

U.S. R&D expenditures, by funding and performing sectors: 1953–2006

(Millions of current dollars)

Year	Funding sector:																			
	Performing sector:	Total	Federal								Industry				U&C	Nonprofit		Nonfederal ^g		
	Total	Total	Federal	Industry ^b	Industry FFRDCs ^b	U&C ^c	U&C FFRDCs ^d	Nonprofit ^e	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	1,130	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	11,645	2,558	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	662	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.....	63,224	29,986	7,831	12,752	1,277	4,335	2,306	1,017	469	30,929	30,476	264	189	920	871	452	419	519		
1981.....	72,292	33,739	8,605	14,997	1,385	4,670	2,484	1,075	524	35,948	35,428	314	206	1,058	967	504	463	581		
1982.....	80,748	37,133	9,501	17,061	1,484	4,879	2,544	1,129	536	40,692	40,105	363	224	1,207	1,095	561	534	621		
1983.....	89,950	41,451	10,830	19,095	1,585	5,210	2,840	1,306	585	45,264	44,588	432	244	1,357	1,220	626	595	658		
1984.....	102,244	46,470	11,916	21,657	1,739	5,748	3,243	1,548	620	52,187	51,404	518	265	1,514	1,351	698	654	721		
1985.....	114,671	52,641	13,093	25,333	1,863	6,388	3,616	1,694	655	57,962	57,043	630	289	1,743	1,491	778	713	834		
1986.....	120,249	54,622	13,504	26,000	1,891	7,028	3,973	1,686	541	60,991	59,932	745	314	2,019	1,647	867	780	969		
1987.....	126,360	58,609	13,588	28,757	1,995	7,768	4,287	1,704	509	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	92,300	90,580	1,242	479	3,457	2,852	1,494	1,358	1,483		

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	Total	Total	Federal							Industry				U&C	Nonprofit		Nonfederal ^a		
	Total	Total	Federal	Industry ^b	FFRDCs ^b	U&C ^c	U&C FFRDCs ^d	Nonprofit ^e	FFRDCs ^{b,e}	Total	Industry ^f	U&C ^c	Nonprofit	U&C ^c	Total	Nonprofit	U&C ^c	U&C ^c	
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.....	165,726	60,524	16,531	20,844	1,965	12,304	5,289	2,843	749	96,549	94,591	1,391	567	3,709	3,388	1,857	1,531	1,557	
1994.....	169,201	60,773	16,355	20,261	2,202	12,992	5,294	2,911	758	99,203	97,131	1,456	617	3,938	3,665	2,071	1,594	1,622	
1995.....	183,618	62,964	16,904	21,178	2,273	13,587	5,367	2,847	808	110,870	108,652	1,547	671	4,110	3,924	2,308	1,616	1,751	
1996.....	197,338	63,388	16,585	21,356	2,297	14,078	5,395	2,906	772	123,416	121,015	1,671	730	4,435	4,239	2,574	1,666	1,860	
1997.....	212,142	64,567	16,819	21,798	2,130	14,523	5,463	3,014	821	136,227	133,611	1,807	809	4,837	4,590	2,804	1,786	1,921	
1998.....	226,455	66,375	17,362	22,086	2,078	15,166	5,559	3,281	843	147,845	145,016	1,949	880	5,162	5,101	3,180	1,921	1,971	
1999.....	245,036	67,045	17,851	20,496	2,039	16,253	5,652	3,761	993	164,660	161,594	2,082	984	5,618	5,616	3,504	2,111	2,098	
2000.....	267,557	66,403	17,917	17,117	2,001	17,714	5,742	4,447	1,465	186,135	182,844	2,174	1,118	6,230	6,542	4,217	2,325	2,246	
2001.....	277,736	72,820	20,426	16,899	2,020	19,769	6,225	5,289	2,192	188,439	185,118	2,189	1,132	6,824	7,256	4,712	2,545	2,396	
2002.....	276,591	77,691	21,499	16,401	2,263	22,376	7,102	5,731	2,319	180,711	177,467	2,160	1,084	7,341	8,291	5,534	2,758	2,556	
2003.....	289,025	83,596	22,752	17,798	2,458	25,106	7,301	5,686	2,494	186,174	182,926	2,129	1,118	7,648	8,868	6,035	2,833	2,740	
2004.....	300,060	88,908	23,044	20,266	2,485	27,140	7,658	5,671	2,644	191,376	188,035	2,190	1,151	7,932	8,962	6,016	2,946	2,882	
2005.....	323,041	93,787	24,744	21,909	2,565	28,177	7,786	5,791	2,815	207,835	204,250	2,332	1,253	8,573	9,901	6,779	3,122	2,945	
2006.....	340,429	94,216	24,408	22,560	2,426	28,548	7,720	5,721	2,834	223,371	219,569	2,452	1,350	9,297	10,488	7,200	3,288	3,057	

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; 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 1953–63.

^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 2006, \$1,630 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 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).