

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

(Millions of constant 2000 dollars)

Year	Performing sector:	Total	Federal	Industry			Industry FFRDCs	U&C <sup>a</sup>						U&C FFRDCs	Other nonprofit institutions				Nonprofit FFRDCs
	Funding sector:			Total	Federal <sup>b</sup>	Industry <sup>c</sup>	Federal <sup>b</sup>	Total	Federal	Nonfederal <sup>d</sup>	Industry	U&C	Nonprofit	Federal <sup>e</sup>	Total	Federal <sup>b</sup>	Industry	Nonprofit	Federal <sup>b</sup>
1953.....		2,519	556	828	104	723	NA	674	447	36	71	33	88	197	263	148	49	66	NA
1954.....		2,761	521	901	125	776	NA	801	524	52	81	46	98	239	299	168	60	71	NA
1955.....		3,089	520	1,008	144	864	NA	958	621	74	91	62	109	267	336	192	69	75	NA
1956.....		3,702	585	1,304	191	1,114	NA	1,134	735	98	101	80	121	299	379	214	77	88	NA
1957.....		4,060	619	1,352	205	1,148	NA	1,300	831	124	112	98	135	357	432	242	75	115	NA
1958.....		4,603	727	1,439	210	1,229	NA	1,522	985	152	117	117	151	415	500	285	78	137	NA
1959.....		5,238	793	1,542	347	1,195	NA	1,870	1,265	181	116	137	171	455	578	347	87	145	NA
1960.....		6,112	872	1,787	375	1,412	NA	2,303	1,618	214	116	159	195	504	646	404	100	143	NA
1961.....		7,104	1,079	1,856	381	1,476	NA	2,808	2,028	252	117	187	223	590	771	493	103	174	NA
1962.....		8,457	1,168	2,263	663	1,600	NA	3,415	2,529	295	116	222	253	684	927	603	111	213	NA
1963.....		9,704	1,305	2,395	674	1,720	NA	4,168	3,161	344	112	264	287	803	1,032	688	115	229	NA
1964.....		10,827	1,532	2,291	556	1,735	190	4,837	3,721	381	113	315	307	901	1,075	750	113	212	NA
1965.....		11,822	1,662	2,498	697	1,802	129	5,416	4,187	419	118	382	311	965	1,152	792	129	231	NA
1966.....		12,642	1,769	2,559	613	1,946	134	5,954	4,599	447	125	459	324	1,029	1,197	809	138	250	NA
1967.....		13,257	1,814	2,490	703	1,787	142	6,502	4,970	477	140	568	347	1,101	1,207	810	142	255	NA
1968.....		13,551	1,935	2,436	582	1,854	140	6,745	5,078	525	151	627	365	1,106	1,188	787	149	253	NA
1969.....		13,350	2,085	2,222	470	1,752	141	6,706	4,924	585	151	655	392	1,040	1,155	734	164	256	NA
1970.....		13,053	2,041	2,056	443	1,613	131	6,737	4,803	651	156	711	416	961	1,128	706	160	262	NA
1971.....		12,868	2,010	1,927	349	1,577	114	6,807	4,789	670	171	740	438	872	1,138	716	156	266	NA
1972.....		12,763	1,997	1,837	302	1,535	129	6,754	4,764	648	182	716	444	895	1,150	716	156	278	NA
1973.....		12,872	2,047	1,868	301	1,567	113	6,603	4,674	617	184	701	429	1,077	1,163	727	154	283	NA
1974.....		12,989	2,058	1,872	328	1,544	141	6,570	4,633	587	190	720	439	1,194	1,154	706	155	294	NA
1975.....		12,828	1,999	1,782	274	1,508	139	6,525	4,653	559	188	694	432	1,251	1,131	671	156	304	NA
1976.....		13,367	2,115	1,866	289	1,577	172	6,654	4,786	542	187	705	434	1,383	1,178	690	162	325	NA
1977.....		14,054	2,205	1,955	316	1,640	175	6,939	4,945	542	208	782	462	1,560	1,219	705	168	346	NA
1978.....		15,208	2,282	2,057	341	1,716	205	7,378	5,243	568	233	870	464	1,979	1,306	768	172	366	NA
1979.....		15,816	2,245	2,127	325	1,802	210	7,725	5,488	577	257	941	462	2,118	1,391	833	175	383	NA
1980.....		16,265	2,243	2,230	315	1,915	222	7,984	5,663	568	288	1,006	459	2,158	1,427	853	176	397	NA
1981.....		16,628	2,271	2,498	277	2,221	232	8,012	5,634	572	309	1,041	456	2,172	1,442	854	177	411	NA
1982.....		17,256	2,426	2,831	403	2,428	204	8,116	5,539	587	344	1,142	505	2,178	1,500	879	184	438	NA
1983.....		18,493	2,657	3,230	531	2,699	179	8,462	5,657	607	398	1,252	549	2,355	1,610	939	194	476	NA
1984.....		19,931	2,774	3,654	503	3,151	201	9,082	6,040	644	462	1,352	584	2,526	1,695	970	206	519	NA
1985.....		21,311	2,793	3,917	514	3,404	188	10,075	6,606	738	558	1,543	631	2,572	1,766	977	219	569	NA
1986.....		24,206	2,843	5,516	609	4,907	164	11,147	7,188	850	654	1,771	684	2,688	1,848	982	236	630	NA
1987.....		25,272	2,797	5,712	817	4,895	194	11,809	7,550	900	702	1,912	745	2,850	1,911	966	252	692	NA
1988.....		26,140	2,796	5,500	867	4,633	445	12,343	7,843	932	746	2,021	802	3,001	2,023	999	268	756	31
1989.....		27,864	2,939	6,133	1,255	4,878	507	13,006	8,174	974	811	2,181	865	3,018	2,202	1,095	283	823	59
1990.....		28,223	2,842	5,673	1,065	4,608	612	13,635	8,442	1,038	865	2,364	927	3,027	2,356	1,161	300	895	79
1991.....		32,139	2,816	8,735	1,481	7,253	546	14,283	8,790	1,080	905	2,519	990	3,146	2,521	1,227	318	977	91
1992.....		31,955	2,800	7,557	824	6,733	549	14,944	9,328	1,090	943	2,550	1,034	3,319	2,709	1,290	341	1,078	78

