

TABLE 6-2

Total R&D cost for companies with 1–4 employees, by selected industry and source of funds: 2017

(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	3,525,771	2,806,839	94,969	162,868	46,658	11,093	10,015	341,752	13,568	38,009
Manufacturing industries	31–33	471,715	404,529	1,664 r	12,146	2,872	371	2,556 r	40,874	1,142	5,561 r
Food, beverage, and tobacco products	311–12	7,401	7,401	0	0	0	0	0	0	0	0
Textile, apparel, and leather products	313–16	560 r	560 r	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
Pharmaceuticals and medicines	3254	64,315	59,397	0	386	S	S	2,556 r	743	S	S
Chemicals, excluding pharmaceuticals	325 (excluding 3254)	75,413	73,326	0	S	0	32 r	0	1,816	129 r	0
Plastics and rubber products	326	1,022	1,022	0	0	0	0	0	0	0	0
Nonmetallic mineral products	327	0	0	0	0	0	0	0	0	0	0
Primary metals	331	1,080 r	1,080 r	0	0	0	0	0	0	0	0
Fabricated metal products	332	4,264	4,264	0	0	0	0	0	0	0	0
Machinery	333	21,631	16,006	0	2,011 r	184 r	0	0	2,844 r	586 r	0
Computer and electronic products	334	199,930	163,004	S	6,712	1,985 r	263 r	0	22,413	S	5,197 r
Electrical equipment, appliances, and components	335	29,384	20,082	1,366 r	1,234 r	0	0	0	6,702 r	0	0
Transportation equipment	336	12,226	9,911	0	1,693 r	0	0	0	S	0	0
Furniture and related products	337	0	0	0	0	0	0	0	0	0	0
Miscellaneous manufacturing	339	54,487	48,474	0	0	0	0	0	5,735 r	S	249 r
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	3,054,056	2,402,309	93,306	150,722	43,786	10,722	7,459	300,878	12,426	32,449
Wholesale trade	42	35,943	23,967	6,929 r	S	4,406 r	552 r	0	0	0	0
Information	51	350,872	314,070	17,966	1,589 r	4,474	85 r	0	11,863 r	242 r	584 r
Software publishers	5112	245,797	224,341	7,846 r	682	3,560 r	85 r	0	8,456 r	242 r	584 r

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Information, excluding software publishers	51 (excluding 5112)	105,075	89,729	10,119 r	906 r	914 r	0	0	3,407 r	0	0
Architectural, engineering, and related services	5413	245,046	160,537	9,497 r	19,766	354	1,013 r	0	37,223 r	3,293	13,361 r
Computer systems design and related services	5415	1,336,568	1,152,707	7,805	84,716	26,012	1,823 r	4,286 r	44,104	2,093 r	13,022 r
Scientific research and development services	5417	1,085,628	751,028	51,108	44,563	8,540	7,248	3,173	207,688	6,798	5,482

r = relative standard error > 50%; S = data withheld to avoid disclosing operations of individual companies.

NAICS = 2017 North American Industry Classification System.

Note(s):

Detail may not add to total because of rounding. Industry classification is based on the 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 U.S. Census Bureau, Annual Business Survey, 2017.