

TABLE 19

**R&D employees, by selected industry and sex, for companies with 1–9 employees: 2019**

(Number)

Industry	NAICS code	Total	Male	Female
All selected industries	31–33, 42, 51, 5413, 5415, 5417	37,694	30,617	7,078
Manufacturing industries	31–33	3,813	3,229	584
Food, beverage, and tobacco products	311–12	55	44	12 r
Textile, apparel, and leather products	313–16	3 r	3 r	0
Wood products	321	7 r	7 r	0
Paper	322	0	0	0
Printing and related support activities	323	5	5	0
Petroleum and coal products	324	0	0	0
Chemicals	325	808	588	219
Pharmaceuticals and medicines	3254	426	280	146
Chemicals, excluding pharmaceuticals	other 325	381	308	73
Plastics and rubber products	326	61	57	4 r
Nonmetallic mineral products	327	27 r	19 r	8 r
Primary metals	331	8 r	8 r	0
Fabricated metal products	332	72 r	72 r	0
Machinery	333	240	216	24
Computer and electronic products	334	1,623	1,415	208
Semiconductor and other electronic components	3344	269	221	48
Navigational, measuring, electromedical, and control instruments	3345	1,142	991	151
Other computer and electronic products	other 334	212	204	8
Electrical equipment, appliances, and components	335	146	127	20 r
Transportation equipment	336	189	179	11
Aerospace products and parts	3364	145	141	4
Other transportation equipment	other 336	45	37	7
Furniture and related products	337	0	0	0
Miscellaneous manufacturing	339	568	491	77 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	33,882	27,387	6,494
Wholesale trade	42	1,049	866	183 r
Information	51	5,644	4,754	891
Software publishers	5112	3,296	2,768	529
Information, excluding software publishers	51 less 5112	2,348	1,986	362
Architectural, engineering, and related services	5413	3,931	3,304	628
Computer systems design and related services	5415	13,026	11,280	1,745
Scientific research and development services	5417	10,231	7,184	3,047
Research and development in nanotechnology	541713	1,006	732	275
Research and development in biotechnology (except nanobiotechnology)	541714	3,053	1,972	1,081
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,961	4,371	1,590
Social sciences and humanities research and development	541720	192	102	90

r = relative standard error &gt; 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&amp;D.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2020 Annual Business Survey: Data Year 2019.