and technical services	5419	10,166	2,717	7,449	26.7	73.3
Management of companies and enterprises	55	170	83	r 87	r 48.8	r 51.2
Administrative and support and waste management and remediation services	56	26,537	5,906	20,631	22.3	77.7
Educational services	61	10,107	4,007	6,100	39.6	60.4
Health care and social assistance	62	59,925	14,435	45,490	24.1	75.9
Health care services	621–23	51,378	12,079	39,299	23.5	76.5
Social assistance	624	8,546	2,355	6,191	27.6	72.4
Arts, entertainment, and recreation	71	10,031	2,710	7,321	27.0	73.0
Accommodation and food services	72	41,222	8,876	32,346	21.5	78.5
Other services	81	37,962	8,383	29,579	22.1	77.9

r = relative standard error &gt; 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding. Innovation R&amp;D activity is based on unedited company responses to innovation questions, not R&amp;D expenditures. 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.