



**AAMC SURVEY OF THE IMPACT OF  
THE PROPOSED FY 1974 BUDGET  
ON SELECTED DEPARTMENTAL  
DISCIPLINES**

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STUDY OF THE IMPACT OF THE PROPOSED FY 1974 BUDGET

Following publication of President Nixon's revised FY 1973 Budget and the proposed FY 1974 Budget the AAMC embarked upon two studies of the impact of this Budget. The first study consisted of an evaluation of the implications of the President's Budget on 78 of the nation's medical schools. The data reflected the schools' best judgment of the probable immediate and long-term implications of these Budget recommendations on their education, service and research functions. This study was published in April of 1973 by the Association of American Medical Colleges in a monograph "Nation's Resources for Medical Education -- Implications of President's Fiscal Year 1974 Budget Recommendations on Programs of the Nation's Medical Schools".

An evaluation of the implications of the President's Budget was also conducted for Departments of Biochemistry, Microbiology, Physiology, Pediatrics, Medicine and Psychiatry. This study was conducted by the AAMC in association with the Departmental Chairmen Societies in these disciplines. The data derived from these studies comprised this report.

IMPLICATIONS OF THE CHANGING PATTERNS OF FEDERAL FUNDING

On the basis of the revised FY '73 Budget and the proposed FY '74 Budget, Departmental Chairmen were asked to indicate what impact changes in funding would have on Medical School Teaching, Allied Health Teaching, Graduate Student Teaching, the Ph.D. Program and Resident Education. Departmental Chairmen were also asked to evaluate the implications of the proposed Budget for Biomedical Research, Patient Service Functions and Faculty Retention. These data are contained in Table I.

Departmental Chairmen in each of the disciplines surveyed anticipate the most drastic negative effects of the proposed Budget will be on their Research Programs. This was uniform throughout the study and encompasses both FY '73 and '74. All the disciplines also anticipate a loss of faculty which will be moderately severe. The impact of the Budget for faculty retention is best evaluated in the Department by Department analysis.

Departmental Chairmen in Biochemistry, Microbiology and Physiology indicated that the proposed Budget would have moderate or drastic negative effects on Graduate Student Teaching and the Doctoral Program in their particular discipline. These Departments anticipate a moderate negative effect of the proposed Budget on Medical Student Teaching and Allied Health Teaching.

The Clinical Disciplines of Medicine and Pediatrics anticipate a moderate negative effect of the proposed Budget on Medical Student Teaching and Resident Education. They predicted a more severe impact on their ability to continue programs of Allied Health Education.

Psychiatry appears to be the discipline most significantly affected by the proposed Budget. The 43 schools participating in this survey anticipate a drastic negative effect on Medical Student Teaching, Allied Health Teaching, Graduate Student Teaching, Doctoral Education and Resident Education.

TABLE I  
SURVEY OF CHANGING PATTERNS OF FEDERAL FUNDING

## Scale

- 0 - cannot predict  
1 - drastic negative effect  
2 - moderate negative effect  
3 - no effect  
4 - moderate positive improvement  
5 - very positive improvement

(On the basis of potential funding changes, schools were asked to indicate for each year, what impact changes in funding would have on them)

Biochemistry  
(45 Schools' Response)

YEAR	MEDICAL STUDENT TEACHING					ALLIED HEALTH TEACHING					GRADUATE STUDENT TEACHING					PH.D. PROGRAM					RESIDENTS									
	(0	1	2	3	4	5)	(0	1	2	3	4	5)	(0	1	2	3	4	5)	(0	1	2	3	4	5)	(0	1	2	3	4	5)
1972-1973	3	0	2	38	1	1	3	0	4	17	0	1	4	0	10	30	0	1	4	1	8	21	1	1						
1973-1974	0	0	10	31	3	1	1	0	8	16	0	0	0	4	24	16	1	0	2	3	19	11	1	0						(N/A)
1974-1975	2	1	18	20	3	1	1	3	11	10	0	0	2	11	18	13	1	0	3	8	15	9	1	0						(N/A - 9)

Medicine  
(30 Schools' Response)

1972-1973	1	0	7	22	0	0	1	2	5	11	2	0	2	1	2	9	0	0	2	0	1	7	0	0	2	0	3	25	0	0
1973-1974	1	4	18	7	0	0	3	5	8	4	1	0	2	2	5	5	0	0	2	2	1	5	0	0	1	1	18	9	1	0
1974-1975	2	8	15	5	0	0	5	7	4	4	0	1	3	3	3	5	0	0	2	4	1	3	0	0	4	5	14	6	1	0

