

TABLE 26

## Services innovating companies, by industry: 2016–18

(Number and percent)

Industry	NAICS code	Companies (number)	Services innovation			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,805,151	723,571	4,081,580	15.1	84.9
Manufacturing industries	31–33	217,565	17,236	200,329	7.9	92.1
Food	311	18,250	1,047	17,203	5.7	94.3
Beverage and tobacco products	312	7,723	719	7,004	9.3	90.7
Textile, apparel, and leather products	313–16	10,554	869	9,685	8.2	91.8
Wood products	321	11,012	566	10,446	5.1	94.9
Paper	322	2,117	86 r	2,031	4.1 r	95.9
Printing and related support activities	323	20,851	2,728	18,123	13.1	86.9
Petroleum and coal products	324	583	31 r	552	5.3 r	94.7
Chemicals	325	7,522	529	6,993	7.0	93.0
Pesticide, fertilizer, and other agricultural chemical manufacturing	3253	593	74 r	519	12.5 r	87.5
Pharmaceuticals and medicines	3254	1,365	126	1,239	9.2	90.8
Soap, cleaning compound, and toilet preparation manufacturing	3256	1,636	70	1,566	4.3	95.7
Other chemicals	other 325	3,927	257	3,670	6.5	93.5
Plastics and rubber products	326	8,087	341	7,746	4.2	95.8
Nonmetallic mineral products	327	7,749	571	7,178	7.4	92.6
Primary metals	331	2,537	77	2,460	3.0	97.0
Fabricated metal products	332	48,472	3,309	45,163	6.8	93.2
Machinery	333	18,558	1,467	17,091	7.9	92.1
Computer and electronic products	334	9,036	983	8,053	10.9	89.1
Communications equipment	3342	974	124	850	12.7	87.3
Semiconductor and other electronic components	3344	2,796	201	2,595	7.2	92.8
Navigational, measuring, electromedical, and control instruments	3345	3,909	464	3,445	11.9	88.1
Other computer and electronic products	other 334	1,359	196	1,163	14.4	85.6
Electrical equipment, appliances, and components	335	4,000	314	3,686	7.9	92.2
Transportation equipment	336	7,175	452	6,723	6.3	93.7
Automobiles, bodies, trailers, and parts	3361–63	4,565	241	4,324	5.3	94.7
Aerospace products and parts	3364	985	101	884	10.3	89.7
Other transportation	other 336	1,625	109	1,516	6.7	93.3
Furniture and related products	337	12,647	662	11,985	5.2	94.8
Miscellaneous	339	20,669	2,488	18,181	12.0	88.0
Medical equipment and supplies	3391	8,060	1,007	7,053	12.5	87.5
Other miscellaneous manufacturing	3399	12,608	1,483	11,125	11.8	88.2
Nonmanufacturing industries	11, 21–23, 42–81	4,587,586	706,335	3,881,251	15.4	84.6
Agriculture, forestry, fishing, and hunting	11	21,606	2,021	19,585	9.4	90.6
Mining, extraction, and support activities	21	14,969	1,202	13,767	8.0	92.0
Utilities	22	2,684	313	2,371	11.7	88.3
Construction	23	613,110	61,973	551,137	10.1	89.9
Wholesale trade	42	257,153	21,719	235,434	8.4	91.6
Retail trade	44–45	560,952	49,196	511,756	8.8	91.2
Transportation and warehousing	48–49	152,463	18,939	133,524	12.4	87.6
Information	51	61,638	14,732	46,906	23.9	76.1
Publishing	511	17,590	4,006	13,584	22.8	77.2
Newspaper, periodical, book, and directory publishers	5111	9,761	1,699	8,062	17.4	82.6
Software publishers	5112	7,828	2,308	5,520	29.5	70.5

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			Yes	No	Yes	No
Telecommunications	517	7,164	1,566	5,598	21.9	78.1
Data processing, hosting, and related services	518	8,918	2,707	6,211	30.4	69.6
Other information	other 51	27,965	6,452	21,513	23.1	76.9
Finance and insurance	52	200,857	54,746	146,111	27.3	72.7
Real estate and rental and leasing	53	255,783	41,171	214,612	16.1	83.9
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,812	294	1,518	16.2	r 83.8
Other real estate and rental and leasing	other 53	253,970	40,877	213,093	16.1	83.9
Professional, scientific, and technical services	54	695,672	160,817	534,855	23.1	76.9
Legal services	5411	152,243	24,434	127,809	16.0	84.0
Accounting, tax preparation, bookkeeping, and payroll services	5412	106,634	22,690	83,944	21.3	78.7
Architectural, engineering, and related services	5413	88,491	20,170	68,321	22.8	77.2
Specialized design services	5414	26,282	4,381	21,901	16.7	83.3
Computer systems design and related services	5415	95,950	31,411	64,539	32.7	67.3
Management, scientific, and technical consulting services	5416	132,989	38,342	94,647	28.8	71.2
Scientific research and development services	5417	9,798	1,932	7,866	19.7	80.3
Advertising, public relations, and related services	5418	27,677	6,770	20,907	24.5	75.5
Other professional, scientific, and technical services	5419	55,569	10,685	44,884	19.2	80.8
Management of companies and enterprises	55	2,409	214	2,195	8.9	91.1
Administrative and support and waste management and remediation services	56	287,807	49,736	238,071	17.3	82.7
Educational services	61	53,912	15,720	38,192	29.2	70.8
Health care and social assistance	62	519,556	101,828	417,728	19.6	80.4
Health care services	621–23	459,855	87,200	372,655	19.0	81.0
Social assistance	624	59,700	14,628	45,072	24.5	75.5
Arts, entertainment, and recreation	71	88,831	16,973	71,858	19.1	80.9
Accommodation and food services	72	453,059	42,967	410,092	9.5	90.5
Other services	81	345,125	52,066	293,059	15.1	84.9

r = relative standard error &gt; 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. 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, 2019 Annual Business Survey: Data Year 2018.