

Table RD-12

Funds spent for business R&D performed in the United States, by size of company: 2010–19

(Millions of dollars and percent share)

Size of company (number of domestic employees)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Millions of dollars										
All business domestic R&D ^a	278,977	294,092	302,251	322,528	340,728	355,821	379,529	405,792	445,563	498,175
Micro companies ^b										
1–4	NA	NA	NA	NA	NA	NA	4,843	NA	1,891	2,350
5–9	3,851	4,202	2,926 i	3,402 i	3,295 i	2,988 i	1,581 i	NA	2,636	2,869
1–9	NA	NA	NA	NA	NA	NA	NA	5,691	4,527	5,219
Small companies										
10–24 ^c	8,722	6,779	6,915 i	6,895 i	7,177 i	NA	NA	NA	NA	NA
25–49	8,624	10,861	7,195 i	7,941 i	8,428 i	NA	NA	NA	NA	NA
10–19 ^c	NA	NA	NA	NA	NA	5,680 i	4,958 i	3,311	4,390	5,501
20–49 ^c	NA	NA	NA	NA	NA	10,249 i	9,662 i	9,435	11,252	12,418
Medium companies										
50–99	8,855	9,468	9,182 i	8,910	10,178 i	11,509	9,298	10,141	12,321	14,021
100–249	11,866	12,528	12,480	13,666	13,492	13,602	14,875	17,216	18,547	19,793
Large companies										
250–499	10,283	12,955	11,264	12,189	12,203	13,553	13,092	14,103	19,645	18,883
500–999	10,116	10,027	11,484	12,002	13,262	15,217	14,450	17,871	17,657	23,969
1,000–4,999	48,227	50,485	50,691	55,517	57,551	58,094	63,971	65,112	68,578	75,671
5,000–9,999	27,463	24,951	30,483	31,514	38,202	38,838	40,633	40,198	45,337	50,811
10,000–24,999	41,835	49,214	49,493	51,218	54,445	59,328	65,594	73,485	84,420	88,263
25,000 or more	99,133	102,623	110,138	119,275	122,495	126,763	136,571	149,227	158,889	183,626
Percentage of all business R&D										
All business domestic R&D ^a	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Micro companies ^b										
1–4	NA	NA	NA	NA	NA	NA	1.3	NA	0.4	0.5
5–9	1.4	1.4	1.0	1.1	1.0	0.8	0.4	NA	0.6	0.6
1–9	NA	NA	NA	NA	NA	NA	NA	1.4	1.0	1.0
Small companies										
10–24 ^c	3.1	2.3	2.3	2.1	2.1	NA	NA	NA	NA	NA
25–49	3.1	3.7	2.4	2.5	2.5	NA	NA	NA	NA	NA
10–19 ^c	NA	NA	NA	NA	NA	1.6	1.3	0.8	1.0	1.1
20–49 ^c	NA	NA	NA	NA	NA	2.9	2.5	2.3	2.5	2.5
Medium companies										
50–99	3.2	3.2	3.0	2.8	3.0	3.2	2.4	2.5	2.8	2.8
100–249	4.3	4.3	4.1	4.2	4.0	3.8	3.9	4.2	4.2	4.0
Large companies										
250–499	3.7	4.4	3.7	3.8	3.6	3.8	3.4	3.5	4.4	3.8
500–999	3.6	3.4	3.8	3.7	3.9	4.3	3.8	4.4	4.0	4.8
1,000–4,999	17.3	17.2	16.8	17.2	16.9	16.3	16.9	16.0	15.4	15.2
5,000–9,999	9.8	8.5	10.1	9.8	11.2	10.9	10.7	9.9	10.2	10.2
10,000–24,999	15.0	16.7	16.4	15.9	16.0	16.7	17.3	18.1	18.9	17.7
25,000 or more	35.5	34.9	36.4	37.0	36.0	35.6	36.0	36.8	35.7	36.9

i = more than 50% of value imputed; NA = not available.

^a R&D performed by companies in the domestic United States. Includes industries in NAICS 21–33, 42–81.

^b Data for 2010–15 come from the National Center for Science and Engineering Statistics' (NCSES's) annual Business Research and Development and Innovation Survey (BRDIS), which covered all publicly or privately held companies with 5 or more employees. Data for 2016 included the BRDIS data for that year plus the data from the 2016 Business R&D and Innovation Survey–Microbusiness, which collected statistics on the R&D activities of companies with 1–4 employees (\$4.8 billion in 2016). Data for 2017 and 2018 come from NCSES's annual Business Research and Development Survey, which covers all publicly or privately held companies with 10 or more employees, plus the Annual Business Surveys (ABS) for 2017 and 2018, which collected statistics on the R&D activities of businesses with 1–9 employees (\$5.7 billion in 2017 and \$4.5 billion in 2018). Data for 2019 come from NCSES's annual Business Enterprise Research and Development Survey, which covers all publicly or privately held companies with 10 or more employees, plus the ABS for 2019, which collected statistics on the R&D activities of businesses with 1–9 employees (\$5.2 billion in 2019).

^c Employee size categories have been revised to match international classifications starting in 2015.

Note(s):

Detail may not add to total because of rounding. This table excludes data for federally funded R&D centers.

Source(s):

National Center for Science and Engineering Statistics, Business Research and Development and Innovation Survey (BRDIS), Business Research and Development Survey (BRDS), Business Enterprise Research and Development Survey (BERD), Business Research and Development and Innovation Survey–Microbusiness (BRDI-M), Annual Business Survey (ABS), data years 2017 and 2018, and special tabulations (2022) of the ABS, data year 2019.

Science and Engineering Indicators