

TABLE 18

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

(Number)

Industry	NAICS code	All companies	1–4 employees	5–9 employees
All selected industries	31–33, 42, 51, 5413, 5415, 5417	37,694	16,804	20,890
Manufacturing industries	31–33	3,813	1,611	2,202
Food, beverage, and tobacco products	311–12	55	25 r	31
Textile, apparel, and leather products	313–16	3 r	3 r	0
Wood products	321	7 r	0	7 r
Paper	322	0	0	0
Printing and related support activities	323	5	2 r	3
Petroleum and coal products	324	0	0	0
Chemicals	325	808	427	381
Pharmaceuticals and medicines	3254	426	231	195
Chemicals, excluding pharmaceuticals	other 325	381	196	186
Plastics and rubber products	326	61	23 r	38 r
Nonmetallic mineral products	327	27 r	3	25 r
Primary metals	331	8 r	8 r	0
Fabricated metal products	332	72 r	23 r	49 r
Machinery	333	240	99	140
Computer and electronic products	334	1,623	671	952
Semiconductor and other electronic components	3344	269	127	143
Navigational, measuring, electromedical, and control instruments	3345	1,142	496	646
Other computer and electronic products	other 334	212	48	163
Electrical equipment, appliances, and components	335	146	79 r	67 r
Transportation equipment	336	189	96	93
Aerospace products and parts	3364	145	60	84
Other transportation equipment	other 336	45	36	9 r
Furniture and related products	337	0	0	0
Miscellaneous manufacturing	339	568	150	418 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	33,882	15,193	18,688
Wholesale trade	42	1,049	342	707
Information	51	5,644	2,168	3,476
Software publishers	5112	3,296	1,434	1,863
Information, excluding software publishers	51 less 5112	2,348	735	1,614
Architectural, engineering, and related services	5413	3,931	2,436	1,495
Computer systems design and related services	5415	13,026	6,314	6,712
Scientific research and development services	5417	10,231	3,932	6,298
Research and development in nanotechnology	541713	1,006	455	552
Research and development in biotechnology (except nanobiotechnology)	541714	3,053	1,209	1,844
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	5,961	2,154	3,807
Social sciences and humanities research and development	541720	192	96	97

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.