

**Table 1A. National expenditures for R&D: Performance by sector, broken down by sources of funds: 1990-97<sup>1</sup>**

(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						U&C FFRDCs	Other Nonprofit institutions				Nonprofit FFRDCs	
Funding Sector:	Total U.S.	Federal Govt.	Total	Federal Govt. <sup>2</sup>	Industry <sup>3</sup>	Federal Govt. <sup>2</sup>	Total	Federal Govt.	Nonfed. Govt.	Industry	U&C	Non-Profits	Federal Govt. <sup>4</sup>	Total	Federal Govt. <sup>2</sup>	Industry	Non-Profits	Federal Govt. <sup>2</sup>	
Data Column	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	
Calendar Year <sup>5</sup>	Millions of current dollars																		
1990	151,655	15,671	107,404	25,802	81,602	2,323	16,610	9,785	1,361	1,147	3,096	1,220	4,894	4,117	2,346	625	1,147	636	
1991 <sup>6</sup>	160,521	15,249	114,675	24,095	90,580	2,277	17,892	10,447	1,478	1,224	3,412	1,333	5,120	4,611	2,679	680	1,252	696	
1992	164,932	15,853	116,757	22,369	94,388	2,353	19,099	11,306	1,508	1,300	3,558	1,428	5,259	4,864	2,806	716	1,342	748	
1993	165,188	16,532	115,435	20,844	94,591	1,965	20,221	12,129	1,561	1,376	3,646	1,510	5,289	4,997	2,841	737	1,419	749	
1994	168,554	16,440	117,392	20,261	97,131	2,202	21,305	12,826	1,588	1,437	3,867	1,585	5,305	5,152	2,899	764	1,489	759	
1995	183,013	17,231	129,830	21,178	108,652	2,273	22,303	13,434	1,670	1,516	4,069	1,613	5,405	5,167	2,822	830	1,516	804	
1996 prelim.	193,206	16,774	139,579	20,931	118,648	2,273	23,134	13,855	1,736	1,613	4,255	1,676	5,405	5,340	2,871	895	1,575	702	
1997 prelim.	205,742	16,450	151,418	20,787	130,631	2,273	24,031	14,285	1,821	1,710	4,457	1,759	5,405	5,520	2,900	967	1,653	644	
Data Column	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34]	[35]	[36]	
Calendar Year <sup>5</sup>	Millions of constant 1992 dollars																		
1990	161,957	16,736	114,700	27,555	87,145	2,481	17,738	10,450	1,454	1,225	3,307	1,303	5,226	4,397	2,505	667	1,224	679	
1991 <sup>6</sup>	164,940	15,669	117,832	24,758	93,073	2,340	18,385	10,734	1,518	1,257	3,506	1,369	5,261	4,738	2,753	699	1,287	715	
1992	164,932	15,853	116,757	22,369	94,388	2,353	19,099	11,306	1,508	1,300	3,558	1,428	5,259	4,864	2,806	716	1,342	748	
1993	160,977	16,111	112,492	20,313	92,180	1,915	19,705	11,820	1,521	1,340	3,553	1,471	5,154	4,870	2,769	718	1,382	730	
1994	160,592	15,663	111,847	19,304	92,543	2,098	20,298	12,220	1,513	1,369	3,685	1,510	5,054	4,909	2,762	728	1,419	724	
1995	170,142	16,019	120,699	19,689	101,011	2,113	20,734	12,489	1,553	1,410	3,783	1,500	5,025	4,804	2,623	772	1,409	747	
1996 prelim.	175,610	15,246	126,867	19,025	107,842	2,066	21,027	12,593	1,578	1,466	3,867	1,523	4,913	4,854	2,609	813	1,431	638	
1997 prelim.	182,217	14,569	134,105	18,410	115,695	2,013	21,283	12,652	1,612	1,515	3,947	1,557	4,787	4,889	2,569	856	1,464	571	

<sup>1</sup>The next updates of these data, covering the years 1993-98, along with technical notes explaining methodological issues of measurement, will be provided in NSF, *National Patterns of R&D Resources: 1998* (forthcoming).

<sup>2</sup>For 1953-54, expenditures of industry FFRDCs were not separated out from total Federal support to the industrial sector. Thus, the figure for Federal support to industry includes support to FFRDCs for those two years. The same is true for expenditures of nonprofit FFRDCs, which is included in Federal support for nonprofit institutions in 1953-54.

<sup>3</sup>Industry sources of industry R&D expenditures include all non-Federal sources of industry R&D expenditures.

<sup>4</sup>Includes all R&D expenditures of FFRDCs administered by academic institutions. In 1994, 99 percent of total funds used were from Federal sources.

<sup>5</sup>Expenditure 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.

<sup>6</sup>Due 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.

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.