

**U.S. basic research expenditures, by funding and performing sectors: 1953–2006**

(Millions of current dollars)

Year	Funding sector:	Federal									Industry				U&C	Nonprofit		Nonfederal <sup>a</sup>	
	Performing sector:	Total	Total	Federal	Industry <sup>b,c</sup>	FFRDCs <sup>b</sup>	U&C <sup>d</sup>	U&C FFRDCs <sup>e</sup>	Nonprofit <sup>b</sup>	Nonprofit FFRDCs <sup>b</sup>	Total	Industry <sup>c,f</sup>	U&C <sup>d</sup>	Nonprofit	U&C <sup>d</sup>	Total	Nonprofit	U&C <sup>d</sup>	U&C <sup>d</sup>
1953.....		460	265	102	19	NA	82	36	27	NA	154	132	13	9	6	28	12	16	7
1954.....		509	291	96	23	NA	97	44	31	NA	169	143	15	11	8	31	13	18	10
1955.....		579	327	98	27	NA	117	50	36	NA	192	162	17	13	12	35	14	21	14
1956.....		718	393	114	37	NA	143	58	42	NA	251	216	20	15	15	41	17	24	19
1957.....		814	452	124	41	NA	167	72	49	NA	268	230	23	15	20	50	23	27	25
1958.....		944	538	149	43	NA	202	85	59	NA	292	252	24	16	24	59	28	31	31
1959.....		1,087	666	165	72	NA	263	95	72	NA	290	248	24	18	28	66	30	36	38
1960.....		1,286	794	184	79	NA	341	106	85	NA	343	297	25	21	33	71	30	41	45
1961.....		1,512	973	230	81	NA	432	126	105	NA	361	314	25	22	40	85	37	48	54
1962.....		1,824	1,218	252	143	NA	546	148	130	NA	394	345	25	24	48	101	46	55	64
1963.....		2,115	1,446	285	147	NA	689	175	150	NA	425	375	25	25	58	113	50	63	75
1964.....		2,396	1,693	339	123	42	824	200	166	NA	434	384	25	25	70	115	47	68	84
1965.....		2,664	1,900	375	157	29	944	218	179	NA	462	406	27	29	86	122	52	70	94
1966.....		2,930	2,075	410	142	31	1,066	239	188	NA	512	451	29	32	106	133	58	75	104
1967.....		3,168	2,280	434	168	34	1,188	263	194	NA	495	427	34	34	136	144	61	83	114
1968.....		3,376	2,399	482	145	35	1,265	276	196	NA	537	462	38	37	156	154	63	91	131
1969.....		3,491	2,457	545	123	37	1,288	272	192	NA	541	458	40	43	171	170	67	103	153
1970.....		3,594	2,501	562	122	36	1,323	265	195	NA	531	444	43	44	196	187	72	115	179
1971.....		3,720	2,559	581	101	33	1,385	252	207	NA	551	456	50	45	214	204	77	127	194
1972.....		3,850	2,656	603	91	39	1,437	270	216	NA	565	463	55	47	216	218	84	134	195
1973.....		4,099	2,847	652	96	36	1,489	343	232	NA	607	499	59	49	223	227	90	137	196
1974.....		4,511	3,146	715	114	49	1,609	415	245	NA	656	536	66	54	250	254	102	153	204
1975.....		4,875	3,415	760	104	53	1,768	476	255	NA	704	573	72	59	264	280	116	164	212
1976.....		5,373	3,793	850	116	69	1,924	556	278	NA	774	634	75	65	283	305	131	175	218
1977.....		6,008	4,235	943	135	75	2,114	667	301	NA	862	701	89	72	334	346	148	198	232
1978.....		6,959	4,950	1,044	156	94	2,399	906	351	NA	970	785	107	79	398	380	168	213	260
1979.....		7,836	5,558	1,112	161	104	2,719	1,050	413	NA	1,107	893	128	87	466	419	190	229	286
1980.....		8,745	6,145	1,212	170	120	3,061	1,167	416	NA	1,286	1,035	156	95	544	463	215	248	307
1981.....		9,658	6,591	1,343	164	137	3,331	1,284	324	9	1,600	1,313	183	105	615	512	243	269	338
1982.....		10,651	7,121	1,522	253	128	3,475	1,366	369	9	1,854	1,523	215	115	716	591	275	317	368
1983.....		11,880	7,853	1,733	346	117	3,689	1,536	426	8	2,146	1,760	260	127	816	668	311	358	396
1984.....		13,332	8,651	1,877	340	136	4,087	1,709	494	9	2,584	2,132	313	139	915	746	351	395	436
1985.....		14,748	9,407	1,947	358	131	4,606	1,793	560	13	2,915	2,373	389	153	1,075	837	397	440	514
1986.....		17,154	10,220	2,026	434	117	5,122	1,915	594	13	4,130	3,496	466	168	1,262	936	449	488	606
1987.....		18,481	11,090	2,047	598	142	5,527	2,086	675	14	4,282	3,583	514	185	1,399	1,052	507	545	659
1988.....		19,786	12,097	2,116	656	337	5,937	2,272	756	24	4,274	3,507	565	203	1,529	1,180	573	607	705
1989.....		21,889	13,392	2,309	986	398	6,422	2,371	860	46	4,692	3,832	637	223	1,714	1,326	647	680	766
1990.....		23,028	14,056	2,319	869	499	6,888	2,470	947	65	4,710	3,760	705	245	1,929	1,486	730	756	847
1991.....		27,139	15,283	2,378	1,251	461	7,423	2,657	1,036	77	7,157	6,125	764	269	2,127	1,660	825	836	912

