

**Table 2H. Federal obligations for basic research, by detailed field of science
& engineering: HHS, National Institutes of Health,
fiscal years 1970-2003**

[Dollars in thousands]

Page 1 of 5

Field of science & engineering	1970	1971	1972	1973	1974	1975	1976
Total, all fields	444,409	503,707	585,700	592,966	775,300	828,520	920,312
Life sciences, total	415,478	470,916	547,572	554,364	724,828	774,583	860,399
Biol & agricultural, total	246,736	279,658	325,186	329,215	430,446	459,994	510,957
Biol (excl environmental)	NA	NA	NA	NA	NA	NA	NA
Environmental biology	NA	NA	NA	NA	NA	NA	NA
Agricultural	NA	NA	NA	NA	NA	NA	NA
Medical sciences, total	156,032	176,852	205,635	208,190	272,208	290,893	323,121
Clinical medical	0	0	0	0	0	0	0
Other medical	156,032	176,852	205,635	208,190	272,208	290,893	323,121
Life sciences, n.e.c.	12,710	14,406	16,751	16,959	22,174	23,696	26,321
Psychology, total	3,955	4,483	5,213	5,277	6,900	7,374	8,191
Biological aspects	0	0	0	0	0	0	0
Social aspects	0	0	0	0	0	0	0
Psychological sciences, n.e.c.	3,955	4,483	5,213	5,277	6,900	7,374	8,191
Physical sciences, total	12,310	13,953	16,224	16,425	21,475	22,950	25,493
Astronomy	0	0	0	0	0	0	0
Chemistry	11,155	0	14,701	14,883	19,460	20,796	23,100
Physics	1,155	12,643	1,523	1,542	2,015	2,154	2,393
Physical sciences, n.e.c.	0	1,310	0	0	0	0	0
Environmental sciences, total	0	0	0	0	0	0	0
Atmospheric sciences	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	0	0	0
Math & computer sciences, total	1,244	1,410	1,640	1,660	2,171	2,320	2,577
Mathematics	NA	NA	NA	NA	NA	NA	2,577
Computer sciences	NA	NA	NA	NA	NA	NA	0
Math & computer sciences, n.e.c.	NA	NA	NA	NA	NA	NA	0
Engineering, total	4,000	4,533	5,271	5,337	6,979	7,457	8,283
Aeronautical	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0
Engineering, n.e.c.	4,000	4,533	5,271	5,337	6,979	7,457	8,283
Social sciences, total	667	756	878	890	1,163	1,243	1,380
Anthropology	0	0	0	0	0	0	0
Economics	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0
Sociology	0	0	0	0	0	0	0
Social sciences, n.e.c.	667	756	878	890	1,163	1,243	1,380
History	0	0	0	0	0	0	NA
Linguistics	0	0	0	0	0	0	NA
Other social sciences	667	756	878	890	1,163	1,243	NA
Other sciences, n.e.c.	6,755	7,656	8,902	9,013	11,784	12,593	13,989

See explanatory information, if any, and SOURCE at end of table.

**Table 2H. Federal obligations for basic research, by detailed field of science
& engineering: HHS, National Institutes of Health,
fiscal years 1970-2003**

[Dollars in thousands]

