

Appendix table 5-7

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Federal obligations for academic research, by agency: 1970–2005

Year	All agencies	Department of Agriculture	Department of Defense	Department of Energy ^a	National Aeronautics and Space Administration	National Institutes of Health ^b	National Science Foundation	All other agencies
1970.....	1,276	65	173	97	65	480	223	174
1971.....	1,430	72	184	90	70	551	254	210
1972.....	1,643	87	177	81	48	677	346	226
1973.....	1,691	94	161	79	80	749	370	158
1974.....	1,958	94	167	86	85	1,004	369	153
1975.....	2,079	108	165	112	91	1,036	420	148
1976.....	2,250	119	192	116	98	1,138	429	158
1977.....	2,584	139	221	134	105	1,269	505	211
1978.....	2,928	181	243	175	116	1,437	534	241
1979.....	3,333	198	271	204	125	1,657	612	266
1980.....	3,699	214	313	224	146	1,835	680	287
1981.....	3,920	240	363	248	157	1,929	698	284
1982.....	4,045	253	413	236	156	1,995	713	280
1983.....	4,468	273	472	273	170	2,246	783	250
1984.....	5,030	260	539	311	177	2,573	880	290
1985.....	5,726	292	587	336	213	2,990	1,002	305
1986.....	5,883	273	707	334	225	3,054	992	298
1987.....	6,640	279	681	372	263	3,651	1,096	298
1988.....	7,023	304	729	384	310	3,856	1,143	297
1989.....	7,793	326	840	437	387	4,167	1,254	382
1990.....	8,137	346	795	479	422	4,349	1,321	426
1991.....	8,868	384	794	596	474	4,729	1,436	456
1992.....	9,061	436	912	605	512	4,517	1,540	538
1993.....	9,892	429	1,090	547	539	5,253	1,562	472
1994.....	10,292	436	1,079	529	555	5,517	1,680	496
1995.....	10,354	431	1,047	558	588	5,481	1,734	516
1996.....	10,707	373	1,071	566	560	5,924	1,740	471
1997.....	11,173	437	945	552	596	6,309	1,819	515
1998.....	11,739	408	963	564	648	6,716	1,875	566
1999.....	13,204	482	989	562	745	7,733	2,076	617
2000.....	16,022	547	1,113	619	721	10,087	2,265	670
2001.....	18,657	643	1,697	695	812	11,528	2,498	785
2002.....	20,285	581	1,591	702	933	13,062	2,696	721
2003.....	21,676	627	1,302	729	937	14,350	2,978	754
2004 (estimated).....	22,865	714	1,211	748	957	15,404	3,081	751
2005 (estimated).....	22,995	587	1,046	703	937	15,781	3,175	766
	Millions of constant 2000 dollars							
1970.....	4,722	241	640	359	241	1,776	825	644
1971.....	5,040	254	649	317	247	1,942	895	740
1972.....	5,530	293	596	273	162	2,279	1,165	761
1973.....	5,451	303	519	255	258	2,415	1,193	509
1974.....	5,887	283	502	259	256	3,019	1,109	460
1975.....	5,662	294	449	305	248	2,822	1,144	403
1976.....	5,715	302	488	295	249	2,891	1,090	401
1977.....	6,106	328	522	317	248	2,999	1,193	499
1978.....	6,483	401	538	387	257	3,182	1,182	534
1979.....	6,829	406	555	418	256	3,395	1,254	545
1980.....	6,968	403	590	422	275	3,457	1,281	541
1981.....	6,726	412	623	426	269	3,310	1,198	487
1982.....	6,496	406	663	379	251	3,204	1,145	450
1983.....	6,872	420	726	420	261	3,454	1,204	385
1984.....	7,461	386	799	461	263	3,817	1,305	430