Microbiology  
(42 Schools' Response)

1972-1973	1	0	5	36	0	0	1	2	3	16	0	0	1	1	7	31	0	0	2	3	4	28	0	0	0	0	0	3	0	0
1973-1974	1	2	17	22	0	0	2	6	7	7	0	0	2	6	24	8	0	0	3	11	14	9	0	0	1	0	1	1	0	
1974-1975	5	6	14	17	0	0	2	10	3	7	0	0	4	16	15	5	0	0	5	15	11	6	0	0	0	1	0	1	1	0

Pediatrics  
(47 Schools' Response)

YEAR	MEDICAL STUDENT TEACHING					ALLIED HEALTH TEACHING					GRADUATE STUDENT TEACHING					PH.D. PROGRAM					RESIDENTS									
	(0	1	2	3	4	5)	(0	1	2	3	4	5)	(0	1	2	3	4	5)	(0	1	2	3	4	5)	(0	1	2	3	4	5)
1972-1973	2	0	4	39	2	0	3	4	4	25	4	1	1	2	2	18	3	0	1	2	2	11	1	0	2	0	2	40	3	0
1973-1974	2	0	23	20	1	1	4	11	10	10	5	1	3	3	9	8	3	0	3	3	5	5	1	0	3	1	19	18	6	0
1974-1975	6	2	24	13	1	1	6	13	9	8	4	1	5	9	4	7	1	0	3	2	8	3	1	0	7	3	20	14	2	1

Physiology  
(37 Schools' Response)

1972-1973	1	0	3	32	1	0	2	0	2	24	1	0	1	3	15	15	1	0	1	3	13	11	1	0						
1973-1974	2	0	10	22	3	0	2	0	10	16	1	0	1	3	15	15	1	0	1	3	13	11	1	0						(N/A)
1974-1975	4	1	14	16	2	0	7	1	7	13	1	0	5	7	12	10	1	0	3	10	7	9	0	0						(N/A - 8)

Psychiatry  
(43 Schools' Response)

1972-1973	4	1	7	30	0	1	4	3	4	22	0	1	4	0	6	15	0	0	5	0	1	7	0	0	2	0	10	30	1	
1973-1974	0	10	26	7	0	0	3	14	11	6	0	0	2	6	14	3	0	0	3	6	2	2	0	0	1	7	26	8	1	0
1974-1975	2	16	20	5	0	0	5	17	7	5	0	0	7	6	10	2	0	0	5	6	1	1	0	0	7	8	22	4	2	0

\*N/A = Not Applicable or Not Answered by School

TABLE I  
SURVEY OF CHANGING PATTERNS OF FEDERAL FUNDING  
(Cont'd)

YEAR	RESEARCH						SERVICE						LOSS OR GAIN OF FACULTY					
	(0	1	2	3	4	5)	(0	1	2	3	4	5)	(0	1	2	3	4	5)
<u>Biochemistry</u> (45 Schools' Response)																		
1972-1973	3	4	15	18	4	0	0	0	0	0	0	1	10	1	2	20	1	0
1973-1974	3	12	20	8	1	0	0	0	0	0	0	1	10	1	14	8	1	0
1974-1975	9	15	15	4	1	0	0	0	0	0	0	1	9	10	10	4	1	0
	(N/A - 1)						(N/A - 44)						(N/A - 11)					
<u>Medicine</u> (30 Schools' Response)																		
1972-1973	2	4	13	10	1	0	3	0	9	17	1	0	6	1	5	10	2	0
1973-1974	0	12	15	2	1	0	3	3	15	6	3	0	5	3	12	2	2	0
1974-1975	4	20	4	2	0	0	6	5	12	4	2	1	7	6	7	2	2	0
													(N/A - 6)					
<u>Microbiology</u> (42 Schools' Response)																		
1972-1973	2	6	11	22	1	0	1	0	2	7	0	0	5	2	3	27	0	0
1973-1974	3	17	14	8	0	0	2	2	3	3	0	0	11	4	9	13	0	0
1974-1975	12	22	4	4	0	0	3	2	4	1	0	0	15	5	8	9	0	0
							(N/A - 32)						(N/A - 5)					
<u>Pediatrics</u> (47 Schools' Response)																		
YEAR	RESEARCH						SERVICE						LOSS OR GAIN OF FACULTY					
	(0	1	2	3	4	5)	(0	1	2	3	4	5)	(0	1	2	3	4	5)
1972-1973	3	2	18	21	2	1	3	2	9	26	7	0	4	2	5	29	1	1
1973-1974	4	15	19	4	3	2	4	2	23	12	5	1	7	3	14	17	0	1
1974-1975	10	22	9	2	2	2	9	9	18	6	4	1	11	5	12	12	1	1
													(N/A - 5)					
<u>Physiology</u> (37 Schools' Response)																		
1972-1973	1	4	11	21	0	0							4	1	3	21	0	0
1973-1974	2	11	15	9	0	0						(N/A)	4	2	6	17	0	0
1974-1975	5	14	13	5	0	0							9	3	5	12	0	0
													(N/A - 8)					
<u>Psychiatry</u> (43 Schools' Response)																		
1972-1973	2	2	14	22	1	0	2	0	11	26	3	0	2	2	6	20	0	0
1973-1974	2	15	17	6	1	0	1	9	16	14	2	0	2	4	14	10	0	0
1974-1975	11	13	13	3	0	1	5	12	14	9	2	0	7	6	10	7	0	0
	(N/A - 2)						(N/A - 1)						(N/A - 13)					

