

**U.S. inflation-adjusted R&D expenditures, by performing sector and source of funds: 1953–2004**

(Millions of constant 2000 dollars)

Year	Performing sector:		Industry					Industry FFRDCs		U&C <sup>a</sup>				U&C FFRDCs		Other nonprofit institutions			Nonprofit FFRDCs <sup>b</sup>
	Total	Federal	Total	Federal <sup>c</sup>	Industry <sup>d</sup>	Federal <sup>e</sup>	Total	Federal	Nonfederal <sup>f</sup>	Industry	U&C	Nonprofit	Federal <sup>g</sup>	Total	Federal <sup>h</sup>	Industry	Nonprofit	Federal <sup>i</sup>	
1953.....	28,282	5,563	19,896	7,838	12,058	NA	1,494	817	217	112	200	148	718	611	315	143	153	NA	
1954.....	30,495	5,226	22,098	9,502	12,597	NA	1,634	893	242	128	214	157	871	665	328	168	168	NA	
1955.....	33,508	5,189	24,096	10,973	13,123	656	1,824	1,019	267	144	224	171	998	699	341	187	171	45	
1956.....	43,827	5,829	32,339	15,443	16,897	1,717	2,016	1,140	291	162	237	186	1,119	750	364	191	196	57	
1957.....	49,447	6,474	36,550	19,603	16,948	2,031	2,161	1,205	319	182	255	200	1,330	831	392	185	255	70	
1958.....	53,248	7,350	39,349	21,641	17,709	1,576	2,395	1,366	351	190	271	217	1,539	951	463	185	302	88	
1959.....	60,187	8,101	44,335	25,141	19,194	2,014	2,824	1,713	388	190	294	239	1,682	1,125	600	202	323	106	
1960.....	65,164	8,558	47,679	26,634	21,045	2,267	3,348	2,151	428	190	318	261	1,830	1,255	703	228	323	228	
1961.....	68,450	9,340	48,657	26,719	21,939	2,608	3,917	2,615	472	188	350	291	2,068	1,429	794	230	404	430	
1962.....	72,499	10,143	51,174	27,857	23,318	1,975	4,602	3,183	519	188	389	322	2,318	1,683	927	250	505	603	
1963.....	80,377	11,738	56,047	31,455	24,592	1,899	5,405	3,847	573	186	440	358	2,659	1,872	1,074	252	546	757	
1964.....	86,320	13,399	58,964	32,792	26,172	2,092	6,211	4,496	621	183	513	398	2,842	1,884	1,130	249	506	926	
1965.....	89,872	14,006	61,293	32,692	28,601	1,655	7,076	5,179	663	184	604	446	2,793	2,095	1,269	275	550	954	
1966.....	95,232	14,272	65,553	34,418	31,135	1,532	7,844	5,760	690	194	710	490	2,811	2,315	1,417	302	595	906	
1967.....	97,709	14,416	66,821	33,256	33,565	1,754	8,517	6,238	703	216	835	525	2,913	2,348	1,431	310	607	942	
1968.....	99,009	14,037	68,293	32,694	35,600	1,666	8,779	6,366	741	231	885	556	2,898	2,392	1,461	325	606	943	
1969.....	99,415	14,495	68,241	30,545	37,696	1,774	8,719	6,209	795	231	891	593	2,796	2,453	1,482	356	616	937	
1970.....	95,419	15,087	63,903	26,536	37,367	1,718	8,781	6,122	861	238	939	621	2,639	2,457	1,487	345	625	835	
1971.....	93,225	15,250	61,670	24,818	36,852	1,698	8,872	6,086	906	249	1,001	630	2,541	2,451	1,475	339	636	744	
