

U.S. inflation-adjusted applied research expenditures, by performing sector and source of funds: 1953–2006

(Millions of constant 2000 dollars)

Year	Performing sector:	Total	Federal	Industry ^a			Industry FFRDCs	U&C ^b						U&C FFRDCs	Other nonprofit institutions				Nonprofit FFRDCs
	Funding sector:	Total	Federal	Total	Federal ^c	Industry ^d	Federal ^e	Total	Federal	Nonfederal ^e	Industry	U&C	Nonprofit	Federal ^f	Total	Federal ^g	Industry	Nonprofit	Federal ^h
1953.....		7,065	1,902	3,979	1,579	2,401	NA	732	323	165	36	153	55	260	192	77	60	55	NA
1954.....		7,482	1,789	4,420	1,748	2,671	NA	741	323	171	41	152	54	315	217	87	71	60	NA
1955.....		8,074	1,776	4,951	1,963	2,987	NA	755	336	172	45	145	56	363	229	96	75	59	NA
1956.....		9,938	1,993	6,538	2,444	4,094	NA	753	335	171	52	139	57	405	250	106	72	72	NA
1957.....		12,044	2,223	8,334	3,384	4,951	NA	731	314	169	57	135	55	469	287	117	70	100	NA
1958.....		13,455	2,517	9,323	3,776	5,547	NA	739	320	172	59	133	56	539	337	146	68	122	NA
1959.....		14,165	2,778	9,595	3,918	5,677	NA	805	373	178	60	135	58	581	407	205	72	130	NA
1960.....		14,567	2,921	9,643	3,959	5,684	NA	882	442	184	62	137	57	611	511	297	81	133	NA
1961.....		14,678	3,139	9,292	3,816	5,475	NA	933	486	188	61	139	59	681	632	388	80	164	NA
1962.....		17,144	3,285	11,355	4,688	6,667	NA	1,002	549	188	63	141	60	753	749	452	88	209	NA
1963.....		17,730	3,712	11,273	4,620	6,653	NA	1,053	585	193	64	148	62	853	840	528	87	225	NA
1964.....		18,983	4,277	11,468	4,419	7,049	280	1,155	642	204	61	169	79	917	886	587	86	212	NA
1965.....		19,408	4,409	11,591	4,402	7,189	204	1,347	779	206	58	187	118	912	945	621	93	231	NA
1966.....		20,074	4,366	12,038	4,254	7,784	229	1,514	897	203	60	209	145	919	1,007	658	104	246	NA
1967.....		20,290	4,472	11,852	4,114	7,738	347	1,626	994	191	65	225	151	942	1,050	695	105	251	NA
1968.....		20,620	4,462	12,190	3,837	8,353	349	1,626	1,001	185	64	221	155	885	1,108	747	112	249	NA
1969.....		20,859	4,701	12,207	3,518	8,689	363	1,595	981	184	61	206	163	815	1,178	803	122	252	NA
1970.....		20,893	4,845	12,095	3,458	8,637	352	1,636	1,015	186	64	203	169	774	1,191	817	120	254	NA
1971.....		20,176	4,687	11,581	3,137	8,443	232	1,726	1,058	209	64	232	163	745	1,205	832	118	256	NA
1972.....		20,377	4,754	11,294	2,801	8,493	355	2,050	1,295	246	68	271	171	743	1,182	804	116	262	NA
1973.....		20,897	4,796	11,665	2,773	8,892	345	2,275	1,411	275	82	314	193	636	1,181	807	113	261	NA
1974.....		21,149	4,758	12,003	2,606	9,397	346	2,285	1,372	277	91	339	206	549	1,209	835	111	262	NA
1975.....		21,292	5,031	11,660	2,608	9,052	366	2,458	1,446	298	101	370	242	576	1,201	829	109	263	NA
1976.....		22,331	5,146	12,302	2,570	9,732	415	2,592	1,481	317	111	412	271	653	1,223	840	111	272	NA
1977.....		22,601	4,867	12,687	2,603	10,084	496	2,633	1,463	315	119	454	282	695	1,223	830	112	281	NA
1978.....		23,394	4,899	13,255	2,612	10,643	514	2,725	1,477	330	132	507	279	708	1,294	893	113	287	NA
1979.....		24,415	4,874	14,077	2,634	11,444	505	2,861	1,600	326	144	531	260	726	1,371	969	112	291	NA
1980.....		25,377	4,711	15,127	3,007	12,120	509	3,002	1,688	321	163	570	260	779	1,250	848	110	292	NA
1981.....		27,621	4,620	17,593	3,454	14,139	504	3,012	1,611	337	182	613	269	714	1,062	661	108	292	115
1982.....		29,044	4,466	19,061	4,134	14,927	585	3,052	1,605	331	193	641	283	690	1,045	634	109	301	145
1983.....		31,129	4,587	20,723	4,949	15,774	635	3,245	1,721	330	217	680	298	726	1,094	664	113	317	119
1984.....		33,184	4,376	22,493	5,435	17,059	809	3,446	1,812	346	248	726	313	811	1,130	679	117	334	119
1985.....		36,435	4,497	25,282	6,766	18,516	904	3,625	1,860	375	284	785	321	831	1,179	702	122	355	118
1986.....		38,231	4,497	26,851	5,683	21,168	883	3,901	1,955	418	321	871	337	777	1,217	710	128	379	106
1987.....		38,186	4,598	26,217	5,515	20,702	851	4,398	2,244	455	355	966	377	726	1,295	758	133	403	101
1988.....		39,009	4,442	26,920	5,081	21,839	490	4,993	2,586	498	399	1,081	429	722	1,355	791	138	426	87
1989.....		41,087	4,540	28,409	5,504	22,904	476	5,331	2,699	531	442	1,188	471	767	1,475	884	143	448	89
1990.....		42,769	4,476	29,904	7,313	22,591	473	5,399	2,622	555	462	1,264	495	844	1,573	955	147	470	100
1991.....		45,746	4,848	31,989	6,617	25,372	513	5,457	2,641	554	464	1,292	507	1,097	1,739	1,091	153	496	102