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	Total	Total	Federal	Industry <sup>b,c</sup>	FFRDCs <sup>b</sup>	U&C <sup>d</sup>	U&C FFRDCs <sup>e</sup>	Nonprofit <sup>b</sup>	FFRDCs <sup>b</sup>	Total	Industry <sup>c,f</sup>	U&C <sup>d</sup>	Nonprofit	U&C <sup>d</sup>	Total	Nonprofit	U&C <sup>d</sup>	U&C <sup>d</sup>
1992.....	27,604	15,710	2,419	712	474	8,058	2,867	1,114	67	6,925	5,816	814	295	2,202	1,824	931	893	941
1993.....	28,742	16,399	2,621	466	492	8,638	2,953	1,157	72	7,136	5,961	851	324	2,268	1,987	1,051	936	952
1994.....	29,649	16,770	2,547	436	503	9,139	2,934	1,137	75	7,323	6,078	889	356	2,406	2,160	1,186	974	991
1995.....	29,609	16,990	2,689	190	530	9,634	2,702	1,170	75	6,714	5,379	945	390	2,510	2,326	1,338	987	1,069
1996.....	32,797	18,062	2,680	650	708	10,092	2,606	1,248	79	8,308	6,848	1,032	428	2,739	2,539	1,510	1,028	1,149
1997.....	36,915	19,416	2,746	1,029	625	10,920	2,671	1,317	108	10,390	8,766	1,175	449	3,144	2,718	1,557	1,161	1,248
1998.....	35,331	20,801	3,003	1,002	568	11,895	2,660	1,461	213	6,655	4,851	1,315	489	3,483	3,062	1,766	1,296	1,330
1999.....	38,872	22,709	3,347	1,108	557	12,802	2,765	1,734	397	7,505	5,537	1,422	546	3,837	3,388	1,946	1,442	1,433
2000.....	42,763	24,738	3,765	925	547	13,912	2,874	2,099	616	8,235	6,115	1,499	621	4,296	3,945	2,341	1,603	1,549
2001.....	47,785	27,565	4,260	754	552	15,515	3,104	2,464	915	9,446	7,299	1,518	629	4,733	4,381	2,616	1,765	1,661
2002.....	51,400	30,835	4,511	888	534	17,635	3,714	2,575	979	8,753	6,659	1,492	602	5,070	4,977	3,072	1,905	1,765
2003.....	55,109	33,663	4,664	1,386	299	19,823	3,747	2,714	1,029	9,026	6,944	1,461	621	5,246	5,294	3,351	1,943	1,880
2004.....	56,670	34,911	4,734	1,072	175	21,380	3,729	2,749	1,071	8,915	6,763	1,513	639	5,479	5,375	3,340	2,035	1,991
2005.....	59,686	35,922	4,921	1,108	135	22,053	3,780	2,756	1,169	9,868	7,559	1,614	696	5,933	5,925	3,764	2,161	2,038
2006.....	61,519	36,161	4,938	1,141	128	22,267	3,746	2,768	1,173	10,568	8,126	1,692	750	6,415	6,266	3,998	2,268	2,109

NA = not available

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

<sup>a</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>b</sup>Expenditures 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.

<sup>c</sup>Character-of-work estimates for industry R&D revised for 1998 on; therefore, data not directly comparable with data for 1997 and earlier.

<sup>d</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; therefore, data not directly comparable with data for 1997 and earlier.

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

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

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 (forthcoming); 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).