

TABLE 1. Higher education R&D expenditures, by source of funds and R&D field: FY 1953–2010  
(Dollars in millions)

R&D field and fiscal year	All R&D expenditures	Source of funds				
		Federal government	State and local government	Business	Institution funds	All other sources <sup>a</sup>
Total, S&E and non-S&E <sup>b</sup>						
2003	41,470	25,307	na	na	na	na
2004	44,839	28,304	na	na	na	na
2005	47,535	29,957	na	na	na	na
2006	49,645	30,909	na	na	na	na
2007	51,590	31,241	na	na	na	na
2008	54,114	32,101	na	na	na	na
2009	57,289	33,443	na	na	na	na
2010	61,235	37,488	3,854	3,209	11,897	4,787
Total, non-S&E <sup>b</sup>						
2003	1,393	554	na	na	na	na
2004	1,601	677	na	na	na	na
2005	1,761	770	na	na	na	na
2006	1,887	777	na	na	na	na
2007	2,095	810	na	na	na	na
2008	2,242	829	na	na	na	na
2009	2,425	866	na	na	na	na
2010	2,897	984	248	80	1,255	329
Total, S&E						
1953	255	138	37	19	35	26
1954	290	160	42	22	38	28
1955	312	169	47	25	41	30
1956	372	213	53	29	43	34
1957	410	229	60	34	49	38
1958	456	254	68	39	53	42
1959	526	306	76	39	58	47
1960	646	405	85	40	64	52
1961	763	500	95	40	70	58
1962	904	613	106	40	79	66
1963	1,081	760	118	41	89	73
1964	1,275	917	132	40	103	83
1965	1,474	1,073	143	41	124	93
1966	1,715	1,261	156	42	148	108
1967	1,921	1,409	164	48	181	119
1968	2,149	1,572	172	55	218	132
1969	2,225	1,600	197	60	223	145
1970	2,335	1,647	219	61	243	165
1971	2,500	1,724	255	70	274	177
1972	2,630	1,795	270	74	305	187
1973	2,884	1,985	295	84	318	202
1974	3,023	2,032	307	96	370	218
1975	3,409	2,288	332	113	417	259
1976	3,729	2,512	364	123	446	285
1977	4,067	2,726	374	139	514	314
1978 <sup>c</sup>	4,625	3,059	414	170	623	359
1979	5,366	3,598	472	193	735	368
1980	6,063	4,098	491	236	835	403
1981	6,847	4,571	546	291	1,004	435
1982	7,324	4,768	616	337	1,111	491

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1983	7,882	4,989	626	389	1,302	576
1984	8,620	5,431	690	475	1,411	613
1985	9,687	6,064	752	560	1,617	694
1986	10,928	6,712	915	700	1,869	732
1987	12,153	7,343	1,023	790	2,168	828
1988	13,463	8,193	1,106	872	2,356	935
1989	14,979	8,993	1,224	994	2,698	1,071
1990	16,290	9,640	1,324	1,127	3,006	1,191
1991	17,589	10,238	1,474	1,204	3,367	1,307
1992	18,821	11,095	1,491	1,279	3,548	1,409
1993	19,954	11,960	1,559	1,360	3,589	1,486
1994	21,035	12,654	1,555	1,423	3,828	1,575
1995	22,179	13,337	1,690	1,489	4,048	1,614
1996	23,055	13,847	1,812	1,606	4,172	1,619
1997	24,380	14,321	1,910	1,737	4,699	1,712
1998	25,867	15,159	1,945	1,889	5,004	1,871
1999	27,544	16,112	2,022	2,033	5,382	1,995
2000	30,084	17,548	2,200	2,156	5,925	2,255
2001	32,801	19,227	2,320	2,218	6,614	2,422
2002	36,383	21,856	2,504	2,191	7,133	2,698
2003	40,077	24,753	2,645	2,161	7,663	2,856
2004	43,238	27,627	2,879	2,129	7,752	2,851
2005	45,774	29,187	2,940	2,291	8,265	3,092
2006	47,759	30,132	2,966	2,401	9,062	3,198
2007	49,495	30,430	3,151	2,675	9,718	3,521
2008	51,872	31,272	3,438	2,869	10,378	3,916
2009	54,863	32,576	3,650	3,197	11,147	4,293
2010	58,338	36,503	3,605	3,130	10,642	4,458

na = not applicable; non-S&E data by source were not collected prior to FY 2010.

S&E = science and engineering.

<sup>a</sup> Prior to FY 2010, R&D expenditures from nonprofit organizations were collected under all other sources. In FY 2010 these data were collected separately and included \$3,764,291 in R&D expenditures from nonprofit sources.

<sup>b</sup> From FY 2003 through FY 2009 total R&D expenditures and non-S&E R&D expenditures are lower-bound estimates for national totals because (1) non-S&E R&D totals were collected only from institutions with S&E R&D, and (2) National Science Foundation did not attempt to estimate for nonresponse on non-S&E R&D expenditures item.

<sup>c</sup> FY 1978 data are estimated based on data collected from doctorate-granting institutions only.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.