

**Table 8. Federal obligations for research and development, by performer:
fiscal years 1951-2002**

[Dollars in thousands]

Fiscal years	Total	Intramural ¹	Extramural							
			Industrial firms excl FFRDCs	FFRDCs admin by industrial firms	Univ & col excluding FFRDCs	FFRDCs admin by univ & col	Nonprofit inst excl FFRDCs	FFRDCs admin by nonprofit inst	State and local govts	Foreign
1951	1,521,527	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	1,909,665	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	1,919,543	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	1,761,840	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	2,044,593	950,168	636,461	134,622	139,955	135,317	26,163	18,558	3,349	NA
1956	2,988,203	1,040,504	1,246,384	332,782	175,870	145,648	30,805	9,018	7,192	NA
1957	3,932,001	1,220,436	1,837,714	407,043	223,643	167,997	48,796	12,937	13,435	NA
1958	4,459,480	1,295,576	2,282,832	323,718	256,931	208,609	62,345	14,807	14,662	NA
1959	6,693,510	1,639,134	3,832,921	417,515	363,637	271,598	86,288	20,647	15,984	45,786
1960	7,551,746	1,723,071	4,356,843	476,784	459,055	323,748	116,530	23,205	13,282	59,228
1961	9,058,623	1,878,239	5,435,259	454,556	584,585	408,792	146,896	73,429	15,660	61,207
1962	10,289,947	2,096,340	6,135,919	425,766	762,577	507,949	174,663	112,322	15,826	58,585
1963	12,494,611	2,278,990	7,876,693	413,799	899,529	545,755	245,160	150,906	24,463	59,316
1964	14,225,354	2,837,947	8,693,011	443,209	1,077,338	586,867	308,196	177,683	40,178	60,925
1965	14,614,249	3,092,635	8,656,919	401,189	1,193,838	609,182	351,904	197,860	45,412	65,310
1966	15,320,334	3,219,691	9,027,049	359,069	1,350,738	643,232	394,293	196,616	75,995	53,651
1967	16,529,099	3,395,669	9,877,773	384,669	1,454,295	666,451	400,144	223,536	63,497	63,065
1968	15,921,208	3,493,145	9,046,982	414,245	1,487,410	713,729	377,475	234,497	100,218	53,507
1969	15,640,888	3,501,201	8,703,088	427,098	1,529,218	722,033	364,247	240,723	102,175	51,105
1970	15,338,937	4,079,314	7,770,131	430,703	1,475,564	751,126	444,851	247,439	99,581	40,228
1971	15,542,512	4,228,291	7,587,515	480,150	1,644,574	728,867	458,786	210,216	141,051	63,062
1972	16,495,895	4,589,200	7,716,047	529,897	1,903,546	760,559	514,893	215,437	206,706	59,610
1973	16,800,153	4,762,157	7,731,267	582,376	1,916,604	725,310	578,184	183,057	256,841	64,357
1974	17,410,128	4,910,901	7,752,337	592,827	2,213,957	789,136	672,224	199,324	214,369	65,053
1975	19,038,818	5,353,962	8,423,242	703,652	2,411,432	935,076	702,342	219,918	227,618	61,576
1976	20,779,658	5,768,719	9,340,294	813,844	2,551,801	1,061,115	708,583	231,038	231,165	73,099
1977	23,450,377	6,011,680	10,717,226	1,112,720	2,905,475	1,313,148	800,024	263,875	238,044	88,185
1978	25,845,137	6,810,422	11,399,984	1,242,482	3,374,631	1,311,945	998,178	315,917	268,410	123,168
1979	28,145,142	7,417,528	12,172,401	1,318,096	3,888,844	1,488,266	1,026,490	368,734	310,121	154,662
1980	29,830,432	7,632,333	12,969,145	1,408,062	4,263,432	1,533,309	1,105,568	441,836	265,542	211,205
1981	33,103,924	8,425,745	14,867,893	1,413,894	4,465,755	1,790,977	1,068,781	525,231	222,211	323,437
1982	36,432,589	9,141,030	17,192,224	1,506,426	4,605,472	1,976,671	1,091,651	520,573	184,265	214,277
1983	38,711,537	10,581,919	17,019,728	1,501,193	4,966,438	2,393,881	1,241,563	581,272	186,019	239,524
1984 ²	42,224,865	11,572,315	18,610,379	1,608,438	5,546,902	2,485,820	1,497,252	597,086	130,917	175,756
1985	48,359,565	12,945,444	21,704,865	1,790,792	6,339,720	2,816,413	1,699,249	689,190	129,380	244,512
1986	51,412,364	13,534,899	24,201,180	1,697,021	6,558,797	2,767,653	1,676,991	551,188	128,383	296,252
1987	55,253,693	13,413,064	26,768,186	1,859,963	7,337,252	3,209,624	1,711,417	510,644	148,244	295,299
1988	56,769,425	14,114,595	26,719,194	1,911,314	7,827,691	3,473,924	1,683,211	505,587	142,123	391,786
1989	61,406,484	15,024,605	28,547,918	2,056,329	8,671,966	3,497,050	1,999,854	521,952	167,429	919,381
1990	63,559,471	15,848,946	29,370,021	2,326,808	9,137,543	3,449,838	2,248,184	621,640	213,878	342,613
1991	61,295,152	15,138,167	26,420,584	2,168,256	10,168,539	3,603,818	2,637,402	679,417	215,072	263,897
1992	65,592,590	15,582,810	29,744,837	2,117,033	10,271,239	3,855,467	2,803,559	745,642	184,115	287,888
1993	67,314,025	16,663,337	30,219,004	1,451,326	11,208,385	3,614,191	2,811,867	753,411	320,325	272,179
1994	67,235,390	16,132,078	30,454,853	1,293,494	11,796,928	3,292,933	2,936,887	735,977	325,405	266,835
1995	68,186,798	17,024,793	30,236,111	1,201,800	11,927,548	3,561,614	2,834,133	825,071	316,483	259,245
1996	67,653,047	16,540,411	30,373,817	1,136,954	11,977,750	3,447,090	2,886,768	755,172	246,739	288,346
1997	69,826,779	16,718,190	31,419,278	1,128,234	12,558,953	3,701,010	2,961,569	820,963	261,072	257,510
1998 ³	72,100,724	17,121,536	31,998,611	1,188,851	13,380,730	3,890,155	3,171,256	602,987	447,466	299,132
1999	75,340,622	18,084,701	31,901,656	1,328,022	14,959,114	3,896,411	3,608,671	913,212	357,472	291,363
2000	72,863,318	17,149,790	27,735,107	1,100,867	16,821,011	4,053,157	4,211,247	1,231,465	224,004	336,670
2001 (Preliminary) ...	80,898,068	18,719,512	30,323,346	1,446,191	19,614,909	4,367,755	4,818,288	1,117,203	256,566	234,298
2002 (Preliminary) ...	80,645,451	18,285,234	29,814,961	1,397,383	20,198,874	4,213,818	5,090,898	1,118,941	269,265	256,077

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

³ On March 1, 1998, Brookhaven National Laboratory acquired a new nonprofit administrator (Brookhaven Science Associates, Inc.). The previous administrator was a university consortium.

KEY: FFRDCs = Federally funded research and development centers
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002