

Appendix table 5-8

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## Federal obligations for academic R&amp;D, by agency: 1970–2003

Year	All agencies	National Institutes of Health <sup>a</sup>	National Science Foundation	Department of Defense	National Aeronautics and Space Administration	Department of Energy <sup>b</sup>	Department of Agriculture	All other agencies
Millions of current dollars								
1970 .....	1,476	518	228	216	131	100	65	217
1971 .....	1,645	603	267	211	134	94	72	264
1972 .....	1,904	756	362	217	119	85	87	277
1973 .....	1,917	761	374	204	111	83	94	289
1974 .....	2,214	1,027	389	197	99	94	95	312
1975 .....	2,411	1,077	435	203	108	132	108	348
1976 .....	2,552	1,185	437	240	119	145	120	307
1977 .....	2,905	1,311	511	273	118	188	140	364
1978 .....	3,375	1,493	537	383	127	240	186	408
1979 .....	3,889	1,880	617	438	139	260	200	355
1980 .....	4,263	2,012	685	495	158	285	216	412
1981 .....	4,466	2,101	702	573	171	300	243	376
1982 .....	4,605	2,140	715	664	186	277	255	369
1983 .....	4,966	2,392	783	724	189	297	275	306
1984 .....	5,547	2,715	880	830	204	321	261	335
1985 .....	6,340	3,158	1,002	940	237	357	293	352
1986 .....	6,559	3,243	992	1,098	254	345	274	355
1987 .....	7,337	3,903	1,096	1,017	294	386	280	361
1988 .....	7,828	4,199	1,143	1,071	338	406	305	366
1989 .....	8,672	4,565	1,254	1,189	434	454	328	449
1990 .....	9,138	4,779	1,321	1,213	471	500	348	505
1991 .....	10,169	5,521	1,436	1,152	534	621	386	520
1992 .....	10,271	5,064	1,540	1,403	586	640	438	600
1993 .....	11,208	5,848	1,562	1,616	614	583	433	553
1994 .....	11,797	6,191	1,680	1,703	641	565	439	577
1995 .....	11,928	6,271	1,734	1,589	708	594	435	597
1996 .....	11,978	6,620	1,740	1,447	665	601	376	529
1997 .....	12,559	7,057	1,819	1,345	719	583	441	595
1998 .....	13,366	7,565	1,875	1,422	787	623	415	679
1999 .....	14,959	8,762	2,076	1,474	787	630	492	739
2000 .....	16,815	10,087	2,265	1,606	845	668	554	790
2001 .....	19,588	11,528	2,498	2,285	942	743	652	939
2002 (estimated) .....	21,344	13,119	2,664	2,207	942	746	639	1,027
2003 (estimated) .....	23,055	15,229	2,790	1,845	942	749	575	925
Millions of constant 1996 dollars								
1970 .....	5,179	1,817	800	759	461	352	227	762
1971 .....	5,497	2,017	891	705	448	314	240	882
1972 .....	6,078	2,414	1,157	692	380	270	279	885
1973 .....	5,859	2,327	1,145	623	340	253	288	883
1974 .....	6,318	2,931	1,111	563	282	268	270	892
1975 .....	6,236	2,784	1,125	526	279	341	280	901
1976 .....	6,164	2,861	1,055	581	287	351	289	741
1977 .....	6,528	2,946	1,148	614	264	423	315	818
1978 .....	7,096	3,139	1,129	806	267	505	392	857
1979 .....	7,563	3,657	1,199	852	270	506	389	691
1980 .....	7,615	3,593	1,223	885	282	509	387	736
1981 .....	7,271	3,420	1,143	933	279	489	395	611
1982 .....	7,008	3,256	1,088	1,010	282	422	388	562
1983 .....	7,239	3,486	1,141	1,055	276	433	401	447
1984 .....	7,797	3,817	1,237	1,167	287	451	367	472
1985 .....	8,627	4,297	1,363	1,279	323	486	399	480
1986 .....	8,715	4,308	1,318	1,459	338	458	363	471
1987 .....	9,488	5,048	1,418	1,315	380	500	362	467
1988 .....	9,802	5,258	1,432	1,341	423	508	382	458
1989 .....	10,457	5,505	1,512	1,433	523	547	395	541
1990 .....	10,619	5,554	1,535	1,410	547	582	405	587
1991 .....	11,374	6,176	1,606	1,288	597	694	432	581

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**Federal obligations for academic R&D, by agency: 1970–2003**