1972.....	95,275	15,500	62,999	24,760	38,239	1,817	9,140	6,265	935	262	1,033	645	2,602	2,554	1,563	335	656	663	
1973.....	97,184	15,186	65,008	23,863	41,145	1,711	9,272	6,306	947	281	1,077	661	2,641	2,769	1,777	330	663	597	
1974.....	96,065	14,780	64,042	21,805	42,237	1,866	9,260	6,220	922	299	1,130	688	2,667	2,845	1,839	329	677	605	
1975.....	93,870	14,635	61,735	20,731	41,004	1,913	9,393	6,316	916	311	1,135	716	2,808	2,793	1,776	327	690	592	
1976.....	98,104	14,653	64,948	21,571	43,377	2,214	9,699	6,515	918	326	1,194	745	3,148	2,833	1,769	336	727	610	
1977.....	101,372	14,529	67,514	22,275	45,238	2,250	10,166	6,766	922	361	1,330	787	3,432	2,838	1,732	344	763	643	
1978.....	106,474	15,216	70,420	22,089	48,332	2,365	10,918	7,274	968	397	1,484	794	3,872	2,958	1,814	350	794	727	
1979.....	111,769	15,079	74,801	22,915	51,885	2,349	11,533	7,766	972	433	1,584	778	4,062	3,157	1,988	351	818	787	
1980.....	116,969	14,490	79,989	23,596	56,393	2,363	11,944	8,021	959	488	1,701	775	4,267	3,037	1,850	351	836	879	
1981.....	122,243	14,555	85,294	25,367	59,927	2,343	11,984	7,898	983	531	1,789	783	4,202	2,955	1,755	349	852	909	
1982.....	128,789	15,147	91,137	27,200	63,938	2,366	12,120	7,778	990	579	1,923	851	4,055	3,126	1,873	358	895	837	
1983.....	137,978	16,608	97,663	29,284	68,379	2,431	12,654	7,990	1,009	663	2,080	912	4,356	3,347	2,013	374	960	920	
1984.....	151,135	17,612	107,990	32,011	75,979	2,570	13,530	8,495	1,066	765	2,238	966	4,794	3,715	2,291	392	1,032	924	
1985.....	164,506	18,781	118,162	36,338	81,824	2,672	14,785	9,163	1,196	904	2,500	1,023	5,187	3,969	2,439	414	1,116	950	
1986.....	168,786	18,954	120,607	36,491	84,115	2,654	16,197	9,863	1,360	1,046	2,833	1,095	5,576	4,044	2,386	441	1,218	754	
1987.....	172,611	18,565	123,176	39,288	83,889	2,726	17,497	10,613	1,454	1,135	3,090	1,204	5,857	4,105	2,317	467	1,321	685	
1988.....	176,871	18,948	125,364	37,283	88,081	2,803	18,786	11,351	1,539	1,233	3,338	1,325	6,052	4,244	2,328	491	1,424	673	
1989.....	180,618	19,388	127,117	33,554	93,564	2,794	19,899	11,857	1,622	1,350	3,630	1,440	6,054	4,670	2,625	515	1,530	696	
1990.....	186,284	19,207	131,638	31,624	100,015	2,847	20,757	12,178	1,715	1,428	3,905	1,531	5,998	5,057	2,875	540	1,643	780	
1991.....	190,509	18,059	135,801	28,534	107,267	2,696	21,556	12,628	1,756	1,470	4,094	1,608	6,064	5,509	3,172	567	1,769	824	
1992.....	191,408	18,352	135,159	25,895	109,265	2,724	22,440	13,341	1,765	1,527	4,130	1,676	6,088	5,780	3,248	603	1,928	865	