\*N/A = Not Applicable or Not Answered by School

TABLE II

Participants in the survey evaluation of the Impact of Changing Patterns of Federal Funding on selected disciplines in the medical schools were asked to indicate:

- (a) What percentage of your faculty budget is derived from obligations to provide services, e.g., run a bacteriology lab, deliver health care, etc.
- (b) What percentage of your faculty budget is derived from obligations to carry out education?
- (c) What percentage of your faculty budget is derived from obligations to conduct research?
- (d) What percentage of your faculty budget is devoted to graduate (post M.D., Ph.D.) training?

The data are summarized below.

	<u>SERVICE</u>	<u>EDUCATION</u>	<u>RESEARCH</u>	<u>GRADUATE TRAINING</u>
Biochemistry	1 $\pm$ 2%	57 $\pm$ 27%	34 $\pm$ 25%	16 $\pm$ 19%
Medicine	30 $\pm$ 17%	30 $\pm$ 17%	23 $\pm$ 17%	14 $\pm$ 12%
Microbiology	2 $\pm$ 5%	64 $\pm$ 28%	27 $\pm$ 24%	16 $\pm$ 21%
Pediatrics	27 $\pm$ 20%	41 $\pm$ 23%	18 $\pm$ 17%	14 $\pm$ 16%
Physiology	1 $\pm$ 4%	70 $\pm$ 25%	27 $\pm$ 23%	17 $\pm$ 27%
Psychiatry	28 $\pm$ 21%	43 $\pm$ 24%	12 $\pm$ 12%	23 $\pm$ 20%

In most instances, the sum of the data is not 100%. This reflects the overlapping nature of some of the programs.

ANALYSIS OF THE CHANGING PATTERNS OF EXPENDITURES IN THE DEPARTMENTS STUDIED

Since the patterns of funding change differ within each discipline, data will be analyzed by department.

BIOCHEMISTRY

The 45 Departments of Biochemistry reported an overall decrease in funds available for faculty salaries of 10% and anticipate a loss of 15% of their faculty between 1973 and 1974. (Table III) The Departments anticipate a marked decrease in monies available from Non-Federal Grants and Contracts, Medical School Funds, NIH-NIMH Grants and Contracts, Training Grants and GRS Funds. There will be a slight increase in money available from State and Local Funds and a slight increase in money from the Veterans Administration but funds available from other Non-Federal and Federal sources remain essentially unchanged.

Departments of Biochemistry report a 13% decrease in funds available for training graduate and undergraduate students from both Federal and Non-Federal sources. Except for an increase in funding for Trainees on Non-Federal Grants and Contracts no compensatory increase in funds for training has been accomplished.

Departmental Chairmen anticipate a 5% decrease in funds available for staff salaries. This derives primarily from a marked decrease in funds available from Manpower Projects and from Training Grants. There will be some increase in both Medical School Funds and State and Local Funds for staff salaries, but overall the picture is not significantly changed between 1973 and 1974.

Departmental Chairmen appear to be diverting funds from supporting programs in order to maintain faculty and staff salaries. Overall there will be a 24% decrease in funds available for program support with broad decreases in every source of funds. As a short term goal this allows maintenance of staff and faculty but could compromise the program over the long haul since the program support category includes technical and research support personnel, instrumentation, supplies, etc.

The 45 Departments of Biochemistry anticipate losing 90 full-time faculty between 1973 and 1974 which would represent a 17% decrease. This decrease derives exclusively from loss of non-tenured faculty. It derives in part from loss of NIH Grants and Contracts as well as from a withdrawal of medical school funds available for this purpose.

