

TABLE 8
Domestic R&D performed by the company and funded by the federal government and selected industry, by employment size, for companies with 1–9 employees: 2021

(Number and thousands of U.S. dollars)

Industry	NAICS code	All companies		1–4 employees		5–9 employees	
		Companies with federally funded R&D (number)	Amount	Companies with federally funded R&D (number)	Amount	Companies with federally funded R&D (number)	Amount
All selected industries	31–33, 42, 51, 5413, 5415, 5417	1,974	1,004,852	1,102	340,324	871	664,528
Manufacturing industries	31–33	255	142,418	150	89,341	106	53,077
Food, beverage, and tobacco products	311–12	4	865	0	119	3	746
Textile, apparel, and leather products	313–16	0	0	0	0	0	0
Wood products	321	0	0	0	0	0	0
Paper	322	0	0	0	0	0	0
Printing and related support activities	323	0	0	0	0	0	0
Petroleum and coal products	324	0	0	0	0	0	0
Chemicals	325	20	9,686	14	5,352	6	4,334
Pharmaceuticals and medicines	3254	16	9,056	11	4,722	6	4,334
Chemicals, excluding pharmaceuticals	other 325	3	630	3	630	0	0
Plastics and rubber products	326	4	1,715	4	395	0	1,320
Nonmetallic mineral products	327	6	486	6	486	0	0
Primary metals	331	0	0	0	0	0	0
Fabricated metal products	332	0	0	0	0	0	0
Machinery	333	35	8,376	13	1,868	23	6,508
Computer and electronic products	334	118	48,733	65	17,819	52	30,914
Semiconductor and other electronic components	3344	18	6,159	14	3,726	5	2,433
Navigational, measuring, electromedical, and control instruments	3345	85	38,853	39	10,372	45	28,481
Other computer and electronic products	other 334	12	3,721	12	3,721	0	0
Electrical equipment, appliances, and components	335	0	468	0	0	0	468
Transportation equipment	336	5	3,219	0	1,418	3	1,800
Aerospace products and parts	3364	5	3,219	0	1,418	3	1,800
Other transportation equipment	other 336	0	0	0	0	0	0
Furniture and related products	337	3	286	0	0	3	286
Miscellaneous manufacturing	339	59	68,584	47	61,884	13	6,700
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	1,717	862,434	952	250,983	764	611,451
Wholesale trade	42	60	20,777	3	1,832	57	18,945
Information	51	76	20,623	46	6,795	29	13,829
Software publishers	5112	56	16,517	27	2,969	28	13,547
Information, excluding software publishers	51 less 5112	20	4,107	19	3,825	0	282
Architectural, engineering, and related services	5413	229	70,603	85	18,868	143	51,736
Computer systems design and related services	5415	244	295,102	98	17,223	145	277,879
Scientific research and development services	5417	1,105	455,328	716	206,267	388	249,062
Research and development in nanotechnology	541713	107	40,900	63	17,352	45	23,547

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Research and development in biotechnology (except nanobiotechnology)	541714	324	130,369	205	60,689	120	69,679
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	665	281,490	442	126,068	223	155,423
Social sciences and humanities research and development	541720	10	2,570	8	r 2,157 r	2	412

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.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, 2022 Annual Business Survey: Data Year 2021.