

Table 8. Domestic R&D performed by the company and funded by the federal government, by selected industry and company size, for companies with 1–9 employees: 2023

(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 (\$thousands)	Companies with federally funded R&D (number)	Amount (\$thousands)	Companies with federally funded R&D (number)	Amount (\$thousands)
All selected industries	31–33, 42, 51, 5413, 5415, 5417	1,855	650,113	1,070	291,297	785	358,816
Manufacturing industries	31–33	290	93,413	163	38,358	126	55,055
Food, beverage, and tobacco products	311–12	0	0	0	0	0	0
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	97	23,845	36	9,068	61	14,777
Pharmaceuticals and medicines	3254	20	8,220	6	604	14	7,616
Chemicals, excluding pharmaceuticals	other 325	76	15,625	30	8,464	47	7,161
Plastics and rubber products	326	0	0	0	0	0	0
Nonmetallic mineral products	327	0	0	0	0	0	0
Primary metals	331	3	435	3	435	0	0
Fabricated metal products	332	1	785	0	0	1	785
Machinery	333	43	17,465	24	7,208	19	10,257
Computer and electronic products	334	113	36,428	84	16,992	29	19,436
Semiconductor and other electronic components	3344	60	20,973	54	13,083	6	7,890
Navigational, measuring, electromedical, and control instruments	3345	52	14,437	31	3,909	21	10,528
Other computer and electronic products	other 334	1	1,018	0	0	1	1,018
Electrical equipment, appliances, and components	335	9	6,181	3	977	5	5,204
Transportation equipment	336	9	3,631	9	2,778	1	853
Aerospace products and parts	3364	9	3,631	9	2,778	1	853
Other transportation equipment	other 336	0	0	0	0	0	0
Furniture and related products	337	0	0	0	0	0	0
Miscellaneous manufacturing	339	15	4,644	4	899	11	3,744
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	1,566	556,700	907	252,940	659	303,761
Wholesale trade	42	45	6,357	3	1,091	41	5,265
Information	51	90	22,049	11	2,653	80	19,396
Software publishers	5112	90	21,565	11	2,653	79	18,912
Information, excluding software publishers	51 less 5112	1	484	0	0	1	484
Architectural, engineering, and related services	5413	248	52,698	159	28,529	89	24,169
Computer systems design and related services	5415	221	71,755	91	11,927	130	59,828
Scientific research and development services	5417	962	403,842	642	208,739	319	195,103
Research and development in nanotechnology	541713	70	36,697	48	26,839	22	9,858

Table 8. Domestic R&D performed by the company and funded by the federal government, by selected industry and company size, for companies with 1–9 employees: 2023

(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 (\$thousands)		Companies with federally funded R&D (number)		Amount (\$thousands)		Companies with federally funded R&D (number)		Amount (\$thousands)	
Research and development in biotechnology (except nanobiotechnology)	541714	313		122,325		215		68,596		99		53,728	
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	572		242,353		378		113,143		194		129,210	
Social sciences and humanities research and development	541720	6	r	2,467	r	2	r	160	r	4	r	2,307	r

r = relative standard error > 50%.

NAICS = 2022 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, 2024 Annual Business Survey: Data Year 2023.