

**TABLE 8**  
**Domestic R&D performed by the company and funded by the federal government, by selected industry and employment size, for companies with 1–9 employees: 2020**

(Thousands of U.S. dollars)

Industry	NAICS code	All companies	1–4 employees	5–9 employees
All selected industries	31–33, 42, 51, 5413, 5415, 5417	867,027	390,060	476,968
Manufacturing industries	31–33	84,185	42,638	41,548
Food, beverage, and tobacco products	311–12	2,457 r	2,457 r	0
Textile, apparel, and leather products	313–16 r	0 r	0	0
Wood products	321	0	0	0
Paper	322	0	0	0
Printing and related support activities	323	0	0	0
Petroleum and coal products	324	0	0	0
Chemicals	325	29,114 r	7,539	21,575 r
Pharmaceuticals and medicines	3254	6,899	4,289 r	2,610 r
Chemicals, excluding pharmaceuticals	other 325	22,215 r	3,250	18,965 r
Plastics and rubber products	326	6,860 r	6,860 r	0
Nonmetallic mineral products	327	0	0	0
Primary metals	331	0	0	0
Fabricated metal products	332 r	0	0 r	0
Machinery	333	4,192 r	2,293 r	1,899 r
Computer and electronic products	334	26,218	17,080	9,138
Semiconductor and other electronic components	3344	1,367	1,367	0
Navigational, measuring, electromedical, and control instruments	3345	23,398	14,261	9,138
Other computer and electronic products	other 334	1,453	1,453	0
Electrical equipment, appliances, and components	335	2,119 r	2,119 r	0
Transportation equipment	336	5,417 r	1,769	3,647 r
Aerospace products and parts	3364	2,308	1,769	539
Other transportation equipment	other 336	3,109 r	0	3,109 r
Furniture and related products	337	0	0	0
Miscellaneous manufacturing	339	7,809	2,520	5,289 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	782,842	347,422	435,420
Wholesale trade	42	16,195 r	5,582 r	10,613 r
Information	51	26,486	12,132 r	14,354
Software publishers	5112	23,242	10,420 r	12,822
Information, excluding software publishers	51 less 5112	3,244	1,712 r	1,532
Architectural, engineering, and related services	5413	115,614 r	23,235	92,379 r
Computer systems design and related services	5415	165,586	88,989	76,598 r
Scientific research and development services	5417	458,961	217,484	241,476
Research and development in nanotechnology	541713	30,599	14,600	15,998

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Research and development in biotechnology (except nanobiotechnology)	541714	158,797	80,562	78,234
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	263,231	120,697	142,533
Social sciences and humanities research and development	541720	6,334 r	1,625 r	4,710 r

r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Industry classification is based on dominant establishment payroll. Statistics are representative of companies located in the United States that performed or funded R&D. This is a preliminary version of the table and it will be revised to include company counts at a later date.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2021 Annual Business Survey: Data Year 2020.