

U.S. development expenditures, by source of funds and performing sector: 1953–2004

(Millions of current 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 ^b	Nonprofit FFRDCs ^b	Total	Industry ^e	U&C ^c	Nonprofit	U&C ^c	Total	Nonprofit	U&C ^c	U&C ^c
1953.....		3,412	1,762	567	1,123	NA	9	48	17	NA	1,637	1,630	1	6	3	7	6	1	3
1954.....		3,734	2,027	537	1,405	NA	9	59	18	NA	1,693	1,685	1	7	3	8	7	1	3
1955.....		4,189	2,427	543	1,785	NA	12	69	19	NA	1,748	1,738	2	8	3	8	7	1	4
1956.....		5,855	3,561	631	2,817	NA	14	81	20	NA	2,277	2,267	2	8	4	9	7	2	4
1957.....		6,681	4,477	728	3,616	NA	12	101	21	NA	2,185	2,174	3	8	4	10	8	2	5
1958.....		7,214	4,941	842	3,942	NA	13	120	25	NA	2,252	2,241	3	8	4	11	9	2	6
1959.....		8,463	5,872	940	4,750	NA	16	134	32	NA	2,569	2,557	3	9	5	12	10	2	6
1960.....		9,360	6,390	1,003	5,169	NA	19	151	49	NA	2,948	2,935	3	10	5	12	10	2	6
1961.....		9,930	6,701	1,090	5,347	NA	22	170	73	NA	3,201	3,189	2	10	5	16	14	2	7
1962.....		10,115	6,822	1,227	5,280	NA	23	190	103	NA	3,259	3,246	2	11	6	20	18	2	8
1963.....		11,540	7,956	1,465	6,116	NA	22	219	134	NA	3,548	3,535	2	11	6	22	20	2	8
1964.....		12,506	8,610	1,680	6,156	359	30	227	159	NA	3,861	3,848	2	11	7	21	18	3	8
1965.....		13,215	8,742	1,789	6,218	298	48	207	183	NA	4,433	4,419	2	12	8	24	20	4	9
1966.....		14,490	9,466	1,886	6,849	271	61	200	199	NA	4,977	4,961	2	14	10	28	23	5	9
1967.....		15,332	9,521	1,943	6,795	302	66	208	208	NA	5,762	5,744	3	15	10	31	24	7	9
1968.....		16,154	9,756	1,904	7,044	293	72	226	217	NA	6,346	6,326	4	16	9	35	26	9	8
1969.....		17,051	9,848	2,016	6,944	332	80	246	231	NA	7,150	7,127	5	18	8	38	28	10	7
1970.....		16,925	9,382	2,258	6,232	340	84	249	220	NA	7,489	7,466	5	18	7	40	30	10	6
1971.....		17,399	9,561	2,473	6,167	391	69	267	194	NA	7,780	7,757	4	19	9	42	33	9	8
1972.....		18,743	10,141	2,639	6,533	402	63	291	213	NA	8,533	8,510	4	19	14	44	35	9	12
1973.....		20,197	10,311	2,657	6,621	399	71	296	268	NA	9,798	9,773	5	20	20	51	38	13	18
1974.....		21,504	10,506	2,765	6,553	479	75	321	314	NA	10,896	10,868	7	22	25	57	42	15	20
1975.....		22,706	10,993	2,890	6,783	535	83	373	330	NA	11,600	11,569	8	23	27	63	47	16	22
1976.....		25,085	12,035	2,972	7,522	654	100	447	341	NA	12,927	12,890	12	25	31	68	52	16	24
1977.....		27,667	13,153	3,188	8,275	675	153	503	359	NA	14,370	14,328	15	27	40	76	58	19	28
1978.....		31,056	14,383	3,676	8,756	753	254	542	403	NA	16,504	16,460	15	30	49	88	64	24	32
1979.....		35,445	16,064	3,944	9,888	810	336	603	483	NA	19,193	19,145	16	32	56	99	71	28	34
1980.....		40,678	17,517	4,072	10,957	882	362	719	525	NA	22,945	22,891	19	35	68	110	79	31	38
1981.....		46,047	19,984	4,530	12,791	950	386	778	549	NA	25,817	25,756	24	37	80	123	88	35	44
1982.....		51,679	22,123	5,178	14,215	989	397	745	599	NA	29,286	29,219	27	40	88	137	98	39	46
1983.....		57,540	24,627	6,106	15,522	1,054	399	832	715	NA	32,617	32,542	31	44	97	151	109	43	47
1984.....		66,261	28,120	7,078	17,640	1,056	435	986	925	NA	37,815	37,731	37	47	108	167	120	47	51
1985.....		74,417	32,200	8,011	20,258	1,102	486	1,244	1,100	NA	41,857	41,762	43	51	120	183	134	49	57
1986.....		75,754	33,891	8,275	21,517	1,145	513	1,504	938	NA	41,460	41,354	50	55	136	201	149	53	65
1987.....		79,804	36,567	8,176	24,122	1,230	599	1,670	771	NA	42,784	42,667	57	60	155	226	165	61	73
1988.....		84,566	37,285	8,864	23,719	1,414	698	1,762	407	420	46,765	46,634	66	65	180	255	183	71	83
1989.....		87,723	35,320	9,355	21,049	1,423	773	1,782	507	430	51,822	51,676	76	70	205	285	203	81	92
1990.....		94,067	33,858	9,700	18,966	1,438	909	1,735	619	490	59,568	59,410	83	75	226	315	226	89	99
1991.....		95,104	31,219	8,778	17,256	1,383	1,011	1,537	722	533	63,197	63,030	86	82	239	345	251	94	103
1992.....		99,810	31,514	9,098	17,181	1,372	1,054	1,452	758	599	67,567	67,388	91	88	246	378	279	100	105
1993.....		99,704	30,053	9,071	16,083	1,038	1,126	1,374	787	574	68,866	68,674	97	95	259	416	309	107	109

