

Table 4. Domestic R&D employees, by selected industry and sex, for companies with 1–9 employees: 2023

(Number)

Industry	NAICS code	Total	Male	Female
All selected industries	31–33, 42, 51, 5413, 5415, 5417	40,836	32,111	8,726
Manufacturing industries	31–33	4,302	3,463	839
Food, beverage, and tobacco products	311–12	47	28	19 r
Textile, apparel, and leather products	313–16	77 r	2	75 r
Wood products	321	70 r	70 r	0
Paper	322	0	0	0
Printing and related support activities	323	2	2	0
Petroleum and coal products	324	0	0	0
Chemicals	325	1,069	745	324
Pharmaceuticals and medicines	3254	287	172	115
Chemicals, excluding pharmaceuticals	other 325	782	574	209 r
Plastics and rubber products	326	203 r	174 r	30 r
Nonmetallic mineral products	327	42	42	0
Primary metals	331	13	13	0
Fabricated metal products	332	78 r	66 r	12 r
Machinery	333	386	344	41
Computer and electronic products	334	1,671	1,424	246
Semiconductor and other electronic components	3344	463	404	60
Navigational, measuring, electromedical, and control instruments	3345	962	807	155
Other computer and electronic products	other 334	245	214	31 r
Electrical equipment, appliances, and components	335	170	154	16
Transportation equipment	336	80	75	5
Aerospace products and parts	3364	46	43	4
Other transportation equipment	other 336	34	32	2
Furniture and related products	337	3	3	0
Miscellaneous manufacturing	339	392	321	71
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	36,535	28,648	7,886
Wholesale trade	42	1,621	1,259	363
Information	51	6,895	5,888	1,007
Software publishers	5112	5,790	4,903	887
Information, excluding software publishers	51 less 5112	1,105	985	120
Architectural, engineering, and related services	5413	4,699	3,821	878
Computer systems design and related services	5415	13,204	10,735	2,469
Scientific research and development services	5417	10,115	6,945	3,170
Research and development in nanotechnology	541713	613	503	110
Research and development in biotechnology (except nanobiotechnology)	541714	3,398	2,112	1,285
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	6,002	4,286	1,716
Social sciences and humanities research and development	541720	101	44	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. 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, 2024 Annual Business Survey: Data Year 2023.