

**Table 37. Federal obligations for applied research, by performer:
fiscal years 1970-2002**

[Dollars in thousands]

Fiscal years	Total	Intramural ¹	Extramural							Foreign
			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	
1970	2,974,890	1,345,467	691,467	42,771	468,351	145,588	150,344	41,563	69,537	19,802
1971	3,143,030	1,322,489	722,386	46,448	550,815	131,217	196,864	49,845	79,232	43,734
1972	3,360,759	1,387,469	755,158	43,127	621,418	143,956	245,542	52,639	78,156	33,294
1973	3,349,423	1,480,388	711,187	29,328	642,866	126,182	217,683	46,796	68,095	26,898
1974	3,787,559	1,574,289	750,653	66,664	813,519	150,868	287,096	44,553	74,212	25,705
1975	4,141,281	1,730,268	891,740	87,844	818,157	167,964	266,442	50,992	97,898	29,976
1976	4,851,878	2,093,149	971,877	116,698	907,997	263,394	308,940	49,606	106,457	33,760
1977	5,255,475	2,043,582	1,159,126	139,104	1,028,440	346,185	349,633	49,907	99,574	39,924
1978	5,908,154	2,191,504	1,403,691	169,757	1,168,805	358,078	398,085	61,157	111,777	45,300
1979	6,342,340	2,392,106	1,484,877	178,338	1,253,450	406,994	382,326	66,652	119,708	57,889
1980	6,923,222	2,483,807	1,752,329	240,679	1,378,818	414,331	398,943	64,210	127,057	63,048
1981	7,171,485	2,732,372	1,665,390	278,066	1,416,921	450,037	392,057	59,066	102,782	74,794
1982	7,540,580	2,728,671	1,885,679	399,964	1,318,311	539,997	387,929	95,164	101,433	83,432
1983	7,993,394	3,020,422	1,821,297	439,688	1,355,637	646,095	427,319	77,121	104,678	101,137
1984 ²	7,911,414	2,903,604	1,759,531	405,373	1,498,865	667,042	449,046	79,075	60,039	88,839
1985	8,314,739	3,132,704	1,694,253	363,297	1,687,558	697,085	489,339	84,577	58,941	106,985
1986	8,349,123	3,141,466	1,768,844	364,507	1,751,371	567,565	490,753	74,948	60,017	129,652
1987	8,998,096	3,391,518	1,981,637	313,604	1,974,588	564,339	549,794	76,501	52,693	93,422
1988	9,176,527	3,288,117	2,045,577	322,171	2,154,613	575,016	571,336	65,188	60,395	94,114
1989	10,163,520	3,583,548	2,101,814	380,457	2,571,792	605,367	680,964	67,321	77,615	94,642
1990	10,336,771	3,515,218	2,304,156	367,481	2,588,361	564,281	735,902	78,385	76,069	106,918
1991	11,797,583	4,062,760	2,456,572	445,575	2,803,040	854,676	910,431	90,083	80,154	94,292
1992	12,000,734	4,185,665	2,530,871	437,630	2,728,897	957,629	952,479	74,459	66,906	66,198
1993	13,491,376	4,789,994	3,027,549	555,648	3,058,553	896,759	876,417	102,175	140,143	44,138
1994	13,887,733	4,983,324	2,954,381	499,572	3,299,427	845,075	969,229	104,009	155,533	77,183
1995	14,557,365	4,991,007	3,484,473	571,799	3,409,904	794,768	930,408	132,046	142,683	100,277
1996	13,795,729	4,836,495	3,160,341	423,447	3,263,107	863,986	944,339	119,370	107,259	77,385
1997	14,423,397	4,978,575	3,225,452	464,902	3,477,408	998,824	1,005,299	129,171	75,524	68,242
1998 ³	15,309,257	5,050,609	3,513,323	517,730	3,787,264	1,100,674	1,027,684	92,640	155,204	64,129
1999	16,083,861	5,430,649	3,497,012	565,817	4,096,710	988,588	1,156,697	114,628	171,009	62,751
2000	18,900,701	5,827,774	3,444,605	528,920	5,959,183	1,099,214	1,734,574	174,461	86,854	45,116
2001 (Preliminary) ...	21,131,300	6,479,420	3,592,211	657,593	6,878,737	1,217,458	1,992,080	166,182	96,784	50,835
2002 (Preliminary) ...	21,927,617	6,430,268	3,878,760	645,387	7,317,202	1,252,821	2,078,684	157,618	108,517	58,360

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

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