

TABLE 17

**Domestic full-time equivalent R&D employees, by selected industry and occupation, for companies with 1–9 employees: 2018**

(Number)

Industry	NAICS code	R&D employees —full-time equivalent	Researchers —full-time equivalent
All selected industries	31–33, 42, 51, 5413, 5415, 5417	26,259	18,842
Manufacturing industries	31–33	3,610	2,784
Food, beverage, and tobacco products	311–12	D	D
Textile, apparel, and leather products	313–16	10	10
Wood products	321	0	0
Paper	322	0	0
Printing and related support activities	323	D	D
Petroleum and coal products	324	D	D
Chemicals	325	491	342
Pharmaceuticals and medicines	3254	297	212
Chemicals, excluding pharmaceuticals	other 325	195	130
Plastics and rubber products	326	0	0
Nonmetallic mineral products	327	65 r	D
Primary metals	331	0	0
Fabricated metal products	332	45 r	D
Machinery	333	406	395
Computer and electronic products	334	1,955	1,513
Semiconductor and other electronic components	3344	438	338
Navigational, measuring, electromedical, and control instruments	3345	1,045	893
Other computer and electronic products	other 334	472	282
Electrical equipment, appliances, and components	335	239	205
Transportation equipment	336	86	65
Aerospace products and parts	3364	73	52
Other transportation equipment	other 336	D	D
Furniture and related products	337	0	0
Miscellaneous manufacturing	339	286	192
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	22,649	16,057
Wholesale trade	42	1,086	442
Information	51	3,964	2,582
Software publishers	5112	2,921	1,947
Information, excluding software publishers	51, excluding 5112	1,043	635
Architectural, engineering, and related services	5413	2,100	1,539
Computer systems design and related services	5415	7,921	5,514
Scientific research and development services	5417	7,579	5,981
Research and development in nanotechnology	541713	1,452	1,210
Research and development in biotechnology (except nanobiotechnology)	541714	2,210	1,681
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	3,737	2,962
Social sciences and humanities research and development	541720	82	58

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. Statistics are representative of companies located in the United States that performed or funded R&amp;D.

**Source(s):**

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