

TABLE 18

Domestic full-time equivalent R&D employees, by selected industry and work activity, for companies with 1–9 employees: 2021

(Number)

Industry	NAICS code	R&D employees: full-time equivalent	Researchers: full-time equivalent
All selected industries	31–33, 42, 51, 5413, 5415, 5417	31,015	22,130
Manufacturing industries	31–33	3,572	2,501
Food, beverage, and tobacco products	311–12	87 r	84 r
Textile, apparel, and leather products	313–16	15 r	8
Wood products	321	4	3
Paper	322	0	0
Printing and related support activities	323	0	0
Petroleum and coal products	324	9	9
Chemicals	325	470	316
Pharmaceuticals and medicines	3254	245	198
Chemicals, excluding pharmaceuticals	other 325	225	118
Plastics and rubber products	326	26	13
Nonmetallic mineral products	327	16	14
Primary metals	331	10 r	9 r
Fabricated metal products	332	100 r	41 r
Machinery	333	373	292
Computer and electronic products	334	1,521	924
Semiconductor and other electronic components	3344	427	210
Navigational, measuring, electromedical, and control instruments	3345	854	552
Other computer and electronic products	other 334	240	162
Electrical equipment, appliances, and components	335	234	164
Transportation equipment	336	153	115
Aerospace products and parts	3364	82	59
Other transportation equipment	other 336	71	56
Furniture and related products	337	2 r	2 r
Miscellaneous manufacturing	339	552	506
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	27,443	19,629
Wholesale trade	42	755	485
Information	51	5,023	3,122
Software publishers	5112	3,662	2,321
Information, excluding software publishers	51 less 5112	1,362	801
Architectural, engineering, and related services	5413	3,837	2,965
Computer systems design and related services	5415	9,141	6,464
Scientific research and development services	5417	8,686	6,594
Research and development in nanotechnology	541713	872	660
Research and development in biotechnology (except nanobiotechnology)	541714	2,803	2,077
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	4,913	3,772
Social sciences and humanities research and development	541720	90	77

r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

Note(s):

Detail may not add to total because of rounding. 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, 2022 Annual Business Survey: Data Year 2021.