

TABLE 20

## Domestic R&amp;D employees, by selected industry and R&amp;D occupation, for companies with 1–9 employees: 2019

(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	37,694	27,762	7,725	2,208
Manufacturing industries	31–33	3,813	2,842	713	257
Food, beverage, and tobacco products	311–12	55	45	10	0
Textile, apparel, and leather products	313–16	3 r	3 r	0	0
Wood products	321	7 r	5 r	2 r	0
Paper	322	0	0	0	0
Printing and related support activities	323	5	5	0	0
Petroleum and coal products	324	0	0	0	0
Chemicals	325	808	652	118	38
Pharmaceuticals and medicines	3254	426	322	78	26
Chemicals, excluding pharmaceuticals	other 325	381	330	41	11
Plastics and rubber products	326	61	34	20 r	7 r
Nonmetallic mineral products	327	27 r	13 r	11 r	4 r
Primary metals	331	8 r	8 r	0	0
Fabricated metal products	332	72 r	63 r	9 r	0
Machinery	333	240	180	47	13
Computer and electronic products	334	1,623	1,156	373	94
Semiconductor and other electronic components	3344	269	180	56	33
Navigational, measuring, electromedical, and control instruments	3345	1,142	832	256	54
Other computer and electronic products	other 334	212	144	61 r	7
Electrical equipment, appliances, and components	335	146	106	36	4 r
Transportation equipment	336	189	143	34	13 r
Aerospace products and parts	3364	145	100	34	11 r
Other transportation equipment	other 336	45	43	0	2 r
Furniture and related products	337	0	0	0	0
Miscellaneous manufacturing	339	568	429	53	85 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	33,882	24,919	7,012	1,951
Wholesale trade	42	1,049	816	185	48 r
Information	51	5,644	4,103	1,164	378
Software publishers	5112	3,296	2,435	629	232
Information, excluding software publishers	51 less 5112	2,348	1,667	535	146
Architectural, engineering, and related services	5413	3,931	3,246	502	183
Computer systems design and related services	5415	13,026	8,906	3,600	520
Scientific research and development services	5417	10,231	7,848	1,561	821
Research and development in nanotechnology	541713	1,006	741	143	122
Research and development in biotechnology (except nanobiotechnology)	541714	3,053	2,321	517	215
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,961	4,636	875	450
Social sciences and humanities research and development	541720	192	136	26	30

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&D.

**Source(s):**

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