

TABLE 35

Product or process innovation in companies, by industry: 2015–17

(Number and percent)

Industry	NAICS code	Companies (number)	Product or process innovation			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,603,606	1,218,460	3,385,146	26.5	73.5
Manufacturing industries	31–33	220,930	99,847	121,082	45.2	54.8
Food	311	18,180	8,303	9,877	45.7	54.3
Beverage and tobacco products	312	6,724	4,037	2,687	60.0	40.0
Textile, apparel, and leather products	313–16	10,569	4,237	6,332	40.1	59.9
Wood products	321	10,850	3,903	6,947	36.0	64.0
Paper	322	2,276	1,063	1,213	46.7	53.3
Printing and related support activities	323	21,903	8,673	13,230	39.6	60.4
Petroleum and coal products	324	624	254	370	40.7	59.3
Chemicals	325	7,910	4,361	3,549	55.1	44.9
Pesticide, fertilizer, and other agricultural chemicals	3253	542	267	275	49.3	50.7
Pharmaceuticals and medicines	3254	1,412	800	612	56.6	43.4
Soap, cleaning compound, and toilet preparation	3256	1,615	936	678	58.0	42.0
Other chemicals	other 325	4,341	2,358	1,983	54.3	45.7
Plastics and rubber products	326	8,412	4,141	4,271	49.2	50.8
Nonmetallic mineral products	327	8,021	2,984	5,037	37.2	62.8
Primary metals	331	2,679	1,177	1,502	43.9	56.1
Fabricated metal products	332	47,340	19,460	27,880	41.1	58.9
Machinery	333	18,792	9,521	9,272	50.7	49.3
Computer and electronic products	334	9,566	5,849	3,717	61.1	38.9
Communications equipment	3342	916	605	310	66.1	33.9
Semiconductor and other electronic components	3344	3,214	1,779	1,436	55.3	44.7
Navigational, measuring, electromedical, and control instruments	3345	3,958	2,528	1,430	63.9	36.1
Other computer and electronic products	other 334	1,478	937	541	63.4	36.6
Electrical equipment, appliances, and components	335	4,223	2,280	1,944	54.0	46.0
Transportation equipment	336	8,039	4,112	3,927	51.2	48.8
Automobiles, bodies, trailers, and parts	3361–63	5,018	2,617	2,401	52.2	47.8
Aerospace products and parts	3364	1,109	593	515	53.5	46.5
Other transportation	other 336	1,912	901	1,011	47.1	52.9
Furniture and related products	337	12,430	5,021	7,409	40.4	59.6
Miscellaneous	339	22,315	10,456	11,860	46.9	53.1
Medical equipment and supplies	3391	8,202	3,712	4,490	45.3	54.7
Other miscellaneous manufacturing	3399	14,113	6,743	7,370	47.8	52.2
Nonmanufacturing industries	11, 21–23, 42–81	4,382,677	1,118,613	3,264,064	25.5	74.5
Agriculture, forestry, fishing, and hunting	11	21,054	3,816	17,238	18.1	81.9
Mining, extraction, and support activities	21	15,546	2,375	13,170	15.3	84.7
Utilities	22	2,534	582	1,952	23.0	77.0
Construction	23	607,403	112,877	494,526	18.6	81.4
Wholesale trade	42	252,134	91,960	160,174	36.5	63.5
Retail trade	44–45	545,440	152,920	392,520	28.0	72.0
Transportation and warehousing	48–49	144,404	43,007	101,397	29.8	70.2
Information	51	56,053	24,979	31,073	44.6	55.4
Publishing	511	17,031	8,522	8,510	50.0	50.0
Newspaper, periodical, book, and directory publishers	5111	9,593	3,653	5,940	38.1	61.9
Software publishers	5112	7,438	4,868	2,570	65.5	34.5
Telecommunications	517	6,045	2,555	3,490	42.3	57.7
Data processing, hosting, and related services	518	8,414	4,716	3,698	56.0	44.0
Other information	other 51	24,563	9,187	15,376	37.4	62.6

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Finance and insurance	52	192,345	54,344	138,001	28.3	71.7
Real estate and rental and leasing	53	229,923	40,451	189,472	17.6	82.4
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,701	466	1,235	27.4	72.6
Other real estate and rental and leasing	other 53	228,222	39,985	188,238	17.5	82.5
Professional, scientific, and technical services	54	639,985	198,235	441,750	31.0	69.0
Legal services	5411	146,441	24,968	121,474	17.0	83.0
Accounting, tax preparation, bookkeeping, and payroll services	5412	99,782	24,284	75,497	24.3	75.7
Architectural, engineering, and related services	5413	83,492	26,410	57,081	31.6	68.4
Specialized design services	5414	25,140	8,363	16,777	33.3	66.7
Computer systems design and related services	5415	90,056	44,351	45,704	49.2	50.8
Management, scientific, and technical consulting services	5416	109,247	40,458	68,789	37.0	63.0
Scientific research and development services	5417	9,293	3,929	5,364	42.3	57.7
Advertising, public relations, and related services	5418	25,626	8,627	16,999	33.7	66.3
Other professional, scientific, and technical services	5419	50,907	16,843	34,064	33.1	66.9
Management of companies and enterprises	55	2,276	324	1,952	14.2	85.8
Administrative and support and waste management and remediation services	56	266,751	66,303	200,448	24.9	75.1
Educational services	61	51,288	20,079	31,208	39.2	60.8
Health care and social assistance	62	509,529	125,904	383,625	24.7	75.3
Health care services	621–23	447,069	111,310	335,759	24.9	75.1
Social assistance	624	62,461	14,595	47,866	23.4	76.6
Arts, entertainment, and recreation	71	74,256	20,632	53,624	27.8	72.2
Accommodation and food services	72	441,426	86,227	355,199	19.5	80.5
Other services	81	330,331	73,598	256,733	22.3	77.7

NAICS = 2017 North American Industry Classification System.

Note(s):

Detail may not add to total because of rounding. Industry classification is based on the dominant establishment payroll. Statistics are representative of companies located in the United States.

Source(s):

National Center for Science and Engineering Statistics and U.S. Census Bureau, Annual Business Survey, 2017.