

TABLE 1

Annual Business Survey aggregate R&D estimates, by questionnaire reference and employment size, for companies with 1–9 employees in selected industries: 2021

(Thousands of U.S. dollars)

Company and financial information	All companies	1–4 employees	5–9 employees
Number of companies	15,855	9,993	5,861
Total R&D cost	8,131,847	3,659,817	4,472,030
Foreign R&D costs	877,630	489,208	388,422
Domestic R&D costs	7,254,217	3,170,609	4,083,608
Domestic R&D costs for salaries, wages, and fringe benefits	4,036,146	1,660,533	2,375,613
Domestic R&D costs for expensed machinery and equipment (not capitalized)	199,530	78,328	121,202
Domestic R&D costs for materials and supplies	573,007	230,443	342,565
Domestic R&D costs for payments to others for R&D	1,129,548	579,812	549,737
Domestic R&D costs for depreciation on R&D property and equipment	74,926	26,770	48,156
Domestic R&D costs for other costs	1,241,060	594,723	646,336
Domestic R&D performance	6,124,669	2,590,797	3,533,871
Domestic R&D performance paid for by the company	4,550,744	1,980,752	2,569,991
Domestic R&D performance paid for by foreign owner	179,119	59,662	119,457
Domestic R&D performance paid for by another U.S. business	270,888	135,905	134,983
Domestic R&D performance paid for by other businesses located outside the United States	16,580	11,384	5,196
Domestic R&D performance paid for by U.S. university or college	7,685	6,383	1,302
Domestic R&D performance paid for by U.S. nonprofit organization	26,720	11,660	r 15,061
Domestic R&D performance paid for by U.S. federal government	1,004,852	340,324	664,528
Domestic R&D performance paid for by U.S. state or local government	63,157	42,372	20,785
Domestic R&D performance paid for by all other organizations outside the United States	4,923	2,355	r 2,568
Domestic R&D performance for basic research	715,225	329,829	385,395
Domestic R&D performance for applied research	2,221,924	869,487	1,352,437
Domestic R&D performance for development	3,187,520	1,391,481	1,796,039

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 the 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, 2022 Annual Business Survey: Data Year 2021.