

TABLE 50

Companies that reported product 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	919,293	202,799	716,495	22.1	77.9
Manufacturing industries	31–33	46,960	22,515	24,444	47.9	52.1
Food	311	4,123	1,687	2,436	40.9	59.1
Beverage and tobacco products	312	2,303	1,282	1,022	55.6	44.4
Textile, apparel, and leather products	313–16	2,210	774	1,435	35.0	65.0
Wood products	321	1,608	537	1,070	33.4	66.6
Paper	322	466	176	290	37.8	62.2
Printing and related support activities	323	4,190	970	3,219	23.2	76.8
Petroleum and coal products	324	77	47	31	59.7	40.3
Chemicals	325	2,010	1,444	564	71.9	28.1
Pesticide, fertilizer, and other agricultural chemical manufacturing	3253	141	106	35	75.2	24.8
Pharmaceuticals and medicines	3254	478	345	135	72.0	28.0
Soap, cleaning compound, and toilet preparation manufacturing	3256	458	319	140	69.4	30.6
Other chemicals	other 325	933	676	256	72.6	27.4
Plastics and rubber products	326	2,181	1,217	965	55.8	44.2
Nonmetallic mineral products	327	1,394	451	944	32.4	67.6
Primary metals	331	351	170	180	48.4	51.6
Fabricated metal products	332	7,348	3,121	4,226	42.5	57.5
Machinery	333	5,008	3,547	1,463	70.8	29.2
Computer and electronic products	334	3,310	2,274	1,035	68.7	31.3
Communications equipment	3342	421	330	90	78.6	21.4
Semiconductor and other electronic components	3344	816	526	291	64.3	35.7
Navigational, measuring, electromedical, and control instruments	3345	1,581	1,105	477	69.8	30.2
Other computer and electronic products	other 334	491	312	178	63.7	36.3
Electrical equipment, appliances, and components	335	1,195	832	362	69.7	30.3
Transportation equipment	336	1,609	906	704	56.2	43.8
Automobiles, bodies, trailers, and parts	3361–63	1,019	569	451	55.7	44.3
Aerospace products and parts	3364	252	163	89	64.7	35.3
Other transportation	other 336	337	174	164	51.3	48.7
Furniture and related products	337	2,120	853	1,268	40.2	59.8
Miscellaneous	339	5,451	2,230	3,221	40.9	59.1
Medical equipment and supplies	3391	2,145	862	1,284	40.2	59.8
Other miscellaneous manufacturing	3399	3,306	1,369	1,936	41.4	58.6
Nonmanufacturing industries	11, 21–23, 42–81	872,334	180,283	692,050	20.7	79.3
Agriculture, forestry, fishing, and hunting	11	2,620	409	2,209	15.6	84.4
Mining, extraction, and support activities	21	1,615	162	1,454	10.0	90.0
Utilities	22	389	53	335	13.6	86.4
Construction	23	73,745	11,133	62,611	15.1	84.9
Wholesale trade	42	55,446	15,930	39,517	28.7	71.3
Retail trade	44–45	103,248	19,508	83,742	18.9	81.1
Transportation and warehousing	48–49	21,184	2,530	18,653	11.9	88.1
Information	51	17,920	8,085	9,834	45.1	54.9
Publishing	511	5,681	3,189	2,491	56.2	43.8
Newspaper, periodical, book, and directory publishers	5111	2,236	656	1,578	29.4	70.6
Software publishers	5112	3,444	2,532	912	73.5	26.5

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Telecommunications	517	1,837	491	1,348	26.7	73.3
Data processing, hosting, and related services	518	3,133	1,844	1,288	58.9	41.1
Other information	other 51	7,270	2,562	4,709	35.2	64.8
Finance and insurance	52	55,631	7,681	47,949	13.8	86.2
Real estate and rental and leasing	53	43,762	4,471	39,291	10.2	89.8
Lessors of nonfinancial intangible assets (except copyrighted works)	533	353	200	153	r 56.7	43.3
Other real estate and rental and leasing	other 53	43,410	4,272	39,139	9.8	90.2
Professional, scientific, and technical services	54	172,128	50,221	121,907	29.2	70.8
Legal services	5411	24,608	2,754	21,855	11.2	88.8
Accounting, tax preparation, bookkeeping, and payroll services	5412	22,979	1,868	21,112	8.1	91.9
Architectural, engineering, and related services	5413	21,800	7,371	14,428	33.8	66.2
Specialized design services	5414	5,258	1,628	3,631	31.0	69.0
Computer systems design and related services	5415	34,804	15,991	18,814	45.9	54.1
Management, scientific, and technical consulting services	5416	40,186	12,738	27,449	31.7	68.3
Scientific research and development services	5417	2,915	2,302	614	78.9	21.1
Advertising, public relations, and related services	5418	7,376	2,096	5,279	28.4	71.6
Other professional, scientific, and technical services	5419	12,200	3,475	8,726	28.5	71.5
Management of companies and enterprises	55	316	99	r 219	31.0	r 69.0
Administrative and support and waste management and remediation services	56	53,159	9,562	43,598	18.0	82.0
Educational services	61	16,492	5,107	11,384	31.0	69.0
Health care and social assistance	62	106,618	17,553	89,066	16.5	83.5
Health care services	621–23	91,272	14,361	76,912	15.7	84.3
Social assistance	624	15,345	3,192	12,152	20.8	79.2
Arts, entertainment, and recreation	71	19,099	3,983	15,115	20.9	79.1
Accommodation and food services	72	71,355	14,319	57,037	20.1	79.9
Other services	81	57,605	9,474	48,132	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.