

Appendix table 5-6

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Federal obligations for academic R&D, by agency: 1970–2005

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 current dollars								
1970.....	1,476	65	216	100	131	518	228	217
1971.....	1,645	72	211	94	134	603	267	264
1972.....	1,904	87	217	85	119	756	362	277
1973.....	1,917	94	204	83	111	761	374	289
1974.....	2,214	95	197	94	99	1,027	389	312
1975.....	2,411	108	203	132	108	1,077	435	348
1976.....	2,552	120	240	145	119	1,185	437	307
1977.....	2,905	140	273	188	118	1,311	511	364
1978.....	3,375	186	383	240	127	1,493	537	408
1979.....	3,889	200	438	260	139	1,880	617	355
1980.....	4,263	216	495	285	158	2,012	685	412
1981.....	4,466	243	573	300	171	2,101	702	376
1982.....	4,605	255	664	277	186	2,140	715	369
1983.....	4,966	275	724	297	189	2,392	783	306
1984.....	5,547	261	830	321	204	2,715	880	335
1985.....	6,340	293	940	357	237	3,158	1,002	352
1986.....	6,559	274	1,098	345	254	3,243	992	355
1987.....	7,337	280	1,017	386	294	3,903	1,096	361
1988.....	7,828	305	1,071	406	338	4,199	1,143	366
1989.....	8,672	328	1,189	454	434	4,565	1,254	449
1990.....	9,138	348	1,213	500	471	4,779	1,321	505
1991.....	10,169	386	1,152	621	534	5,521	1,436	520
1992.....	10,271	438	1,403	640	586	5,064	1,540	600
1993.....	11,208	433	1,616	583	614	5,848	1,562	553
1994.....	11,797	439	1,703	565	641	6,191	1,680	577
1995.....	11,928	435	1,589	594	708	6,271	1,734	597
1996.....	11,978	376	1,447	601	665	6,620	1,740	529
1997.....	12,559	441	1,345	583	719	7,057	1,819	595
1998.....	13,381	415	1,419	623	787	7,565	1,875	697
1999.....	14,959	492	1,474	630	787	8,762	2,076	739
2000.....	16,821	554	1,606	668	845	10,087	2,265	796
2001.....	19,588	652	2,285	743	942	11,528	2,498	939
2002.....	21,290	592	2,219	762	1,075	13,062	2,696	885
2003.....	22,687	634	1,934	790	1,096	14,350	2,978	904
2004 (estimated).....	23,954	722	1,913	805	1,116	15,404	3,081	913
2005 (estimated).....	23,894	592	1,575	751	1,096	15,781	3,175	923
Millions of constant 2000 dollars								
1970.....	5,462	241	799	370	485	1,917	844	803
1971.....	5,798	254	744	331	472	2,125	941	931
1972.....	6,409	293	730	286	401	2,545	1,218	932
1973.....	6,180	303	658	268	358	2,453	1,206	932
1974.....	6,657	286	592	283	298	3,088	1,170	938
1975.....	6,566	294	553	359	294	2,933	1,185	948
1976.....	6,483	305	610	368	302	3,010	1,110	780
1977.....	6,865	331	645	444	279	3,098	1,208	860
1978.....	7,473	412	848	531	281	3,306	1,189	903
1979.....	7,969	410	897	533	285	3,852	1,264	727
1980.....	8,031	407	933	537	298	3,790	1,290	776
1981.....	7,663	417	983	515	293	3,605	1,205	645
1982.....	7,395	410	1,066	445	299	3,437	1,148	593
1983.....	7,638	423	1,114	457	291	3,679	1,204	471
1984.....	8,228	387	1,231	476	303	4,027	1,305	497

