

TABLE 70

Product innovating companies and partners, by location of partner and industry: 2017–19

(Number and percent)

Industry	NAICS code	All companies	Any cooperation partner in the United States	Any cooperation partner in Canada or Mexico	Any cooperation partner in the rest of the world
All industries	11, 21–23, 31–33, 42–81	530,124	67.8	4.0	10.0
Manufacturing industries	31–33	35,277	73.4	8.6	16.3
Food	311	2,419	66.4	4.3	6.9
Beverage and tobacco products	312	1,604	62.6	2.9	7.0
Textile, apparel, and leather products	313–16	1,619	63.4	6.5	21.3
Wood products	321	960	73.3	2.0	12.9
Paper	322	253	79.1	22.1 r	24.1 r
Printing and related support activities	323	3,354	76.6	2.0 r	5.9
Petroleum and coal products	324	27 r	70.4 r	3.7 r	0.0
Chemicals	325	1,566	73.7	14.9	26.1
Pesticide, fertilizer, and other agricultural chemical	3253	72	70.8	2.8	5.6
Pharmaceuticals and medicines	3254	357	75.4	12.9	26.6
Soap, cleaning compound, and toilet preparation	3256	363	69.1	12.4 r	19.3
Other chemicals	other 325	775	75.4	17.9	31.4
Plastics and rubber products	326	1,310	80.9	14.2	16.6
Nonmetallic mineral products	327	953	70.3	4.8	7.6
Primary metals	331	342	78.7	25.7 r	26.3 r
Fabricated metal products	332	6,111	76.1	6.8	10.0
Machinery	333	4,182	75.6	13.9	21.5
Computer and electronic products	334	2,928	76.6	11.5	34.3
Communications equipment	3342	394	69.5	11.4	38.3
Semiconductor and other electronic components	3344	724	79.0	10.6	31.1
Navigational, measuring, electromedical, and control instruments	3345	1,370	74.9	11.5	34.8
Other computer and electronic products	other 334	438	84.0	13.2	34.9
Electrical equipment, appliances, and components	335	1,041	75.4	17.7	25.6
Transportation equipment	336	1,510	77.5	16.5	24.4
Automobiles, bodies, trailers, and parts	3361–63	877	80.8	19.0	26.7
Aerospace products and parts	3364	214	82.2	13.6	25.7
Other transportation	other 336	418	68.7	12.9 r	19.1
Furniture and related products	337	1,555	71.0	3.2	10.6
Miscellaneous	339	3,536	70.5	8.0	17.7
Medical equipment and supplies	3391	1,537	64.5	6.8	19.1
Other miscellaneous manufacturing	3399	2,000	75.1	8.9	16.7
Nonmanufacturing industries	11, 21–23, 42–81	494,848	67.4	3.6	9.6
Agriculture, forestry, fishing, and hunting	11	1,314	73.7	0.0	0.0
Mining, extraction, and support activities	21	527	76.3	5.5	10.6 r
Utilities	22	186	81.7	4.8 r	5.4
Construction	23	40,173	62.6	2.3	3.8
Wholesale trade	42	40,944	70.1	10.6	30.5
Retail trade	44–45	64,657	64.5	3.2	11.6
Transportation and warehousing	48–49	11,860	71.8	3.2	7.5
Information	51	15,608	71.4	9.4	20.7
Publishing	511	5,746	71.0	11.6	25.1
Newspaper, periodical, book, and directory publishers	5111	1,953	76.3	4.8 r	7.6
Software publishers	5112	3,794	68.3	15.1	34.0
Telecommunications	517	1,517	67.4	2.4	13.0

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Data processing, hosting, and related services	518	2,547	71.3	12.7	25.4
Other information	other 51	5,796	73.0	7.7	16.5
Finance and insurance	52	21,490	65.8	0.9	3.0
Real estate and rental and leasing	53	18,708	70.8	3.4	7.6
Lessors of nonfinancial intangible assets (except copyrighted works)	533	322	86.6	16.1 r	29.8 r
Other real estate and rental and leasing	other 53	18,386	70.6	3.2	7.2
Professional, scientific, and technical services	54	93,425	69.8	5.3	13.1
Legal services	5411	6,920	62.8	1.3 r	3.2
Accounting, tax preparation, bookkeeping, and payroll services	5412	6,772	63.3	0.6 r	1.6
Architectural, engineering, and related services	5413	11,587	71.5	5.4	12.3
Specialized design services	5414	4,190	67.5	5.2	12.0
Computer systems design and related services	5415	24,132	72.5	8.2	20.8
Management, scientific, and technical consulting services	5416	22,828	70.1	5.7	13.0
Scientific research and development services	5417	2,615	82.1	10.7	35.8
Advertising, public relations, and related services	5418	4,219	75.3	3.7	11.0
Other professional, scientific, and technical services	5419	10,166	65.7	2.0	5.5
Management of companies and enterprises	55	170	98.8	0.0	22.9 r
Administrative and support and waste management and remediation services	56	26,537	65.5	2.4	5.8
Educational services	61	10,107	70.7	4.6	8.0
Health care and social assistance	62	59,925	67.4	0.8	3.4
Health care services	621–23	51,378	65.8	0.8	3.4
Social assistance	624	8,546	77.0	1.0 r	3.0
Arts, entertainment, and recreation	71	10,031	67.6	2.4 r	5.6
Accommodation and food services	72	41,222	66.6	1.3	2.9
Other services	81	37,962	65.7	2.1	3.5

r = relative standard error > 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. Cooperation partner categories are not mutually exclusive and should not be expected to sum to 100%. 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.