

TABLE 28

Business process innovating companies, by industry: 2016–18

(Number and percent)

Industry	NAICS code	Companies (number)	Business process innovation			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,805,151	929,754	3,875,397	19.3	80.7
Manufacturing industries	31–33	217,565	57,775	159,790	26.6	73.4
Food	311	18,250	5,396	12,854	29.6	70.4
Beverage and tobacco products	312	7,723	2,624	5,099	34.0	66.0
Textile, apparel, and leather products	313–16	10,554	2,451	8,103	23.2	76.8
Wood products	321	11,012	2,102	8,910	19.1	80.9
Paper	322	2,117	631	1,486	29.8	70.2
Printing and related support activities	323	20,851	4,814	16,037	23.1	76.9
Petroleum and coal products	324	583	163	420	28.0	72.0
Chemicals	325	7,522	2,459	5,063	32.7	67.3
Pesticide, fertilizer, and other agricultural chemical manufacturing	3253	593	200	393	33.7	66.3
Pharmaceuticals and medicines	3254	1,365	536	829	39.3	60.7
Soap, cleaning compound, and toilet preparation manufacturing	3256	1,636	531	1,105	32.5	67.5
Other chemicals	other 325	3,927	1,193	2,734	30.4	69.6
Plastics and rubber products	326	8,087	2,554	5,533	31.6	68.4
Nonmetallic mineral products	327	7,749	1,634	6,115	21.1	78.9
Primary metals	331	2,537	699	1,838	27.6	72.4
Fabricated metal products	332	48,472	11,797	36,675	24.3	75.7
Machinery	333	18,558	5,821	12,737	31.4	68.6
Computer and electronic products	334	9,036	2,902	6,134	32.1	67.9
Communications equipment	3342	974	370	604	38.0	62.0
Semiconductor and other electronic components	3344	2,796	990	1,806	35.4	64.6
Navigational, measuring, electromedical, and control instruments	3345	3,909	1,177	2,732	30.1	69.9
Other computer and electronic products	other 334	1,359	367	992	27.0	73.0
Electrical equipment, appliances, and components	335	4,000	1,222	2,778	30.6	69.5
Transportation equipment	336	7,175	1,793	5,382	25.0	75.0
Automobiles, bodies, trailers, and parts	3361–63	4,565	1,107	3,458	24.2	75.8
Aerospace products and parts	3364	985	264	721	26.8	73.2
Other transportation	other 336	1,625	424	1,201	26.1	73.9
Furniture and related products	337	12,647	2,867	9,780	22.7	77.3
Miscellaneous	339	20,669	5,835	14,834	28.2	71.8
Medical equipment and supplies	3391	8,060	2,449	5,611	30.4	69.6
Other miscellaneous manufacturing	3399	12,608	3,387	9,221	26.9	73.1
Nonmanufacturing industries	11, 21–23, 42–81	4,587,586	871,980	3,715,606	19.0	81.0
Agriculture, forestry, fishing, and hunting	11	21,606	2,812	18,794	13.0	87.0
Mining, extraction, and support activities	21	14,969	1,323	13,646	8.8	91.2
Utilities	22	2,684	437	2,247	16.3	83.7
Construction	23	613,110	84,810	528,300	13.8	86.2
Wholesale trade	42	257,153	61,477	195,676	23.9	76.1
Retail trade	44–45	560,952	115,299	445,653	20.6	79.4
Transportation and warehousing	48–49	152,463	32,288	120,175	21.2	78.8
Information	51	61,638	17,517	44,121	28.4	71.6
Publishing	511	17,590	5,632	11,958	32.0	68.0
Newspaper, periodical, book, and directory publishers	5111	9,761	2,154	7,607	22.1	77.9
Software publishers	5112	7,828	3,477	4,351	44.4	55.6

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Telecommunications	517	7,164	1,984	5,180	27.7	72.3
Data processing, hosting, and related services	518	8,918	3,256	5,662	36.5	63.5
Other information	other 51	27,965	6,646	21,319	23.8	76.2
Finance and insurance	52	200,857	39,923	160,934	19.9	80.1
Real estate and rental and leasing	53	255,783	38,262	217,521	15.0	85.0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,812	257	1,555	14.2	85.8
Other real estate and rental and leasing	other 53	253,970	38,004	215,966	15.0	85.0
Professional, scientific, and technical services	54	695,672	150,463	545,209	21.6	78.4
Legal services	5411	152,243	18,535	133,708	12.2	87.8
Accounting, tax preparation, bookkeeping, and payroll services	5412	106,634	17,647	88,987	16.5	83.5
Architectural, engineering, and related services	5413	88,491	17,819	70,672	20.1	79.9
Specialized design services	5414	26,282	5,774	20,508	22.0	78.0
Computer systems design and related services	5415	95,950	33,191	62,759	34.6	65.4
Management, scientific, and technical consulting services	5416	132,989	34,721	98,268	26.1	73.9
Scientific research and development services	5417	9,798	2,974	6,824	30.4	69.6
Advertising, public relations, and related services	5418	27,677	7,126	20,551	25.7	74.3
Other professional, scientific, and technical services	5419	55,569	12,678	42,891	22.8	77.2
Management of companies and enterprises	55	2,409	414	1,995	17.2	82.8
Administrative and support and waste management and remediation services	56	287,807	53,717	234,090	18.7	81.3
Educational services	61	53,912	14,568	39,344	27.0	73.0
Health care and social assistance	62	519,556	96,291	423,265	18.5	81.5
Health care services	621–23	459,855	83,166	376,689	18.1	81.9
Social assistance	624	59,700	13,124	46,576	22.0	78.0
Arts, entertainment, and recreation	71	88,831	14,559	74,272	16.4	83.6
Accommodation and food services	72	453,059	91,077	361,982	20.1	79.9
Other services	81	345,125	56,736	288,389	16.4	83.6

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.