

TABLE 43

## Innovating companies, by industry: 2015–17

(Number and percent)

Industry	NAICS code	Companies (number)	Any innovation			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,603,606	1,989,523	2,614,083	43.2	56.8
Manufacturing industries	31–33	220,930	127,849	93,081	57.9	42.1
Food	311	18,180	10,996	7,183	60.5	39.5
Beverage and tobacco products	312	6,724	5,011	1,713	74.5	25.5
Textile, apparel, and leather products	313–16	10,569	5,573	4,996	52.7	47.3
Wood products	321	10,850	5,362	5,488	49.4	50.6
Paper	322	2,276	1,409	868	61.9	38.1
Printing and related support activities	323	21,903	11,604	10,299	53.0	47.0
Petroleum and coal products	324	624	359	264	57.6	42.4
Chemicals	325	7,910	5,333	2,576	67.4	32.6
Pesticide, fertilizer, and other agricultural chemicals	3253	542	338	204	62.4	37.6
Pharmaceuticals and medicines	3254	1,412	986	426	69.8	30.2
Soap, cleaning compound, and toilet preparation	3256	1,615	1,139	475	70.6	29.4
Other chemicals	other 325	4,341	2,869	1,471	66.1	33.9
Plastics and rubber products	326	8,412	5,160	3,252	61.3	38.7
Nonmetallic mineral products	327	8,021	4,088	3,933	51.0	49.0
Primary metals	331	2,679	1,499	1,180	55.9	44.1
Fabricated metal products	332	47,340	25,360	21,981	53.6	46.4
Machinery	333	18,792	11,580	7,213	61.6	38.4
Computer and electronic products	334	9,566	6,879	2,687	71.9	28.1
Communications equipment	3342	916	706	209	77.1	22.9
Semiconductor and other electronic components	3344	3,214	2,139	1,075	66.6	33.4
Navigational, measuring, electromedical, and control instruments	3345	3,958	2,925	1,033	73.9	26.1
Other computer and electronic products	other 334	1,478	1,108	370	75.0	25.0
Electrical equipment, appliances, and components	335	4,223	2,749	1,474	65.1	34.9
Transportation equipment	336	8,039	5,018	3,021	62.4	37.6
Automobiles, bodies, trailers, and parts	3361–63	5,018	3,194	1,824	63.7	36.3
Aerospace products and parts	3364	1,109	723	386	65.2	34.8
Other transportation	other 336	1,912	1,102	811	57.6	42.4
Furniture and related products	337	12,430	6,485	5,945	52.2	47.8
Miscellaneous	339	22,315	13,351	8,964	59.8	40.2
Medical equipment and supplies	3391	8,202	4,724	3,478	57.6	42.4
Other miscellaneous manufacturing	3399	14,113	8,628	5,485	61.1	38.9
Nonmanufacturing industries	11, 21–23, 42–81	4,382,677	1,861,675	2,521,002	42.5	57.5
Agriculture, forestry, fishing, and hunting	11	21,054	6,630	14,424	31.5	68.5
Mining, extraction, and support activities	21	15,546	4,036	11,510	26.0	74.0
Utilities	22	2,534	964	1,570	38.0	62.0
Construction	23	607,403	211,490	395,913	34.8	65.2
Wholesale trade	42	252,134	126,882	125,252	50.3	49.7
Retail trade	44–45	545,440	244,667	300,773	44.9	55.1
Transportation and warehousing	48–49	144,404	62,055	82,349	43.0	57.0
Information	51	56,053	34,067	21,986	60.8	39.2
Publishing	511	17,031	11,246	5,786	66.0	34.0
Newspaper, periodical, book, and directory publishers	5111	9,593	5,402	4,192	56.3	43.7
Software publishers	5112	7,438	5,844	1,594	78.6	21.4
Telecommunications	517	6,045	3,550	2,496	58.7	41.3
Data processing, hosting, and related services	518	8,414	5,866	2,548	69.7	30.3
Other information	other 51	24,563	13,405	11,158	54.6	45.4

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**Innovating companies, by industry: 2015–17**

(Number and percent)

Industry	NAICS code	Companies (number)	Any innovation			
			Number		Percent	
			Yes	No	Yes	No
Finance and insurance	52	192,345	88,651	103,693	46.1	53.9
Real estate and rental and leasing	53	229,923	82,759	147,164	36.0	64.0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,701	891	810	52.4	47.6
Other real estate and rental and leasing	other 53	228,222	81,868	146,354	35.9	64.1
Professional, scientific, and technical services	54	639,985	294,598	345,387	46.0	54.0
Legal services	5411	146,441	48,464	97,977	33.1	66.9
Accounting, tax preparation, bookkeeping, and payroll services	5412	99,782	36,414	63,368	36.5	63.5
Architectural, engineering, and related services	5413	83,492	39,486	44,005	47.3	52.7
Specialized design services	5414	25,140	14,033	11,107	55.8	44.2
Computer systems design and related services	5415	90,056	54,233	35,823	60.2	39.8
Management, scientific, and technical consulting services	5416	109,247	56,376	52,870	51.6	48.4
Scientific research and development services	5417	9,293	5,725	3,568	61.6	38.4
Advertising, public relations, and related services	5418	25,626	14,318	11,308	55.9	44.1
Other professional, scientific, and technical services	5419	50,907	25,547	25,360	50.2	49.8
Management of companies and enterprises	55	2,276	711	1,565	31.2	68.8
Administrative and support and waste management and remediation services	56	266,751	111,405	155,346	41.8	58.2
Educational services	61	51,288	29,793	21,495	58.1	41.9
Health care and social assistance	62	509,529	219,186	290,343	43.0	57.0
Health care services	621–23	447,069	191,686	255,382	42.9	57.1
Social assistance	624	62,461	27,500	34,961	44.0	56.0
Arts, entertainment, and recreation	71	74,256	33,823	40,433	45.5	54.5
Accommodation and food services	72	441,426	181,507	259,919	41.1	58.9
Other services	81	330,331	128,452	201,879	38.9	61.1

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding. Industry classification is based on the dominant establishment payroll. Innovating companies are defined here as those with product, process, marketing, or organizational innovation. Statistics are representative of companies located in the United States.

**Source(s):**

National Center for Science and Engineering Statistics and U.S. Census Bureau, Annual Business Survey, 2017.