Page 2 of 5

Field of science & engineering	1977	1978	1979	1980	1981	1982	1983
Total, all fields	1,032,776	1,181,094	1,463,703	1,642,341	1,766,788	2,020,650	2,313,026
Life sciences, total	965,542	1,104,170	1,365,372	1,501,055	1,614,663	1,883,165	2,162,816
Biol & agricultural, total	573,397	655,778	827,333	849,581	925,939	1,114,015	1,298,751
Biol (excl environmental)	NA	655,778	827,333	849,581	925,939	1,113,854	1,298,524
Environmental biology	NA	0	0	0	0	161	227
Agricultural	NA	0	0	0	0	0	0
Medical sciences, total	362,608	414,640	496,081	603,147	638,117	716,657	789,624
Clinical medical	0	NA	NA	NA	NA	NA	NA
Other medical	362,608	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	29,537	33,752	41,958	48,327	50,607	52,493	74,441
Psychology, total	9,192	10,450	13,976	19,686	24,333	19,125	22,797
Biological aspects	0	0	0	0	0	0	0
Social aspects	0	0	0	0	0	0	0
Psychological sciences, n.e.c.	9,192	10,450	13,976	19,686	24,333	19,125	22,797
Physical sciences, total	28,608	32,722	40,333	52,956	52,822	52,922	60,876
Astronomy	0	0	0	0	0	0	0
Chemistry	25,923	29,613	36,276	46,635	47,570	47,746	54,181
Physics	2,685	3,109	4,057	6,321	5,252	5,176	6,695
Physical sciences, n.e.c.	0	0	0	0	0	0	0
Environmental sciences, total	0	0	0	0	0	0	0
Atmospheric sciences	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	0	0	0
Math & computer sciences, total	2,892	3,349	3,398	4,678	5,110	5,228	6,022
Mathematics	2,892	3,349	3,398	4,678	5,110	5,228	6,022
Computer sciences	0	0	0	0	0	0	0
Math & computer sciences, n.e.c.	0	0	0	0	0	0	0
Engineering, total	9,295	10,680	13,824	25,973	28,238	24,828	24,231
Aeronautical	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0
Engineering, n.e.c.	9,295	10,680	13,824	25,973	28,238	24,828	24,231
Social sciences, total	1,549	1,808	3,396	8,503	9,482	3,756	4,836
Anthropology	0	0	0	0	0	0	0
Economics	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0
Sociology	0	0	0	0	0	0	0
Social sciences, n.e.c.	1,549	1,808	3,396	8,503	9,482	3,756	4,836
History	NA	NA	NA	NA	NA	NA	NA
Linguistics	NA	NA	NA	NA	NA	NA	NA
Other social sciences	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	15,698	17,915	23,404	29,490	32,140	31,626	31,448

See explanatory information, if any, and SOURCE at end of table.

**Table 2H. Federal obligations for basic research, by detailed field of science
& engineering: HHS, National Institutes of Health,
fiscal years 1970-2003**

[Dollars in thousands]

Page 3 of 5

Field of science & engineering	1984	1985	1986	1987	1988	1989	1990
Total, all fields	2,624,774	3,018,004	3,118,600	3,575,515	3,795,127	4,053,297	4,261,700
Life sciences, total	2,463,783	2,812,974	2,884,701	3,336,183	3,408,116	3,656,876	3,858,698
Biol & agricultural, total	1,471,895	1,680,670	1,712,982	1,990,519	1,908,689	2,026,933	2,099,736
Biol (excl environmental)	1,471,801	1,680,582	1,712,856	1,990,407	1,908,638	2,026,884	2,099,688
Environmental biology	94	88	126	112	51	49	48
Agricultural	0	0	0	0	0	0	0
Medical sciences, total	906,701	1,017,736	1,063,599	1,206,919	1,441,445	1,551,782	1,682,265
Clinical medical	NA	NA	NA	NA	NA	NA	NA
Other medical	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	85,187	114,568	108,120	138,745	57,982	78,161	76,697
Psychology, total	23,824	29,910	32,162	40,598	58,460	59,337	60,545
Biological aspects	0	0	0	0	0	0	0
Social aspects	0	0	0	0	0	0	0
Psychological sciences, n.e.c.	23,824	29,910	32,162	40,598	58,460	59,337	60,545
Physical sciences, total	70,830	82,737	82,687	90,351	96,704	87,026	95,397
Astronomy	0	0	0	0	0	0	0
Chemistry	63,753	77,509	76,256	82,958	88,413	77,885	82,577
Physics	7,077	5,228	6,386	7,347	8,253	8,990	12,671
Physical sciences, n.e.c.	0	0	45	46	38	151	149
Environmental sciences, total	0	0	0	0	0	0	0
Atmospheric sciences	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	0	0	0
Math & computer sciences, total	6,766	6,910	6,511	7,813	9,867	9,160	11,694
Mathematics	6,766	6,720	6,420	7,731	9,726	9,097	11,605
Computer sciences	0	190	91	82	141	63	89
Math & computer sciences, n.e.c.	0	0	0	0	0	0	0
Engineering, total	24,348	25,170	35,170	39,958	53,418	48,908	48,442
Aeronautical	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0
Engineering, n.e.c.	24,348	25,170	35,170	39,958	53,418	48,908	48,442
Social sciences, total	4,140	4,003	3,421	5,005	15,678	12,945	12,737
Anthropology	0	0	0	0	0	0	0
Economics	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0
Sociology	0	0	0	0	0	0	0
Social sciences, n.e.c.	4,140	4,003	3,421	5,005	15,678	12,945	12,737
History	NA	NA	NA	NA	NA	NA	NA
Linguistics	NA	NA	NA	NA	NA	NA	NA
Other social sciences	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	31,083	56,300	73,948	55,607	152,884	179,045	174,187

