

Table 19. Domestic full-time equivalent R&D employees and researchers, by selected industry and work activity, for companies with 1–9 employees: 2023

(Number)

Industry	NAICS code	R&D employees: full-time equivalent	Researchers: full-time equivalent
All selected industries	31–33, 42, 51, 5413, 5415, 5417	32,940	22,345
Manufacturing industries	31–33	3,359	2,223
Food, beverage, and tobacco products	311–12	41 r	24
Textile, apparel, and leather products	313–16	20 r	0
Wood products	321	43 r	0
Paper	322	0	0
Printing and related support activities	323	2	2
Petroleum and coal products	324	0	0
Chemicals	325	914	695 r
Pharmaceuticals and medicines	3254	233	130
Chemicals, excluding pharmaceuticals	other 325	681 r	566 r
Plastics and rubber products	326	195 r	146 r
Nonmetallic mineral products	327	33 r	5
Primary metals	331	12	5
Fabricated metal products	332	72 r	25
Machinery	333	242	152
Computer and electronic products	334	1,279	931
Semiconductor and other electronic components	3344	384	256
Navigational, measuring, electromedical, and control instruments	3345	725	562
Other computer and electronic products	other 334	170	113
Electrical equipment, appliances, and components	335	143	68
Transportation equipment	336	43	27
Aerospace products and parts	3364	27	23
Other transportation equipment	other 336	16	4
Furniture and related products	337	0	0
Miscellaneous manufacturing	339	321	142
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	29,581	20,122
Wholesale trade	42	1,192	762
Information	51	6,003	4,370
Software publishers	5112	5,036	3,808
Information, excluding software publishers	51 less 5112	967	562
Architectural, engineering, and related services	5413	3,473	2,496
Computer systems design and related services	5415	10,531	6,167
Scientific research and development services	5417	8,381	6,327
Research and development in nanotechnology	541713	461	362
Research and development in biotechnology (except nanobiotechnology)	541714	2,938	2,280
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	4,910	3,626
Social sciences and humanities research and development	541720	73	58

r = relative standard error > 50%.

NAICS = 2022 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, 2024 Annual Business Survey: Data Year 2023.