Department of Biochemistry Chairmen anticipate a 15% decrease in the number of trainees primarily as the result of withdrawal of the NIH Training Grant Program.

TABLE III  
EXPENDITURES OF 45 BIOCHEMISTRY DEPARTMENTS  
BY SOURCE OF FUNDS, FY 1972-1974

	<u>FACULTY SALARIES*</u>			<u>TRAINING STIPENDS*</u>			<u>STAFF SALARIES*</u>			<u>PROGRAM SUPPORT*</u>		
	1972	1973	1974	'72	'73	'74	'72	'73	'74	'72	'73	'74
<u>NON-FEDERAL</u>												
Grants and Contracts	266	183	114	224	180	201	158	96	70	827	858	446
Medical School Funds	3513	3752	3067	82	150	153	528	589	607	598	629	372
State and Local Funds	3894	4255	4357	302	334	306	603	691	737	777	816	763
Departmental Funds	20	24	23	61	68	68	35	37	38	244	192	113
Hospital Funds	62	66	71	0	16	17	0	0	0	5	5	5
Patient Care Fees	2	0	1	0	0	0	0	0	0	0	0	0
<u>FEDERAL</u>												
NIH-NIMH Grants/Contracts	1913	2014	1718	909	998	959	1741	2031	1922	6341	6009	4837
Training Grants	509	596	530	1166	1056	815	139	134	62	503	491	347
GRS	177	236	46	41	30	6	13	10	6	152	183	33
Manpower Projects	764	644	610	27	12	0	101	60	42	72	23	15
V.A.	242	253	265	0	0	0	0	0	0	70	42	38
Other	149	157	154	216	201	137	82	95	59	691	722	571
<u>ALL SOURCES TOTAL</u>	11511	12180	10956	3028	3045	2662	3400	3743	3543	10280	9970	7540
Change, 73-74			-10%			-13%			-5%			-24%

\*Thousands of Dollars

TABLE III  
SOURCE OF FACULTY SUPPORT  
IN 45 BIOCHEMISTRY DEPARTMENTS,  
FY 1972-1974

	<u>NUMBER OF FACULTY</u>			<u>NUMBER OF TRAINEES</u>		
	(FTE)			(FTE)		
	1972	1973	1974	1972	1973	1974
<u>NON-FEDERAL</u>						
Grants and Contracts	34	33	29	100	98	92
Medical School Funds	164	168	119	53	59	56
State and Local Funds	148	159	165	96	98	86
Departmental Funds	0	0	0	5	4	4
Hospital Funds	1	1	1	0	0	0
Patient Care Fees	0	0	0	0	0	0
<u>FEDERAL</u>						
NIH-NIMH Grants/Contracts	75	81	57	144	152	134
Training Grants	20	24	22	270	251	200
GRS	13	16	2	11	14	3
Manpower Projects	32	19	16	9	4	0
V.A.	10	10	10	0	0	0
Other	5	6	6	88	79	70
<u>ALL SOURCES TOTAL</u>	502	517	427	776	759	645
Change, 73-74			-17%			-15%

DEPARTMENTS OF BIOCHEMISTRY  
Schools Providing Data  
Listed by State

AL	Alabama	NM	New Mexico
AZ	Arizona	NY	Albany Columbia
CA	California, L.A. Loma Linda Stanford	@New York Med SUNY Buffalo SUNY Syracuse	
FL	Florida	NC	Bowman Gray *North Carolina
GA	Emory Georgia	ND	North Dakota
IL	Loyola (Stritch)	OH	Ohio State
IA	Iowa	OR	Oregon
KY	Louisville	PA	Hahnemann Jefferson U. of Pennsylvania
LA	Louisiana, New Orleans Louisiana, Shreveport #Tulane	SC	South Carolina
MD	Johns Hopkins @Maryland	SD	South Dakota
MI	Wayne State	TN	Vanderbilt
MN	Minnesota	TX	Texas Southwestern
MS	Mississippi	VT	Vermont
MO	St. Louis Washington U., St. Louis	VA	Medical College of Virginia
NE	Nebraska	WA	U. of Washington, Seattle
NJ	New Jersey	WI	Medical College of Wisconsin Wisconsin
		WV	West Virginia

#Received data for Table III only

@Received data for Tables I and II only

\*Response received too late to be included in the Study.

MEDICINE

Only 32 Departments of Medicine participated in the study and the data must be viewed in that context. (Table IV) Department of Medicine Chairmen do not anticipate any change in the funds available for either faculty or staff salaries between 1973 and 1974. As a result of a decrease in funds available for NIH Grants and Contracts, Training Grants, general research support and Manpower Projects there has been a progressive shift to Patient Care Fees and Medical School Funds as a source of both faculty and staff salaries.

