

Appendix table 5-9

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Federal obligations for academic research, by agency: 1970–2003

Year	All agencies	National Institutes of Health ^a	National Science Foundation	Department of Defense	National	Department of Energy ^b	Department of Agriculture	All other agencies
					Aeronautics and Space Administration			
Millions of current dollars								
1970	1,276	480	223	173	65	97	65	174
1971	1,430	551	254	184	70	90	72	210
1972	1,643	677	346	177	48	81	87	226
1973	1,691	749	370	161	80	79	94	158
1974	1,958	1,004	369	167	85	86	94	153
1975	2,079	1,036	420	165	91	112	108	148
1976	2,250	1,138	429	192	98	116	119	158
1977	2,584	1,269	505	221	105	134	139	211
1978	2,928	1,437	534	243	116	175	181	241
1979	3,333	1,657	612	271	125	204	198	266
1980	3,699	1,835	680	313	146	224	214	287
1981	3,920	1,929	698	363	157	248	240	284
1982	4,045	1,995	713	413	156	236	253	280
1983	4,468	2,246	783	472	170	273	273	250
1984	5,030	2,573	880	539	177	311	260	290
1985	5,726	2,990	1,002	587	213	336	292	305
1986	5,883	3,054	992	707	225	334	273	298
1987	6,640	3,651	1,096	681	263	372	279	298
1988	7,023	3,856	1,143	729	310	384	304	297
1989	7,793	4,167	1,254	840	387	437	326	382
1990	8,137	4,349	1,321	795	422	479	346	426
1991	8,868	4,729	1,436	794	474	596	384	456
1992	9,061	4,517	1,540	912	512	605	436	538
1993	9,892	5,253	1,562	1,090	539	547	429	472
1994	10,292	5,517	1,680	1,079	555	529	436	496
1995	10,354	5,481	1,734	1,047	588	558	431	516
1996	10,707	5,924	1,740	1,071	560	566	373	471
1997	11,173	6,309	1,819	945	596	552	437	515
1998	11,741	6,716	1,875	965	648	564	408	566
1999	13,204	7,733	2,076	989	745	562	482	617
2000	16,016	10,087	2,265	1,113	721	619	547	665
2001	18,657	11,528	2,498	1,697	812	695	643	785
2002 (estimated)	20,331	13,119	2,664	1,559	812	698	629	850
2003 (estimated)	22,229	15,229	2,790	1,345	812	707	567	780
Millions of constant 1996 dollars								
1970	4,480	1,686	784	606	230	339	227	609
1971	4,780	1,840	848	615	235	300	240	703
1972	5,245	2,162	1,105	564	154	259	279	722
1973	5,170	2,289	1,132	491	246	241	288	483
1974	5,589	2,866	1,053	477	242	244	269	437
1975	5,376	2,678	1,086	427	235	290	278	383
1976	5,434	2,749	1,036	463	236	281	288	382
1977	5,804	2,850	1,134	496	236	301	312	475
1978	6,157	3,022	1,123	510	245	367	381	508
1979	6,483	3,223	1,191	527	244	396	385	517
1980	6,607	3,277	1,215	558	261	400	383	512
1981	6,383	3,141	1,136	591	256	404	391	463
1982	6,156	3,035	1,085	628	237	359	385	427
1983	6,512	3,274	1,141	688	247	398	398	365
1984	7,070	3,617	1,237	757	249	438	365	408
1985	7,792	4,069	1,363	799	290	457	398	416
1986	7,817	4,058	1,318	940	299	444	363	397
1987	8,587	4,721	1,418	881	340	481	361	386
1988	8,794	4,829	1,432	913	388	481	381	371
1989	9,397	5,024	1,512	1,013	467	527	393	461
1990	9,456	5,054	1,535	924	490	557	402	495
1991	9,919	5,290	1,606	888	531	666	429	510
1992	9,876	4,924	1,679	994	558	660	475	586

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Federal obligations for academic research, by agency: 1970–2003

