

TABLE 12-3

Domestic R&D performed by the company, by selected industry and source of funds, for companies with 5–9 employees: 2019

(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	2,868,589	2,241,358	64,119	89,181	13,363	7,362	5,143	435,723	9,559	2,780
Manufacturing industries	31–33	351,049	294,962	11,532	12,095	309	680	635	30,149	632	55
Food, beverage, and tobacco products	311–12	1,858	695	0	745	0	417	0	0	0	0
Textile, apparel, and leather products	313–16	0	0	0	0	0	0	0	0	0	0
Wood products	321	4,065	4,065	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	414	414	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	91,119	70,337	0	2,788	0	127	0	17,827	40	0
Pharmaceuticals and medicines	3254	61,258	52,221	0	765	0	90	0	8,142	40	0
Chemicals, excluding pharmaceuticals	other 325	29,862	18,116	0	2,023	0	38	0	9,685	0	0
Plastics and rubber products	326	3,057	3,024	0	33	0	0	0	0	0	0
Nonmetallic mineral products	327	5,644	0	5,644	0	0	0	0	0	0	0
Primary metals	331	0	0	0	0	0	0	0	0	0	0
Fabricated metal products	332	10,644	10,644	0	0	0	0	0	0	0	0
Machinery	333	9,105	7,013	0	204	0	0	0	1,500	388	0
Computer and electronic products	334	124,827	106,079	5,888	2,055	309	136	635	9,603	68	55
Semiconductor and other electronic components	3344	17,212	8,533	5,888	1,209	32	0	0	1,481	68	0
Navigational, measuring, electromedical, and control instruments	3345	84,388	75,612	0	528	22	136	635	7,399	0	55
Other computer and electronic products	other 334	23,228	21,933	0	318	254	0	0	723	0	0
Electrical equipment, appliances, and components	335	3,382	2,718	0	0	0	0	0	664	0	0
Transportation equipment	336	6,185	4,329	0	1,165	0	0	0	555	135	0
Aerospace products and parts	3364	5,185	3,804	0	976	0	0	0	271	135	0
Other transportation equipment	other 336	999	525	0	190	0	0	0	285	0	0
Furniture and related products	337	0	0	0	0	0	0	0	0	0	0
Miscellaneous manufacturing	339	90,749	85,645	0	5,104	0	0	0	0	0	0
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	2,517,540	1,946,396	52,587	77,086	13,054	6,682	4,508	405,575	8,928	2,725
Wholesale trade	42	142,853	138,101	4,228	0	0	0	0	524	0	0
Information	51	329,329	313,715	782	8,183	0	1,578	0	4,595	0	475

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Software publishers	5112	149,010	143,819	782 r	3	0	0	0	3,931	0	475 r
Information, excluding software publishers	51 less 5112	180,319	169,896	0	8,180 r	0	1,578 r	0	664 r	0	0
Architectural, engineering, and related services	5413	174,443	105,965	8,492 r	18,493 r	2,607	1,706 r	54 r	36,909	216 r	0
Computer systems design and related services	5415	732,473	700,553	281 r	5,098 r	0	1,153	0	25,388 r	0	0
Scientific research and development services	5417	1,138,442	688,062	38,803	45,312	10,447	2,245	4,454 r	338,158	8,711	2,250
Research and development in nanotechnology	541713	89,393	68,895	4,966	4,825 r	719	722	76 r	9,165	25	0
Research and development in biotechnology (except nanobiotechnology)	541714	384,074	287,858	15,222	2,067	2,324	46 r	3,903 r	70,406	2,016	232
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	643,130	323,113	18,615	27,064	7,404 r	1,477	475 r	256,294	6,670	2,018
Social sciences and humanities research and development	541720	21,845	8,196	0	11,356 r	0	0	0	2,293	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, 2020 Annual Business Survey: Data Year 2019.