The 32 Departments of Medicine anticipate an 11% decrease in monies available for training stipends between 1973 and 1974. This reflects primarily a reduction in the funds from NIH Training Grants and the lack of a compensatory increase in funds available from other sources.

Department of Medicine Chairmen anticipate a 12% decrease in the funds available for general program support primarily as a result of the withdrawal of NIH Training Grants, the decreased availability of NIH-NIMH Grants and Contracts and the decreased funds available for general research support. There has not been a compensatory increase in funds available from other sources but rather a general decrease in the funds available from all sources.

Department of Medicine Chairmen anticipate a loss of approximately 80 full-time faculty, primarily non-tenured faculty. This reflects a decrease in funds available from all sources but particularly from NIH Grants and Contracts and NIH Training Grants. The Chairmen anticipate

the increased revenue from Patient Care Fees will support 27 more faculty than in 1972. The number of trainees in Internal Medicine will decrease by 10%. Again, reflecting the phase-out of the NIH Training Grant Program.

TABLE IV  
EXPENDITURES OF 32 MEDICINE DEPARTMENTS  
BY SOURCE OF FUNDS, FY 1972-1974

	<u>FACULTY SALARIES*</u>			<u>TRAINING STIPENDS*</u>			<u>STAFF SALARIES*</u>			<u>PROGRAM SUPPORT*</u>		
	1972	1973	1974	'72	'73	'74	'72	'73	'74	'72	'73	'74
<u>NON-FEDERAL</u>												
Grants and Contracts	2054	2033	2071	206	224	180	1073	1098	1008	1320	1250	1024
Medical School Funds	4300	4514	5043	64	25	75	708	816	888	318	370	344
State and Local Funds	6620	7434	6694	165	200	203	1163	1291	1169	668	772	693
Departmental Funds	2534	2806	3072	242	276	256	885	970	1030	892	631	518
Hospital Funds	3300	3728	3840	1125	1133	1157	1179	1226	1247	1060	1392	1196
Patient Care Fees	4839	5872	6917	99	271	270	632	790	848	1350	1395	1303
<u>FEDERAL</u>												
NIH-NIMH Grants/Contracts	5374	6745	6301	441	588	459	5609	6051	6387	8471	8756	7773
Training Grants	2892	2814	2155	4077	4103	3402	756	749	439	998	926	658
GRS	297	296	213	0	0	0	66	69	48	173	125	106
Manpower Projects	600	951	866	0	0	0	95	108	127	314	195	137
V.A.	4284	5249	5099	798	989	985	228	277	274	593	586	592
Other	1328	1445	1470	174	245	205	80	218	219	582	644	602
<u>All Sources Total</u>	38422	43887	43741	7391	8054	7192	12474	13663	13684	16739	17042	14946
Change, 73-74			- 1%			-11%			0			-12%

\*Thousands of Dollars

TABLE IV  
SOURCE OF FACULTY SUPPORT  
IN 32 MEDICINE DEPARTMENTS,  
FY 1972-1974

	<u>NUMBER OF FACULTY</u>			<u>NUMBER OF TRAINEES</u>		
	(FTE)			(FTE)		
	1972	1973	1974	1972	1973	1974
<u>NON-FEDERAL</u>						
Grants and Contracts	109	115	121	14	13	14
Medical School Funds	168	162	154	25	29	24
State and Local Funds	218	250	221	17	20	22
Departmental Funds	79	101	98	21	27	23
Hospital Funds	79	80	71	99	104	103
Patient Care Fees	120	135	147	10	13	15
<u>FEDERAL</u>						
NIH-NIMH Grants/Contracts	162	151	137	37	37	36
Training Grants	76	72	57	266	249	190
GRS	8	7	5	0	0	0
Manpower Projects	17	24	17	0	0	0
V.A.	123	147	145	55	69	74
Other	50	46	39	37	46	46
<u>ALL SOURCES TOTAL</u>	1209	1290	1212	581	607	547
Change, 73-74			-6%			-10%

DEPARTMENTS OF MEDICINE  
 Schools Providing Data  
 Listed by State

AZ	Arizona	NH	Dartmouth
CA	#California, S.F. @Loma Linda Stanford	NJ	#Rutgers
CO	#Colorado	NY	#Cornell Rochester SUNY Buffalo @SUNY Syracuse
CT	Connecticut Yale	NC	North Carolina
IL	Chicago Med Illinois Loyola (Stritch) Northwestern Southern Illinois	OH	Cincinnati
IA	Iowa	PA	Jefferson Temple Medical College of PA
KS	Kansas	SC	South Carolina
MA	Harvard *Massachusetts	TN	Vanderbilt
MN	Minnesota	TX	@Baylor Texas, Galveston
MO	Missouri, Columbia	UT	Utah
		WI	Wisconsin

#Received data for Table IV only.

