

Table 1. Funds spent for business R&D performed in the United States, by type of R&D, source of funds, and size of company: 2021–24

(Millions of dollars)

Selected characteristic and company size	2021	2022	2023	2024
Domestic R&D performance ^a	602,499	691,547	721,792	765,082
Type of R&D ^b				
Basic research	40,130	42,957	43,465	40,530
Applied research	86,485	100,654	109,927	116,358
Development	475,884	547,935	568,401	608,194
Paid for by the company ^c	527,804	608,058	635,478	679,371
Basic research	32,763	35,918	36,926	34,856
Applied research	69,130	80,834	89,755	95,812
Development	425,912	491,307	508,797	548,704
Paid for by others	74,695	83,489	86,314	85,711
Basic research	7,367	7,040	6,539	5,674
Applied research	17,355	19,821	20,172	20,546
Development	49,972	56,629	59,603	59,490
Source of funds				
Federal	23,582	31,626	32,008	30,995
Other ^d	51,113	51,863	54,306	54,716
Size of company (number of domestic employees)				
Small companies ^e				
10–19	5,477	5,277	5,808	4,790
20–49	15,061	14,695	14,520	16,179
Medium companies				
50–99	14,540	15,265	15,626	17,078
100–249	24,023	27,847	30,641	29,325
Large companies				
250–499	23,932	29,549	29,635	28,852
500–999	27,432	31,802	33,973	44,697
1,000–4,999	94,615	104,505	124,027	123,813
5,000–9,999	62,817	58,709	60,151	62,950
10,000–24,999	104,607	121,142	126,138	140,348
25,000 or more	229,995	282,756	281,273	297,050

i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

^a Domestic R&D performance includes both the cost of R&D paid for and performed by the respondent company as well as the cost of R&D paid for by others outside of the company and performed by the respondent company.^b R&D comprises creative and systematic work undertaken in order to increase the stock of knowledge and to devise new applications of available knowledge. This includes (1) activities aimed at acquiring new knowledge or understanding without specific immediate commercial applications or uses (basic research), (2) activities aimed at solving a specific problem or meeting a specific commercial objective (applied research), and (3) systematic work, drawing on research and practical experience and resulting in additional knowledge, which is directed to producing new processes or to improving existing products—goods or services—or processes (development).^c Paid for by the company includes foreign subsidiaries of U.S. companies.^d Other includes companies located inside and outside the United States; U.S. state government agencies and laboratories; U.S. universities, colleges, and academic researchers; and all other organizations located inside and outside the United States.^e Small company includes only companies with 10 or more domestic employees.**Note(s):**

Detail may not add to total because of rounding.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey.