

TABLE 16

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

(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	38,962	28,417	7,478	3,066
Manufacturing industries	31–33	4,686	3,432	882	372
Food, beverage, and tobacco products	311–12	89 r	88 r	2	0
Textile, apparel, and leather products	313–16	25	11	3	11 r
Wood products	321	6	3	1	1
Paper	322	0	0	0	0
Printing and related support activities	323	0	0	0	0
Petroleum and coal products	324	9	9	0	0
Chemicals	325	607	387	138	82
Pharmaceuticals and medicines	3254	296	227	50	19
Chemicals, excluding pharmaceuticals	other 325	311	160	88	63
Plastics and rubber products	326	29	15	3	12 r
Nonmetallic mineral products	327	24	18	6 r	0
Primary metals	331	11 r	11 r	0	0
Fabricated metal products	332	159 r	57 r	59 r	43 r
Machinery	333	512	380	104	28
Computer and electronic products	334	1,950	1,414	400	137
Semiconductor and other electronic components	3344	509	329	136 r	44
Navigational, measuring, electromedical, and control instruments	3345	1,110	878	176	56
Other computer and electronic products	other 334	332	207	88	37
Electrical equipment, appliances, and components	335	306	204	62 r	40
Transportation equipment	336	190	146	34	11
Aerospace products and parts	3364	95	69	21	5
Other transportation equipment	other 336	96	77	13 r	6 r
Furniture and related products	337	3	3	0	0
Miscellaneous manufacturing	339	765	687	70	7
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	34,276	24,985	6,596	2,695
Wholesale trade	42	1,119	860	191	68 r
Information	51	5,859	3,954	1,333	571
Software publishers	5112	4,299	2,911	892	496
Information, excluding software publishers	51 less 5112	1,559	1,043	442	75
Architectural, engineering, and related services	5413	5,330	4,067	920	343
Computer systems design and related services	5415	11,653	8,364	2,444	845
Scientific research and development services	5417	10,315	7,740	1,708	868
Research and development in nanotechnology	541713	1,119	812	140	167
Research and development in biotechnology (except nanobiotechnology)	541714	3,199	2,355	579	266
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,878	4,474	975	429
Social sciences and humanities research and development	541720	110	91	13	6

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.