

TABLE 7

Domestic R&D performed by the company, by selected industry and source of funds, for companies with 1–9 employees: 2020

(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	5,600,668	4,274,137	140,976	202,765	18,505	26,135	14,335	867,027	42,281	14,508
Manufacturing industries	31–33	627,387	495,843	14,201	15,570	1,868	2,356	1,867	84,185	10,993	504
Food, beverage, and tobacco products	311–12	9,614	6,581	0	0	0	288	0	2,457	288	0
Textile, apparel, and leather products	313–16	472	472	0	0	0	0	0	0	0	0
Wood products	321	0	0	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	0	0	0	0	0	0	0	0	0	0
Chemicals	325	160,031	121,470	332	5,788	1,378	14	1,399	29,114	536	0
Pharmaceuticals and medicines	3254	77,054	62,164	332	4,891	1,278	14	1,399	6,899	76	0
Chemicals, excluding pharmaceuticals	other 325	82,977	59,306	0	897	100	0	0	22,215	460	0
Plastics and rubber products	326	18,099	11,239	0	0	0	0	0	6,860	0	0
Nonmetallic mineral products	327	133	133	0	0	0	0	0	0	0	0
Primary metals	331	9,077	9,077	0	0	0	0	0	0	0	0
Fabricated metal products	332	37,292	35,574	0	1,667	0	0	0	0	51	0
Machinery	333	62,840	58,453	0	195	0	0	0	4,192	0	0
Computer and electronic products	334	189,225	143,732	2,191	4,575	329	1,974	468	26,218	9,234	504
Semiconductor and other electronic components	3344	36,372	33,512	8	1,168	23	70	209	1,367	0	15
Navigational, measuring, electromedical, and control instruments	3345	135,652	94,672	2,183	3,206	306	1,904	259	23,398	9,234	488
Other computer and electronic products	other 334	17,201	15,547	0	201	0	0	0	1,453	0	0
Electrical equipment, appliances, and components	335	24,958	10,584	11,679	335	160	80	0	2,119	0	0
Transportation equipment	336	38,247	29,872	0	2,891	0	0	0	5,417	66	0
Aerospace products and parts	3364	19,307	14,041	0	2,891	0	0	0	2,308	66	0
Other transportation equipment	other 336	18,940	15,831	0	0	0	0	0	3,109	0	0

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Furniture and related products	337	124	124	0	0	0	0	0	0	0	0
Miscellaneous manufacturing	339	77,276	68,532	0	119	0	0	0	7,809	817 r	0
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	4,973,281	3,778,294	126,774	187,195	16,637	23,778 r	12,467	782,842	31,288	14,004
Wholesale trade	42	392,416	335,440	26,087 r	14,694 r	0	0	0	16,195 r	0	0
Information	51	689,766	644,794	1,127	10,560	1,440	210	113 r	26,486	1,812	3,224 r
Software publishers	5112	468,557	428,059	1,127	9,758	1,440	184	113 r	23,242	1,498	3,135 r
Information, excluding software publishers	51 less 5112	221,209	216,735	0	801	0	26 r	0	3,244	314 r	90
Architectural, engineering, and related services	5413	574,367	384,554	38,036 r	30,583	1,257 r	879 r	1,670 r	115,614 r	1,774 r	0
Computer systems design and related services	5415	1,122,622	886,689	4,358 r	39,726	1,119 r	19,688 r	100 r	165,586	5,196 r	161
Scientific research and development services	5417	2,194,110	1,526,817	57,167	91,633	12,822	3,002	10,585	458,961	22,506	10,618 r
Research and development in nanotechnology	541713	162,996	104,969	20,497	1,984	1,731	180	56 r	30,599	2,788	191
Research and development in biotechnology (except nanobiotechnology)	541714	913,514	698,955	7,310	26,717	1,504	669	3,893	158,797	6,662	9,008 r
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,099,371	719,175	29,360	54,882	9,586	2,139	6,636 r	263,231	12,944	1,419
Social sciences and humanities research and development	541720	18,229	3,717	0	8,051	0	13 r	0	6,334 r	112	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, 2021 Annual Business Survey: Data Year 2020.