

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

(Millions of current dollars)

Year	Funding sector:																		
	Performing sector:	Total	Federal							Industry				U&C	Nonprofit		Nonfederal ^a		
	Total	Total	Federal	Industry ^b	FFRDCs ^b	U&C ^c	U&C FFRDCs ^d	Non-profit ^b	Nonprofit FFRDCs ^{b,e}	Total	Industry ^f	U&C ^c	Nonprofit	U&C ^c	Total	Nonprofit	U&C ^c	U&C ^c	
1953.....	5,160	2,783	1,015	1,430	NA	149	131	58	NA	2,247	2,200	21	26	37	55	28	27	40	
1954.....	5,617	3,098	963	1,750	NA	165	161	61	NA	2,375	2,320	24	31	40	60	31	29	45	
1955.....	6,281	3,603	973	2,057	123	191	187	64	9	2,522	2,460	27	35	42	64	32	32	50	
1956.....	8,500	4,978	1,131	2,995	333	221	217	71	11	3,346	3,277	32	37	46	74	38	36	57	
1957.....	9,908	6,233	1,297	3,928	407	242	267	79	14	3,470	3,396	37	37	51	91	51	40	64	
1958.....	10,915	6,974	1,507	4,436	323	280	316	95	18	3,707	3,630	39	38	56	107	62	45	72	
1959.....	12,490	8,167	1,681	5,217	418	356	349	125	22	4,065	3,983	40	42	61	117	67	50	81	
1960.....	13,711	8,915	1,801	5,604	477	453	385	148	48	4,516	4,428	40	48	67	123	68	55	90	
1961.....	14,564	9,484	1,987	5,685	555	557	440	169	92	4,757	4,668	40	49	75	148	86	62	101	
1962.....	15,636	10,138	2,188	6,008	426	687	500	200	130	5,124	5,029	41	54	84	179	109	70	112	
1963.....	17,519	11,646	2,559	6,856	414	839	580	234	165	5,456	5,360	41	55	96	197	119	78	125	
1964.....	19,103	12,764	2,965	7,257	463	995	629	250	205	5,888	5,792	41	55	114	200	112	88	138	
1965.....	20,252	13,194	3,156	7,367	373	1,167	630	286	215	6,549	6,445	42	62	136	225	124	101	150	
1966.....	22,072	14,165	3,308	7,977	355	1,335	652	329	210	7,331	7,216	45	70	165	252	138	114	160	
1967.....	23,346	14,563	3,444	7,946	419	1,491	696	342	225	8,146	8,020	52	74	200	271	145	126	168	
1968.....	24,666	14,964	3,497	8,145	415	1,586	722	364	235	9,008	8,869	58	81	221	290	151	139	185	
1969.....	25,996	15,228	3,790	7,987	464	1,624	731	388	245	10,011	9,857	61	93	233	316	161	155	208	
1970.....	26,271	14,984	4,154	7,306	473	1,686	727	410	230	10,449	10,288	66	95	259	343	172	171	237	
1971.....	26,952	15,210	4,409	7,175	491	1,760	735	427	215	10,824	10,654	72	98	290	366	184	182	262	
1972.....	28,740	16,039	4,676	7,469	548	1,890	785	472	200	11,715	11,535	79	101	312	393	198	195	282	
1973.....	30,952	16,587	4,837	7,600	545	2,009	841	566	190	13,299	13,104	90	105	343	422	211	211	302	
1974.....	33,359	17,287	5,132	7,572	648	2,160	926	639	210	14,885	14,667	104	114	393	474	235	239	320	
1975.....	35,671	18,533	5,561	7,878	727	2,400	1,067	675	225	15,824	15,582	118	124	432	534	262	272	348	
1976.....	39,435	20,292	5,890	8,671	890	2,619	1,266	711	245	17,702	17,436	131	135	480	592	292	300	369	
1977.....	43,338	22,071	6,211	9,523	962	2,893	1,467	740	275	19,642	19,340	155	147	569	663	326	337	394	
1978.....	48,719	24,414	6,962	10,107	1,082	3,329	1,772	830	333	22,457	22,115	182	160	679	727	363	364	443	
1979.....	55,379	27,225	7,471	11,354	1,164	3,848	2,013	985	390	26,097	25,708	215	174	785	791	405	386	482	
1980.....	63,213	29,975	7,831	12,752	1,277	4,335	2,306	1,000	475	30,929	30,476	264	190	920	871	452	419	519	
1981.....	72,269	33,715	8,605	14,997	1,385	4,670	2,484	1,038	538	35,948	35,428	314	206	1,058	967	504	463	581	
1982.....	80,783	37,168	9,501	17,061	1,484	4,879	2,544	1,175	525	40,692	40,105	363	224	1,207	1,095	562	534	621	
1983.....	89,971	41,472	10,830	19,095	1,585	5,210	2,840	1,313	600	45,264	44,588	432	244	1,357	1,221	626	595	658	
1984.....	102,251	46,477	11,916	21,657	1,739	5,748	3,243	1,550	625	52,187	51,404	518	266	1,514	1,351	698	654	721	
1985.....	114,685	52,655	13,093	25,333	1,863	6,388	3,616	1,700	663	57,962	57,043	630	289	1,743	1,491	778	713	834	
1986.....	120,259	54,633	13,504	26,000	1,891	7,028	3,973	1,700	538	60,991	59,932	745	314	2,019	1,648	868	780	969	
1987.....	126,344	58,593	13,588	28,757	1,995	7,768	4,287	1,696	501	62,576	61,403	831	342	2,262	1,849	967	882	1,065	
1988.....	133,880	60,130	14,342	28,221	2,122	8,592	4,581	1,762	510	67,977	66,672	933	372	2,527	2,081	1,078	1,003	1,165	
1989.....	141,889	60,464	15,231	26,359	2,195	9,315	4,756	2,062	547	74,966	73,501	1,061	405	2,852	2,333	1,202	1,131	1,274	
1990.....	151,990	61,607	15,671	25,802	2,323	9,936	4,894	2,346	636	83,208	81,602	1,166	440	3,187	2,589	1,340	1,249	1,399	
1991.....	160,872	60,780	15,249	24,095	2,277	10,664	5,120	2,679	696	92,301	90,580	1,242	479	3,457	2,852	1,494	1,358	1,483	
1992.....	165,347	60,912	15,853	22,369	2,353	11,525	5,259	2,806	748	96,229	94,388	1,320	521	3,568	3,113	1,666	1,448	1,525	
1993.....	165,724	60,524	16,531	20,844	1,965	12,303	5,289	2,843	749	96,549	94,591	1,391	567	3,708	3,387	1,857	1,530	1,557	

