

Table 17. Domestic R&D employees, by selected industry and R&D work activity, for companies with 1–9 employees: 2023

(Number)

Industry	NAICS code	All R&D employees	Researchers (including R&D scientists, engineers, and their managers)	R&D technicians and equivalent staff	R&D support staff (clerical and other)
All selected industries	31–33, 42, 51, 5413, 5415, 5417	40,836	28,934	9,073	2,829
Manufacturing industries	31–33	4,302	3,008	1,044	250
Food, beverage, and tobacco products	311–12	47	30	8 r	8 r
Textile, apparel, and leather products	313–16	77 r	0	39 r	37 r
Wood products	321	70 r	0	70 r	0
Paper	322	0	0	0	0
Printing and related support activities	323	2	2	0	0
Petroleum and coal products	324	0	0	0	0
Chemicals	325	1,069	883	121	66
Pharmaceuticals and medicines	3254	287	215	42	29
Chemicals, excluding pharmaceuticals	other 325	782	667 r	78	37
Plastics and rubber products	326	203 r	152 r	51 r	0
Nonmetallic mineral products	327	42	21	10 r	10 r
Primary metals	331	13	12	2	0
Fabricated metal products	332	78 r	25	48 r	4
Machinery	333	386	261	115	10
Computer and electronic products	334	1,671	1,275	326	70
Semiconductor and other electronic components	3344	463	334	94	35 r
Navigational, measuring, electromedical, and control instruments	3345	962	765	170	27
Other computer and electronic products	other 334	245	176	62	7 r
Electrical equipment, appliances, and components	335	170	109	43	18
Transportation equipment	336	80	37	31	12 r
Aerospace products and parts	3364	46	31	9 r	6 r
Other transportation equipment	other 336	34	6	21	6 r
Furniture and related products	337	3	2	2	0
Miscellaneous manufacturing	339	392	199	178	14
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	36,535	25,926	8,029	2,580
Wholesale trade	42	1,621	1,145	221	255 r
Information	51	6,895	5,332	1,300	263
Software publishers	5112	5,790	4,614	1,014	162
Information, excluding software publishers	51 less 5112	1,105	718	286	101
Architectural, engineering, and related services	5413	4,699	3,627	777	295
Computer systems design and related services	5415	13,204	8,190	3,936	1,079
Scientific research and development services	5417	10,115	7,632	1,795	688
Research and development in nanotechnology	541713	613	489	106	18
Research and development in biotechnology (except nanobiotechnology)	541714	3,398	2,637	550	211
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	6,002	4,439	1,127	436
Social sciences and humanities research and development	541720	101	67	12 r	23 r

r = relative standard error > 50%.

NAICS = 2022 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, 2024 Annual Business Survey: Data Year 2023.