

TABLE 5-1

Total R&D cost for companies with 1–9 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	6,655,717	313,614	2,032,668	1,583,168	2,726,267
Manufacturing industries	31–33	751,892	54,372	276,801	186,786	233,932
Food, beverage, and tobacco products	311–12	10,136	0	6,068	1,689	S
Textile, apparel, and leather products	313–16	2,225	560	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	103,345	1,971	19,007	13,027	69,341
Chemicals, excluding pharmaceuticals	325 (excluding 3254)	89,130	5,544	29,405	34,416	19,765
Plastics and rubber products	326	9,654	787	2,453	S	5,614
Nonmetallic mineral products	327	1,836	0	1,836	0	0
Primary metals	331	1,080	0	1,080	0	0
Fabricated metal products	332	4,414	240	4,174	0	0
Machinery	333	49,607	7,694	28,607	13,306	0
Computer and electronic products	334	344,800	24,183	111,944	94,452	114,220
Electrical equipment, appliances, and components	335	40,142	735	27,812	0	11,594
Transportation equipment	336	14,281	2,989	7,028	2,092	S
Furniture and related products	337	0	0	0	0	0
Miscellaneous manufacturing	339	80,481	9,668	37,385	24,579	8,848
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	5,903,825	259,242	1,755,867	1,396,382	2,492,335
Wholesale trade	42	115,357	514	43,009	21,292	50,543
Information	51	738,905	24,118	221,002	173,104	320,681
Software publishers	5112	461,838	19,770	174,734	111,760	155,574
Information, excluding software publishers	51 (excluding 5112)	277,067	4,348	46,268	61,344	165,107
Architectural, engineering, and related services	5413	461,192	9,077	104,478	123,334	224,304
Computer systems design and related services	5415	2,240,695	194,084	1,001,553	609,958	435,100
Scientific research and development services	5417	2,347,675	31,448	385,825	468,694	1,461,708

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.