

TABLE 77

Companies using government programs to aid innovation activities, by industry: 2017–19

(Number and percent)

Industry	NAICS code	All companies	Tax incentives or tax credit programs	Grants and contribution programs	Training and hiring programs	Procurement	Other government programs
All industries	11, 21–23, 31–33, 42–81	1,674,779	3.9	1.4	1.3	1.0	1.3
Manufacturing industries	31–33	108,198	12.1	3.4	3.1	1.2	1.7
Food	311	7,956	8.2	4.6	2.5	0.9	r 2.2
Beverage and tobacco products	312	4,640	9.9	2.5	3.4	0.8	r 4.1
Textile, apparel, and leather products	313–16	3,873	5.9	3.0	1.8	1.2	1.3
Wood products	321	4,470	8.4	3.6	1.3	0.1	r 0.8
Paper	322	1,135	17.3	3.8	r 2.8	r 2.6	r 1.1
Printing and related support activities	323	9,570	5.9	0.9	r 1.2	r 0.5	0.7
Petroleum and coal products	324	266	7.1	0.8	r 0.8	r 0.0	0.0
Chemicals	325	4,592	20.1	6.1	1.7	1.1	1.8
Pesticide, fertilizer, and other agricultural chemical	3253	408	18.4	r 1.2	r 0.0	0.0	0.7
Pharmaceuticals and medicines	3254	908	22.6	7.8	3.4	1.2	2.0
Soap, cleaning compound, and toilet preparation	3256	961	10.2	1.4	0.6	r 0.0	1.7
Other chemicals	other 325	2,316	23.5	8.2	1.9	r 1.6	r 1.9
Plastics and rubber products	326	4,420	15.9	2.9	3.9	1.5	r 2.5
Nonmetallic mineral products	327	3,570	6.5	2.0	1.9	1.1	r 1.5
Primary metals	331	1,289	19.8	6.1	r 9.1	r 1.0	r 0.3
Fabricated metal products	332	25,303	12.9	3.1	4.2	1.1	1.3
Machinery	333	10,757	17.5	4.6	5.1	1.2	r 2.7
Computer and electronic products	334	5,939	20.2	7.3	2.6	3.8	2.3
Communications equipment	3342	655	17.7	4.9	2.4	r 5.5	r 2.0
Semiconductor and other electronic components	3344	1,858	18.2	4.6	3.9	r 2.9	0.8
Navigational, measuring, electromedical, and control instruments	3345	2,569	23.2	10.7	1.8	4.2	3.4
Other computer and electronic products	other 334	858	17.2	4.7	r 1.9	r 2.9	r 2.8
Electrical equipment, appliances, and components	335	2,449	14.4	5.7	3.8	2.4	1.5
Transportation equipment	336	3,733	17.8	4.0	4.4	2.4	1.7
Automobiles, bodies, trailers, and parts	3361–63	2,209	19.6	3.8	4.3	1.5	1.4
Aerospace products and parts	3364	691	19.5	5.9	9.0	5.8	3.5
Other transportation	other 336	832	11.5	3.1	1.2	1.9	r 0.8
Furniture and related products	337	5,581	9.4	0.8	1.5	0.2	0.8
Miscellaneous	339	8,630	6.7	3.1	2.1	0.7	2.3
Medical equipment and supplies	3391	3,476	9.8	3.8	3.1	1.3	3.0
Other miscellaneous manufacturing	3399	5,155	4.5	2.6	1.4	0.3	r 1.8

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Nonmanufacturing industries	11, 21–23, 42–81	1,566,582	3.4	1.3	1.1	1.0	1.2
Agriculture, forestry, fishing, and hunting	11	9,134	6.5	3.2	0.0	1.9	2.1
Mining, extraction, and support activities	21	4,547	3.2	0.8	0.9	0.0	0.7
Utilities	22	952	4.9	6.1	2.0	0.6	3.4
Construction	23	226,549	3.2	0.7	1.1	0.9	0.8
Wholesale trade	42	92,776	5.6	1.0	0.9	0.7	0.9
Retail trade	44–45	156,644	2.8	1.4	1.0	0.8	1.4
Transportation and warehousing	48–49	52,049	2.5	0.6	1.2	1.0	1.0
Information	51	29,954	10.4	1.6	1.3	1.3	0.8
Publishing	511	10,373	15.5	2.5	1.2	1.8	0.8
Newspaper, periodical, book, and directory publishers	5111	3,597	3.8	0.8	0.6	0.4	1.4
Software publishers	5112	6,777	21.6	3.4	1.5	2.6	0.5
Telecommunications	517	2,622	5.1	3.2	3.9	1.3	1.1
Data processing, hosting, and related services	518	4,790	11.5	2.0	2.3	2.5	1.5
Other information	other 51	12,167	6.9	0.4	0.4	0.3	0.5
Finance and insurance	52	62,322	1.4	0.6	1.0	0.4	1.1
Real estate and rental and leasing	53	65,387	3.5	1.0	0.5	0.7	1.6
Lessors of nonfinancial intangible assets (except copyrighted works)	533	454	12.1	0.0	0.0	0.0	0.0
Other real estate and rental and leasing	other 53	64,934	3.5	1.0	0.5	0.7	1.6
Professional, scientific, and technical services	54	279,832	4.2	1.8	1.1	1.5	1.4
Legal services	5411	41,573	1.6	0.6	0.3	0.3	0.8
Accounting, tax preparation, bookkeeping, and payroll services	5412	29,351	2.9	0.4	1.5	0.8	1.1
Architectural, engineering, and related services	5413	44,685	6.8	1.9	1.5	2.4	1.6
Specialized design services	5414	10,713	2.7	0.0	0.3	0.6	0.0
Computer systems design and related services	5415	56,297	5.4	1.6	1.5	2.2	1.5
Management, scientific, and technical consulting services	5416	56,104	2.2	1.2	0.9	1.4	1.6
Scientific research and development services	5417	7,575	22.2	28.1	2.5	5.8	4.6
Advertising, public relations, and related services	5418	9,388	1.8	0.5	0.6	1.9	2.1
Other professional, scientific, and technical services	5419	24,146	3.1	0.6	0.8	0.5	1.2
Management of companies and enterprises	55	587	6.6	0.0	0.0	0.0	0.0
Administrative and support and waste management and remediation services	56	99,924	2.5	0.6	0.9	1.1	0.9
Educational services	61	21,496	1.3	1.3	2.1	0.8	1.9

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Health care and social assistance	62	202,424	3.6	1.6	1.7	1.0	1.8
Health care services	621–23	175,473	3.6	0.8	0.9	0.5	1.2
Social assistance	624	26,953	3.2	7.0	7.3	3.9	5.8
Arts, entertainment, and recreation	71	29,031	1.4	0.4 r	0.5 r	0.2 r	0.7 r
Accommodation and food services	72	119,731	2.5	2.1	1.4	0.9	1.4
Other services	81	113,244	2.1	1.2	0.9	0.7	1.0

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. 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.