

TABLE 15

R&D employees, by selected industry and sex, for companies with 1–9 employees: 2018

(Number)

Industry	NAICS code	Total	Male	Female
All selected industries	31–33, 42, 51, 5413, 5415, 5417	30,951	24,353	6,598
Manufacturing industries	31–33	4,306	3,718	589
Food, beverage, and tobacco products	311–12	D	D	0
Textile, apparel, and leather products	313–16	13	10	D
Wood products	321	0	0	0
Paper	322	0	0	0
Printing and related support activities	323	D	D	0
Petroleum and coal products	324	D	D	D
Chemicals	325	602	407	195
Pharmaceuticals and medicines	3254	357	233	124
Chemicals, excluding pharmaceuticals	other 325	245	174	72
Plastics and rubber products	326	0	0	0
Nonmetallic mineral products	327	66 r	51 r	16 r
Primary metals	331	0	0	0
Fabricated metal products	332	47 r	36 r	D
Machinery	333	462	410	D
Computer and electronic products	334	2,330	2,093	237
Semiconductor and other electronic components	3344	535	481	53
Navigational, measuring, electromedical, and control instruments	3345	1,247	1,096	150
Other computer and electronic products	other 334	549	515	34
Electrical equipment, appliances, and components	335	291	276	14
Transportation equipment	336	110	100	10
Aerospace products and parts	3364	97	87	10
Other transportation equipment	other 336	D	D	0
Furniture and related products	337	0	0	0
Miscellaneous manufacturing	339	348	301	47
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	26,645	20,636	6,010
Wholesale trade	42	1,198	813	385
Information	51	4,576	3,913	663
Software publishers	5112	3,321	2,853	468
Information, excluding software publishers	51, excluding 5112	1,255	1,061	195
Architectural, engineering, and related services	5413	2,472	1,995	476
Computer systems design and related services	5415	9,658	7,928	1,730
Scientific research and development services	5417	8,741	5,986	2,755
Research and development in nanotechnology	541713	1,705	1,273	432
Research and development in biotechnology (except nanobiotechnology)	541714	2,475	1,534	941
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	4,359	3,042	1,317
Social sciences and humanities research and development	541720	97	70	28

D = withheld to avoid disclosing data for individual companies; data are included in higher-level totals. r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

Note(s):

Detail may not add to total because of rounding. 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, 2019 Annual Business Survey: Data Year 2018.