

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

(Millions of constant 2000 dollars)

Year	Funding sector:	Total	Federal							Industry				U&C	Nonprofit		Nonfederal ^a		
	Performing sector:		Total	Federal	Industry ^b	Industry FFRDCs ^b	U&C ^c	U&C FFRDCs ^d	Non-profit ^e	Nonprofit FFRDCs ^b	Total	Industry ^e	U&C ^c	Nonprofit	U&C ^c	Total	Nonprofit	U&C ^c	U&C ^c
1953.....		2,519	1,452	556	104	NA	447	197	148	NA	844	723	71	49	33	153	66	88	36
1954.....		2,761	1,577	521	125	NA	524	239	168	NA	918	776	81	60	46	168	71	98	52
1955.....		3,089	1,744	520	144	NA	621	267	192	NA	1,024	864	91	69	62	184	75	109	74
1956.....		3,702	2,024	585	191	NA	735	299	214	NA	1,292	1,114	101	77	80	209	88	121	98
1957.....		4,060	2,253	619	205	NA	831	357	242	NA	1,335	1,148	112	75	98	250	115	135	124
1958.....		4,603	2,622	727	210	NA	985	415	285	NA	1,425	1,229	117	78	117	288	137	151	152
1959.....		5,238	3,207	793	347	NA	1,265	455	347	NA	1,398	1,195	116	87	137	316	145	171	181
1960.....		6,112	3,774	872	375	NA	1,618	504	404	NA	1,628	1,412	116	100	159	337	143	195	214
1961.....		7,104	4,571	1,079	381	NA	2,028	590	493	NA	1,697	1,476	117	103	187	397	174	223	252
1962.....		8,457	5,647	1,168	663	NA	2,529	684	603	NA	1,827	1,600	116	111	222	466	213	253	295
1963.....		9,704	6,632	1,305	674	NA	3,161	803	688	NA	1,948	1,720	112	115	264	516	229	287	344
1964.....		10,827	7,650	1,532	556	190	3,721	901	750	NA	1,961	1,735	113	113	315	520	212	307	381
1965.....		11,822	8,431	1,662	697	129	4,187	965	792	NA	2,048	1,802	118	129	382	541	231	311	419
1966.....		12,642	8,953	1,769	613	134	4,599	1,029	809	NA	2,209	1,946	125	138	459	574	250	324	447
1967.....		13,257	9,540	1,814	703	142	4,970	1,101	810	NA	2,070	1,787	140	142	568	603	255	347	477
1968.....		13,551	9,627	1,935	582	140	5,078	1,106	787	NA	2,153	1,854	151	149	627	618	253	365	525
1969.....		13,350	9,395	2,085	470	141	4,924	1,040	734	NA	2,067	1,752	151	164	655	648	256	392	585
1970.....		13,053	9,085	2,041	443	131	4,803	961	706	NA	1,929	1,613	156	160	711	677	262	416	651
1971.....		12,868	8,850	2,010	349	114	4,789	872	716	NA	1,904	1,577	171	156	740	704	266	438	670
1972.....		12,763	8,803	1,997	302	129	4,764	895	716	NA	1,873	1,535	182	156	716	723	278	444	648
1973.....		12,872	8,939	2,047	301	113	4,674	1,077	727	NA	1,904	1,567	184	154	701	711	283	429	617
1974.....		12,989	9,060	2,058	328	141	4,633	1,194	706	NA	1,889	1,544	190	155	720	733	294	439	587
1975.....		12,828	8,987	1,999	274	139	4,653	1,251	671	NA	1,852	1,508	188	156	694	736	304	432	559
1976.....		13,367	9,435	2,115	289	172	4,786	1,383	690	NA	1,926	1,577	187	162	705	760	325	434	542
1977.....		14,054	9,906	2,205	316	175	4,945	1,560	705	NA	2,016	1,640	208	168	782	808	346	462	542
1978.....		15,208	10,819	2,282	341	205	5,243	1,979	768	NA	2,121	1,716	233	172	870	831	366	464	568
1979.....		15,816	11,218	2,245	325	210	5,488	2,118	833	NA	2,235	1,802	257	175	941	845	383	462	577
1980.....		16,265	11,455	2,243	315	222	5,663	2,158	853	NA	2,380	1,915	288	176	1,006	856	397	459	568
1981.....		16,628	11,441	2,271	277	232	5,634	2,172	854	NA	2,707	2,221	309	177	1,041	867	411	456	572
1982.....		17,256	11,629	2,426	403	204	5,539	2,178	879	NA	2,955	2,428	344	184	1,142	943	438	505	587
1983.....		18,493	12,318	2,657	531	179	5,657	2,355	939	NA	3,292	2,699	398	194	1,252	1,025	476	549	607
1984.....		19,931	13,013	2,774	503	201	6,040	2,526	970	NA	3,819	3,151	462	206	1,352	1,103	519	584	644
1985.....		21,311	13,650	2,793	514	188	6,606	2,572	977	NA	4,181	3,404	558	219	1,543	1,200	569	631	738
1986.....		24,206	14,475	2,843	609	164	7,188	2,688	982	NA	5,796	4,907	654	236	1,771	1,314	630	684	850
1987.....		25,272	15,174	2,797	817	194	7,550	2,850	966	NA	5,849	4,895	702	252	1,912	1,437	692	745	900
1988.....		26,140	15,982	2,796	867	445	7,843	3,001	999	31	5,647	4,633	746	268	2,021	1,558	756	802	932
1989.....		27,864	17,047	2,939	1,255	507	8,174	3,018	1,095	59	5,973	4,878	811	283	2,181	1,688	823	865	974
1990.....		28,223	17,227	2,842	1,065	612	8,442	3,027	1,161	79	5,773	4,608	865	300	2,364	1,822	895	927	1,038
1991.....		32,139	18,098	2,816	1,481	546	8,790	3,146	1,227	91	8,476	7,253	905	318	2,519	1,966	977	990	1,080
1992.....		31,955	18,187	2,800	824	549	9,328	3,319	1,290	78	8,017	6,733	943	341	2,550	2,112	1,078	1,034	1,090

