

TABLE 5

Annual Business Survey aggregate R&D estimates, by questionnaire reference and employment size, for companies with R&D expenditures and 1–9 employees in selected industries: 2019

(Thousands of U.S. dollars)

Company and financial information	All companies	1–4 employees	5–9 employees
Number of companies	15,401	9,774	5,627
Total R&D cost	7,245,649	3,215,024	4,030,625
Foreign R&D costs	929,337	363,152	566,185
Domestic R&D costs	6,316,312	2,851,872	3,464,440
Domestic R&D costs for salaries, wages, and benefits	3,494,058	1,496,901	1,997,157
Domestic R&D costs for expensed machinery and equipment (not capitalized)	169,003	88,012	80,991
Domestic R&D costs for materials and supplies	512,106	238,522	273,584
Domestic R&D costs for payments to others for R&D	1,097,401	501,550	595,851
Domestic R&D costs for depreciation on R&D property and equipment	73,745	23,391	50,354
Domestic R&D costs for other costs	969,999	503,496	466,503
Domestic R&D performance	5,218,911	2,350,322	2,868,589
Domestic R&D performance paid for by the company	4,109,445	1,868,086	2,241,358
Domestic R&D performance paid for by foreign owner	114,719	50,600	64,119
Domestic R&D performance paid for by another U.S. business	211,608	122,427	89,181
Domestic R&D performance paid for other businesses located outside the United States	22,991	9,628	r 13,363
Domestic R&D performance paid for by U.S. university or college	12,065	4,702	7,362
Domestic R&D performance paid for by U.S. nonprofit organization	9,387	4,244	5,143
Domestic R&D performance paid for by U.S. federal government	712,053	276,329	435,723
Domestic R&D performance paid for by U.S. state or local government	22,908	13,349	9,559
Domestic R&D performance paid for by all other organizations outside the United States	3,736	956	r 2,780
Domestic R&D performance for basic research	342,418	137,509	204,909
Domestic R&D performance for applied research	2,145,921	948,978	1,196,943
Domestic R&D performance for development	2,730,571	1,263,835	1,466,736

r = relative standard error > 50%.

Note(s):

Detail may not add to total because of rounding. Statistics are representative of companies located in the United States that performed or funded R&D. Selected industries include 2017 North American Industry Classification System sectors 31, 32, 33, 42, and 51 and industries 5413, 5415, and 5417.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, 2020 Annual Business Survey: Data Year 2019.