

TABLE 7-3

**Domestic R&D performed by the company, by selected industry and R&D program size, for companies with 5–9 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	2,636,110	40,199	507,855	602,901	1,485,154
Manufacturing industries	31–33	323,702	14,240	87,494	35,122	186,846
Food, beverage, and tobacco products	311–12	0	0	0	0	0
Textile, apparel, and leather products	313–16	D	0	D	0	0
Wood products	321	0	0	0	0	0
Paper	322	0	0	0	0	0
Printing and related support activities	323	0	0	0	0	0
Petroleum and coal products	324	D	0	D	0	0
Chemicals	325	38,750	2,669	9,987	14,254	11,840 r
Pharmaceuticals and medicines	3254	31,377	1,514	5,283	12,740 r	11,840 r
Chemicals, excluding pharmaceuticals	other 325	7,373	1,156	4,703	D	0
Plastics and rubber products	326	0	0	0	0	0
Nonmetallic mineral products	327	D	0	D	0	0
Primary metals	331	0	0	0	0	0
Fabricated metal products	332	D	0	0	D	0
Machinery	333	23,410 r	559 r	D	0	D
Computer and electronic products	334	216,124	9,653	57,775	13,927	134,769
Semiconductor and other electronic components	3344	39,804	1,864 r	12,709	D	24,342 r
Navigational, measuring, electromedical, and control instruments	3345	145,591	4,114	29,136	5,234 r	107,106 r
Other computer and electronic products	other 334	30,729	3,675	15,930	D	D
Electrical equipment, appliances, and components	335	15,858	1,178	5,696	0	D
Transportation equipment	336	6,794	0	1,834	D	D
Aerospace products and parts	3364	6,337	0	1,377	D	D
Other transportation equipment	other 336	D	0	D	0	0
Furniture and related products	337	0	0	0	0	0
Miscellaneous manufacturing	339	15,775	D	3,643	D	7,559 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	2,312,408	25,959	420,361	567,779	1,298,308
Wholesale trade	42	111,545	0	37,829	D	17,589
Information	51	352,215	5,402	100,130	117,714	128,969
Software publishers	5112	251,241	2,658	72,932	84,658	90,993
Information, excluding software publishers	51, excluding 5112	100,975	2,745	27,198	33,056	37,976 r
Architectural, engineering, and related services	5413	183,744	1,106 r	32,506	108,642 r	41,489 r
Computer systems design and related services	5415	590,910	16,768	176,877	113,187	284,079
Scientific research and development services	5417	1,073,994	2,683	73,019	172,110	826,182
Research and development in nanotechnology	541713	173,194	D	17,215	46,292	109,137
Research and development in biotechnology (except nanobiotechnology)	541714	390,300	848	22,501	34,571	332,380
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	487,094	1,202	30,937	86,700	368,255
Social sciences and humanities research and development	541720	9,144	D	D	D	D

D = withheld to avoid disclosing data for individual companies; data are included in higher-level totals. 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 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.