@Received data for Tables I and II only.

\*Response received too late to be included in the Study.

MICROBIOLOGY

Responses were received from 42 Chairmen of Microbiology. (Table V) These responses indicate an anticipated decrease in funds available for faculty salaries of 5% and a decrease of funds available for staff salaries of 2%. These funding decreases represent primarily a decrease in funds available from the medical school, a decrease in NIH-NIMH Grants and Contracts, the phase-out of Training Grants and a decrease in funds available from Departmental sources. There has been a compensatory increase in funds from State and Local sources but all other Departmental support is relatively stable.

Department Chairmen of Microbiology anticipate a decrease in funds available for training stipends of approximately 29% which reflects a general decrease in funds for training but which is particularly severe in the area of NIH-NIMH Grants and Contracts as well as NIH Training Grants. No alternate source of funding has been developed from any of the other categories studied.

Department Chairmen also anticipate a general decrease in funds available for program support which is particularly severe in both Federal and Non-Federal Grants and Contracts and NIH Training Grants. The overall impact will be a 21% decrease in funds available for program support.

Microbiology Chairmen anticipate a loss of approximately 9% of their faculty which represents 29 full-time equivalent faculty members. There will be a 27% decrease in the number of trainees, primarily as the result of cut-backs in NIH Training Grants and Contracts.

TABLE V  
EXPENDITURES OF 42 MICROBIOLOGY DEPARTMENTS  
BY SOURCE OF FUNDS, FY 1972-1974

	FACULTY SALARIES*			TRAINING STIPENDS*			STAFF SALARIES*			PROGRAM SUPPORT*		
	1972	1973	1974	'72	'73	'74	'72	'73	'74	'72	'73	'74
<u>NON-FEDERAL</u>												
Grants and Contracts	233	235	198	138	142	88	6992	7190	7397	1465	1064	704
Medical School Funds	2732	3348	3000	129	137	122	419	594	577	605	542	457
State and Local Funds	3253	3198	3457	130	164	173	803	903	882	921	1017	987
Departmental Funds	554	660	493	20	20	20	180	163	163	112	104	107
Hospital Funds	148	194	221	2	2	0	15	18	22	602	692	687
Patient Care Fees	27	1	1	0	0	0	0	0	0	0	0	0
<u>FEDERAL</u>												
NIH-NIMH Grants/Contracts	1144	1292	1124	520	515	395	1442	1612	1250	5691	5842	4631
Training Grants	411	477	411	1347	1330	836	136	153	159	728	671	501
GRS	113	118	103	15	16	0	61	16	1	251	261	12
Manpower Projects	313	396	360	36	23	23	12	18	19	13	16	14
V.A.	68	60	64	0	0	0	8	0	0	0	12	12
Other	109	136	152	123	87	66	59	51	63	693	654	514
<u>ALL SOURCES TOTAL</u>	9105	10115	9584	2460	2436	1723	10127	10718	10533	11081	10875	8626
Change, 73-74			-5%			-29%			-2%			-21%

\*Thousands of Dollars

TABLE V  
SOURCE OF FACULTY SUPPORT  
IN 42 MICROBIOLOGY DEPARTMENTS,  
FY 1972-1974

	<u>NUMBER OF FACULTY</u> (FTE)			<u>NUMBER OF TRAINEES</u> (FTE)		
	1972	1973	1974	1972	1973	1974
<u>NON-FEDERAL</u>						
Grants and Contracts	30	32	29	28	23	18
Medical School Funds	133	128	99	30	29	33
State and Local Funds	163	162	170	42	48	46
Departmental Funds	14	15	17	2	3	3
Hospital Funds	7	7	8	0	0	0
Patient Care Fees	1	1	1	0	0	0
<u>FEDERAL</u>						
NIH-NIMH Grants/Contracts	76	59	46	103	97	75
Training Grants	20	20	18	304	296	209
GRS	6	5	6	11	6	0
Manpower Projects	14	17	13	9	6	6
V.A.	3	2	2	0	0	0
Other	3	3	3	27	20	15
<u>ALL SOURCES TOTAL</u>	470	451	412	556	528	407
Change, 73-74			-9%			-27%