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

(Millions of constant 2000 dollars)

Year	Funding sector:																	
	Performing sector:	Total	Federal							Industry				U&C	Nonprofit			Nonfederal ^a
	Total	Total	Federal	Industry ^b	Industry FFRDCs ^b	U&C ^c	U&C FFRDCs ^d	Non-profit ^b	Nonprofit FFRDCs ^b	Total	Industry ^e	U&C ^c	Nonprofit	U&C ^c	Total	Nonprofit	U&C ^c	U&C ^c
1993.....	32,520	18,554	2,965	527	557	9,773	3,341	1,309	82	8,074	6,745	963	366	2,566	2,248	1,189	1,059	1,077
1994.....	32,848	18,578	2,822	483	557	10,124	3,251	1,259	83	8,113	6,734	985	394	2,666	2,393	1,314	1,079	1,098
1995.....	32,145	18,445	2,920	206	575	10,458	2,933	1,270	82	7,290	5,840	1,026	424	2,725	2,525	1,453	1,072	1,161
1996.....	34,944	19,244	2,855	693	754	10,751	2,776	1,330	84	8,853	7,297	1,100	457	2,918	2,705	1,609	1,096	1,224
1997.....	38,685	20,344	2,878	1,078	655	11,440	2,800	1,380	113	10,890	9,187	1,232	471	3,295	2,849	1,631	1,217	1,308
1998.....	36,557	21,553	3,112	1,039	589	12,321	2,757	1,514	221	6,904	5,028	1,364	511	3,612	3,109	1,764	1,344	1,380
1999.....	39,676	23,191	3,420	1,157	544	13,069	2,825	1,772	405	7,670	5,658	1,454	558	3,923	3,427	1,952	1,475	1,465
2000.....	42,567	24,730	3,765	938	534	13,904	2,874	2,099	616	8,236	6,115	1,500	621	4,296	3,755	2,150	1,605	1,550
2001.....	46,439	26,912	4,161	736	539	15,144	3,031	2,406	894	9,224	7,128	1,482	614	4,620	4,059	2,339	1,721	1,624
2002.....	49,027	29,686	4,333	853	594	16,924	3,568	2,474	941	8,408	6,397	1,433	578	4,879	4,355	2,532	1,823	1,700
2003.....	51,985	32,097	4,434	1,536	641	18,282	3,584	2,609	1,010	8,533	6,563	1,383	587	5,048	4,554	2,673	1,881	1,754
2004.....	53,934	33,342	4,517	1,711	653	19,029	3,620	2,721	1,092	8,827	6,864	1,348	615	5,180	4,760	2,811	1,949	1,825

NA = not available

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

^aBecause 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. For example, nonfederal government support to nonprofits is included in nonprofits' support for their own R&D.

^bExpenditures of industry FFRDCs for 1953–63 not separated from total federal support to the 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.

^cAdjustments 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.

^dIncludes all R&D expenditures of FFRDCs administered by academic institutions.

^eIndustry sources of industry R&D expenditures include all nonfederal sources of industry R&D expenditures.

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).