

Table 4

Domestic R&D performed by the company, by selected industry and source of funds, for companies with 1–9 employees: 2021

(Thousands of U.S. dollars)

Industry	NAICS code	Total	Paid for by the company		Foreign owner	Another U.S. company	Other businesses outside the United States	U.S. university or college	U.S. nonprofit organization	U.S. federal government	U.S. state or local government	All other organizations outside the United States
All selected industries	31–33, 42, 51, 5413, 5415, 5417	6,124,669		4,550,744	179,119	270,888	16,580	7,685	26,720	1,004,852	63,157	4,923
Manufacturing industries	31–33	747,124		533,030	41,326	13,745	2,068	1,444	2,178	142,418	10,098	818 r
Food, beverage, and tobacco products	311–12	18,270 r		16,920 r	0	0	0	484	0	865 r	0	0
Textile, apparel, and leather products	313–16	7,096 r		7,096 r	0	0	0	0	0	0	0	0
Wood products	321	134		134	0	0	0	0	0	0	0	0
Paper	322	0		0	0	0	0	0	0	0	0	0
Printing and related support activities	323	0		0	0	0	0	0	0	0	0	0
Petroleum and coal products	324	739		739	0	0	0	0	0	0	0	0
Chemicals	325	132,255		105,357	12,466	2,993	404	26	1,323	9,686	0	0
Pharmaceuticals and medicines	3254	96,666		71,680	12,466	1,988 r	152 r	0	1,323	9,056	0	0
Chemicals, excluding pharmaceuticals	other 325	35,589		33,676	0	1,005	252	26	0	630	0	0
Plastics and rubber products	326	6,427		4,712	0	0	0	0	0	1,715	0	0
Nonmetallic mineral products	327	3,638 r		3,151 r	0	0	0	0	0	486 r	0	0
Primary metals	331	2,117		2,117	0	0	0	0	0	0	0	0
Fabricated metal products	332	11,983 r		11,687 r	0	296 r	0	0	0	0	0	0
Machinery	333	64,109		46,810	0	5,921 r	690 r	329 r	0	8,376	1,983 r	0
Computer and electronic products	334	279,203		218,156	7,113 r	1,818 r	973	186	855 r	48,733	552	818 r
Semiconductor and other electronic components	3344	71,280		63,840	0	0	0	161	129	6,159	173	818 r
Navigational, measuring, electromedical, and control instruments	3345	164,799		118,083	5,818 r	344	588	24	726 r	38,853	362	0
Other computer and electronic products	other 334	43,124		36,232	1,296	1,474 r	385 r	0	0	3,721 r	16	0
Electrical equipment, appliances, and components	335	40,032		24,452	10,662 r	0	0	345	0	468	4,105 r	0
Transportation equipment	336	33,911		26,796	0	559	0	74	0	3,219	3,264 r	0
Aerospace products and parts	3364	13,003		8,931	0	559	0	74	0	3,219	221	0
Other transportation equipment	other 336	20,908		17,865	0	0	0	0	0	0	3,043 r	0
Furniture and related products	337	1,471 r		1,185 r	0	0	0	0	0	286	0	0
Miscellaneous manufacturing	339	145,741		63,719	11,085 r	2,158 r	0	0	0	68,584 r	195	0
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	5,377,544		4,017,713	137,793	257,144	14,513	6,241	24,542	862,434	53,059	4,106
Wholesale trade	42	143,063		120,053	507 r	0	1,488	183 r	0	20,777 r	54 r	0
Information	51	756,657		726,206	1,343 r	3,675	2,745	0	513	20,623	1,551	0
Software publishers	5112	535,950		511,079	471	3,307	2,745	0	280 r	16,517	1,551	0

Table 4**Domestic R&D performed by the company, by selected industry and source of funds, for companies with 1–9 employees: 2021**

(Thousands of U.S. dollars)

Industry	NAICS code	Total	Paid for by the company	Foreign owner	Another U.S. company	Other businesses outside the United States	U.S. university or college	U.S. nonprofit organization	U.S. federal government	U.S. state or local government	All other organizations outside the United States
Information, excluding software publishers	51 less 5112	220,707	215,127	872 r	368 r	0	0	233 r	4,107	0	0
Architectural, engineering, and related services	5413	606,186	461,332	2,580	61,996	1,021	1,233 r	4,544 r	70,603	2,877	0
Computer systems design and related services	5415	1,616,190	1,230,848	23,820 r	53,930	0	227 r	9,867 r	295,102 r	1,764 r	631 r
Scientific research and development services	5417	2,255,449	1,479,275	109,543	137,542	9,258	4,597	9,618	455,328	46,813	3,475
Research and development in nanotechnology	541713	172,582	116,927	5,374 r	6,006	267	659 r	2,046 r	40,900	404	0
Research and development in biotechnology (except nanobiotechnology)	541714	868,580	610,670	38,829	49,949	3,284	968 r	4,448	130,369	28,243 r	1,821 r
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,193,678	735,709	65,340	80,924	5,707	1,765	2,924	281,490	18,165	1,654
Social sciences and humanities research and development	541720	12,047	7,408	0	664 r	0	1,205 r	200 r	2,570	0	0

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.