U.S. development expenditures, by source of funds and performing sector: 1953–2004

(Millions of current 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 ^b	Nonprofit FFRDCs ^b	Total	Industry ^e	U&C ^c	Nonprofit	U&C ^c	Total	Nonprofit	U&C ^c	U&C ^c
1994.....		102,936	30,206	8,823	16,209	1,196	1,212	1,378	815	573	71,886	71,681	102	103	276	455	343	112	114
1995.....		113,077	32,435	9,262	17,824	1,208	1,178	1,616	744	603	79,738	79,518	108	111	288	495	381	113	123
1996.....		121,375	31,372	9,033	17,066	1,358	1,127	1,520	698	571	89,032	88,797	115	120	305	538	423	115	128
1997.....		128,677	32,270	9,077	18,121	1,292	1,056	1,454	687	585	95,332	95,063	114	155	305	649	536	112	121
1998.....		146,023	32,728	9,214	18,452	1,280	987	1,527	760	507	112,179	111,896	114	170	302	699	586	112	115
1999.....		154,055	30,294	8,974	16,637	1,142	713	1,636	726	467	122,543	122,236	119	188	320	778	658	120	120
2000.....		167,792	25,878	8,047	13,549	1,146	452	1,539	513	632	140,570	140,235	121	214	347	871	741	130	125
2001.....		165,168	25,947	9,114	12,542	534	502	1,637	675	945	137,747	137,410	121	217	376	965	825	140	132
2002.....		173,977	27,310	9,501	13,061	597	527	1,703	890	1,031	145,054	144,727	120	207	409	1,061	908	153	142
2003.....		174,677	29,146	10,686	13,889	607	553	1,754	523	1,133	143,790	143,454	122	214	445	1,142	976	166	154
2004.....		187,349	31,993	11,447	15,792	610	543	1,778	534	1,288	153,498	153,147	122	229	468	1,224	1,048	176	165

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, e.g., nonfederal government support to nonprofits is included in nonprofit support for their own R&D.

^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.

^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).

Science and Engineering Indicators 2006.