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	Performing sector:	Total	Total	Federal	Industry ^b	Industry FFRDCs ^b	U&C ^c	U&C FFRDCs ^d	Non-profit ^e	Nonprofit FFRDCs ^{b,e}	Total	Industry ^f	U&C ^c	Nonprofit	U&C ^c	Total	Nonprofit	U&C ^c	U&C ^c		
1994.....		169,198	60,772	16,355	20,261	2,202	12,991	5,294	2,911	758	99,203	97,131	1,456	617	3,937	3,664	2,071	1,594	1,622		
1995.....		183,616	62,963	16,904	21,178	2,273	13,586	5,367	2,847	808	110,870	108,652	1,547	671	4,109	3,924	2,308	1,616	1,750		
1996.....		197,336	63,387	16,585	21,356	2,297	14,077	5,395	2,906	772	123,416	121,015	1,671	730	4,434	4,239	2,574	1,666	1,860		
1997.....		212,141	64,566	16,819	21,798	2,130	14,522	5,463	3,014	821	136,227	133,611	1,807	809	4,837	4,590	2,804	1,786	1,921		
1998.....		227,651	66,373	17,362	22,086	2,078	15,164	5,559	3,281	843	149,160	146,323	1,949	888	5,161	4,986	3,065	1,921	1,971		
1999.....		244,970	67,043	17,851	20,586	1,949	16,252	5,652	3,761	993	164,660	161,594	2,082	984	5,617	5,552	3,441	2,111	2,098		
2000.....		267,207	66,400	17,917	17,163	1,955	17,710	5,742	4,447	1,465	186,136	182,844	2,175	1,118	6,227	6,198	3,872	2,326	2,247		
2001.....		277,326	72,819	20,426	16,899	2,021	19,767	6,225	5,289	2,192	188,439	185,118	2,188	1,132	6,820	6,853	4,313	2,540	2,397		
2002.....		275,797	77,685	21,499	16,401	2,263	22,370	7,102	5,731	2,319	180,709	177,467	2,158	1,084	7,350	7,493	4,746	2,746	2,560		
2003.....		291,864	86,742	23,326	20,699	2,486	24,580	7,275	5,807	2,570	186,568	183,305	2,142	1,121	7,820	8,017	5,103	2,914	2,717		
2004.....		312,068	93,384	24,742	23,535	2,584	26,115	7,500	6,072	2,834	199,025	195,691	2,135	1,199	8,205	8,565	5,478	3,087	2,890		

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 1953–54 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 1953–63.

^cAdjustments made to university R&D for 1998 on to eliminate double counting of funds passed through from one academic institution to another. Data for 1998 on not directly comparable with data for 1997 and earlier. For FY 1998, \$479 million in passthrough funds reported. For FY 2004, \$1,207 million in passthrough funds estimated.

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

^eBeginning in 2001, data for nonprofit FFRDCs reported by FFRDCs. In prior years, data collected from federal agencies supporting them.

^fIndustry 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).