

U.S. inflation-adjusted development 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 ^a					U&C FFRDCs	Other nonprofit institutions			Nonprofit FFRDCs		
	Funding sector:			Total	Federal ^b	Industry ^c	Federal ^b	Total	Federal	Nonfederal ^d	Industry	U&C	Nonprofit	Federal ^b	Total	Federal ^b	Industry	Nonprofit	Federal ^b
1953.....		18,699	3,105	15,089	6,155	8,934	NA	88	47	16	5	14	5	260	156	90	33	33	NA
1954.....		20,274	2,916	16,777	7,629	9,149	NA	92	46	19	5	17	5	318	171	95	38	38	NA
1955.....		22,347	2,894	18,794	9,522	9,272	NA	112	61	20	8	17	5	368	179	99	43	37	NA
1956.....		30,186	3,251	26,214	14,525	11,689	NA	129	70	23	10	19	8	415	178	101	41	36	NA
1957.....		33,341	3,631	28,895	18,045	10,849	NA	130	60	26	12	21	10	504	182	102	40	40	NA
1958.....		35,191	4,105	30,163	19,231	10,933	NA	134	61	28	15	21	10	585	202	120	39	44	NA
1959.....		40,783	4,530	35,212	22,890	12,322	NA	149	75	29	14	22	10	646	246	154	43	48	NA
1960.....		44,485	4,765	38,516	24,566	13,949	NA	164	90	30	12	22	10	715	326	231	48	48	NA
1961.....		46,667	5,120	40,118	25,130	14,988	NA	176	101	32	9	24	9	797	456	343	47	66	NA
1962.....		46,897	5,689	39,532	24,481	15,050	NA	185	104	36	9	27	9	881	610	475	51	83	NA
1963.....		52,943	6,721	44,279	28,060	16,219	NA	184	101	36	9	28	9	1,002	757	615	50	92	NA
1964.....		56,511	7,591	45,205	27,817	17,388	1,622	219	133	36	9	30	11	1,023	850	718	50	81	NA
1965.....		58,643	7,937	47,203	27,593	19,610	1,322	313	213	38	9	35	18	916	952	810	53	89	NA
1966.....		62,517	8,137	50,956	29,551	21,405	1,169	375	263	40	9	42	22	863	1,016	856	60	99	NA
1967.....		64,165	8,132	52,478	28,438	24,040	1,264	389	274	36	10	42	27	871	1,032	868	63	100	NA
1968.....		64,839	7,643	53,667	28,274	25,392	1,176	407	287	31	16	37	36	907	1,040	871	64	104	NA
1969.....		65,207	7,709	53,812	26,556	27,256	1,270	419	304	27	19	30	38	941	1,057	881	69	107	NA
1970.....		61,472	8,201	49,752	22,635	27,117	1,235	407	303	23	18	26	36	904	973	799	65	109	NA
1971.....		60,181	8,553	48,163	21,331	26,831	1,352	339	239	27	14	30	29	924	851	671	66	114	NA
1972.....		62,134	8,749	49,868	21,657	28,211	1,333	335	207	41	12	45	30	965	885	706	63	116	NA
1973.....		63,415	8,343	51,475	20,789	30,686	1,253	394	221	55	16	63	39	928	1,022	840	63	119	NA
1974.....		61,927	7,964	50,168	18,871	31,297	1,379	405	215	58	19	71	43	924	1,087	903	62	122	NA
1975.....		59,750	7,605	48,293	17,850	30,444	1,408	411	217	58	21	72	42	980	1,053	868	62	123	NA
1976.....		62,406	7,393	50,780	18,713	32,067	1,627	453	248	60	29	77	40	1,112	1,041	848	63	130	NA
1977.....		64,717	7,457	52,871	19,356	33,515	1,579	594	358	65	34	94	43	1,177	1,039	840	64	135	NA
1978.....		67,872	8,034	55,109	19,136	35,973	1,646	815	555	70	32	107	51	1,184	1,085	880	65	140	NA
1979.....		71,538	7,959	58,596	19,957	38,640	1,635	948	679	69	31	113	56	1,218	1,182	974	65	144	NA
1980.....		75,270	7,536	62,632	20,275	42,358	1,632	958	670	71	36	125	57	1,330	1,182	971	64	147	NA
1981.....		77,889	7,663	65,202	21,636	43,566	1,607	960	653	74	40	135	59	1,316	1,140	928	63	149	NA
1982.....		82,390	8,255	69,245	22,662	46,583	1,577	952	634	73	42	141	62	1,187	1,175	955	64	156	NA
1983.....		88,242	9,363	73,710	23,804	49,906	1,616	947	612	72	48	149	65	1,275	1,330	1,097	67	166	NA
1984.....		97,940	10,462	81,843	26,073	55,770	1,561	1,001	643	76	54	159	69	1,457	1,615	1,367	70	178	NA
1985.....		106,746	11,491	88,963	29,059	59,904	1,581	1,085	697	82	62	172	71	1,784	1,843	1,578	73	192	NA
1986.....		106,321	11,614	88,240	30,199	58,041	1,607	1,148	720	92	71	191	74	2,111	1,602	1,316	78	209	NA
1987.....		109,029	11,169	91,247	32,955	58,292	1,680	1,291	818	100	78	212	83	2,281	1,360	1,053	82	225	NA
1988.....		111,722	11,710	92,944	31,335	61,609	1,868	1,450	922	109	88	237	94	2,328	866	538	85	242	555
1989.....		111,667	11,909	92,576	26,794	65,781	1,811	1,562	984	117	97	261	103	2,268	993	645	89	259	548
1990.....		115,292	11,889	96,061	23,245	72,815	1,762	1,724	1,115	122	102	277	109	2,127	1,128	759	92	277	601
1991.....		112,624	10,395	95,077	20,435	74,642	1,638	1,816	1,197	122	102	284	111	1,820	1,249	855	97	297	631
1992.....		115,541	10,531	97,898	19,889	78,009	1,588	1,847	1,220	122	105	285	115	1,681	1,302	878	102	322	694
1993.....		112,813	10,264	95,901	18,198	77,703	1,174	1,922	1,274	123	110	293	121	1,554	1,348	890	108	350	650

