

Table 4. Domestic R&D performed by the company, 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 (number)	Amount (\$thousands)	Companies (number)	Amount (\$thousands)	Companies (number)	Amount (\$thousands)
All selected industries	31–33, 42, 51, 5413, 5415, 5417	17,777	5,943,753	11,493	2,802,726	6,284	3,141,027
Manufacturing industries	31–33	1,942	557,276	1,009	213,877	934	343,399
Food, beverage, and tobacco products	311–12	18	5,438	6 r	538	12	4,900 r
Textile, apparel, and leather products	313–16	40 r	5,748 r	2	131	37 r	5,617 r
Wood products	321	56 r	10,390 r	53 r	9,573 r	3 r	817 r
Paper	322	0	0	0	0	0	0
Printing and related support activities	323	1 r	91	1 r	91	0	0
Petroleum and coal products	324	0	0	0	0	0	0
Chemicals	325	358	171,118	203	34,253	155	136,865 r
Pharmaceuticals and medicines	3254	117	42,297	61	10,277	56	32,020
Chemicals, excluding pharmaceuticals	other 325	241	128,821 r	142	23,976	99	104,845 r
Plastics and rubber products	326	89 r	20,770 r	5	809 r	84 r	19,961 r
Nonmetallic mineral products	327	24	4,070	17 r	2,086	8 r	1,984 r
Primary metals	331	9	855	3	435	6	419
Fabricated metal products	332	22	6,362 r	0	0	22	6,362 r
Machinery	333	197	39,207	68	11,855	130	27,352
Computer and electronic products	334	779	216,085	432	110,719	348	105,366
Semiconductor and other electronic components	3344	229	58,730	164	35,849	65	22,881
Navigational, measuring, electromedical, and control instruments	3345	453	127,231	225	66,505 r	229	60,725
Other computer and electronic products	other 334	97	30,125	43	8,365	54	21,760
Electrical equipment, appliances, and components	335	97	16,905	65	6,297	31	10,608
Transportation equipment	336	38	14,188	13	4,054	25	10,135
Aerospace products and parts	3364	19	5,483	13	4,054	6 r	1,429
Other transportation equipment	other 336	19	8,706	0	0	19	8,706
Furniture and related products	337	3	293	0	0	3	293
Miscellaneous manufacturing	339	210	45,755	139	33,035	70	12,720
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	15,835	5,386,477	10,484	2,588,849	5,351	2,797,628
Wholesale trade	42	1,007	174,079	448	83,532	559	90,547
Information	51	2,761	912,856	1,714	366,913	1,047	545,943
Software publishers	5112	2,153	747,100	1,284	312,219	869	434,882
Information, excluding software publishers	51 less 5112	608	165,755	430	54,694	178	111,061
Architectural, engineering, and related services	5413	2,338	595,681	1,623	287,334	715	308,347
Computer systems design and related services	5415	6,146	1,556,103	4,230	833,615	1,917	722,488
Scientific research and development services	5417	3,582	2,147,759	2,469	1,017,456	1,113	1,130,303
Research and development in nanotechnology	541713	216	96,618	145	58,260	71	38,358
Research and development in biotechnology (except nanobiotechnology)	541714	1,190	883,444	854	402,990	336	480,454

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Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	2,138	1,155,371	1,444	552,422	694	602,949
Social sciences and humanities research and development	541720	38	12,326	26	3,784	11	8,542

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.