

TABLE 5-2

Total R&D cost for companies with 1–4 employees, by selected industry and R&D program size: 2017

(Thousands of U.S. dollars)

Industry	NAICS code	R&D program size (total)				
		Total	\$50,000– \$100,000	\$100,000– \$499,999	\$500,000– \$999,999	\$1 million or more
All selected industries	31–33, 42, 51, 5413, 5415, 5417	3,525,771	261,757	1,423,727	858,342	981,945
Manufacturing industries	31–33	471,715	45,744	194,717	117,292	113,961
Food, beverage, and tobacco products	311–12	7,401	0	5,712 r	1,689 r	0
Textile, apparel, and leather products	313–16	560 r	560 r	0	0	0
Wood products	321	0	0	0	0	0
Paper	322	0	0	0	0	0
Printing and related support activities	323	0	0	0	0	0
Petroleum and coal products	324	0	0	0	0	0
Pharmaceuticals and medicines	3254	64,315	1,867 r	14,537	9,307 r	38,603 r
Chemicals, excluding pharmaceuticals	325 (excluding 3254)	75,413	5,428	17,005	33,214	19,765 r
Plastics and rubber products	326	1,022	609 r	413	0	0
Nonmetallic mineral products	327	0	0	0	0	0
Primary metals	331	1,080 r	0	1,080 r	0	0
Fabricated metal products	332	4,264	S	4,174	0	0
Machinery	333	21,631	6,430	12,939	2,262 r	0
Computer and electronic products	334	199,930	19,859	78,291	49,864	51,915 r
Electrical equipment, appliances, and components	335	29,384	735 r	27,143	0	S
Transportation equipment	336	12,226	2,440 r	6,372	S	S
Furniture and related products	337	0	0	0	0	0
Miscellaneous manufacturing	339	54,487	7,725	27,050	19,712 r	0
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	3,054,056	216,013	1,229,009	741,050	867,984
Wholesale trade	42	35,943	440 r	16,297	19,207 r	0
Information	51	350,872	20,340	126,506	71,648	132,377
Software publishers	5112	245,797	16,416	93,147	33,143	103,091 r
Information, excluding software publishers	51 (excluding 5112)	105,075	3,924	33,359	38,506	29,286
Architectural, engineering, and related services	5413	245,046	7,231	74,916	61,447	101,452
Computer systems design and related services	5415	1,336,568	160,786	717,999	333,130	124,652
Scientific research and development services	5417	1,085,628	27,216	293,292	255,617	509,503

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.