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	Funding sector:	Total	Federal	Total	Federal <sup>b</sup>	Industry <sup>c</sup>	Federal <sup>b</sup>	Total	Federal	Nonfederal <sup>d</sup>	Industry	U&C	Nonprofit	Federal <sup>e</sup>	Total	Federal <sup>b</sup>	Industry	Nonprofit	Federal <sup>b</sup>
1993.....		32,520	2,965	7,272	527	6,745	557	15,438	9,773	1,077	963	2,566	1,059	3,341	2,865	1,309	366	1,189	82
1994.....		32,848	2,822	7,217	483	6,734	557	15,951	10,124	1,098	985	2,666	1,079	3,251	2,967	1,259	394	1,314	83
1995.....		32,145	2,920	6,046	206	5,840	575	16,441	10,458	1,161	1,026	2,725	1,072	2,933	3,147	1,270	424	1,453	82
1996.....		34,944	2,855	7,989	693	7,297	754	17,089	10,751	1,224	1,100	2,918	1,096	2,776	3,396	1,330	457	1,609	84
1997.....		38,685	2,878	10,266	1,078	9,187	655	18,491	11,440	1,308	1,232	3,295	1,217	2,800	3,482	1,380	471	1,631	113
1998.....		36,557	3,112	6,067	1,039	5,028	589	20,022	12,321	1,380	1,364	3,612	1,344	2,757	3,790	1,514	511	1,764	221
1999.....		39,676	3,420	6,815	1,157	5,658	544	21,385	13,069	1,465	1,454	3,923	1,475	2,825	4,282	1,772	558	1,952	405
2000.....		42,567	3,765	7,053	938	6,115	534	22,856	13,904	1,550	1,500	4,296	1,605	2,874	4,870	2,099	621	2,150	616
2001.....		46,439	4,161	7,864	736	7,128	539	24,591	15,144	1,624	1,482	4,620	1,721	3,031	5,359	2,406	614	2,339	894
2002.....		49,027	4,333	7,250	853	6,397	594	26,758	16,924	1,700	1,433	4,879	1,823	3,568	5,583	2,474	578	2,532	941
2003.....		51,985	4,434	8,099	1,536	6,563	641	28,347	18,282	1,754	1,383	5,048	1,881	3,584	5,870	2,609	587	2,673	1,010
2004.....		53,934	4,517	8,575	1,711	6,864	653	29,330	19,029	1,825	1,348	5,180	1,949	3,620	6,147	2,721	615	2,811	1,092

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. Character-of-work estimation procedure for university and college R&D also revised for 1998 on; hence, data not directly comparable with data for 1997 and earlier.

<sup>b</sup>Expenditures of industry FFRDCs for 1953–63 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 1953–87.

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

<sup>d</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>e</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).