Table 1. Higher education R&D expenditures, by source of funds: FYs 1953–2025

(Dollars in millions)

Fiscal year	All R&D expenditures[a]	Source of funds				
		Federal government	State and local government	Institution funds	Business	All other sources[b]
1953[c]	255	138	37	35	19	26
1954	290	160	42	38	22	28
1955[c]	312	169	47	41	25	30
1956[c]	372	213	53	43	29	34
1957[c]	410	229	60	49	34	38
1958	456	254	68	53	39	42
1959[c]	526	306	76	58	39	47
1960[c]	646	405	85	64	40	52
1961[c]	763	500	95	70	40	58
1962[c]	904	613	106	79	40	66
1963[c]	1,081	760	118	89	41	73
1964	1,275	917	132	103	40	83
1965[c]	1,474	1,073	143	124	41	93
1966	1,715	1,261	156	148	42	108
1967[c]	1,921	1,409	164	181	48	119
1968	2,149	1,572	172	218	55	132
1969[c]	2,225	1,600	197	223	60	145
1970	2,335	1,647	219	243	61	165
1971[c]	2,500	1,724	255	274	70	177
1972	2,630	1,795	270	305	74	187
1973	2,884	1,985	295	318	84	202
1974	3,023	2,032	307	370	96	218
1975	3,409	2,288	332	417	113	259
1976	3,729	2,512	364	446	123	285
1977	4,067	2,726	374	514	139	314
1978[d]	4,625	3,059	414	623	170	359
1979	5,366	3,598	472	735	193	368
1980	6,063	4,098	491	835	236	403
1981	6,847	4,571	546	1,004	291	435
1982	7,324	4,768	616	1,111	337	491
1983	7,882	4,989	626	1,302	389	576
1984	8,620	5,431	690	1,411	475	613
1985	9,687	6,064	752	1,617	560	694
1986	10,928	6,712	915	1,869	700	732
1987	12,153	7,343	1,023	2,168	790	828
1988	13,463	8,193	1,106	2,356	872	935
1989	14,979	8,993	1,224	2,698	994	1,071
1990	16,290	9,640	1,324	3,006	1,127	1,191
1991	17,589	10,238	1,474	3,367	1,204	1,307
1992	18,821	11,095	1,491	3,548	1,279	1,409
1993	19,954	11,960	1,559	3,589	1,360	1,486
1994	21,035	12,654	1,555	3,828	1,423	1,575
1995	22,179	13,337	1,690	4,048	1,489	1,614
1996	23,055	13,847	1,812	4,172	1,606	1,619
1997	24,380	14,321	1,910	4,699	1,737	1,712
1998	25,867	15,159	1,945	5,004	1,889	1,871
1999	27,544	16,112	2,022	5,382	2,033	1,995
2000	30,084	17,548	2,200	5,925	2,156	2,255
2001	32,801	19,227	2,320	6,614	2,218	2,422
2002	36,383	21,856	2,504	7,133	2,191	2,698

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(Dollars in millions)

Fiscal year	All R&D expenditures[a]	Source of funds				
		Federal government	State and local government	Institution funds	Business	All other sources[b]
2003[e]	41,470	25,307	2,645	7,663	2,161	2,856
2004[e]	44,839	28,304	2,879	7,752	2,129	2,851
2005[e]	47,535	29,957	2,940	8,265	2,291	3,092
2006[e]	49,645	30,909	2,966	9,062	2,401	3,198
2007[e]	51,590	31,241	3,151	9,718	2,675	3,521
2008[e]	54,114	32,101	3,438	10,378	2,869	3,916
2009[e]	57,288	33,443	3,647	11,148	3,197	4,294
2010	61,287	37,478	3,887	11,943	3,202	4,777
2011	65,274	40,768	3,851	12,580	3,183	4,892
2012	65,874	40,216	3,744	13,627	3,279	5,008
2013	67,110	39,510	3,706	14,940	3,515	5,440
2014	67,315	38,031	3,916	15,745	3,734	5,889
2015	68,665	37,911	3,864	16,609	4,009	6,273
2016	71,881	38,856	4,053	17,912	4,220	6,839
2017	75,294	40,319	4,186	18,887	4,440	7,462
2018	79,177	41,934	4,326	20,222	4,726	7,970
2019	83,647	44,538	4,520	21,115	5,066	8,407
2020	86,448	46,184	4,603	22,024	5,189	8,446
2021	89,846	49,195	4,752	22,480	5,123	8,296
2022	97,851	54,056	4,918	24,546	5,706	8,625
2023	108,864	59,683	5,451	27,690	6,230	9,809
2024	117,666	64,702	6,075	30,150	6,359	10,381
2025	124,425	67,446	6,896	32,625	6,388	11,069

S&E = science and engineering.

[a] Totals for FYs 1953–2002 represent R&D expenditures in S&E fields only. From FY 2003 through FY 2009, some institution totals for all R&D expenditures may be lower-bound estimates because the National Center for Science and Engineering Statistics did not attempt to estimate for nonresponse on the non-S&E R&D expenditures item prior to FY 2010.

[b] Prior to FY 2010, R&D expenditures from nonprofit organizations were collected under all other sources. Beginning in FY 2010, these data were collected separately, and FY 2025 data included $7,164 million in R&D expenditures from nonprofit sources.

[c] Data are estimated based on data collected in surrounding years. Between FY 1953 and FY 1971, surveys were conducted only for FY 1954, FY 1958, FY 1964, FY 1966, FY 1968, and FY 1970.

[d] FY 1978 data are estimated based on data collected from doctorate-granting institutions only.

[e] Source of funds detail data do not sum to total for FYs 2003–09 because data by source were collected for S&E fields only. Total non-S&E expenditures were collected in a separate item.

Note(s):
Because of rounding, detail may not add to total.

Source(s):
National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.