

TABLE 9-3

## Domestic R&amp;D performed by the company, by selected industry and source of funds, for companies with 5–9 employees: 2018

(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	2,636,110	2,161,892	109,548	86,165	15,144	6,503	6,319	243,246	5,757	1,536 r
Manufacturing industries	31–33	323,702	297,227	11,566 r	3,006	232 r	52 r	D	8,515	979 r	D
Food, beverage, and tobacco products	311–12	0	0	0	0	0	0	0	0	0	0
Textile, apparel, and leather products	313–16	D	D	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	D	D	0	0	0	D	0	0	0	0
Chemicals	325	38,750	28,370	D	335	D	D	0	D	D	0
Pharmaceuticals and medicines	3254	31,377	22,199	D	335	D	0	0	D	0	0
Chemicals, excluding pharmaceuticals	other 325	7,373	6,171	0	0	0	D	0	D	D	0
Plastics and rubber products	326	0	0	0	0	0	0	0	0	0	0
Nonmetallic mineral products	327	D	D	0	0	0	0	0	0	0	0
Primary metals	331	0	0	0	0	0	0	0	0	0	0
Fabricated metal products	332	D	D	0	0	0	0	0	0	0	0
Machinery	333	23,410 r	19,869 r	D	D	0	0	0	2,087 r	0	0
Computer and electronic products	334	216,124	206,112	D	773	D	D	D	4,394	348	D
Semiconductor and other electronic components	3344	39,804	36,317	D	D	0	D	0	1,096 r	0	0
Navigational, measuring, electromedical, and control instruments	3345	145,591	139,777	0	D	D	0	D	3,298	348	D
Other computer and electronic products	other 334	30,729	30,019	0	711	0	0	0	0	0	0
Electrical equipment, appliances, and components	335	15,858	14,886	0	D	D	0	0	D	0	0
Transportation equipment	336	6,794	5,863	0	D	0	0	0	D	0	0
Aerospace products and parts	3364	6,337	5,406 r	0	D	0	0	0	D	0	0
Other transportation equipment	other 336	D	D	0	0	0	0	0	0	0	0
Furniture and related products	337	0	0	0	0	0	0	0	0	0	0
Miscellaneous manufacturing	339	15,775	15,156	D	D	0	0	0	0	0	0
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	2,312,408	1,864,665	97,982	83,159	14,911	6,451	4,276 r	234,731	4,778	D
Wholesale trade	42	111,545	82,001	D	0	0	0	0	D	0	0
Information	51	352,215	347,663	D	D	D	0	D	1,850	0	0

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Software publishers	5112	251,241	249,349	D	D	D	0	0	D	0	0
Information, excluding software publishers	51, excluding 5112	100,975	98,314	0	D	0	0	D	888	0	0
Architectural, engineering, and related services	5413	183,744	137,880	0	26,723 r	0	3,005 r	D	15,753	D	D
Computer systems design and related services	5415	590,910	526,582	D	25,085	D	D	D	34,358 r	0	0
Scientific research and development services	5417	1,073,994	770,537	89,957	29,778	14,300	3,373 r	D	156,759	4,688	D
Research and development in nanotechnology	541713	173,194	122,144	D	14,008	D	1,583 r	0	22,894	1,501 r	0
Research and development in biotechnology (except nanobiotechnology)	541714	390,300	303,746	16,885	6,127	7,803	D	0	51,691	2,249 r	D
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	487,094	329,317	61,409 r	9,643	4,787 r	1,401 r	D	79,447	938	0
Social sciences and humanities research and development	541720	9,144	7,446 r	0	0	0	0	0	D	0	0

D = withheld to avoid disclosing data for individual companies; data are included in higher-level totals. r = relative standard error &gt; 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&amp;D.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2019 Annual Business Survey: Data Year 2018.