

TABLE 4-1

U.S. R&D expenditures, by performing sector and source of funds: 2008–15

(Millions of current and constant 2009 dollars)

Sector	2008	2009	2010	2011	2012	2013	2014	2015 ^a
Current \$millions								
All performing sectors	404,773	402,931	406,580	426,160	433,619	453,964	475,426	495,144
Business	290,680	282,393	278,977	294,092	302,251	322,528	340,728	355,821
Federal government	45,649	47,572	50,798	53,524	52,144	51,086	52,687	54,322
Federal intramural ^b	29,839	30,560	31,970	34,950	34,017	33,406	34,783	35,673
FFRDCs	15,810	17,013	18,828	18,574	18,128	17,680	17,903	18,649
Nonfederal government	491	606	691	694	665	620	583	610
Higher education	52,054	54,909	58,084	60,089	60,896	61,546	62,354	64,653
Other nonprofit organizations ^c	15,898	17,452	18,030	17,762	17,663	18,185	19,075	19,738
All funding sources	404,773	402,931	406,580	426,160	433,619	453,964	475,426	495,144
Business	258,016	246,610	248,124	266,421	275,717	297,167	318,382	333,207
Federal government	117,615	125,765	126,617	127,015	123,838	120,130	118,363	120,933
Nonfederal government	4,221	4,295	4,302	4,386	4,158	4,244	4,214	4,280
Higher education	11,738	12,056	12,262	13,104	14,300	15,378	16,217	17,334
Other nonprofit organizations ^c	13,184	14,205	15,275	15,235	15,607	17,045	18,250	19,390
Constant 2009 \$millions								
All performing sectors	407,848	402,931	401,673	412,503	412,127	424,610	436,844	450,080
Business	292,888	282,393	275,610	284,667	287,271	301,673	313,077	323,437
Federal government	45,995	47,572	50,185	51,809	49,560	47,783	48,411	49,378
Federal intramural ^b	30,066	30,560	31,584	33,830	32,331	31,246	31,961	32,427
FFRDCs	15,930	17,013	18,601	17,978	17,229	16,537	16,451	16,951
Nonfederal government	495	606	683	672	632	580	536	555
Higher education	52,450	54,909	57,383	58,163	57,877	57,566	57,293	58,768
Other nonprofit organizations ^c	16,019	17,452	17,812	17,193	16,788	17,009	17,527	17,942
All funding sources	407,848	402,931	401,673	412,503	412,127	424,610	436,844	450,080



Sector	2008	2009	2010	2011	2012	2013	2014	2015 ^a
Business	259,975	246,610	245,129	257,883	262,051	277,952	292,544	302,881
Federal government	118,508	125,765	125,089	122,944	117,700	112,363	108,758	109,927
Nonfederal government	4,253	4,295	4,250	4,245	3,952	3,970	3,872	3,890
Higher education	11,827	12,056	12,114	12,684	13,591	14,383	14,901	15,756
Other nonprofit organizations ^c	13,284	14,205	15,091	14,747	14,833	15,943	16,769	17,625

FFRDC = federally funded research and development center.

^a Some data for 2015 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.

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

Science and Engineering Indicators 2018