

TABLE 14

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

(Number)

Industry	NAICS code	All companies	1–4 employees	5–9 employees
All selected industries	31–33, 42, 51, 5413, 5415, 5417	38,962	16,374	22,587
Manufacturing industries	31–33	4,686	1,582	3,104
Food, beverage, and tobacco products	311–12	89 r	25	65 r
Textile, apparel, and leather products	313–16	25	25	0
Wood products	321	6	6	0
Paper	322	0	0	0
Printing and related support activities	323	0	0	0
Petroleum and coal products	324	9	0	9
Chemicals	325	607	240	367
Pharmaceuticals and medicines	3254	296	161	135
Chemicals, excluding pharmaceuticals	other 325	311	79	232
Plastics and rubber products	326	29	9 r	21
Nonmetallic mineral products	327	24	17 r	8
Primary metals	331	11 r	1	9 r
Fabricated metal products	332	159 r	35 r	124 r
Machinery	333	512	223	289
Computer and electronic products	334	1,950	610	1,340
Semiconductor and other electronic components	3344	509	167	342
Navigational, measuring, electromedical, and control instruments	3345	1,110	324	786
Other computer and electronic products	other 334	332	120	212
Electrical equipment, appliances, and components	335	306	54	252 r
Transportation equipment	336	190	83	107
Aerospace products and parts	3364	95	34	61
Other transportation equipment	other 336	96	49 r	47
Furniture and related products	337	3	2 r	2
Miscellaneous manufacturing	339	765	251 r	514 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	34,276	14,793	19,483
Wholesale trade	42	1,119	352	768
Information	51	5,859	1,670	4,189
Software publishers	5112	4,299	1,183	3,117
Information, excluding software publishers	51 less 5112	1,559	487	1,072
Architectural, engineering, and related services	5413	5,330	2,188	3,142
Computer systems design and related services	5415	11,653	6,351	5,302
Scientific research and development services	5417	10,315	4,232	6,083
Research and development in nanotechnology	541713	1,119	392	727
Research and development in biotechnology (except nanobiotechnology)	541714	3,199	1,325	1,874
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,878	2,455	3,423
Social sciences and humanities research and development	541720	110	52	58

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.