

TABLE 33

**Companies with new or improved business processes: Methods for producing goods or providing services, by industry: 2016–18**

(Number and percent)

Industry	NAICS code	Companies (number)	Innovating methods for producing goods or providing services			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,805,151	350,030	4,455,121	7.3	92.7
Manufacturing industries	31–33	217,565	33,828	183,737	15.5	84.5
Food	311	18,250	2,874	15,376	15.7	84.3
Beverage and tobacco products	312	7,723	1,400	6,323	18.1	81.9
Textile, apparel, and leather products	313–16	10,554	1,265	9,289	12.0	88.0
Wood products	321	11,012	1,138	9,874	10.3	89.7
Paper	322	2,117	301	1,816	14.2	85.8
Printing and related support activities	323	20,851	3,162	17,689	15.2	84.8
Petroleum and coal products	324	583	69	514	11.8	88.2
Chemicals	325	7,522	1,445	6,077	19.2	80.8
Pesticide, fertilizer, and other agricultural chemical manufacturing	3253	593	71	522	12.0	88.0
Pharmaceuticals and medicines	3254	1,365	301	1,064	22.1	77.9
Soap, cleaning compound, and toilet preparation manufacturing	3256	1,636	345	1,291	21.1	78.9
Other chemicals	other 325	3,927	729	3,198	18.6	81.4
Plastics and rubber products	326	8,087	1,454	6,633	18.0	82.0
Nonmetallic mineral products	327	7,749	746	7,003	9.6	90.4
Primary metals	331	2,537	279	2,258	11.0	89.0
Fabricated metal products	332	48,472	6,949	41,523	14.3	85.7
Machinery	333	18,558	3,391	15,167	18.3	81.7
Computer and electronic products	334	9,036	1,588	7,448	17.6	82.4
Communications equipment	3342	974	181	793	18.6	81.4
Semiconductor and other electronic components	3344	2,796	635	2,161	22.7	77.3
Navigational, measuring, electromedical, and control instruments	3345	3,909	629	3,280	16.1	83.9
Other computer and electronic products	other 334	1,359	144	1,215	10.6	89.4
Electrical equipment, appliances, and components	335	4,000	748	3,252	18.7	81.3
Transportation equipment	336	7,175	1,139	6,036	15.9	84.1
Automobiles, bodies, trailers, and parts	3361–63	4,565	712	3,853	15.6	84.4
Aerospace products and parts	3364	985	193	792	19.6	80.4
Other transportation	other 336	1,625	236	1,389	14.5	85.5
Furniture and related products	337	12,647	1,914	10,733	15.1	84.9
Miscellaneous	339	20,669	3,970	16,699	19.2	80.8
Medical equipment and supplies	3391	8,060	1,878	6,182	23.3	76.7
Other miscellaneous manufacturing	3399	12,608	2,092	10,516	16.6	83.4
Nonmanufacturing industries	11, 21–23, 42–81	4,587,586	316,203	4,271,383	6.9	93.1
Agriculture, forestry, fishing, and hunting	11	21,606	1,556	20,050	7.2	92.8
Mining, extraction, and support activities	21	14,969	660	14,309	4.4	95.6
Utilities	22	2,684	132	2,552	4.9	95.1
Construction	23	613,110	33,065	580,045	5.4	94.6
Wholesale trade	42	257,153	21,645	235,508	8.4	91.6
Retail trade	44–45	560,952	35,881	525,071	6.4	93.6
Transportation and warehousing	48–49	152,463	7,439	145,024	4.9	95.1
Information	51	61,638	7,018	54,620	11.4	88.6
Publishing	511	17,590	2,270	15,320	12.9	87.1
Newspaper, periodical, book, and directory publishers	5111	9,761	709	9,052	7.3	92.7

TABLE 33

**Companies with new or improved business processes: Methods for producing goods or providing services, by industry: 2016–18**

(Number and percent)

Industry	NAICS code	Companies (number)	Innovating methods for producing goods or providing services			
			Number		Percent	
			Yes	No	Yes	No
Software publishers	5112	7,828	1,560	6,268	19.9	80.1
Telecommunications	517	7,164	708	6,456	9.9	90.1
Data processing, hosting, and related services	518	8,918	1,273	7,645	14.3	85.7
Other information	other 51	27,965	2,768	25,197	9.9	90.1
Finance and insurance	52	200,857	12,903	187,954	6.4	93.6
Real estate and rental and leasing	53	255,783	9,697	246,086	3.8	96.2
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,812	D	1,754	D	96.8
Other real estate and rental and leasing	other 53	253,970	9,639	244,331	3.8	96.2
Professional, scientific, and technical services	54	695,672	57,247	638,425	8.2	91.8
Legal services	5411	152,243	5,546	146,697	3.6	96.4
Accounting, tax preparation, bookkeeping, and payroll services	5412	106,634	5,091	101,543	4.8	95.2
Architectural, engineering, and related services	5413	88,491	8,242	80,249	9.3	90.7
Specialized design services	5414	26,282	2,029	24,253	7.7	92.3
Computer systems design and related services	5415	95,950	13,634	82,316	14.2	85.8
Management, scientific, and technical consulting services	5416	132,989	13,687	119,302	10.3	89.7
Scientific research and development services	5417	9,798	1,936	7,862	19.8	80.2
Advertising, public relations, and related services	5418	27,677	2,532	25,145	9.1	90.9
Other professional, scientific, and technical services	5419	55,569	4,548	51,021	8.2	91.8
Management of companies and enterprises	55	2,409	46 r	2,363	1.9 r	98.1
Administrative and support and waste management and remediation services	56	287,807	20,576	267,231	7.1	92.9
Educational services	61	53,912	5,636	48,276	10.5	89.5
Health care and social assistance	62	519,556	35,331	484,225	6.8	93.2
Health care services	621–23	459,855	30,143	429,712	6.6	93.4
Social assistance	624	59,700	5,187	54,513	8.7	91.3
Arts, entertainment, and recreation	71	88,831	4,771	84,060	5.4	94.6
Accommodation and food services	72	453,059	38,069	414,990	8.4	91.6
Other services	81	345,125	24,528	320,597	7.1	92.9

D = withheld to avoid disclosing data for individual companies; data are included in higher-level totals. r = relative standard error &gt; 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.