

TABLE 4

Domestic R&D performed by the company, by selected industry and 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 (number)	Amount	Companies (number)	Amount	Companies (number)	Amount
All selected industries	31–33, 42, 51, 5413, 5415, 5417	15,339	6,124,669	9,611	2,590,797	5,727	3,533,871
Manufacturing industries	31–33	2,029	747,124	941	326,147	1,089	420,977
Food, beverage, and tobacco products	311–12	71	18,270	16	7,327	54	10,944
Textile, apparel, and leather products	313–16	20	7,096	20	7,096	0	0
Wood products	321	0	134	0	134	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	2	739	0	0	2	739
Chemicals	325	320	132,255	164	65,465	156	66,790
Pharmaceuticals and medicines	3254	133	96,666	91	53,353	43	43,313
Chemicals, excluding pharmaceuticals	other 325	186	35,589	74	12,112	112	23,477
Plastics and rubber products	326	22	6,427	11	2,453	13	3,974
Nonmetallic mineral products	327	16	3,638	15	3,187	3	450
Primary metals	331	19	2,117	0	508	18	1,609
Fabricated metal products	332	70	11,983	34	6,702	37	5,281
Machinery	333	231	64,109	127	28,854	103	35,255
Computer and electronic products	334	724	279,203	337	88,957	387	190,246
Semiconductor and other electronic components	3344	181	71,280	90	30,231	90	41,049
Navigational, measuring, electromedical, and control instruments	3345	394	164,799	167	42,347	226	122,452
Other computer and electronic products	other 334	150	43,124	83	16,379	69	26,745
Electrical equipment, appliances, and components	335	145	40,032	50	8,370	94	31,662
Transportation equipment	336	78	33,911	42	19,845	37	14,066
Aerospace products and parts	3364	34	13,003	17	7,688	16	5,315
Other transportation equipment	other 336	46	20,908	25	12,157	22	8,752
Furniture and related products	337	4	1,471	2	1,094	3	377
Miscellaneous manufacturing	339	306	145,741	118	86,156	187	59,584
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	13,312	5,377,544	8,671	2,264,650	4,639	3,112,894
Wholesale trade	42	546	143,063	207	35,526	339	107,536
Information	51	2,049	756,657	1,011	214,033	1,038	542,624
Software publishers	5112	1,509	535,950	742	151,758	766	384,192
Information, excluding software publishers	51 less 5112	541	220,707	268	62,275	272	158,432
Architectural, engineering, and related services	5413	1,952	606,186	1,275	244,629	676	361,557
Computer systems design and related services	5415	5,315	1,616,190	3,960	786,257	1,357	829,933
Scientific research and development services	5417	3,447	2,255,449	2,218	984,204	1,230	1,271,244
Research and development in nanotechnology	541713	349	172,582	197	63,725	153	108,858

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Research and development in biotechnology (except nanobiotechnology)	541714	1,085	868,580	712	421,066	374	447,514
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,970	1,193,678	1,280	483,287	688	710,391
Social sciences and humanities research and development	541720	42	12,047	26	7,566	16	4,481

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.