See explanatory information, if any, and SOURCE at end of table.

**Table 2H. Federal obligations for basic research, by detailed field of science
& engineering: HHS, National Institutes of Health,
fiscal years 1970-2003**

[Dollars in thousands]

Page 4 of 5

Field of science & engineering	1991	1992	1993	1994	1995	1996	1997
Total, all fields	4,589,500	5,057,408	5,695,590	5,882,370	6,060,047	6,503,626	6,850,709
Life sciences, total	4,005,115	4,605,018	4,968,958	5,120,443	5,276,293	5,661,003	5,947,891
Biol & agricultural, total	2,156,639	2,415,505	2,633,649	2,549,529	2,633,445	2,800,983	2,781,461
Biol (excl environmental)	2,156,469	2,415,432	2,626,995	2,549,470	2,633,397	2,800,937	2,781,408
Environmental biology	170	73	6,654	59	48	46	53
Agricultural	0	0	0	0	0	0	0
Medical sciences, total	1,687,017	2,020,910	2,255,320	2,482,457	2,520,442	2,671,637	2,966,585
Clinical medical	NA	NA	NA	NA	NA	NA	NA
Other medical	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	161,459	168,603	79,989	88,457	122,406	188,383	199,845
Psychology, total	68,377	81,024	203,171	207,176	229,670	242,416	254,934
Biological aspects	0	0	0	10,416	14,594	9,367	7,808
Social aspects	0	0	0	2,225	4,888	3,927	3,847
Psychological sciences, n.e.c.	68,377	81,024	203,171	194,535	210,188	229,122	243,279
Physical sciences, total	105,428	121,061	126,776	122,046	119,539	101,668	108,504
Astronomy	0	0	0	0	0	0	0
Chemistry	89,534	108,221	111,476	108,186	106,105	90,340	96,324
Physics	15,894	12,840	15,300	13,860	13,434	11,328	12,180
Physical sciences, n.e.c.	0	0	0	0	0	0	0
Environmental sciences, total	0	0	0	0	12,307	19,745	20,947
Atmospheric sciences	0	0	0	0	0	0	0
Geological sciences	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0
Environmental sciences, n.e.c.	0	0	0	0	12,307	19,745	20,947
Math & computer sciences, total	10,583	12,099	21,575	25,846	30,982	55,621	61,658
Mathematics	4,447	10,984	14,262	25,155	20,469	26,748	28,721
Computer sciences	0	1,115	7,313	691	10,513	28,873	32,937
Math & computer sciences, n.e.c.	6,136	0	0	0	0	0	0
Engineering, total	52,486	57,938	65,471	70,659	92,277	93,468	99,155
Aeronautical	0	0	0	0	0	0	0
Astronautical	0	0	0	0	0	0	0
Chemical	0	0	0	0	0	0	0
Civil	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0
Mechanical	0	0	0	0	0	0	0
Metallurgy & materials	0	0	0	0	0	0	0
Engineering, n.e.c.	52,486	57,938	65,471	70,659	92,277	93,468	99,155
Social sciences, total	18,139	20,782	55,294	50,942	61,816	59,849	63,512
Anthropology	0	0	0	0	0	0	0
Economics	0	0	0	0	0	0	0
Political science	0	0	0	0	0	0	0
Sociology	0	0	1,494	0	0	128	157
Social sciences, n.e.c.	18,139	20,782	53,800	50,942	61,816	59,721	63,355
History	NA	NA	NA	NA	NA	NA	NA
Linguistics	NA	NA	NA	NA	NA	NA	NA
Other social sciences	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	329,372	159,486	254,345	285,258	237,163	269,856	294,108

See explanatory information, if any, and SOURCE at end of table.

