

TABLE 31

**Business process innovating companies, by industry: 2017–19**

(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	4,857,473	1,053,189	3,804,284	21.7	78.3
Manufacturing industries	31–33	217,058	63,505	153,553	29.3	70.7
Food	311	18,379	5,461	12,918	29.7	70.3
Beverage and tobacco products	312	8,381	3,042	5,339	36.3	63.7
Textile, apparel, and leather products	313–16	10,205	2,896	7,309	28.4	71.6
Wood products	321	10,340	2,323	8,017	22.5	77.5
Paper	322	1,795	452	1,343	25.2	74.8
Printing and related support activities	323	21,035	5,534	15,501	26.3	73.7
Petroleum and coal products	324	693	61	632	8.8	91.2
Chemicals	325	7,759	2,702	5,057	34.8	65.2
Pesticide, fertilizer, and other agricultural chemical	3253	555	181	374	32.6	67.4
Pharmaceuticals and medicines	3254	1,467	565	902	38.5	61.5
Soap, cleaning compound, and toilet preparation	3256	1,772	664	1,108	37.5	62.5
Other chemicals	other 325	3,966	1,290	2,676	32.5	67.5
Plastics and rubber products	326	7,811	2,504	5,307	32.1	67.9
Nonmetallic mineral products	327	7,758	2,087	5,671	26.9	73.1
Primary metals	331	2,437	724	1,713	29.7	70.3
Fabricated metal products	332	48,470	13,325	35,145	27.5	72.5
Machinery	333	18,350	6,506	11,844	35.5	64.5
Computer and electronic products	334	8,851	3,695	5,156	41.7	58.3
Communications equipment	3342	938	429	509	45.7	54.3
Semiconductor and other electronic components	3344	2,914	1,181	1,733	40.5	59.5
Navigational, measuring, electromedical, and control instruments	3345	3,649	1,494	2,155	40.9	59.1
Other computer and electronic products	other 334	1,349	589	760	43.7	56.3
Electrical equipment, appliances, and components	335	3,874	1,377	2,497	35.5	64.5
Transportation equipment	336	7,638	2,223	5,415	29.1	70.9
Automobiles, bodies, trailers, and parts	3361–63	4,728	1,286	3,442	27.2	72.8
Aerospace products and parts	3364	1,099	411	688	37.4	62.6
Other transportation	other 336	1,810	526	1,284	29.1	70.9
Furniture and related products	337	12,927	3,001	9,926	23.2	76.8
Miscellaneous	339	20,251	5,566	14,685	27.5	72.5
Medical equipment and supplies	3391	8,014	2,185	5,829	27.3	72.7
Other miscellaneous manufacturing	3399	12,237	3,381	8,856	27.6	72.4
Nonmanufacturing industries	11, 21–23, 42–81	4,640,414	989,685	3,650,729	21.3	78.7
Agriculture, forestry, fishing, and hunting	11	22,732	3,387	19,345	14.9	85.1
Mining, extraction, and support activities	21	15,475	1,809	13,666	11.7	88.3
Utilities	22	2,615	491	2,124	18.8	81.2
Construction	23	627,340	96,358	530,982	15.4	84.6
Wholesale trade	42	253,680	72,797	180,883	28.7	71.3
Retail trade	44–45	554,596	126,129	428,467	22.7	77.3
Transportation and warehousing	48–49	157,728	39,006	118,722	24.7	75.3
Information	51	62,834	19,978	42,856	31.8	68.2
Publishing	511	18,521	7,242	11,279	39.1	60.9
Newspaper, periodical, book, and directory publishers	5111	9,824	2,974	6,850	30.3	69.7
Software publishers	5112	8,698	4,267	4,431	49.1	50.9
Telecommunications	517	6,907	1,881	5,026	27.2	72.8

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Data processing, hosting, and related services	518	8,155	3,500	4,655	42.9	57.1
Other information	other 51	29,253	7,356	21,897	25.1	74.9
Finance and insurance	52	203,913	45,335	158,578	22.2	77.8
Real estate and rental and leasing	53	266,098	47,687	218,411	17.9	82.1
Lessors of nonfinancial intangible assets (except copyrighted works)	533	2,106	533	1,573	25.3	74.7
Other real estate and rental and leasing	other 53	263,991	47,155	216,836	17.9	82.1
Professional, scientific, and technical services	54	704,191	180,469	523,722	25.6	74.4
Legal services	5411	151,977	23,761	128,216	15.6	84.4
Accounting, tax preparation, bookkeeping, and payroll services	5412	106,233	20,091	86,142	18.9	81.1
Architectural, engineering, and related services	5413	87,739	23,298	64,441	26.6	73.4
Specialized design services	5414	27,355	7,625	19,730	27.9	72.1
Computer systems design and related services	5415	97,862	38,592	59,270	39.4	60.6
Management, scientific, and technical consulting services	5416	137,973	41,725	96,248	30.2	69.8
Scientific research and development services	5417	10,517	3,869	6,648	36.8	63.2
Advertising, public relations, and related services	5418	27,194	7,648	19,546	28.1	71.9
Other professional, scientific, and technical services	5419	57,339	13,861	43,478	24.2	75.8
Management of companies and enterprises	55	2,391	420	1,971	17.6	82.4
Administrative and support and waste management and remediation services	56	285,195	53,843	231,352	18.9	81.1
Educational services	61	55,306	14,858	40,448	26.9	73.1
Health care and social assistance	62	526,683	108,980	417,703	20.7	79.3
Health care services	621–23	462,026	95,363	366,663	20.6	79.4
Social assistance	624	64,657	13,616	51,041	21.1	78.9
Arts, entertainment, and recreation	71	90,036	16,516	73,520	18.3	81.7
Accommodation and food services	72	464,061	99,443	364,618	21.4	78.6
Other services	81	345,543	62,179	283,364	18.0	82.0

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, 2020 Annual Business Survey: Data Year 2019.