

TABLE 58

Companies that reported product or business process innovation, by industry and innovation R&D activity: 2016–18

(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	1,428,609	296,661	1,131,948	20.8	79.2
Manufacturing industries	31–33	77,332	32,967	44,365	42.6	57.4
Food	311	7,298	2,759	4,539	37.8	62.2
Beverage and tobacco products	312	3,547	1,799	1,748	50.7	49.3
Textile, apparel, and leather products	313–16	3,493	1,095	2,398	31.3	68.7
Wood products	321	2,795	819	1,976	29.3	70.7
Paper	322	794	236	558	29.7	70.3
Printing and related support activities	323	6,752	1,406	5,346	20.8	79.2
Petroleum and coal products	324	177	107	70	60.5	39.5
Chemicals	325	3,087	2,072	1,015	67.1	32.9
Pesticide, fertilizer, and other agricultural chemical manufacturing	3253	233	135	98	57.9	42.1
Pharmaceuticals and medicines	3254	712	463	249	65.0	35.0
Soap, cleaning compound, and toilet preparation manufacturing	3256	673	453	220	67.3	32.7
Other chemicals	other 325	1,470	1,023	447	69.6	30.4
Plastics and rubber products	326	3,420	1,638	1,782	47.9	52.1
Nonmetallic mineral products	327	2,328	667	1,661	28.7	71.3
Primary metals	331	871	291	580	33.4	66.6
Fabricated metal products	332	15,013	6,186	8,827	41.2	58.8
Machinery	333	7,256	4,404	2,852	60.7	39.3
Computer and electronic products	334	4,366	2,845	1,521	65.2	34.8
Communications equipment	3342	516	383	133	74.2	25.8
Semiconductor and other electronic components	3344	1,286	731	555	56.8	43.2
Navigational, measuring, electromedical, and control instruments	3345	1,952	1,389	563	71.2	28.8
Other computer and electronic products	other 334	612	342	270	55.9	44.1
Electrical equipment, appliances, and components	335	1,745	1,122	623	64.3	35.7
Transportation equipment	336	2,450	1,275	1,175	52.0	48.0
Automobiles, bodies, trailers, and parts	3361–63	1,531	764	767	49.9	50.1
Aerospace products and parts	3364	370	233	137	63.0	37.0
Other transportation	other 336	549	279	270	50.8	49.2
Furniture and related products	337	3,747	1,210	2,537	32.3	67.7
Miscellaneous	339	8,187	3,039	5,148	37.1	62.9
Medical equipment and supplies	3391	3,197	1,241	1,956	38.8	61.2
Other miscellaneous manufacturing	3399	4,991	1,799	3,192	36.0	64.0
Nonmanufacturing industries	11, 21–23, 42–81	1,351,279	263,693	1,087,586	19.5	80.5
Agriculture, forestry, fishing, and hunting	11	4,516	581	3,935	12.9	87.1
Mining, extraction, and support activities	21	2,470	282	2,188	11.4	88.6
Utilities	22	629	105	524	16.7	83.3
Construction	23	129,921	20,457	109,464	15.7	84.3
Wholesale trade	42	86,560	22,100	64,460	25.5	74.5
Retail trade	44–45	170,389	30,649	139,740	18.0	82.0
Transportation and warehousing	48–49	42,151	4,722	37,429	11.2	88.8
Information	51	24,362	10,255	14,107	42.1	57.9
Publishing	511	7,422	3,860	3,562	52.0	48.0
Newspaper, periodical, book, and directory publishers	5111	3,066	847	2,219	27.6	72.4
Software publishers	5112	4,355	3,010	1,345	69.1	30.9

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Telecommunications	517	2,615	748	1,867	28.6	71.4
Data processing, hosting, and related services	518	4,098	2,246	1,852	54.8	45.2
Other information	other 51	10,229	3,405	6,824	33.3	66.7
Finance and insurance	52	74,353	11,083	63,270	14.9	85.1
Real estate and rental and leasing	53	66,657	7,877	58,780	11.8	88.2
Lessors of nonfinancial intangible assets (except copyrighted works)	533	410	201	209	r 49.0	51.0
Other real estate and rental and leasing	other 53	66,245	7,676	58,569	11.6	88.4
Professional, scientific, and technical services	54	240,310	66,087	174,223	27.5	72.5
Legal services	5411	36,852	4,566	32,286	12.4	87.6
Accounting, tax preparation, bookkeeping, and payroll services	5412	32,911	3,060	29,851	9.3	90.7
Architectural, engineering, and related services	5413	29,705	9,505	20,200	32.0	68.0
Specialized design services	5414	8,545	2,631	5,914	30.8	69.2
Computer systems design and related services	5415	45,311	19,727	25,584	43.5	56.5
Management, scientific, and technical consulting services	5416	53,584	16,083	37,501	30.0	70.0
Scientific research and development services	5417	3,994	3,179	815	79.6	20.4
Advertising, public relations, and related services	5418	10,365	2,770	7,595	26.7	73.3
Other professional, scientific, and technical services	5419	19,044	4,568	14,476	24.0	76.0
Management of companies and enterprises	55	501	151	350	30.1	69.9
Administrative and support and waste management and remediation services	56	83,631	14,445	69,186	17.3	82.7
Educational services	61	22,242	6,421	15,821	28.9	71.1
Health care and social assistance	62	158,675	26,403	132,272	16.6	83.4
Health care services	621–23	137,145	22,189	114,956	16.2	83.8
Social assistance	624	21,529	4,214	17,315	19.6	80.4
Arts, entertainment, and recreation	71	26,345	5,361	20,984	20.3	79.7
Accommodation and food services	72	127,292	21,885	105,407	17.2	82.8
Other services	81	90,273	14,830	75,443	16.4	83.6

r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

Note(s):

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