

TABLE 43

Companies with new or improved business processes: Product and business process development activities, by industry: 2016–18

(Number and percent)

Industry	NAICS code	Companies (number)	Innovating product and business process development activities			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,805,151	339,941	4,465,210	7.1	92.9
Manufacturing industries	31–33	217,565	27,908	189,657	12.8	87.2
Food	311	18,250	2,345	15,905	12.8	87.2
Beverage and tobacco products	312	7,723	1,188	6,535	15.4	84.6
Textile, apparel, and leather products	313–16	10,554	1,057	9,497	10.0	90.0
Wood products	321	11,012	848	10,164	7.7	92.3
Paper	322	2,117	162	1,955	7.7	92.3
Printing and related support activities	323	20,851	1,743	19,108	8.4	91.6
Petroleum and coal products	324	583	88	495	15.1	84.9
Chemicals	325	7,522	1,419	6,103	18.9	81.1
Pesticide, fertilizer, and other agricultural chemical manufacturing	3253	593	59	534	9.9	90.1
Pharmaceuticals and medicines	3254	1,365	288	1,077	21.1	78.9
Soap, cleaning compound, and toilet preparation manufacturing	3256	1,636	323	1,313	19.7	80.3
Other chemicals	other 325	3,927	750	3,177	19.1	80.9
Plastics and rubber products	326	8,087	1,435	6,652	17.7	82.3
Nonmetallic mineral products	327	7,749	665	7,084	8.6	91.4
Primary metals	331	2,537	324	2,213	12.8	87.2
Fabricated metal products	332	48,472	5,887	42,585	12.1	87.9
Machinery	333	18,558	3,308	15,250	17.8	82.2
Computer and electronic products	334	9,036	1,677	7,359	18.6	81.4
Communications equipment	3342	974	210	764	21.6	78.4
Semiconductor and other electronic components	3344	2,796	590	2,206	21.1	78.9
Navigational, measuring, electromedical, and control instruments	3345	3,909	686	3,223	17.5	82.5
Other computer and electronic products	other 334	1,359	193	1,166	14.2	85.8
Electrical equipment, appliances, and components	335	4,000	760	3,240	19.0	81.0
Transportation equipment	336	7,175	905	6,270	12.6	87.4
Automobiles, bodies, trailers, and parts	3361–63	4,565	506	4,059	11.1	88.9
Aerospace products and parts	3364	985	188	797	19.1	80.9
Other transportation	other 336	1,625	210	1,415	12.9	87.1
Furniture and related products	337	12,647	1,192	11,455	9.4	90.6
Miscellaneous	339	20,669	2,900	17,769	14.0	86.0
Medical equipment and supplies	3391	8,060	1,346	6,714	16.7	83.3
Other miscellaneous manufacturing	3399	12,608	1,553	11,055	12.3	87.7
Nonmanufacturing industries	11, 21–23, 42–81	4,587,586	312,034	4,275,552	6.8	93.2
Agriculture, forestry, fishing, and hunting	11	21,606	940	20,666	4.4	95.6
Mining, extraction, and support activities	21	14,969	346	14,623	2.3	97.7
Utilities	22	2,684	152	2,532	5.7	94.3
Construction	23	613,110	30,715	582,395	5.0	95.0
Wholesale trade	42	257,153	26,210	230,943	10.2	89.8
Retail trade	44–45	560,952	37,918	523,034	6.8	93.2
Transportation and warehousing	48–49	152,463	7,197	145,266	4.7	95.3
Information	51	61,638	7,680	53,958	12.5	87.5
Publishing	511	17,590	2,489	15,101	14.2	85.8
Newspaper, periodical, book, and directory publishers	5111	9,761	734	9,027	7.5	92.5

TABLE 43

Companies with new or improved business processes: Product and business process development activities, by industry: 2016–18

(Number and percent)

Industry	NAICS code	Companies (number)	Innovating product and business process development activities			
			Number		Percent	
			Yes	No	Yes	No
Software publishers	5112	7,828	1,755	6,073	22.4	77.6
Telecommunications	517	7,164	762	6,402	10.6	89.4
Data processing, hosting, and related services	518	8,918	1,403	7,515	15.7	84.3
Other information	other 51	27,965	3,025	24,940	10.8	89.2
Finance and insurance	52	200,857	16,178	184,679	8.1	91.9
Real estate and rental and leasing	53	255,783	11,435	244,348	4.5	95.5
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,812	142 r	1,670	7.8 r	92.2
Other real estate and rental and leasing	other 53	253,970	11,293	242,677	4.4	95.6
Professional, scientific, and technical services	54	695,672	61,718	633,954	8.9	91.1
Legal services	5411	152,243	5,195	147,048	3.4	96.6
Accounting, tax preparation, bookkeeping, and payroll services	5412	106,634	5,180	101,454	4.9	95.1
Architectural, engineering, and related services	5413	88,491	7,871	80,620	8.9	91.1
Specialized design services	5414	26,282	2,235	24,047	8.5	91.5
Computer systems design and related services	5415	95,950	16,166	79,784	16.8	83.2
Management, scientific, and technical consulting services	5416	132,989	16,905	116,084	12.7	87.3
Scientific research and development services	5417	9,798	1,575	8,223	16.1	83.9
Advertising, public relations, and related services	5418	27,677	2,612	25,065	9.4	90.6
Other professional, scientific, and technical services	5419	55,569	3,979	51,590	7.2	92.8
Management of companies and enterprises	55	2,409	123	2,286	5.1	94.9
Administrative and support and waste management and remediation services	56	287,807	18,042	269,765	6.3	93.7
Educational services	61	53,912	5,905	48,007	11.0	89.0
Health care and social assistance	62	519,556	32,782	486,774	6.3	93.7
Health care services	621–23	459,855	27,546	432,309	6.0	94.0
Social assistance	624	59,700	5,235	54,465	8.8	91.2
Arts, entertainment, and recreation	71	88,831	4,937	83,894	5.6	94.4
Accommodation and food services	72	453,059	29,540	423,519	6.5	93.5
Other services	81	345,125	20,216	324,909	5.9	94.1

r = relative standard error > 50%.

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.