DEPARTMENTS OF MICROBIOLOGY  
Schools Providing Data  
Listed by State

CA	California, Irvine California, L.A. California, S.F. Stanford	NJ	Rutgers
		NM	New Mexico
CO	Colorado	NY	@Albany Cornell Mt. Sinai New York U. #Rochester SUNY Buffalo
CT	Connecticut		
DC	George Washington		
FL	Florida	NC	Bowman Gray Duke
GA	Emory Georgia	OH	Ohio, Toledo Ohio State
IL	Chicago Medical U. of Chicago *Illinois	PA	Hahnemann Pittsburgh Temple
IA	Iowa	SD	South Dakota
KY	Kentucky	TN	Vanderbilt
LA	*Louisiana, New Orleans Louisiana, Shreveport	TX	Texas, San Antonio Texas Tech
MD	Johns Hopkins Maryland	VA	U. of Virginia East Virginia
MA	Boston Massachusetts	WA	U. of Washington, Seattle
MI	*Wayne State	WI	Wisconsin
MN	Minnesota		

\*Response received too late to be included in the Study.

@Received data for Table V only.

#Received data for Tables I and II only.

PEDIATRICS

Responses were obtained from 45 Departments of Pediatrics which indicate a 4% loss in funds available both for faculty and for staff salaries between 1973 and 1974. (Table VI) The funding loss is particularly acute in the area of NIH Training Grants but is generally distributed throughout Non-Federal and Federal funds. Compensatory increases in funds available are anticipated for faculty salaries from both State and Local sources and from NIH Grants and Contracts.

Pediatrics Department Chairmen anticipate a 14% decrease in funds available for training stipends primarily as the result of the loss of the NIH Training Grant Program. A slight increase in training stipends will be available from State and Local Funds as well as from Patient Care Fees.

Department Chairmen in Pediatrics also anticipate a 24% decrease in funds available for program support which represents loss of funds from almost every category studied and is particularly severe in the areas of both Federal and Non-Federal Grants and Contracts and from NIH Training Grants.

Departments of Pediatrics anticipate a loss of 70 faculty which represents a decrease of 7%. There will also be a 13% decrease in the number of trainees between 1973 and 1974.

TABLE VI  
EXPENDITURES OF 45 PEDIATRIC DEPARTMENTS  
BY SOURCE OF FUNDS, FY 1972-1974

	<u>FACULTY SALARIES*</u>			<u>TRAINING STIPENDS*</u>			<u>STAFF SALARIES*</u>			<u>PROGRAM SUPPORT*</u>		
	1972	1973	1974	'72	'73	'74	'72	'73	'74	'72	'73	'74
<u>NON-FEDERAL</u>												
Grants and Contracts	1720	1730	1668	593	650	613	952	952	858	1841	2076	1473
Medical School Funds	5789	5780	5592	41	66	24	1154	1169	1276	600	619	566
State and Local Funds	4331	4660	4982	283	233	278	870	832	914	1288	1437	1389
Departmental Funds	660	733	812	112	89	50	232	260	262	437	496	512
Hospital Funds	5536	6060	4946	312	400	383	2042	2216	2093	1340	1222	795
Patient Care Fees	2650	2959	2916	55	40	58	266	294	334	376	393	403
<u>FEDERAL</u>												
NIH-NIMH Grants/Contracts	4394	4825	5580	152	171	176	2244	2538	2419	6803	7265	4862
Training Grants	1792	1393	975	1311	1381	937	808	482	405	595	693	237
GRS	255	302	98	15	16	0	139	105	91	472	338	159
Manpower Projects	1228	1590	1350	72	237	204	33	130	128	196	920	925
V.A.	3	0	0	0	0	0	0	0	0	0	0	0
Other	2985	3142	2935	625	673	678	2085	2109	1914	5087	4631	4123
<u>ALL SOURCES TOTAL</u>	31343	33174	31854	3571	3956	3401	10825	11087	10694	19035	20090	15444
Change, 73-74			-4%			-14%			-4%			-23%

\*Thousands of Dollars

TABLE VI  
SOURCE OF FACULTY SUPPORT  
IN 45 PEDIATRIC DEPARTMENTS,  
FY 1972-1974

	<u>NUMBER OF FACULTY</u>			<u>NUMBER OF TRAINEES</u>		
	(FTE)			(FTE)		
	1972	1973	1974	1972	1973	1974
<u>NON-FEDERAL</u>						
Grants and Contracts	74	76	73	54	49	48
Medical School Funds	257	234	222	4	8	2
State and Local Funds	168	185	192	26	24	26
Departmental Funds	31	30	35	8	8	7
Hospital Funds	149	158	142	42	45	46
Patient Care Fees	49	59	61	4	4	6
<u>FEDERAL</u>						
NIH-NIMH Grants/Contracts	108	115	105	14	17	18
Training Grants	46	40	30	135	169	119
GRS	5	7	4	1	1	0
Manpower Projects	28	39	34	8	37	32
V.A.	0	0	0	0	0	0
Other	132	139	114	113	109	109
<u>ALL SOURCES TOTAL</u>	1047	1082	1012	409	471	413
Change, 73-74			-7%			-13%

