

TABLE 4-1

U.S. R&D expenditures, by performing sector and source of funds: 2010–17

(Millions of current and constant 2012 dollars)

Sector	2010	2011	2012	2013	2014	2015	2016	2017 ^a
Current \$millions								
All performing sectors	406,579	426,160	433,619	453,966	475,425	493,684	515,641	547,886
Business	278,977	294,092	302,251	322,528	340,728	355,821	374,685	400,101
Federal government	50,798	53,524	52,144	51,086	52,687	52,847	51,187	52,553
Federal intramural ^b	31,970	34,950	34,017	33,406	34,783	34,199	31,762	32,231
FFRDCs	18,828	18,574	18,128	17,680	17,903	18,649	19,424	20,322
Nonfederal government	691	694	665	620	583	595	622	641
Higher education	58,083	60,088	60,896	61,547	62,349	64,623	67,800	71,251
Other nonprofit organizations ^c	18,030	17,762	17,664	18,185	19,078	19,798	21,347	23,340
All funding sources	406,579	426,160	433,619	453,966	475,425	493,684	515,641	547,886
Business	248,124	266,422	275,718	297,168	318,383	333,208	355,545	381,137
Federal government	126,616	127,014	123,837	120,130	118,365	119,524	116,492	120,961
Nonfederal government	4,303	4,386	4,158	4,244	4,214	4,267	4,481	4,582
Higher education	12,262	13,103	14,300	15,378	16,210	17,299	18,484	19,723
Other nonprofit organizations ^c	15,275	15,235	15,607	17,046	18,254	19,386	20,640	21,482
Constant 2012 \$millions								
All performing sectors	423,033	434,334	433,619	446,136	458,735	471,444	487,370	508,272
Business	290,267	299,733	302,251	316,965	328,767	339,792	354,142	371,173
Federal government	52,854	54,551	52,144	50,205	50,837	50,467	48,380	48,753
Federal intramural ^b	33,264	35,621	34,017	32,830	33,562	32,658	30,021	29,901
FFRDCs	19,590	18,930	18,128	17,375	17,275	17,809	18,359	18,852
Nonfederal government	719	707	665	609	563	568	588	594
Higher education	60,434	61,240	60,896	60,485	60,160	61,712	64,083	66,099
Other nonprofit organizations ^c	18,760	18,103	17,664	17,871	18,408	18,906	20,177	21,653
All funding sources	423,033	434,334	433,619	446,136	458,735	471,444	487,370	508,272
Business	258,165	271,531	275,718	292,043	307,206	318,197	336,051	353,580
Federal government	131,740	129,450	123,837	118,058	114,209	114,140	110,105	112,215
Nonfederal government	4,477	4,471	4,158	4,171	4,066	4,075	4,235	4,251
Higher education	12,758	13,354	14,300	15,112	15,640	16,520	17,470	18,297
Other nonprofit organizations ^c	15,893	15,528	15,607	16,752	17,614	18,513	19,508	19,929

FFRDC = federally funded research and development center.

^a Some data for 2017 are preliminary and may later be revised.^b Includes expenditures of federal intramural R&D, as well as costs associated with administering extramural R&D procurements.^c Some components of the R&D performed by other nonprofit organizations are projected and may later be revised.**Note(s)**

Data are based on annual reports by performers, except for the nonprofit sector. Expenditure levels for higher education, federal government, and nonfederal government performers are calendar year approximations based on fiscal year data.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, National Patterns of R&D Resources (annual series).