

Table 15. Domestic R&D employees, by selected industry and company size, for companies with 1–9 employees: 2023

(Number)

Industry	NAICS code	All companies	1–4 employees	5–9 employees
All selected industries	31–33, 42, 51, 5413, 5415, 5417	40,836	18,410	22,426
Manufacturing industries	31–33	4,302	1,565	2,737
Food, beverage, and tobacco products	311–12	47	3	44 r
Textile, apparel, and leather products	313–16	77 r	2	75 r
Wood products	321	70 r	53 r	16 r
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	305	764
Pharmaceuticals and medicines	3254	287	66	221
Chemicals, excluding pharmaceuticals	other 325	782	239	543 r
Plastics and rubber products	326	203 r	6	197 r
Nonmetallic mineral products	327	42	34 r	8 r
Primary metals	331	13	7	6 r
Fabricated metal products	332	78 r	0	78 r
Machinery	333	386	108	277
Computer and electronic products	334	1,671	714	957
Semiconductor and other electronic components	3344	463	265	198
Navigational, measuring, electromedical, and control instruments	3345	962	365	597
Other computer and electronic products	other 334	245	84	161
Electrical equipment, appliances, and components	335	170	77	93
Transportation equipment	336	80	35	46
Aerospace products and parts	3364	46	35	12
Other transportation equipment	other 336	34	0	34
Furniture and related products	337	3	0	3
Miscellaneous manufacturing	339	392	219	172
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	36,535	16,845	19,690
Wholesale trade	42	1,621	598	1,023
Information	51	6,895	2,453	4,442
Software publishers	5112	5,790	1,998	3,792
Information, excluding software publishers	51 less 5112	1,105	455	650
Architectural, engineering, and related services	5413	4,699	2,436	2,263
Computer systems design and related services	5415	13,204	6,647	6,557
Scientific research and development services	5417	10,115	4,711	5,404
Research and development in nanotechnology	541713	613	314	299
Research and development in biotechnology (except nanobiotechnology)	541714	3,398	1,643	1,755
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	6,002	2,720	3,282
Social sciences and humanities research and development	541720	101	33	69

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.