Year	All agencies	National Institutes of Health ^a	National Science Foundation	Department of Defense	National Aeronautics and Space Administration	Department of Energy ^b	Department of Agriculture	All other agencies
Millions of constant 1996 dollars								
1993	10,532	5,592	1,663	1,161	574	583	457	503
1994	10,725	5,750	1,751	1,124	579	551	454	517
1995	10,561	5,590	1,768	1,068	599	569	440	526
1996	10,707	5,924	1,740	1,071	560	566	373	471
1997	10,960	6,188	1,784	927	585	542	428	505
1998	11,356	6,496	1,813	933	626	545	395	548
1999	12,594	7,376	1,980	943	710	536	459	589
2000	14,988	9,439	2,120	1,041	675	579	512	622
2001	17,043	10,531	2,282	1,550	742	635	587	717
2002 (estimated)	18,433	11,894	2,415	1,414	736	633	571	770
2003 (estimated)	19,899	13,633	2,498	1,204	727	632	508	698
Percent distribution								
1970	100.0	37.6	17.5	13.5	5.1	7.6	5.1	13.6
1971	100.0	38.5	17.7	12.9	4.9	6.3	5.0	14.7
1972	100.0	41.2	21.1	10.8	2.9	4.9	5.3	13.8
1973	100.0	44.3	21.9	9.5	4.8	4.7	5.6	9.3
1974	100.0	51.3	18.8	8.5	4.3	4.4	4.8	7.8
1975	100.0	49.8	20.2	7.9	4.4	5.4	5.2	7.1
1976	100.0	50.6	19.1	8.5	4.3	5.2	5.3	7.0
1977	100.0	49.1	19.5	8.6	4.1	5.2	5.4	8.2
1978	100.0	49.1	18.2	8.3	4.0	6.0	6.2	8.2
1979	100.0	49.7	18.4	8.1	3.8	6.1	5.9	8.0
1980	100.0	49.6	18.4	8.5	3.9	6.1	5.8	7.8
1981	100.0	49.2	17.8	9.3	4.0	6.3	6.1	7.3
1982	100.0	49.3	17.6	10.2	3.9	5.8	6.3	6.9
1983	100.0	50.3	17.5	10.6	3.8	6.1	6.1	5.6
1984	100.0	51.2	17.5	10.7	3.5	6.2	5.2	5.8
1985	100.0	52.2	17.5	10.3	3.7	5.9	5.1	5.3
1986	100.0	51.9	16.9	12.0	3.8	5.7	4.6	5.1
1987	100.0	55.0	16.5	10.3	4.0	5.6	4.2	4.5
1988	100.0	54.9	16.3	10.4	4.4	5.5	4.3	4.2
1989	100.0	53.5	16.1	10.8	5.0	5.6	4.2	4.9
1990	100.0	53.4	16.2	9.8	5.2	5.9	4.2	5.2
1991	100.0	53.3	16.2	9.0	5.4	6.7	4.3	5.1
1992	100.0	49.9	17.0	10.1	5.6	6.7	4.8	5.9
1993	100.0	53.1	15.8	11.0	5.4	5.5	4.3	4.8
1994	100.0	53.6	16.3	10.5	5.4	5.1	4.2	4.8
1995	100.0	52.9	16.7	10.1	5.7	5.4	4.2	5.0
1996	100.0	55.3	16.3	10.0	5.2	5.3	3.5	4.4
1997	100.0	56.5	16.3	8.5	5.3	4.9	3.9	4.6
1998	100.0	57.2	16.0	8.2	5.5	4.8	3.5	4.8
1999	100.0	58.6	15.7	7.5	5.6	4.3	3.6	4.7
2000	100.0	63.0	14.1	6.9	4.5	3.9	3.4	4.1
2001	100.0	61.8	13.4	9.1	4.4	3.7	3.4	4.2
2002 (estimated)	100.0	64.5	13.1	7.7	4.0	3.4	3.1	4.2
2003 (estimated)	100.0	68.5	12.6	6.0	3.7	3.2	2.6	3.5

^aIncludes Alcohol, Drug Abuse, and Mental Health Administration.

^bData for 1970–73 are for Atomic Energy Commission; data for 1974–76 are for Energy Research and Development Administration; data for 1977 and thereafter are for U.S. Department of Energy.

NOTES: Academic research includes basic and applied research. Percents may not sum to 100 because of rounding. See appendix table 4-1 for gross domestic product implicit price deflators used to convert current dollars to constant 1996 dollars.

SOURCES: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), *Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003* (Arlington, VA, forthcoming); and NSF/SRS, *Federal Funds for Research and Development: Detailed Historical Tables: Fiscal Years 1951–2001*, NSF 01-334 (Arlington, VA, 2001), <http://www.nsf.gov/sbe/srs/nsf01334/start.htm>.