

TABLE 21

**Domestic R&D researchers with PhDs, by selected industry, for companies with 1–9 employees: 2019**

(Number)

Industry	NAICS code	All researchers (including R&D scientists, engineers, and their managers)	Researchers with PhD (excluding MD, JD, and EdD)
All selected industries	31–33, 42, 51, 5413, 5415, 5417	27,762	7,881
Manufacturing industries	31–33	2,842	880
Food, beverage, and tobacco products	311–12	45	3
Textile, apparel, and leather products	313–16	3 r	0
Wood products	321	5 r	2 r
Paper	322	0	0
Printing and related support activities	323	5	0
Petroleum and coal products	324	0	0
Chemicals	325	652	312
Pharmaceuticals and medicines	3254	322	203
Chemicals, excluding pharmaceuticals	other 325	330	109
Plastics and rubber products	326	34	8 r
Nonmetallic mineral products	327	13 r	3
Primary metals	331	8 r	0
Fabricated metal products	332	63 r	5 r
Machinery	333	180	35
Computer and electronic products	334	1,156	351
Semiconductor and other electronic components	3344	180	65
Navigational, measuring, electromedical, and control instruments	3345	832	233
Other computer and electronic products	other 334	144	53 r
Electrical equipment, appliances, and components	335	106	11
Transportation equipment	336	143	10
Aerospace products and parts	3364	100	6
Other transportation equipment	other 336	43	5 r
Furniture and related products	337	0	0
Miscellaneous manufacturing	339	429	141 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	24,919	7,001
Wholesale trade	42	816	289
Information	51	4,103	402
Software publishers	5112	2,435	250
Information, excluding software publishers	51 less 5112	1,667	152
Architectural, engineering, and related services	5413	3,246	862
Computer systems design and related services	5415	8,906	1,359
Scientific research and development services	5417	7,848	4,089
Research and development in nanotechnology	541713	741	366
Research and development in biotechnology (except nanobiotechnology)	541714	2,321	1,531
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	4,636	2,121
Social sciences and humanities research and development	541720	136	61

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.