

TABLE 15

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

(Number)

Industry	NAICS code	All companies	1–4 employees	5–9 employees
All selected industries	31–33, 42, 51, 5413, 5415, 5417	36,324	14,938	21,386
Manufacturing industries	31–33	3,934	1,371	2,562
Food, beverage, and tobacco products	311–12	74	31 r	42 r
Textile, apparel, and leather products	313–16	43 r	13 r	30 r
Wood products	321	0	0	0
Paper	322	13 r	0	13 r
Printing and related support activities	323	0	0	0
Petroleum and coal products	324	2	2	0
Chemicals	325	690	247	442
Pharmaceuticals and medicines	3254	438	157	281
Chemicals, excluding pharmaceuticals	other 325	251	90	161
Plastics and rubber products	326	138	57	81
Nonmetallic mineral products	327	20	2	18
Primary metals	331	16	7	9
Fabricated metal products	332	166	76 r	90 r
Machinery	333	284	121	163
Computer and electronic products	334	1,496	508	987
Semiconductor and other electronic components	3344	348	131	217
Navigational, measuring, electromedical, and control instruments	3345	963	312	651
Other computer and electronic products	other 334	185	65	120
Electrical equipment, appliances, and components	335	162	61	102
Transportation equipment	336	271	53	218
Aerospace products and parts	3364	158	35	123
Other transportation equipment	other 336	113	18 r	95 r
Furniture and related products	337	2	0	2
Miscellaneous manufacturing	339	557	193	364
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	32,390	13,566	18,824
Wholesale trade	42	1,686	615	1,071
Information	51	5,079	1,811	3,268
Software publishers	5112	3,811	1,259	2,552
Information, excluding software publishers	51 less 5112	1,268	552	716
Architectural, engineering, and related services	5413	3,352	1,293	2,059
Computer systems design and related services	5415	12,167	5,708	6,459
Scientific research and development services	5417	10,107	4,139	5,968
Research and development in nanotechnology	541713	866	381	485
Research and development in biotechnology (except nanobiotechnology)	541714	3,338	1,379	1,959
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,726	2,290	3,436
Social sciences and humanities research and development	541720	177	89	87

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.