

TABLE 1

Annual Business Survey aggregate R&D estimates, by questionnaire reference and by employment size, for companies with 1–9 employees in selected industries: 2020

(Thousands of U.S. dollars)

Company and financial information	All companies	1–4 employees	5–9 employees	
Number of companies	15,868	10,225	5,644	
Total R&D cost	7,522,839	3,623,592	3,899,247	
Foreign R&D costs	778,949	472,583	306,366	
Domestic R&D costs	6,743,889	3,151,009	3,592,881	
Domestic R&D costs for salaries, wages, and benefits	3,511,467	1,573,342	1,938,125	
Domestic R&D costs for expensed machinery and equipment (not capitalized)	257,555	76,780	180,775	
Domestic R&D costs for materials and supplies	679,075	257,179	421,896	
Domestic R&D costs for payments to others for R&D	1,143,221	636,644	506,577	
Domestic R&D costs for depreciation on R&D property and equipment	69,798	24,782	45,016	
Domestic R&D costs for other costs	1,082,773	582,282	500,491	
Domestic R&D performance	5,600,668	2,514,365	3,086,303	
Domestic R&D performance paid for by the company	4,274,137	1,925,583	2,348,554	
Domestic R&D performance paid for by foreign owner	140,976	32,340	108,635	
Domestic R&D performance paid for by another U.S. business	202,765	100,172	102,592	
Domestic R&D performance paid for by other businesses located outside the United States	18,505	8,717	9,788	
Domestic R&D performance paid for by U.S. university or college	26,135	r 5,006	21,128	r
Domestic R&D performance paid for by U.S. nonprofit organization	14,335	8,110	r 6,225	
Domestic R&D performance paid for by U.S. federal government	867,027	390,060	476,968	
Domestic R&D performance paid for by U.S. state or local government	42,281	32,982	9,299	
Domestic R&D performance paid for by all other organizations outside the United States	14,508	11,394	r 3,113	
Domestic R&D performance for basic research	353,143	165,439	187,704	
Domestic R&D performance for applied research	2,282,934	1,001,496	1,281,438	
Domestic R&D performance for development	2,964,591	1,347,430	1,617,161	

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, 2021 Annual Business Survey: Data Year 2020.