

Table 6**R&D domestic employees, by selected industry, sex, and R&D occupation, for companies with 1–9 employees: 2019**

(Number)

Industry	NAICS code	Total	Men	Women	Researchers		R&D technicians and equivalent staff	R&D support staff (clerical and other)
					Total (including R&D scientists, engineers, and their managers)	With PhD (excluding MD, JD, and EdD)		
All selected industries	31–33, 42, 51, 5413, 5415, 5417	37,694	30,617	7,078	27,762	7,881	7,725	2,208
Manufacturing industries	31–33	3,813	3,229	584	2,842	880	713	257
Food, beverage, and tobacco products	311–12	55	44	12 r	45	3	10	0
Textile, apparel, and leather products	313–16	3 r	3 r	0	3 r	0	0	0
Wood products	321	7 r	7 r	0	5 r	2 r	2 r	0
Paper	322	0	0	0	0	0	0	0
Printing and related support activities	323	5	5	0	5	0	0	0
Petroleum and coal products	324	0	0	0	0	0	0	0
Chemicals	325	808	588	219	652	312	118	38
Pharmaceuticals and medicines	3254	426	280	146	322	203	78	26
Chemicals, excluding pharmaceuticals	other 325	381	308	73	330	109	41	11
Plastics and rubber products	326	61	57	4 r	34	8 r	20 r	7 r
Nonmetallic mineral products	327	27 r	19 r	8 r	13 r	3	11 r	4 r
Primary metals	331	8 r	8 r	0	8 r	0	0	0
Fabricated metal products	332	72 r	72 r	0	63 r	5 r	9 r	0
Machinery	333	240	216	24	180	35	47	13
Computer and electronic products	334	1,623	1,415	208	1,156	351	373	94
Semiconductor and other electronic components	3344	269	221	48	180	65	56	33
Navigational, measuring, electromedical, and control instruments	3345	1,142	991	151	832	233	256	54
Other computer and electronic products	other 334	212	204	8	144	53 r	61 r	7
Electrical equipment, appliances, and components	335	146	127	20 r	106	11	36	4 r
Transportation equipment	336	189	179	11	143	10	34	13 r
Aerospace products and parts	3364	145	141	4	100	6	34	11 r
Other transportation equipment	other 336	45	37	7	43	5 r	0	2 r
Furniture and related products	337	0	0	0	0	0	0	0
Miscellaneous manufacturing	339	568	491	77 r	429	141 r	53	85 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	33,882	27,387	6,494	24,919	7,001	7,012	1,951
Wholesale trade	42	1,049	866	183 r	816	289	185	48 r
Information	51	5,644	4,754	891	4,103	402	1,164	378
Software publishers	5112	3,296	2,768	529	2,435	250	629	232
Information, excluding software publishers	51 less 5112	2,348	1,986	362	1,667	152	535	146
Architectural, engineering, and related services	5413	3,931	3,304	628	3,246	862	502	183
Computer systems design and related services	5415	13,026	11,280	1,745	8,906	1,359	3,600	520
Scientific research and development services	5417	10,231	7,184	3,047	7,848	4,089	1,561	821

Table 6**R&D domestic employees, by selected industry, sex, and R&D occupation, for companies with 1–9 employees: 2019**

(Number)

Industry	NAICS code	Total	Men	Women	Researchers		R&D technicians and equivalent staff	R&D support staff (clerical and other)
					Total (including R&D scientists, engineers, and their managers)	With PhD (excluding MD, JD, and EdD)		
Research and development in nanotechnology	541713	1,006	732	275	741	366	143	122
Research and development in biotechnology (except nanobiotechnology)	541714	3,053	1,972	1,081	2,321	1,531	517	215
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,961	4,371	1,590	4,636	2,121	875	450
Social sciences and humanities research and development	541720	192	102	90	136	61	26	30

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, 2020 Annual Business Survey: Data Year 2019.