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Year	All agencies	Department of Agriculture	Department of Defense	Department of Energy ^a	National	National	National	All other agencies
					Aeronautics and Space Administration	Institutes of Health ^b	Science Foundation	
Millions of constant 2000 dollars								
1985.....	8,226	419	843	483	306	4,296	1,440	438
1986.....	8,260	383	993	469	316	4,288	1,393	418
1987.....	9,085	382	932	509	360	4,995	1,500	408
1988.....	9,316	403	967	509	411	5,115	1,516	394
1989.....	9,951	416	1,073	558	494	5,321	1,601	488
1990.....	10,018	426	979	590	520	5,354	1,626	524
1991.....	10,523	456	942	707	562	5,612	1,704	541
1992.....	10,489	505	1,056	700	593	5,229	1,783	623
1993.....	11,201	486	1,234	619	610	5,948	1,769	534
1994.....	11,406	483	1,196	586	615	6,114	1,862	550
1995.....	11,234	468	1,136	605	638	5,947	1,881	560
1996.....	11,403	397	1,141	603	596	6,309	1,853	502
1997.....	11,695	457	989	578	624	6,604	1,904	539
1998.....	12,134	422	995	583	670	6,942	1,938	585
1999.....	13,473	492	1,009	573	760	7,890	2,118	630
2000.....	16,022	547	1,113	619	721	10,087	2,265	670
2001.....	18,237	629	1,659	679	794	11,268	2,442	767
2002.....	19,455	557	1,526	673	895	12,527	2,586	691
2003.....	20,424	591	1,227	687	883	13,521	2,806	710
2004 (estimated).....	21,137	660	1,120	691	885	14,240	2,848	694
2005 (estimated).....	20,830	532	948	637	849	14,295	2,876	694
Percent distribution								
1970.....	100.0	5.1	13.6	7.6	5.1	37.6	17.5	13.6
1971.....	100.0	5.0	12.9	6.3	4.9	38.5	17.8	14.7
1972.....	100.0	5.3	10.8	4.9	2.9	41.2	21.1	13.8
1973.....	100.0	5.6	9.5	4.7	4.7	44.3	21.9	9.3
1974.....	100.0	4.8	8.5	4.4	4.3	51.3	18.8	7.8
1975.....	100.0	5.2	7.9	5.4	4.4	49.8	20.2	7.1
1976.....	100.0	5.3	8.5	5.2	4.4	50.6	19.1	7.0
1977.....	100.0	5.4	8.6	5.2	4.1	49.1	19.5	8.2
1978.....	100.0	6.2	8.3	6.0	4.0	49.1	18.2	8.2
1979.....	100.0	5.9	8.1	6.1	3.8	49.7	18.4	8.0
1980.....	100.0	5.8	8.5	6.1	3.9	49.6	18.4	7.8
1981.....	100.0	6.1	9.3	6.3	4.0	49.2	17.8	7.2
1982.....	100.0	6.3	10.2	5.8	3.9	49.3	17.6	6.9
1983.....	100.0	6.1	10.6	6.1	3.8	50.3	17.5	5.6
1984.....	100.0	5.2	10.7	6.2	3.5	51.2	17.5	5.8
1985.....	100.0	5.1	10.3	5.9	3.7	52.2	17.5	5.3
1986.....	100.0	4.6	12.0	5.7	3.8	51.9	16.9	5.1
1987.....	100.0	4.2	10.3	5.6	4.0	55.0	16.5	4.5
1988.....	100.0	4.3	10.4	5.5	4.4	54.9	16.3	4.2
1989.....	100.0	4.2	10.8	5.6	5.0	53.5	16.1	4.9
1990.....	100.0	4.3	9.8	5.9	5.2	53.4	16.2	5.2
1991.....	100.0	4.3	9.0	6.7	5.3	53.3	16.2	5.1
1992.....	100.0	4.8	10.1	6.7	5.7	49.9	17.0	5.9
1993.....	100.0	4.3	11.0	5.5	5.4	53.1	15.8	4.8
1994.....	100.0	4.2	10.5	5.1	5.4	53.6	16.3	4.8
1995.....	100.0	4.2	10.1	5.4	5.7	52.9	16.7	5.0
1996.....	100.0	3.5	10.0	5.3	5.2	55.3	16.3	4.4
1997.....	100.0	3.9	8.5	4.9	5.3	56.5	16.3	4.6
1998.....	100.0	3.5	8.2	4.8	5.5	57.2	16.0	4.8
1999.....	100.0	3.7	7.5	4.3	5.6	58.6	15.7	4.7
2000.....	100.0	3.4	6.9	3.9	4.5	63.0	14.1	4.2

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Year	All agencies	Department of Agriculture	Department of Defense	Department of Energy ^a	National Aeronautics and Space Administration	National Institutes of Health ^b	National Science Foundation	All other agencies
					Percent distribution	Percent distribution	Percent distribution	
2001.....	100.0	3.4	9.1	3.7	4.4	61.8	13.4	4.2
2002.....	100.0	2.9	7.8	3.5	4.6	64.4	13.3	3.6
2003.....	100.0	2.9	6.0	3.4	4.3	66.2	13.7	3.5
2004 (estimated)	100.0	3.1	5.3	3.3	4.2	67.4	13.5	3.3
2005 (estimated)	100.0	2.6	4.5	3.1	4.1	68.6	13.8	3.3

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

^bIncludes Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA), an agency in the U.S. Department of Health and Human Services replaced in 1992 by the Substance Abuse and Mental Health Services Administration. Three research entities of ADAMHA (National Institute of Mental Health, National Institute on Alcohol Abuse and Alcoholism, and National Institute on Drug Abuse) were merged at that time into National Institutes of Health.

NOTES: Academic research includes basic and applied research. Detail may not add to total because of rounding. See appendix table 4-1 for gross domestic product implicit price deflators used to convert current dollars to constant 2000 dollars.

SOURCES: National Science Foundation, Division of Science Resources Statistics, *Federal Funds for Research and Development: Fiscal Years 2003, 2004, and 2005* (forthcoming); and *Federal Funds for Research and Development: Detailed Historical Tables: Fiscal Years 1951–2002*, NSF 03-325 (2003), <http://www.nsf.gov/statistics/nsf03325/start.htm>.

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