

TABLE 19

**Domestic full-time equivalent R&D employees and researchers, by selected industry and work activity, for companies with 1–9 employees: 2022**

(Number)

Industry	NAICS code	R&D employees: full-time equivalent	Researchers: full-time equivalent
All selected industries	31–33, 42, 51, 5413, 5415, 5417	28,845	20,715
Manufacturing industries	31–33	3,025	2,062
Food, beverage, and tobacco products	311–12	51	66
Textile, apparel, and leather products	313–16	43 r	36 r
Wood products	321	0	0
Paper	322	12 r	3 r
Printing and related support activities	323	0	0
Petroleum and coal products	324	1	0
Chemicals	325	577	449
Pharmaceuticals and medicines	3254	373	291
Chemicals, excluding pharmaceuticals	other 325	205	158
Plastics and rubber products	326	69	30
Nonmetallic mineral products	327	20	16
Primary metals	331	13	6 r
Fabricated metal products	332	122	62 r
Machinery	333	225	148
Computer and electronic products	334	1,040	688
Semiconductor and other electronic components	3344	274	182
Navigational, measuring, electromedical, and control instruments	3345	615	427
Other computer and electronic products	other 334	152	78
Electrical equipment, appliances, and components	335	136	82
Transportation equipment	336	236	156
Aerospace products and parts	3364	134	114
Other transportation equipment	other 336	102 r	42
Furniture and related products	337	0	0
Miscellaneous manufacturing	339	480	319
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	25,820	18,653
Wholesale trade	42	1,072	1,060
Information	51	4,319	2,766
Software publishers	5112	3,265	2,067
Information, excluding software publishers	51 less 5112	1,054	699
Architectural, engineering, and related services	5413	2,465	1,952
Computer systems design and related services	5415	9,386	6,322
Scientific research and development services	5417	8,578	6,553
Research and development in nanotechnology	541713	728	533
Research and development in biotechnology (except nanobiotechnology)	541714	2,937	2,226
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	4,773	3,676
Social sciences and humanities research and development	541720	140	118

r = relative standard error &gt; 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail across rows may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Detail across columns have been adjusted to add to total. 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, 2023 Annual Business Survey: Data Year 2022.