

TABLE 16

Domestic R&D employees, by selected industry and R&D work activity, for companies with 1–9 employees: 2020

(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	39,087	27,029	8,877	3,181
Manufacturing industries	31–33	4,776	3,337	1,047	392
Food, beverage, and tobacco products	311–12	103	99	1	3 r
Textile, apparel, and leather products	313–16	8 r	5 r	3 r	0
Wood products	321	0	0	0	0
Paper	322	0	0	0	0
Printing and related support activities	323	0	0	0	0
Petroleum and coal products	324	0	0	0	0
Chemicals	325	1,177	732	316	129
Pharmaceuticals and medicines	3254	361	223	114	24 r
Chemicals, excluding pharmaceuticals	other 325	816	509	202	105
Plastics and rubber products	326	133	83	42 r	8
Nonmetallic mineral products	327	3	0	1	1
Primary metals	331	30	27	0	3 r
Fabricated metal products	332	298 r	226 r	32 r	40 r
Machinery	333	499	398	67	35 r
Computer and electronic products	334	1,658	1,181	379	98
Semiconductor and other electronic components	3344	332	226	93	12
Navigational, measuring, electromedical, and control instruments	3345	1,066	778	226	61
Other computer and electronic products	other 334	260	177	59	24 r
Electrical equipment, appliances, and components	335	225	172	34	19 r
Transportation equipment	336	262	116	108	38
Aerospace products and parts	3364	152	80	56	17
Other transportation equipment	other 336	110	36	52	22 r
Furniture and related products	337	3	0	1	1
Miscellaneous manufacturing	339	375	297	63	16
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	34,311	23,692	7,830	2,790
Wholesale trade	42	1,928	1,314	315	299
Information	51	6,767	4,659	1,546	563
Software publishers	5112	4,644	3,202	1,021	422
Information, excluding software publishers	51 less 5112	2,123	1,457	525	141

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Architectural, engineering, and related services	5413	4,422	2,966	1,077	379
Computer systems design and related services	5415	10,277	6,496	2,969	812
Scientific research and development services	5417	10,917	8,257	1,923	737
Research and development in nanotechnology	541713	1,145	869	203	73
Research and development in biotechnology (except nanobiotechnology)	541714	3,541	2,597	669	275
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	6,131	4,729	1,023	379
Social sciences and humanities research and development	541720	100	62	29	9

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, 2021 Annual Business Survey: Data Year 2020.