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Year	Performing sector:		Federal	Industry ^a			Industry FFRDCs		U&C ^b				U&C FFRDCs		Other nonprofit institutions			Nonprofit FFRDCs
	Total	Federal		Total	Federal ^c	Industry ^d	Federal ^e	Total	Federal	Nonfederal ^f	Industry	U&C	Nonprofit	Federal ^f	Total	Federal ^c	Industry	Nonprofit
1992.....	43,912	5,020	29,704	5,181	24,523	587	5,649	2,793	554	479	1,296	526	1,089	1,769	1,081	160	528	94
1993.....	42,182	5,474	27,439	4,860	22,580	492	5,823	2,873	561	501	1,336	552	1,089	1,748	1,018	167	562	116
1994.....	40,567	5,523	25,469	4,006	21,463	557	5,969	2,926	573	514	1,392	563	1,087	1,838	1,063	176	599	123
1995.....	44,440	5,377	29,226	3,435	25,791	581	6,140	3,013	607	536	1,424	560	1,140	1,837	1,014	184	639	140
1996.....	45,992	5,191	30,910	3,878	27,032	246	6,264	3,047	622	558	1,481	557	1,353	1,898	1,022	193	682	130
1997.....	48,789	5,237	33,989	2,775	31,214	223	5,785	2,671	579	543	1,455	537	1,402	2,019	1,059	215	745	135
1998.....	48,084	5,334	33,386	2,728	30,658	238	5,411	2,370	545	539	1,427	531	1,422	2,165	1,099	231	836	128
1999.....	53,231	5,650	37,436	2,878	34,558	280	5,964	2,800	557	553	1,492	561	1,278	2,490	1,328	255	907	132
2000.....	56,931	6,105	39,176	2,682	36,494	269	6,652	3,350	572	553	1,586	592	1,329	3,183	1,831	283	1,069	217
2001.....	63,190	6,887	42,981	3,519	39,462	913	7,090	3,664	588	538	1,675	624	1,450	3,546	2,100	280	1,166	324
2002.....	48,982	7,187	27,386	2,353	25,033	1,059	7,651	4,045	622	526	1,787	671	1,618	3,785	2,176	264	1,346	296
2003.....	57,750	7,210	35,087	4,204	30,883	1,348	8,072	4,358	663	515	1,851	686	1,651	4,041	2,337	266	1,437	341
2004.....	64,055	6,883	41,518	4,364	37,155	1,390	8,222	4,525	668	508	1,838	683	1,769	3,941	2,281	266	1,393	333
2005.....	63,162	6,981	40,168	4,691	35,477	1,359	8,502	4,700	660	522	1,921	699	1,702	4,090	2,285	282	1,524	361
2006.....	64,308	6,676	41,728	4,691	37,037	1,277	8,657	4,695	669	537	2,036	720	1,555	4,071	2,204	295	1,572	344

NA = not available

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

^aCharacter-of-work estimates for industry R&D revised for 1998 on; therefore, data not directly comparable with data for 1997 and earlier.^bAdjustments 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; therefore, data not directly comparable with data for 1997 and earlier.^cExpenditures of industry FFRDCs for 1953–63 not separated from total federal support to industrial sector; therefore, value for federal support to industry includes support to FFRDCs for those years. Similarly for expenditures of nonprofit FFRDCs, included in federal support for nonprofit institutions in 1953–80.^dIndustry sources of industry R&D expenditures include all nonfederal sources of industry R&D expenditures.^eBecause 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.^fIncludes all R&D expenditures of FFRDCs administered by academic institutions.

NOTES: All data for calendar years. For some performers, these levels are approximations based on fiscal year data. For federal government expenditures starting in 1977, calendar-year approximation is 75% of amount reported in same fiscal year plus 25% of amount reported in subsequent fiscal year. Academic expenditures in all years and federal government expenditures before 1977 each 50% because those fiscal years (for most academic institutions and federal government before 1977) began on 1 July instead of 1 October. Technical notes explaining methodological issues of measurement available from National Science Foundation (NSF), Division of Science Resources Statistics (SRS) on request. Data based on annual reports by performers except for nonprofit sector. Preliminary data for 2005 and 2006. For trend comparisons, use only historical data reported here. Table incorporates latest revisions to prior-year data. Do not use data published earlier.

SOURCES: NSF/SRS, Research and Development in Industry 2005 (2007); Academic Research and Development Expenditures: Fiscal Year 2005 (2007); Federal Funds for Research and Development: Fiscal Years 2004, 2005, and 2006 (2007); and Survey of Research and Development Funding and Performance by Nonprofit Organizations: FY 1996–97 (2001).