

TABLE 4

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

(Number of companies and thousands of U.S. dollars)

Industry	NAICS code	All companies		1–4 employees		5–9 employees	
		Companies (number)	Amount	Companies (number)	Amount	Companies (number)	Amount
All selected industries	31–33, 42, 51, 5413, 5415, 5417	12,541	4,526,838	7,545	1,890,728	4,997	2,636,110
Manufacturing industries	31–33	1,824	555,676	968	231,973	857	323,702
Food, beverage, and tobacco products	311–12	D	D	D	D	0	0
Textile, apparel, and leather products	313–16	10	859 r	D	D	D	D
Wood products	321	0	0	0	0	0	0
Paper	322	0	0	0	0	0	0
Printing and related support activities	323	D	D	D	D	0	0
Petroleum and coal products	324	D	D	0	0	D	D
Chemicals	325	265	86,272	128	47,522	138	38,750
Pharmaceuticals and medicines	3254	159	54,581	78	23,204	82	31,377
Chemicals, excluding pharmaceuticals	other 325	107	31,691	51	24,318 r	55	7,373
Plastics and rubber products	326	0	0	0	0	0	0
Nonmetallic mineral products	327	15 r	5,159 r	D	D	D	D
Primary metals	331	0	0	0	0	0	0
Fabricated metal products	332	18 r	2,465 r	D	D	D	D
Machinery	333	135	42,431	103 r	19,021	32	23,410 r
Computer and electronic products	334	962	303,711	421	87,587	542	216,124
Semiconductor and other electronic components	3344	186	56,813	81	17,009	106	39,804
Navigational, measuring, electromedical, and control instruments	3345	515	200,704	235	55,113	279	145,591
Other computer and electronic products	other 334	263	46,194	107	15,465	157	30,729
Electrical equipment, appliances, and components	335	167	27,954	106	12,096	62	15,858
Transportation equipment	336	41	12,979	26	6,185	14	6,794
Aerospace products and parts	3364	33	10,181	20	3,844	12	6,337
Other transportation equipment	other 336	D	D	D	D	D	D
Furniture and related products	337	0	0	0	0	0	0
Miscellaneous manufacturing	339	198	69,921	152	54,146	47	15,775
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	10,716	3,971,162	6,575	1,658,754	4,140	2,312,408
Wholesale trade	42	500	183,533	185	71,988	315	111,545
Information	51	1,771	518,090	892	165,875	879	352,215
Software publishers	5112	1,242	368,288	598	117,048	642	251,241
Information, excluding software publishers	51, excluding 5112	530	149,801	293	48,827	236	100,975
Architectural, engineering, and related services	5413	1,215	411,987	871	228,243	345	183,744
Computer systems design and related services	5415	4,407	1,037,581	2,830	446,671	1,576	590,910
Scientific research and development services	5417	2,824	1,819,972	1,796	745,978	1,027	1,073,994
Research and development in nanotechnology	541713	561	292,766	347	119,572	215	173,194

TABLE 4

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

(Number of companies and thousands of U.S. dollars)

Industry	NAICS code	All companies		1–4 employees		5–9 employees	
		Companies (number)	Amount	Companies (number)	Amount	Companies (number)	Amount
Research and development in biotechnology (except nanobiotechnology)	541714	803	656,579	500	266,279	302	390,300
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,395	841,697	914	354,602	481	487,094
Social sciences and humanities research and development	541720	32	12,008	18	2,864	12	9,144

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.