**U.S. inflation-adjusted R&D expenditures, by performing sector and source of funds: 1953–2004**

(Millions of current dollars)

Year	Performing sector:		Industry				Industry FFRDCs		U&C <sup>a</sup>					U&C FFRDCs		Other nonprofit institutions				Nonprofit FFRDCs <sup>b</sup>
	Total	Federal	Total	Federal <sup>c</sup>	Industry <sup>d</sup>	Federal <sup>e</sup>	Total	Federal	Nonfederal <sup>f</sup>	Industry	U&C	Nonprofit	Federal <sup>g</sup>	Total	Federal <sup>h</sup>	Industry	Nonprofit	Federal <sup>i</sup>		
1993.....	187,513	18,704	130,612	23,585	107,028	2,223	23,182	13,921	1,761	1,574	4,196	1,731	5,984	5,960	3,217	642	2,101	848		
1994.....	187,460	18,120	130,062	22,448	107,614	2,440	23,929	14,393	1,797	1,613	4,362	1,765	5,865	6,203	3,225	683	2,294	840		
1995.....	199,352	18,352	140,957	22,993	117,964	2,468	24,545	14,750	1,900	1,680	4,461	1,754	5,827	6,326	3,091	729	2,506	877		
1996.....	210,262	17,671	151,696	22,755	128,941	2,447	25,260	14,999	1,982	1,780	4,724	1,775	5,748	6,616	3,096	778	2,742	822		
1997.....	222,338	17,628	162,880	22,846	140,034	2,232	26,068	15,220	2,014	1,894	5,069	1,872	5,725	6,945	3,159	848	2,938	860		
1998.....	235,977	17,997	174,568	22,894	151,674	2,154	27,123	15,719	2,043	2,020	5,350	1,991	5,763	7,499	3,401	921	3,177	874		
1999.....	250,306	18,240	186,149	21,035	165,114	1,991	28,774	16,606	2,143	2,127	5,740	2,157	5,775	8,364	3,843	1,006	3,515	1,014		
2000.....	267,207	17,917	200,007	17,163	182,844	1,955	30,683	17,710	2,247	2,175	6,227	2,326	5,742	9,437	4,447	1,118	3,872	1,465		
2001.....	270,828	19,948	197,284	16,503	180,781	1,973	32,922	19,304	2,341	2,137	6,660	2,480	6,080	10,482	5,165	1,106	4,212	2,140		
2002.....	264,956	20,654	186,248	15,756	170,492	2,174	35,723	21,491	2,460	2,073	7,061	2,638	6,823	11,107	5,506	1,041	4,560	2,228		
2003.....	275,348	22,006	192,460	19,528	172,932	2,345	37,900	23,189	2,563	2,021	7,378	2,749	6,863	11,350	5,478	1,057	4,815	2,425		
2004.....	288,419	22,867	202,613	21,752	180,861	2,388	39,216	24,136	2,671	1,973	7,583	2,853	6,932	11,783	5,612	1,108	5,063	2,620		

NA = not available

FFRDC = federally funded research and development center; U&amp;C = universities and colleges

<sup>a</sup>Adjustments made to university R&D for 1998 on to eliminate double counting of funds passed through from one academic institution to another. Data for 1998 on not directly comparable with data for 1997 and earlier. For FY 1998, \$479 million in passthrough funds reported. For FY 2004, \$1,207 million in passthrough funds estimated.

<sup>b</sup>Beginning in 2001, data for nonprofit FFRDCs reported by FFRDCs. In prior years, data collected from federal agencies supporting them.

<sup>c</sup>Expenditures of industry FFRDCs for 1953–54 not separated from total federal support to industrial sector. Thus, value for federal support to industry includes support to FFRDCs for those years. Likewise for expenditures of nonprofit FFRDCs, included in federal support for nonprofit institutions in 1953–54.

<sup>d</sup>Industry sources of industry R&D expenditures include all nonfederal sources of industry R&D expenditures.

<sup>e</sup>Because of limitations in survey information, data on nonfederal government funding to other performers not available and consequently included in other sectors' support for their own R&D, e.g., nonfederal government support to nonprofits is included in nonprofit support for their own R&D.

<sup>f</sup>Includes all R&D expenditures of FFRDCs administered by academic institutions.

NOTES: All data refer to calendar years. For some performers, these levels are approximations based on FY data. For federal government expenditures starting in 1977, calendar-year approximation is 75% of amount reported in same FY plus 25% of amount reported in subsequent FY. Academic expenditures in all years and federal government expenditures before 1977 are each 50% because those FYs (for most academic institutions and federal government before 1977) began on July 1 instead of October 1. Technical notes explaining methodological issues of measurement will be provided in National Science Foundation (NSF), *National Patterns of R&D Resources, Methodology Report: 2003* (forthcoming). Data based on annual reports by performers except for nonprofit sector. Preliminary data for 2003 and 2004. For trend comparisons, use only historical data reported here. Table incorporates latest revisions to prior-year data. Do not use data published earlier.

SOURCE: NSF, Division of Science Resources Statistics, *National Patterns of R&D Resources* (annual series).