

TABLE 10

Total sales and R&D as a percentage of total sales for companies with 1–9 employees, by selected industry and company size: 2017

(Thousands of U.S. dollars and percent)

Industry	NAICS code	All companies		1–4 employees		5–9 employees	
		Total sales	R&D as percentage of total sales	Total sales	R&D as percentage of total sales	Total sales	R&D as percentage of total sales
All selected industries	31–33, 42, 51, 5413, 5415, 5417	18,204,887	37	9,042,681	39	9,162,205	34
Manufacturing industries	31–33	4,192,283	18	2,267,847	21	1,924,435	15
Food, beverage, and tobacco products	311–12	108,793	9	99,262	8	9,531	29
Textile, apparel, and leather products	313–16	15,954	14	13,231	4	S	S
Wood products	321	0	0	0	0	0	0
Paper	322	0	0	0	0	0	0
Printing and related support activities	323	0	0	0	0	0	0
Petroleum and coal products	324	0	0	0	0	0	0
Pharmaceuticals and medicines	3254	270,946	38	122,492	52	148,454	26
Chemicals, excluding pharmaceuticals	325 (excluding 3254)	1,024,710	9	533,174	14	491,536	3
Plastics and rubber products	326	66,610	14	18,762	5	47,848	18
Nonmetallic mineral products	327	9,487	19	0	0	9,487	19
Primary metals	331	2,306	47	2,306	47	0	0
Fabricated metal products	332	13,107	34	12,901	33	S	S
Machinery	333	447,446	11	192,307	11	255,139	11
Computer and electronic products	334	1,686,095	20	903,654	22	782,442	18
Electrical equipment, appliances, and components	335	160,184	25	135,866	22	24,319	44
Transportation equipment	336	83,480	17	70,675	17	12,805	16
Furniture and related products	337	0	0	0	0	0	0
Miscellaneous manufacturing	339	303,163	26	163,217	33	139,947	19
Selected nonmanufacturing industries	42, 51, 5413, 5415, 5417	14,012,604	42	6,774,834	45	7,237,770	39
Wholesale trade	42	1,093,238	11	514,402	7	578,836	14
Information	51	1,935,354	38	760,938	46	1,174,416	33
Software publishers	5112	1,365,323	34	554,250	44	811,073	27
Information, excluding software publishers	51 (excluding 5112)	570,031	49	206,688	51	363,343	47
Architectural, engineering, and related services	5413	835,848	55	398,501	62	437,347	49
Computer systems design and related services	5415	7,412,527	30	3,963,575	34	3,448,952	26
Scientific research and development services	5417	2,735,638	86	1,137,418	95	1,598,220	79

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.