

TABLE 4

Domestic R&D performed by the company, by selected industry and company size, for companies with 1–9 employees: 2022

(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	13,868	5,710,570	8,698	2,525,915	5,170	3,184,655
Manufacturing industries	31–33	1,619	694,247	841	224,082	778	470,165
Food, beverage, and tobacco products	311–12	41	17,426	22	6,898	19	10,528
Textile, apparel, and leather products	313–16	13	9,268	8	1,264	5	8,005
Wood products	321	0	0	0	0	0	0
Paper	322	3	898	0	0	3	898
Printing and related support activities	323	0	0	0	0	0	0
Petroleum and coal products	324	1	159	1	159	0	0
Chemicals	325	265	168,564	146	71,854	119	96,710
Pharmaceuticals and medicines	3254	158	125,474	86	51,945	72	73,529
Chemicals, excluding pharmaceuticals	other 325	107	43,090	60	19,909	47	23,181
Plastics and rubber products	326	73	14,467	45	6,321	28	8,145
Nonmetallic mineral products	327	13	3,608	3	183	10	3,425
Primary metals	331	8	3,214	6	2,249	3	965
Fabricated metal products	332	99	44,875	51	10,043	47	34,832
Machinery	333	110	44,334	69	16,382	42	27,952
Computer and electronic products	334	614	171,928	318	60,842	296	111,087
Semiconductor and other electronic components	3344	131	46,427	79	20,910	52	25,517
Navigational, measuring, electromedical, and control instruments	3345	402	94,814	190	30,032	212	64,783
Other computer and electronic products	other 334	81	30,686	49	9,899	32	20,787
Electrical equipment, appliances, and components	335	88	14,597	40	5,395	48	9,201
Transportation equipment	336	65	36,738	25	9,792	41	26,946
Aerospace products and parts	3364	37	19,882	16	5,825	22	14,057
Other transportation equipment	other 336	28	16,856	9	3,967	19	12,889
Furniture and related products	337	3	212	0	0	3	212
Miscellaneous manufacturing	339	224	163,959	107	32,699	116	131,260
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	12,249	5,016,323	7,857	2,301,833	4,392	2,714,490
Wholesale trade	42	652	305,962	397	151,428	255	154,534
Information	51	1,972	653,665	1,046	271,111	926	382,554
Software publishers	5112	1,446	478,466	727	176,852	718	301,614
Information, excluding software publishers	51 less 5112	527	175,199	319	94,259	207	80,940
Architectural, engineering, and related services	5413	1,162	388,846	784	172,649	378	216,197
Computer systems design and related services	5415	5,082	1,414,970	3,447	672,996	1,635	741,974
Scientific research and development services	5417	3,380	2,252,879	2,182	1,033,648	1,198	1,219,231
Research and development in nanotechnology	541713	301	137,272	200	59,966	101	77,306

TABLE 4

Domestic R&D performed by the company, by selected industry and company size, for companies with 1–9 employees: 2022

(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)
Research and development in biotechnology (except nanobiotechnology)	541714	1,138	1,010,361	753	483,401	385	526,960
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,863	1,085,263	1,174	479,979	689	605,284
Social sciences and humanities research and development	541720	78	19,984	55	10,303	23	9,682

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, 2023 Annual Business Survey: Data Year 2022.