

TABLE 5-3

## Total R&amp;D cost for companies with 5–9 employees, by selected industry and R&amp;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	3,129,946	51,857	608,941	724,826	1,744,322
Manufacturing industries	31–33	280,177	8,628	82,084	69,493	119,971
Food, beverage, and tobacco products	311–12	2,735	r 0	357	r 0	S
Textile, apparel, and leather products	313–16	S	0	0	S	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	S	0	0	S	0
Pharmaceuticals and medicines	3254	39,030	S	4,470	r 3,719	r 30,738
Chemicals, excluding pharmaceuticals	325 (excluding 3254)	13,717	S	12,399	S	0
Plastics and rubber products	326	8,632	r S	2,040	r S	5,614
Nonmetallic mineral products	327	1,836	r 0	1,836	r 0	0
Primary metals	331	0	0	0	0	0
Fabricated metal products	332	S	S	0	0	0
Machinery	333	27,976	1,264	r 15,668	11,044	r 0
Computer and electronic products	334	144,870	4,324	33,653	44,588	62,305
Electrical equipment, appliances, and components	335	10,757	r 0	669	r 0	10,088
Transportation equipment	336	2,055	549	r S	S	0
Furniture and related products	337	0	0	0	0	0
Miscellaneous manufacturing	339	25,993	1,943	r 10,335	4,867	r 8,848
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	2,849,769	43,229	526,857	655,332	1,624,351
Wholesale trade	42	79,414	S	26,712	2,085	r 50,543
Information	51	388,034	3,778	94,496	101,456	188,304
Software publishers	5112	216,041	3,354	81,587	78,618	52,483
Information, excluding software publishers	51 (excluding 5112)	171,992	r 424	r 12,909	22,838	135,821
Architectural, engineering, and related services	5413	216,146	1,846	r 29,562	61,887	122,851
Computer systems design and related services	5415	904,128	33,298	283,554	276,828	310,447
Scientific research and development services	5417	1,262,048	4,232	92,534	213,077	952,205

r = relative standard error &gt; 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&amp;D.

**Source(s):**

National Center for Science and Engineering Statistics and U.S. Census Bureau, Annual Business Survey, 2017.