

TABLE 7-1

Domestic R&D performed by the company, by selected industry and R&D program size, for companies with 1–9 employees: 2018

(Thousands of U.S. dollars)

Industry	NAICS code	R&D program size (total)				
		Total	\$50,000– \$99,999	\$100,000– \$499,999	\$500,000– \$999,999	\$1 million or more
All selected industries	31–33, 42, 51, 5413, 5415, 5417	4,526,838	161,444	1,299,329	1,104,986	1,961,079
Manufacturing industries	31–33	555,676	29,557	179,568	86,721	259,829
Food, beverage, and tobacco products	311–12	D	0	D	0	0
Textile, apparel, and leather products	313–16	859 r	D	D	0	0
Wood products	321	0	0	0	0	0
Paper	322	0	0	0	0	0
Printing and related support activities	323	D	0	D	0	0
Petroleum and coal products	324	D	0	D	0	0
Chemicals	325	86,272	5,839	17,947	20,746	41,740
Pharmaceuticals and medicines	3254	54,581	3,107	10,349	19,232	21,893
Chemicals, excluding pharmaceuticals	other 325	31,691	2,732	7,598	D	D
Plastics and rubber products	326	0	0	0	0	0
Nonmetallic mineral products	327	5,159 r	0	5,159 r	0	0
Primary metals	331	0	0	0	0	0
Fabricated metal products	332	2,465 r	D	D	D	0
Machinery	333	42,431	1,400 r	10,979	D	D
Computer and electronic products	334	303,711	17,643	99,162	31,434	155,472
Semiconductor and other electronic components	3344	56,813	2,653	21,708	D	31,564 r
Navigational, measuring, electromedical, and control instruments	3345	200,704	9,389	50,911	19,817	120,588
Other computer and electronic products	other 334	46,194	5,601	26,544	10,729	D
Electrical equipment, appliances, and components	335	27,954	2,652	16,317	0	D
Transportation equipment	336	12,979	730 r	5,103	3,690	D
Aerospace products and parts	3364	10,181	730 r	2,305	3,690	D
Other transportation equipment	other 336	D	0	D	0	0
Furniture and related products	337	0	0	0	0	0
Miscellaneous manufacturing	339	69,921	803	19,188	19,990	29,939
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	3,971,162	131,887	1,119,761	1,018,265	1,701,249
Wholesale trade	42	183,533	D	73,372	88,580	20,761
Information	51	518,090	22,095	180,040	145,759	170,196
Software publishers	5112	368,288	14,826	121,391	99,851	132,220
Information, excluding software publishers	51, excluding 5112	149,801	7,269	58,649	45,908	37,976 r
Architectural, engineering, and related services	5413	411,987	9,047	144,520	200,282	58,138
Computer systems design and related services	5415	1,037,581	80,117	452,253	201,540	303,670
Scientific research and development services	5417	1,819,972	19,809	269,576	382,104	1,148,484
Research and development in nanotechnology	541713	292,766	4,047	55,634	92,932	140,153
Research and development in biotechnology (except nanobiotechnology)	541714	656,579	4,992	65,298	91,426	494,863
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	841,697	9,963	142,510	192,164	497,059
Social sciences and humanities research and development	541720	12,008	D	4,295	D	D

D = withheld to avoid disclosing data for individual companies; data are included in higher-level totals. 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 that performed or funded R&D.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, 2019 Annual Business Survey: Data Year 2018.