

TABLE 15

Domestic R&D employees, by selected industry and sex, for companies with 1–9 employees: 2021

(Number)

Industry	NAICS code	Total	Male	Female
All selected industries	31–33, 42, 51, 5413, 5415, 5417	38,962	30,340	8,622
Manufacturing industries	31–33	4,686	3,735	951
Food, beverage, and tobacco products	311–12	89 r	79 r	10 r
Textile, apparel, and leather products	313–16	25	21	4
Wood products	321	6	4	1
Paper	322	0	0	0
Printing and related support activities	323	0	0	0
Petroleum and coal products	324	9	7	1
Chemicals	325	607	438	169
Pharmaceuticals and medicines	3254	296	201	95
Chemicals, excluding pharmaceuticals	other 325	311	237	74
Plastics and rubber products	326	29	26	3
Nonmetallic mineral products	327	24	23	1
Primary metals	331	11 r	7	4 r
Fabricated metal products	332	159 r	156 r	3
Machinery	333	512	422	90
Computer and electronic products	334	1,950	1,582	368
Semiconductor and other electronic components	3344	509	440	69
Navigational, measuring, electromedical, and control instruments	3345	1,110	852	258
Other computer and electronic products	other 334	332	290	42
Electrical equipment, appliances, and components	335	306	255	51
Transportation equipment	336	190	180	10
Aerospace products and parts	3364	95	88	7
Other transportation equipment	other 336	96	93	3
Furniture and related products	337	3	3	0
Miscellaneous manufacturing	339	765	531	233 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	34,276	26,605	7,671
Wholesale trade	42	1,119	954	165
Information	51	5,859	4,631	1,228
Software publishers	5112	4,299	3,382	917
Information, excluding software publishers	51 less 5112	1,559	1,248	311
Architectural, engineering, and related services	5413	5,330	4,454	876
Computer systems design and related services	5415	11,653	9,670	1,983
Scientific research and development services	5417	10,315	6,897	3,418
Research and development in nanotechnology	541713	1,119	763	355
Research and development in biotechnology (except nanobiotechnology)	541714	3,199	1,955	1,244
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,878	4,113	1,765
Social sciences and humanities research and development	541720	110	60	50

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.