

Table 3A. National expenditures for applied research, by performing sector and source of funding: 1993-2002

(See the historical database provided in Table D for the full series of historical data, arranged by the same data columns as defined in this and other tables.)

Performing sector:	Total U.S.	Federal Govt.	Industry			Industry FFRDCs	Universities & colleges ¹						U&C FFRDCs	Other nonprofit institutions				Nonprofit FFRDCs
			Total	Federal Govt. ²	Industry ³		Federal Govt. ²	Total	Federal Govt.	Nonfed. gov. ⁴	Industry	U&C		Non-profits	Federal Govt. ⁵	Total	Federal Govt. ²	
Funding sector:	Total U.S.	Federal Govt.	Total	Federal Govt. ²	Industry ³	Federal Govt. ²	Total	Federal Govt.	Nonfed. gov. ⁴	Industry	U&C	Non-profits	Federal Govt. ⁵	Total	Federal Govt. ²	Industry	Non-profits	Federal Govt. ²
Data column	[85]	[86]	[87]	[88]	[89]	[90]	[91]	[92]	[93]	[94]	[95]	[96]	[97]	[98]	[99]	[100]	[101]	[102]
Calendar year ⁶																		
Millions of current dollars																		
1993.....	37,286	4,838	24,251	4,295	19,956	435	5,146	2,539	496	443	1,181	487	969	1,544	900	148	497	103
1994.....	36,614	4,985	22,988	3,616	19,372	503	5,387	2,640	517	464	1,256	508	981	1,659	960	158	541	111
1995.....	40,999	4,952	26,919	3,164	23,755	535	5,653	2,775	559	494	1,311	516	1,119	1,692	934	170	589	129
1996.....	43,178	4,872	29,010	3,640	25,370	231	5,878	2,859	583	524	1,390	522	1,283	1,781	960	182	640	122
1997.....	46,689	4,997	32,430	2,648	29,782	213	5,630	2,635	557	523	1,399	516	1,364	1,926	1,011	205	711	128
1998.....	S	5,146	S	S	S	230	5,350	2,376	533	527	1,396	519	1,326	2,061	1,060	223	778	123
1999.....	S	5,530	S	S	S	274	5,945	2,776	558	556	1,494	562	1,267	2,424	1,301	247	876	130
2000.....	S	5,938	S	S	S	198	6,855	3,425	596	581	1,639	615	1,329	3,075	1,810	279	985	209
2001 prelim.....	S	6,483	S	S	S	223	7,555	3,852	632	601	1,807	664	1,465	3,469	2,098	294	1,077	302
2002 prelim.....	S	7,175	S	S	S	268	8,330	4,372	654	620	1,974	711	1,586	3,792	2,326	295	1,171	275
Data column	[103]	[104]	[105]	[106]	[107]	[108]	[109]	[110]	[111]	[112]	[113]	[114]	[115]	[116]	[117]	[118]	[119]	[120]
Calendar year ⁶																		
Millions of constant 1996 dollars																		
1993.....	39,645	5,144	25,785	4,567	21,219	463	5,471	2,699	527	471	1,256	518	1,030	1,642	957	157	528	109
1994.....	38,136	5,192	23,943	3,766	20,177	524	5,610	2,750	539	484	1,308	530	1,022	1,728	999	165	563	116
1995.....	41,793	5,048	27,440	3,225	24,215	545	5,763	2,828	569	503	1,336	526	1,140	1,725	952	173	600	131
1996.....	43,178	4,872	29,010	3,640	25,370	231	5,878	2,859	583	524	1,390	522	1,283	1,781	960	182	640	122
1997.....	45,796	4,901	31,810	2,597	29,212	209	5,522	2,585	546	513	1,372	506	1,338	1,890	992	201	697	126
1998.....	S	4,986	S	S	S	223	5,184	2,302	516	510	1,353	503	1,285	1,997	1,027	216	754	119
1999.....	S	5,282	S	S	S	262	5,679	2,651	533	531	1,427	537	1,210	2,315	1,243	236	836	124
2000.....	S	5,556	S	S	S	185	6,413	3,204	557	543	1,533	576	1,243	2,877	1,694	261	921	195
2001 prelim.....	S	5,925	S	S	S	204	6,905	3,521	577	549	1,652	606	1,339	3,170	1,918	269	984	276
2002 prelim.....	S	6,485	S	S	S	242	7,529	3,951	591	560	1,784	642	1,433	3,427	2,102	266	1,059	248

¹ Adjustments have been made to university R&D for 1998 and later years to eliminate double counting of funds passed through from one academic institution to another. The character of work estimation procedure for university and college R&D also was revised for 1998 and later years; hence these data are not directly comparable with data for 1997 and earlier years.

² In the historical database (table D), expenditures of industry FFRDCs for 1953-63 were not separated from total Federal support to the industrial sector. Thus, the figure for Federal support to industry includes support to FFRDCs for those years. The same is true for expenditures of nonprofit FFRDCs, which are included in Federal support for nonprofit institutions in 1953-87.

³ Industry sources of industry R&D expenditures include all non-Federal sources of industry R&D expenditures.

⁴ Because of limitations in the survey information, data on nonfederal government funding to other performers are not available and are consequently included in other sectors' support for their own R&D performance. For example, nonfederal government support to nonprofits is included in nonprofits' support for their own R&D.

⁵ Includes all R&D expenditures of FFRDCs administered by academic institutions.

⁶ Expenditure levels for academic and Federal government performers are also in reference to calendar years. These levels are approximations based on fiscal-year data. For Federal government expenditures starting in 1977, the calendar-year approximation is equal to 75 percent of the amount reported in the same fiscal year plus 25 percent of the amount reported in the subsequent fiscal year. For academic expenditures in all years and for Federal government expenditures prior to 1977 the respective percentages are 50 and 50, because those fiscal years (for most academic institutions and the Federal government before 1977) begin on July 1 instead of October 1.

KEY: FFRDCs=federally funded research and development centers; U&C=universities and colleges; S = Suppressed pending data quality review

NOTES: Technical notes explaining methodological issues of measurement will be provided in NSF, *The Methodology Underlying the Measurement of R&D Expenditures: 2002* (forthcoming). Data are based on annual reports by performers except for the nonprofit sector. Data are preliminary for 2001 and 2002. For trend comparisons, use only the historical data reported here. These tables incorporate the latest revisions to prior-year data, including recently revised estimates of R&D performance by nonprofit organizations. Do not use data published earlier.

SOURCES: National Science Foundation/Division of Science Resources Statistics. Data were derived from NSF/SRS, *Research and Development in Industry 2000*; NSF/SRS, *Academic Research and Development Expenditures: Fiscal Year 2000*; NSF/SRS, *Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002*; and NSF/SRS *Survey of R&D Funding & Performance by Nonprofit Organizations: Fiscal Years 1996 and 1997*.