

TABLE 17

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

(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	36,324	25,769	7,962	2,593
Manufacturing industries	31–33	3,934	2,651	1,039	244
Food, beverage, and tobacco products	311–12	74	74	0	0
Textile, apparel, and leather products	313–16	43 r	36 r	7 r	0
Wood products	321	0	0	0	0
Paper	322	13 r	3 r	8 r	3 r
Printing and related support activities	323	0	0	0	0
Petroleum and coal products	324	2	0	0	2
Chemicals	325	690	519	136	35
Pharmaceuticals and medicines	3254	438	333	85	20
Chemicals, excluding pharmaceuticals	other 325	251	185	52	14
Plastics and rubber products	326	138	60	78	0
Nonmetallic mineral products	327	20	16	4	0
Primary metals	331	16	7	5	3
Fabricated metal products	332	166	116	27 r	23 r
Machinery	333	284	194	65	25
Computer and electronic products	334	1,496	965	420	110
Semiconductor and other electronic components	3344	348	212	101	34 r
Navigational, measuring, electromedical, and control instruments	3345	963	624	286	53
Other computer and electronic products	other 334	185	130	32	23
Electrical equipment, appliances, and components	335	162	107	48	7
Transportation equipment	336	271	175	85 r	11
Aerospace products and parts	3364	158	127	24	7
Other transportation equipment	other 336	113	49	61 r	4 r
Furniture and related products	337	2	2	0	0
Miscellaneous manufacturing	339	557	376	156	26
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	32,390	23,118	6,923	2,349
Wholesale trade	42	1,686	1,179	336	171
Information	51	5,079	3,287	1,422	370
Software publishers	5112	3,811	2,434	1,116	262
Information, excluding software publishers	51 less 5112	1,268	854	306	108
Architectural, engineering, and related services	5413	3,352	2,559	689	104
Computer systems design and related services	5415	12,167	8,422	2,761	984
Scientific research and development services	5417	10,107	7,672	1,715	720
Research and development in nanotechnology	541713	866	653	144	69
Research and development in biotechnology (except nanobiotechnology)	541714	3,338	2,554	579	205
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,726	4,325	968	433
Social sciences and humanities research and development	541720	177	140	24	13 r

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.