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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.....	9,108	421	1,350	513	340	4,537	1,440	506
1986.....	9,209	385	1,542	484	357	4,553	1,393	498
1987.....	10,039	383	1,392	528	402	5,340	1,500	494
1988.....	10,384	405	1,421	539	448	5,570	1,516	486
1989.....	11,073	419	1,518	580	554	5,829	1,601	573
1990.....	11,250	428	1,493	616	580	5,884	1,626	622
1991.....	12,067	458	1,367	737	634	6,551	1,704	617
1992.....	11,889	507	1,624	741	678	5,862	1,783	695
1993.....	12,691	490	1,830	660	695	6,622	1,769	626
1994.....	13,074	487	1,887	626	710	6,861	1,862	639
1995.....	12,941	472	1,724	644	768	6,804	1,881	648
1996.....	12,757	400	1,541	640	708	7,051	1,853	563
1997.....	13,146	462	1,408	610	753	7,387	1,904	623
1998.....	13,832	429	1,467	644	814	7,820	1,938	720
1999.....	15,263	502	1,504	643	803	8,940	2,118	754
2000.....	16,821	554	1,606	668	845	10,087	2,265	796
2001.....	19,147	637	2,234	726	921	11,268	2,442	918
2002.....	20,419	568	2,128	731	1,031	12,527	2,586	849
2003.....	21,376	597	1,822	744	1,033	13,521	2,806	852
2004 (estimated).....	22,144	667	1,768	744	1,032	14,240	2,848	844
2005 (estimated).....	21,644	536	1,427	680	993	14,295	2,876	836
Percent distribution								
1970.....	100.0	4.4	14.6	6.8	8.9	35.1	15.4	14.7
1971.....	100.0	4.4	12.8	5.7	8.1	36.7	16.2	16.0
1972.....	100.0	4.6	11.4	4.5	6.3	39.7	19.0	14.5
1973.....	100.0	4.9	10.6	4.3	5.8	39.7	19.5	15.1
1974.....	100.0	4.3	8.9	4.2	4.5	46.4	17.6	14.1
1975.....	100.0	4.5	8.4	5.5	4.5	44.7	18.0	14.4
1976.....	100.0	4.7	9.4	5.7	4.7	46.4	17.1	12.0
1977.....	100.0	4.8	9.4	6.5	4.1	45.1	17.6	12.5
1978.....	100.0	5.5	11.3	7.1	3.8	44.2	15.9	12.1
1979.....	100.0	5.1	11.3	6.7	3.6	48.3	15.9	9.1
1980.....	100.0	5.1	11.6	6.7	3.7	47.2	16.1	9.7
1981.....	100.0	5.4	12.8	6.7	3.8	47.0	15.7	8.4
1982.....	100.0	5.5	14.4	6.0	4.0	46.5	15.5	8.0
1983.....	100.0	5.5	14.6	6.0	3.8	48.2	15.8	6.2
1984.....	100.0	4.7	15.0	5.8	3.7	48.9	15.9	6.0
1985.....	100.0	4.6	14.8	5.6	3.7	49.8	15.8	5.6
1986.....	100.0	4.2	16.7	5.3	3.9	49.4	15.1	5.4
1987.....	100.0	3.8	13.9	5.3	4.0	53.2	14.9	4.9
1988.....	100.0	3.9	13.7	5.2	4.3	53.6	14.6	4.7
1989.....	100.0	3.8	13.7	5.2	5.0	52.6	14.5	5.2
1990.....	100.0	3.8	13.3	5.5	5.2	52.3	14.5	5.5
1991.....	100.0	3.8	11.3	6.1	5.3	54.3	14.1	5.1
1992.....	100.0	4.3	13.7	6.2	5.7	49.3	15.0	5.8
1993.....	100.0	3.9	14.4	5.2	5.5	52.2	13.9	4.9
1994.....	100.0	3.7	14.4	4.8	5.4	52.5	14.2	4.9
1995.....	100.0	3.6	13.3	5.0	5.9	52.6	14.5	5.0
1996.....	100.0	3.1	12.1	5.0	5.6	55.3	14.5	4.4
1997.....	100.0	3.5	10.7	4.6	5.7	56.2	14.5	4.7
1998.....	100.0	3.1	10.6	4.7	5.9	56.5	14.0	5.2
1999.....	100.0	3.3	9.9	4.2	5.3	58.6	13.9	4.9
2000.....	100.0	3.3	9.5	4.0	5.0	60.0	13.5	4.7

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Federal obligations for academic R&D, 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
					Percent distribution	Percent distribution	Percent distribution	
2001.....	100.0	3.3	11.7	3.8	4.8	58.9	12.8	4.8
2002.....	100.0	2.8	10.4	3.6	5.0	61.4	12.7	4.2
2003.....	100.0	2.8	8.5	3.5	4.8	63.3	13.1	4.0
2004 (estimated)	100.0	3.0	8.0	3.4	4.7	64.3	12.9	3.8
2005 (estimated)	100.0	2.5	6.6	3.1	4.6	66.0	13.3	3.9

^aData for 1970–73 for Atomic Energy Commission; data for 1974–76 for Energy Research and Development Administration; data for 1977 and thereafter for 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: 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>.