

TABLE 16

Domestic R&D employees, by selected industry and sex, for companies with 1–9 employees: 2022

(Number)

Industry	NAICS code	Total	Male	Female
All selected industries	31–33, 42, 51, 5413, 5415, 5417	36,324	28,469	7,855
Manufacturing industries	31–33	3,934	3,162	772
Food, beverage, and tobacco products	311–12	74	63	10 r
Textile, apparel, and leather products	313–16	43 r	43 r	0
Wood products	321	0	0	0
Paper	322	13 r	11 r	3 r
Printing and related support activities	323	0	0	0
Petroleum and coal products	324	2	2	0
Chemicals	325	690	483	207
Pharmaceuticals and medicines	3254	438	298	141
Chemicals, excluding pharmaceuticals	other 325	251	185	66
Plastics and rubber products	326	138	112	26 r
Nonmetallic mineral products	327	20	20	0
Primary metals	331	16	14	2
Fabricated metal products	332	166	166	0
Machinery	333	284	210	74
Computer and electronic products	334	1,496	1,233	263
Semiconductor and other electronic components	3344	348	277	71 r
Navigational, measuring, electromedical, and control instruments	3345	963	793	170
Other computer and electronic products	other 334	185	163	22
Electrical equipment, appliances, and components	335	162	137	25 r
Transportation equipment	336	271	235	36 r
Aerospace products and parts	3364	158	141	16
Other transportation equipment	other 336	113	94	19 r
Furniture and related products	337	2	2	0
Miscellaneous manufacturing	339	557	431	127
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	32,390	25,307	7,083
Wholesale trade	42	1,686	1,392	293
Information	51	5,079	4,169	910
Software publishers	5112	3,811	3,143	668
Information, excluding software publishers	51 less 5112	1,268	1,026	242
Architectural, engineering, and related services	5413	3,352	2,801	550
Computer systems design and related services	5415	12,167	10,048	2,119
Scientific research and development services	5417	10,107	6,896	3,210
Research and development in nanotechnology	541713	866	624	242
Research and development in biotechnology (except nanobiotechnology)	541714	3,338	2,100	1,238
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,726	4,104	1,622
Social sciences and humanities research and development	541720	177	69	108

r = relative standard error > 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.