

Table 3**Total R&D cost for companies with 1–9 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	6,655,717	5,345,991	195,846	235,492	73,188	17,742	15,548	697,014	21,483	53,412
Manufacturing industries	31–33	751,892	649,155	8,233	17,765	2,940	722	2,556	63,218	1,664	5,639
Food, beverage, and tobacco products	311–12	10,136	10,136	0	0	0	0	0	0	0	0
Textile, apparel, and leather products	313–16	2,225	2,225	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	S	0	0	0	0	0	0	S	0	0
Pharmaceuticals and medicines	3254	103,345	90,699	1,793	5,598	S	S	2,556	1,466	S	S
Chemicals, excluding pharmaceuticals	325 (excluding 3254)	89,130	86,141	0	S	S	40	0	2,643	129	0
Plastics and rubber products	326	9,654	9,654	0	0	0	0	0	0	0	0
Nonmetallic mineral products	327	1,836	1,340	0	S	0	0	0	S	0	0
Primary metals	331	1,080	1,080	0	0	0	0	0	0	0	0
Fabricated metal products	332	4,414	4,414	0	0	0	0	0	0	0	0
Machinery	333	49,607	42,781	0	2,305	184	343	0	3,236	758	0
Computer and electronic products	334	344,800	283,410	5,074	6,813	1,985	263	0	41,571	408	5,276
Electrical equipment, appliances, and components	335	40,142	30,839	1,366	1,234	0	0	0	6,702	0	0
Transportation equipment	336	14,281	11,966	0	1,693	0	0	0	S	0	0
Furniture and related products	337	0	0	0	0	0	0	0	0	0	0
Miscellaneous manufacturing	339	80,481	74,467	0	0	0	0	0	5,735	S	249
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	5,903,825	4,696,836	187,613	217,727	70,248	17,020	12,992	633,796	19,819	47,773
Wholesale trade	42	115,357	102,099	6,929	S	4,437	552	0	947	305	0
Information	51	738,905	693,570	17,980	2,530	4,945	85	0	18,970	242	584

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Software publishers	5112	461,838	438,435	7,860	1,624	4,031	85	0	8,977	242	584
Information, excluding software publishers	51 (excluding 5112)	277,067	255,135	10,119	906	914	0	0	9,993	0	0
Architectural, engineering, and related services	5413	461,192	279,823	15,939	27,604	8,426	3,406	0	106,732	5,901	13,361
Computer systems design and related services	5415	2,240,695	2,015,120	13,750	95,499	27,349	1,973	4,746	57,481	2,252	22,527
Scientific research and development services	5417	2,347,675	1,606,224	133,015	92,006	25,093	11,005	8,246	449,666	11,120	11,302

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 based on dominant establishment payroll. Statistics are representative of microbusinesses 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.