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	Funding sector:			Total	Federal ^b	Industry ^c	Federal ^b	Total	Federal	Nonfederal ^d	Industry	U&C	Nonprofit	Federal ^b	Total	Federal ^b	Industry	Nonprofit	Federal ^b
1994.....		114,046	9,776	97,376	17,958	79,418	1,325	2,010	1,343	126	113	305	124	1,527	1,397	903	114	381	634
1995.....		122,768	10,056	105,684	19,352	86,333	1,312	1,965	1,279	133	118	312	123	1,754	1,342	807	121	414	655
1996.....		129,325	9,625	112,797	18,184	94,613	1,447	1,907	1,201	136	123	325	122	1,619	1,322	743	128	451	608
1997.....		134,862	9,513	118,625	18,992	99,633	1,354	1,790	1,106	127	119	319	118	1,524	1,444	720	162	562	613
1998.....		151,363	9,551	135,115	19,127	115,988	1,327	1,690	1,023	119	118	313	116	1,583	1,572	788	176	608	526
1999.....		157,411	9,170	141,898	16,999	124,899	1,167	1,422	728	122	121	327	123	1,672	1,606	742	192	673	477
2000.....		167,792	8,047	153,784	13,549	140,235	1,146	1,176	452	125	121	347	130	1,539	1,468	513	214	741	632
2001.....		161,298	8,900	146,439	12,248	134,190	521	1,241	490	129	118	367	137	1,598	1,676	659	212	806	923
2002.....		167,138	9,128	151,586	12,548	139,038	573	1,298	507	137	115	393	147	1,636	1,926	855	199	872	990
2003.....		164,792	10,082	148,439	13,103	135,336	572	1,358	522	146	115	419	156	1,655	1,617	494	202	921	1,069
2004.....		173,151	10,580	156,137	14,595	141,542	564	1,362	502	152	113	433	163	1,643	1,674	494	212	969	1,191

NA = not available

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

^aAdjustments 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.

^bExpenditures 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.

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

^dBecause 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.

^eIncludes 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).