

TABLE 23

Business process innovating companies, by industry: 2019–21

(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	4,874,928	1,207,543	3,667,385	24.8	75.2
Manufacturing industries	31–33	209,282	60,971	148,311	29.1	70.9
Food	311	19,326	6,045	13,281	31.3	68.7
Beverage and tobacco products	312	9,354	3,597	5,757	38.5	61.5
Textile, apparel, and leather products	313–16	9,443	2,303	7,140	24.4	75.6
Wood products	321	9,546	2,223	7,323	23.3	76.7
Paper	322	1,500	540	960	36.0	64.0
Printing and related support activities	323	20,212	5,177	15,035	25.6	74.4
Petroleum and coal products	324	546	83	463	15.2	84.8
Chemicals	325	7,961	2,920	5,041	36.7	63.3
Pesticide, fertilizer, and other agricultural chemicals	3253	580	141	439	24.3	75.7
Pharmaceuticals and medicines	3254	1,536	584	952	38.0	62.0
Soap, cleaning compound, and toilet preparation	3256	1,652	611	1,041	37.0	63.0
Other chemicals	other 325	4,194	1,583	2,611	37.7	62.3
Plastics and rubber products	326	7,060	2,327	4,733	33.0	67.0
Nonmetallic mineral products	327	7,290	1,790	5,500	24.6	75.4
Primary metals	331	2,079	679	1,400	32.7	67.3
Fabricated metal products	332	46,128	12,154	33,974	26.3	73.7
Machinery	333	16,440	5,515	10,925	33.5	66.5
Computer and electronic products	334	8,527	3,414	5,113	40.0	60.0
Communications equipment	3342	850	453	397	53.3	46.7
Semiconductor and other electronic components	3344	2,711	993	1,718	36.6	63.4
Navigational, measuring, electromedical, and control instruments	3345	3,737	1,478	2,259	39.6	60.4
Other computer and electronic products	other 334	1,230	491	739	39.9	60.1
Electrical equipment, appliances, and components	335	3,925	1,591	2,334	40.5	59.5
Transportation equipment	336	7,325	2,221	5,104	30.3	69.7
Automobiles, bodies, trailers, and parts	3361–63	4,494	1,405	3,089	31.3	68.7
Aerospace products and parts	3364	1,044	302	742	28.9	71.1
Other transportation	other 336	1,787	514	1,273	28.8	71.2
Furniture and related products	337	12,060	2,736	9,324	22.7	77.3
Miscellaneous	339	20,536	5,641	14,895	27.5	72.5
Medical equipment and supplies	3391	7,602	1,807	5,795	23.8	76.2
Other miscellaneous manufacturing	3399	12,933	3,833	9,100	29.6	70.4
Nonmanufacturing industries	11, 21–23, 42–81	4,665,645	1,146,573	3,519,072	24.6	75.4
Agriculture, forestry, fishing, and hunting	11	19,567	2,641	16,926	13.5	86.5
Mining, extraction, and support activities	21	14,004	2,091	11,913	14.9	85.1
Utilities	22	2,994	698	2,296	23.3	76.7
Construction	23	635,568	112,634	522,934	17.7	82.3
Wholesale trade	42	241,440	61,317	180,123	25.4	74.6
Retail trade	44–45	546,067	141,820	404,247	26.0	74.0
Transportation and warehousing	48–49	165,454	46,209	119,245	27.9	72.1
Information	51	65,445	20,121	45,324	30.7	69.3
Publishing	511	17,755	6,587	11,168	37.1	62.9
Newspaper, periodical, book, and directory publishers	5111	9,162	2,162	7,000	23.6	76.4
Software publishers	5112	8,589	4,418	4,171	51.4	48.6
Telecommunications	517	7,319	1,987	5,332	27.1	72.9

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Data processing, hosting, and related services	518	8,346	3,333	5,013	39.9	60.1
Other information	other 51	32,027	8,215	23,812	25.7	74.3
Finance and insurance	52	198,128	51,176	146,952	25.8	74.2
Real estate and rental and leasing	53	283,276	54,403	228,873	19.2	80.8
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,956	551	1,405	28.2	71.8
Other real estate and rental and leasing	other 53	281,321	53,852	227,469	19.1	80.9
Professional, scientific, and technical services	54	717,229	207,012	510,217	28.9	71.1
Legal services	5411	152,543	28,630	123,913	18.8	81.2
Accounting, tax preparation, bookkeeping, and payroll services	5412	109,075	26,984	82,091	24.7	75.3
Architectural, engineering, and related services	5413	87,994	22,491	65,503	25.6	74.4
Specialized design services	5414	29,258	9,555	19,703	32.7	67.3
Computer systems design and related services	5415	100,282	37,212	63,070	37.1	62.9
Management, scientific, and technical consulting services	5416	144,421	52,587	91,834	36.4	63.6
Scientific research and development services	5417	11,149	4,153	6,996	37.2	62.8
Advertising, public relations, and related services	5418	28,236	9,799	18,437	34.7	65.3
Other professional, scientific, and technical services	5419	54,270	15,603	38,667	28.8	71.2
Management of companies and enterprises	55	3,153	772	2,381	24.5	75.5
Administrative and support and waste management and remediation services	56	293,539	67,547	225,992	23.0	77.0
Educational services	61	57,078	23,600	33,478	41.3	58.7
Health care and social assistance	62	536,276	137,875	398,401	25.7	74.3
Health care services	621–23	469,939	119,711	350,228	25.5	74.5
Social assistance	624	66,336	18,163	48,173	27.4	72.6
Arts, entertainment, and recreation	71	89,491	20,857	68,634	23.3	76.7
Accommodation and food services	72	455,071	122,438	332,633	26.9	73.1
Other services	81	341,869	73,362	268,507	21.5	78.5

NAICS = 2017 North American Industry Classification System.

Note(s):

Detail across rows may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Detail across columns have been adjusted to add to total. Industry classification is based on dominant establishment payroll. Statistics are representative of companies located in the United States.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, 2022 Annual Business Survey: Data Year 2021.