Year	All agencies	National Institutes of Health <sup>a</sup>	National Science Foundation	Department of Defense	National Aeronautics and Space Administration	Department of Energy <sup>b</sup>	Department of Agriculture	All other agencies
	Millions of constant 1996 dollars							
1992 .....	11,196	5,520	1,679	1,529	639	698	477	654
1993 .....	11,933	6,226	1,663	1,720	653	621	461	589
1994 .....	12,294	6,452	1,751	1,775	668	589	457	601
1995 .....	12,166	6,396	1,768	1,621	722	606	444	609
1996 .....	11,978	6,620	1,740	1,447	665	601	376	529
1997 .....	12,319	6,922	1,784	1,319	705	572	432	583
1998 .....	12,928	7,317	1,813	1,376	761	603	402	656
1999 .....	14,268	8,357	1,981	1,406	750	601	469	704
2000 .....	15,736	9,439	2,120	1,503	791	625	518	740
2001 .....	17,893	10,531	2,282	2,088	861	679	596	858
2002 (estimated) .....	19,352	11,894	2,415	2,001	854	676	579	931
2003 (estimated) .....	20,639	13,633	2,498	1,651	844	671	515	828
	Percent distribution							
1970 .....	100.0	35.1	15.4	14.7	8.9	6.8	4.4	14.7
1971 .....	100.0	36.7	16.2	12.8	8.2	5.7	4.4	16.0
1972 .....	100.0	39.7	19.0	11.4	6.3	4.4	4.6	14.6
1973 .....	100.0	39.7	19.5	10.6	5.8	4.3	4.9	15.1
1974 .....	100.0	46.4	17.6	8.9	4.5	4.2	4.3	14.1
1975 .....	100.0	44.6	18.0	8.4	4.5	5.5	4.5	14.4
1976 .....	100.0	46.4	17.1	9.4	4.7	5.7	4.7	12.0
1977 .....	100.0	45.1	17.6	9.4	4.0	6.5	4.8	12.5
1978 .....	100.0	44.2	15.9	11.4	3.8	7.1	5.5	12.1
1979 .....	100.0	48.4	15.9	11.3	3.6	6.7	5.1	9.1
1980 .....	100.0	47.2	16.1	11.6	3.7	6.7	5.1	9.7
1981 .....	100.0	47.0	15.7	12.8	3.8	6.7	5.4	8.4
1982 .....	100.0	46.5	15.5	14.4	4.0	6.0	5.5	8.0
1983 .....	100.0	48.2	15.8	14.6	3.8	6.0	5.5	6.2
1984 .....	100.0	49.0	15.9	15.0	3.7	5.8	4.7	6.0
1985 .....	100.0	49.8	15.8	14.8	3.7	5.6	4.6	5.6
1986 .....	100.0	49.4	15.1	16.7	3.9	5.3	4.2	5.4
1987 .....	100.0	53.2	14.9	13.9	4.0	5.3	3.8	4.9
1988 .....	100.0	53.6	14.6	13.7	4.3	5.2	3.9	4.7
1989 .....	100.0	52.6	14.5	13.7	5.0	5.2	3.8	5.2
1990 .....	100.0	52.3	14.5	13.3	5.2	5.5	3.8	5.5
1991 .....	100.0	54.3	14.1	11.3	5.2	6.1	3.8	5.1
1992 .....	100.0	49.3	15.0	13.7	5.7	6.2	4.3	5.8
1993 .....	100.0	52.2	13.9	14.4	5.5	5.2	3.9	4.9
1994 .....	100.0	52.5	14.2	14.4	5.4	4.8	3.7	4.9
1995 .....	100.0	52.6	14.5	13.3	5.9	5.0	3.6	5.0
1996 .....	100.0	55.3	14.5	12.1	5.5	5.0	3.1	4.4
1997 .....	100.0	56.2	14.5	10.7	5.7	4.6	3.5	4.7
1998 .....	100.0	56.6	14.0	10.6	5.9	4.7	3.1	5.1
1999 .....	100.0	58.6	13.9	9.9	5.3	4.2	3.3	4.9
2000 .....	100.0	60.0	13.5	9.6	5.0	4.0	3.3	4.7
2001 .....	100.0	58.9	12.8	11.7	4.8	3.8	3.3	4.8
2002 (estimated) .....	100.0	61.5	12.5	10.3	4.4	3.5	3.0	4.8
2003 (estimated) .....	100.0	66.1	12.1	8.0	4.1	3.3	2.5	4.0

<sup>a</sup>Includes Alcohol, Drug Abuse, and Mental Health Administration.<sup>b</sup>Data 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 Department of Energy.

NOTES: 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>.