

Table 2A. National expenditures for Basic Research: Performance by sector, broken down by sources of funds: 1990-97¹

(See the historical database provided in Table 7 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 ⁴						U&C FFRDCs	Other Nonprofit institutions				Nonprofit FFRDCs	
	Funding Sector:	Total U.S.	Federal Govt.	Total	Federal Govt. ²	Industry ³	Federal Govt. ²	Total	Federal Govt.	Nonfed. Govt.	Industry	U&C	Non-Profits	Federal Govt. ⁵	Total	Federal Govt. ²	Industry	Non-Profits	Federal Govt. ²
Data Column	[43]	[44]	[45]	[46]	[47]	[48]	[49]	[50]	[51]	[52]	[53]	[54]	[55]	[56]	[57]	[58]	[59]	[60]	
Calendar Year ⁶							Millions of current dollars												
1990	22,556	2,319	4,629	869	3,760	499	10,882	6,767	821	692	1,867	736	2,470	1,693	947	287	459	65	
1991 ⁷	26,629	2,378	7,376	1,251	6,125	461	11,831	7,273	904	749	2,089	816	2,657	1,850	1,036	313	501	77	
1992	27,044	2,419	6,528	712	5,816	474	12,710	7,886	933	805	2,202	884	2,867	1,980	1,114	329	537	67	
1993	28,125	2,623	6,427	466	5,961	492	13,497	8,537	957	843	2,235	925	2,953	2,062	1,155	339	567	72	
1994	28,934	2,557	6,514	436	6,078	503	14,267	9,091	970	878	2,361	968	2,944	2,075	1,128	351	596	74	
1995	28,642	2,638	5,569	190	5,379	530	14,945	9,547	1,017	923	2,477	982	2,781	2,104	1,116	382	606	74	
1996 prelim.	29,574	2,477	6,056	182	5,874	530	15,500	9,837	1,059	984	2,597	1,023	2,781	2,155	1,114	412	630	74	
1997 prelim.	31,212	2,687	6,645	178	6,467	530	16,101	10,142	1,113	1,046	2,725	1,075	2,781	2,385	1,279	445	661	83	
Data Column	[61]	[62]	[63]	[64]	[65]	[66]	[67]	[68]	[69]	[70]	[71]	[72]	[73]	[74]	[75]	[76]	[77]	[78]	
Calendar Year ⁶							Millions of constant 1992 dollars												
1990	24,088	2,476	4,943	928	4,015	533	11,621	7,226	877	739	1,994	786	2,638	1,808	1,011	307	490	69	
1991 ⁷	27,362	2,444	7,579	1,285	6,294	474	12,156	7,473	929	770	2,146	838	2,730	1,901	1,064	322	515	79	
1992	27,044	2,419	6,528	712	5,816	474	12,710	7,886	933	805	2,202	884	2,867	1,980	1,114	329	537	67	
1993	27,408	2,556	6,263	454	5,809	479	13,152	8,319	932	822	2,178	902	2,878	2,009	1,126	330	553	70	
1994	27,567	2,436	6,206	415	5,791	479	13,593	8,661	924	836	2,250	922	2,805	1,977	1,075	335	568	71	
1995	26,628	2,453	5,177	177	5,001	493	13,894	8,875	945	858	2,303	913	2,585	1,956	1,038	355	564	69	
1996 prelim.	26,881	2,252	5,505	166	5,339	482	14,088	8,941	963	895	2,360	929	2,528	1,959	1,013	374	572	68	
1997 prelim.	27,643	2,379	5,885	158	5,728	469	14,260	8,983	986	926	2,413	952	2,463	2,112	1,133	394	585	74	

¹The next updates of these data, covering the years 1953-98, along with technical notes explaining methodological issues of measurement, will be provided in NSF, *National Patterns of R&D Resources: 1998* (forthcoming).

²For 1953-63, basic research of industry FFRDCs is not separated out from total Federal support to the industrial sector for basic research. Thus, the figure for Federal support to industry for basic research includes support for basic research at industry FFRDCs for those years. The same is true for basic research by nonprofit FFRDCs in 1953-87, which is included in Federal support for basic research at nonprofit institutions for those years.

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

⁴The breakdown of academic basic research performance by sources other than the Federal government has been estimated for all years.

⁵Includes all R&D expenditures of FFRDCs administered by academic institutions. In 1994, 99 percent of total funds used were from Federal sources.

⁶Expenditure levels for academic and Federal government performers are also in reference to calendar years, which represents a change from previous reporting in *National Patterns of R&D Resources*. These levels are approximations based on fiscal-year data. For academic expenditures, and 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 Federal government expenditures prior to 1977, the respective percentages are 50 and 50, since earlier fiscal years began on July 1 instead of October 1.

⁷Due to revisions in survey methodology and sampling of industrial R&D, data for 1991 and subsequent years may not be comparable to data for previous years. (See *National Patterns of R&D Resources: 1996* or *National Patterns of R&D Resources: 1998*, forthcoming.)

Key: FFRDCs=Federally Funded Research and Development Centers; U&C=universities and colleges

NOTES: Data are based on annual reports by performers except for the nonprofit sector; R&D expenditures by nonprofit sector performers have been estimated since 1973 on the basis of a survey conducted in that year. Data are preliminary for 1996 and 1997. The procedure for estimating the breakdown of industry R&D into basic research, applied research, and development was revised for 1986 and later years.

SOURCES: National Science Foundation/SRS. Data were derived from NSF/SRS, Research and Development in Industry 1995; NSF/SRS, Academic Science/Engineering: R&D Expenditures, Fiscal Year 1995; NSF/SRS, Federal Funds for Research and Development; Fiscal Years 1995, 1996, and 1997; industry data available in Standard and Poors Compustat; and an independent survey conducted by the Industrial Research Institute.