Table 2H. Federal obligations for basic research, by detailed field of science & engineering: HHS, National Institutes of Health, fiscal years 1970-2003

[Dollars in thousands]

Field of science & engineering	1998	1999	2000	2001	Preliminary	
					2002	2003
Total, all fields	7,354,313	8,631,344	10,054,079	11,590,173	13,171,183	14,453,954
Life sciences, total	6,385,128	7,493,866	8,138,313	10,502,300	11,934,915	13,097,283
Biol & agricultural, total	2,985,930	3,504,418	6,053,754	7,108,050	NA	NA
Biol (excl environmental)	2,985,873	3,504,351	6,053,754	7,108,050	NA	NA
Environmental biology	57	67	0	0	NA	NA
Agricultural	0	0	0	0	NA	NA
Medical sciences, total	3,184,662	3,737,659	1,664,392	2,230,719	NA	NA
Clinical medical	NA	NA	NA	NA	NA	NA
Other medical	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	214,536	251,789	420,167	1,163,531	NA	NA
Psychology, total	273,675	321,197	778,662	261,382	297,037	325,966
Biological aspects	8,382	9,838	0	0	NA	NA
Social aspects	4,130	4,847	0	0	NA	NA
Psychological sciences, n.e.c.	261,163	306,512	778,662	261,382	NA	NA
Physical sciences, total	116,480	136,706	324,920	262,968	298,839	327,943
Astronomy	0	0	0	0	NA	NA
Chemistry	103,405	121,361	316,173	233,835	NA	NA
Physics	13,075	15,345	0	0	NA	NA
Physical sciences, n.e.c.	0	0	8,747	29,133	NA	NA
Environmental sciences, total	22,487	26,392	192,508	138,907	157,855	173,229
Atmospheric sciences	0	0	0	0	NA	NA
Geological sciences	0	0	0	0	NA	NA
Oceanography	0	0	0	0	NA	NA
Environmental sciences, n.e.c.	22,487	26,392	192,508	138,907	NA	NA
Math & computer sciences, total	66,191	77,685	66,929	16,933	19,243	21,117
Mathematics	30,833	36,187	66,929	16,933	NA	NA
Computer sciences	35,358	41,498	0	0	NA	NA
Math & computer sciences, n.e.c.	0	0	0	0	NA	NA
Engineering, total	106,444	124,927	204,846	127,336	144,706	158,799
Aeronautical	0	0	0	0	NA	NA
Astronautical	0	0	0	0	NA	NA
Chemical	0	0	0	0	NA	NA
Civil	0	0	0	0	NA	NA
Electrical	0	0	0	0	NA	NA
Mechanical	0	0	0	0	NA	NA
Metallurgy & materials	0	0	27,732	42,606	NA	NA
Engineering, n.e.c.	106,444	124,927	177,114	84,730	NA	NA
Social sciences, total	68,180	80,019	123,751	63,755	72,451	79,508
Anthropology	0	0	0	0	NA	NA
Economics	0	0	0	0	NA	NA
Political science	0	0	0	0	NA	NA
Sociology	168	197	0	0	NA	NA
Social sciences, n.e.c.	68,012	79,822	123,751	63,755	NA	NA
History	NA	NA	NA	NA	NA	NA
Linguistics	NA	NA	NA	NA	NA	NA
Other social sciences	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	315,728	370,552	224,150	216,592	246,137	270,109

KEY: HHS = Department of Health & Human Services
 NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year, or that the agency or subagency did not exist as such or in that organization in that year)
 n.e.c. = Not elsewhere classified

NOTES: Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

Data shown for fiscal years 1970-78 represent obligations of the Department of Health, Education, and Welfare. In 1979 the Department of Health, Education, and Welfare reorganized to become the Department of Health & Human Services and the Department of Education.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003