

TABLE 45

**Companies with product or business process innovation, by industry: 2016–18**

(Number and percent)

Industry	NAICS code	Companies (number)	Product or business process innovation			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,805,151	1,428,609	3,376,542	29.7	70.3
Manufacturing industries	31–33	217,565	77,332	140,233	35.5	64.5
Food	311	18,250	7,297	10,953	40.0	60.0
Beverage and tobacco products	312	7,723	3,547	4,176	45.9	54.1
Textile, apparel, and leather products	313–16	10,554	3,493	7,061	33.1	66.9
Wood products	321	11,012	2,795	8,217	25.4	74.6
Paper	322	2,117	794	1,323	37.5	62.5
Printing and related support activities	323	20,851	6,752	14,099	32.4	67.6
Petroleum and coal products	324	583	177	406	30.4	69.6
Chemicals	325	7,522	3,087	4,435	41.0	59.0
Pesticide, fertilizer, and other agricultural chemical manufacturing	3253	593	233	360	39.3	60.7
Pharmaceuticals and medicines	3254	1,365	711	654	52.1	47.9
Soap, cleaning compound, and toilet preparation manufacturing	3256	1,636	673	963	41.1	58.9
Other chemicals	other 325	3,927	1,470	2,457	37.4	62.6
Plastics and rubber products	326	8,087	3,420	4,667	42.3	57.7
Nonmetallic mineral products	327	7,749	2,328	5,421	30.0	70.0
Primary metals	331	2,537	871	1,666	34.3	65.7
Fabricated metal products	332	48,472	15,013	33,459	31.0	69.0
Machinery	333	18,558	7,256	11,302	39.1	60.9
Computer and electronic products	334	9,036	4,366	4,670	48.3	51.7
Communications equipment	3342	974	517	457	53.1	46.9
Semiconductor and other electronic components	3344	2,796	1,286	1,510	46.0	54.0
Navigational, measuring, electromedical, and control instruments	3345	3,909	1,952	1,957	49.9	50.1
Other computer and electronic products	other 334	1,359	613	746	45.1	54.9
Electrical equipment, appliances, and components	335	4,000	1,745	2,255	43.6	56.4
Transportation equipment	336	7,175	2,450	4,725	34.1	65.9
Automobiles, bodies, trailers, and parts	3361–63	4,565	1,531	3,034	33.5	66.5
Aerospace products and parts	3364	985	370	615	37.6	62.4
Other transportation	other 336	1,625	550	1,075	33.8	66.2
Furniture and related products	337	12,647	3,747	8,900	29.6	70.4
Miscellaneous	339	20,669	8,187	12,482	39.6	60.4
Medical equipment and supplies	3391	8,060	3,197	4,863	39.7	60.3
Other miscellaneous manufacturing	3399	12,608	4,991	7,617	39.6	60.4
Nonmanufacturing industries	11, 21–23, 42–81	4,587,586	1,351,279	3,236,307	29.5	70.5
Agriculture, forestry, fishing, and hunting	11	21,606	4,516	17,090	20.9	79.1
Mining, extraction, and support activities	21	14,969	2,470	12,499	16.5	83.5
Utilities	22	2,684	629	2,055	23.4	76.6
Construction	23	613,110	129,921	483,189	21.2	78.8
Wholesale trade	42	257,153	86,559	170,594	33.7	66.3
Retail trade	44–45	560,952	170,389	390,563	30.4	69.6
Transportation and warehousing	48–49	152,463	42,151	110,312	27.6	72.4
Information	51	61,638	24,362	37,276	39.5	60.5
Publishing	511	17,590	7,422	10,168	42.2	57.8
Newspaper, periodical, book, and directory publishers	5111	9,761	3,066	6,695	31.4	68.6
Software publishers	5112	7,828	4,356	3,472	55.6	44.4

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Telecommunications	517	7,164	2,615	4,549	36.5	63.5
Data processing, hosting, and related services	518	8,918	4,098	4,820	46.0	54.0
Other information	other 51	27,965	10,229	17,736	36.6	63.4
Finance and insurance	52	200,857	74,353	126,504	37.0	63.0
Real estate and rental and leasing	53	255,783	66,657	189,126	26.1	73.9
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,812	410	1,402	22.6	77.4
Other real estate and rental and leasing	other 53	253,970	66,246	187,724	26.1	73.9
Professional, scientific, and technical services	54	695,672	240,310	455,362	34.5	65.5
Legal services	5411	152,243	36,852	115,391	24.2	75.8
Accounting, tax preparation, bookkeeping, and payroll services	5412	106,634	32,911	73,723	30.9	69.1
Architectural, engineering, and related services	5413	88,491	29,705	58,786	33.6	66.4
Specialized design services	5414	26,282	8,544	17,738	32.5	67.5
Computer systems design and related services	5415	95,950	45,311	50,639	47.2	52.8
Management, scientific, and technical consulting services	5416	132,989	53,584	79,405	40.3	59.7
Scientific research and development services	5417	9,798	3,994	5,804	40.8	59.2
Advertising, public relations, and related services	5418	27,677	10,365	17,312	37.4	62.6
Other professional, scientific, and technical services	5419	55,569	19,043	36,526	34.3	65.7
Management of companies and enterprises	55	2,409	501	1,908	20.8	79.2
Administrative and support and waste management and remediation services	56	287,807	83,631	204,176	29.1	70.9
Educational services	61	53,912	22,242	31,670	41.3	58.7
Health care and social assistance	62	519,556	158,676	360,880	30.5	69.5
Health care services	621–23	459,855	137,146	322,709	29.8	70.2
Social assistance	624	59,700	21,529	38,171	36.1	63.9
Arts, entertainment, and recreation	71	88,831	26,345	62,486	29.7	70.3
Accommodation and food services	72	453,059	127,292	325,767	28.1	71.9
Other services	81	345,125	90,273	254,852	26.2	73.8

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding. 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.