

TABLE 4-11

Funds spent for business R&D performed in the United States: Selected years, 2010–17

(Millions of dollars and percent share)

Sector	2010	2012	2014	2015	2016	2017
	\$millions					
U.S. total R&D	406,580	433,619	475,418	493,687	515,305	542,222
All business R&D ^a	278,977	302,250	340,728	355,821	374,685	400,100
Paid for by the company	221,706	247,280	282,570	296,677	317,731	339,036
From company-owned, U.S.-located units	218,187	242,674	277,272	289,892	306,611	319,796
From foreign subsidiaries	3,519	4,606	5,298	6,785	11,120	19,240
Paid for by others	57,271	54,970	58,158	59,144	56,954	61,065
Federal	34,199	30,621	26,554	26,990	23,772	24,277
Domestic companies	11,013	11,624	13,227	14,595	14,239	17,494
Foreign companies	11,015	12,093	17,246	16,317	17,692	18,404
Foreign parent ^b	7,102	8,486	13,407	12,579	14,766	15,426
Unaffiliated companies	3,913	3,607	3,839	3,738	2,926	2,978
All other organizations ^c	1,044	632	1,131	1,242	1,249	890
	Source of funds as a percentage of all business R&D					
All business R&D ^a	100.0	100.0	100.0	100.0	100.0	100.0
Paid for by the company	79.5	81.8	82.9	83.4	84.8	84.7
From company-owned, U.S.-located units	78.2	80.3	81.4	81.5	81.8	79.9
From foreign subsidiaries	1.3	1.5	1.6	1.9	3.0	4.8
Paid for by others	20.5	18.2	17.1	16.6	15.2	15.3
Federal	12.3	10.1	7.8	7.6	6.3	6.1
Domestic companies	3.9	3.8	3.9	4.1	3.8	4.4
Foreign companies	3.9	4.0	5.1	4.6	4.7	4.6
Foreign parent ^b	2.5	2.8	3.9	3.5	3.9	3.9
Unaffiliated companies	1.4	1.2	1.1	1.1	0.8	0.7
All other organizations ^c	0.4	0.2	0.3	0.3	0.3	0.2

^a Includes companies located in the United States that performed or funded R&D. Data in this table represent an aggregate of all industries in the North American Industry Classification System codes 21–33 and 42–81.

^b Includes foreign parent companies of U.S. subsidiaries.

^c Includes U.S. state government agencies and laboratories, foreign agencies and laboratories, and all other organizations located inside and outside the United States.

Note(s)

Detail may not add to total because of rounding. Industry classification was based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. This table excludes data for federally funded R&D centers.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, Business R&D and Innovation Survey (BRDIS), Business Research and Development Survey (BRDS) (annual series).