DEPARTMENTS OF PEDIATRICS  
Schools Providing Data  
Listed by State

AL	Alabama	MO	St. Louis
CA	California, Davis California, Irvine California, L.A. California, S.F. Loma Linda Southern California	NE	Creighton @Nebraska
CO	Colorado	NM	New Mexico
DC	George Washington	NY	Cornell Einstein *Mt. Sinai Rochester SUNY Buffalo SUNY Syracuse
FL	Miami South Florida	NC	North Carolina
GA	Georgia	OH	Case Western Reserve @Cincinnati
IL	*U. of Chicago Northwestern Southern Illinois Rush	PA	U. of Pennsylvania Penn State Pittsburgh Temple
IN	Indiana	SC	@South Carolina
KS	Kansas	TN	Vanderbilt
LA	Louisiana, New Orleans Louisiana, Shreveport	TX	Texas, Galveston @Texas, Houston Texas, San Antonio
MD	Johns Hopkins @Maryland	VA	*U. of Virginia
MA	Boston Harvard	WI	Medical College of Wisconsin Wisconsin
MS	Mississippi	WV	West Virginia

\*Response received too late to be included in the Study.  
@Received data for Tables I and II only.

PHYSIOLOGY

39 Physiology Departments responded to the request for information. (Table VII) Departments of Physiology anticipate a slight increase in the funds available for faculty and staff salaries between 1973 and 1974. This represents primarily an increase in funds available from Medical School and State and Local sources. They anticipate a small decrease in funds available from Non-Federal Grants and Contracts, NIH Training Grants, GRS and Manpower Projects.

Department Chairmen of Physiology anticipate a 14% decrease in funds available for training stipends primarily as the result of the withdrawal of NIH Training Grants. These Chairmen anticipate that some training stipends can be derived from State and Local sources as well as from Manpower Projects.

Department Chairmen of Physiology anticipate a 4% decrease in funds available for general program support. This is the least affected discipline and this is most clearly evident in this category.

Department Chairmen of Physiology anticipate a slight increase in the number of faculty expressed as full-time equivalents and a 7% decrease in the number of trainees. The small decrease in trainees primarily reflects withdrawal of NIH Training Grants and compensatory increases in trainees allotted to NIH and NIMH Grants and Contracts.

TABLE VII  
EXPENDITURES OF 39 PHYSIOLOGY DEPARTMENTS  
BY SOURCE OF FUNDS, FY 1972-1974

	FACULTY SALARIES*			TRAINING STIPENDS*			STAFF SALARIES*			PROGRAM SUPPORT*		
	1972	1973	1974	'72	'73	'74	'72	'73	'74	'72	'73	'74
<u>NON-FEDERAL</u>												
Grants and Contracts	448	546	397	118	150	175	183	212	261	885	916	877
Medical School Funds	2735	2927	3148	75	90	91	516	557	586	353	433	457
State and Local Funds	3632	3741	4390	187	188	200	788	857	903	745	722	773
Departmental Funds	645	666	686	30	31	31	79	83	83	125	134	134
Hospital Funds	0	0	0	0	0	0	0	0	0	0	0	0
Patient Care Fees	0	0	0	0	0	0	0	0	0	0	0	0
<u>FEDERAL</u>												
NIH-NIMH Grants/Contracts	1559	1651	1624	80	110	102	1545	1745	1689	5390	5086	4949
Training Grants	316	269	233	900	904	652	79	71	51	441	477	316
GRS	146	115	85	4	5	1	6	9	5	165	86	50
Manpower Projects	259	308	277	18	25	52	39	11	11	10	12	2
V.A.	48	71	53	0	0	0	0	0	0	0	0	0
Other	189	200	157	77	74	54	46	86	92	579	504	472
<u>ALL SOURCES TOTAL</u>	9977	10494	11050	1489	1577	1358	3281	3631	3681	8693	8370	8030
Change, 73-74			+5%			-14%			+1%			-4%

\*Thousands of Dollars

TABLE VII  
SOURCE OF FACULTY SUPPORT  
IN 39 PHYSIOLOGY DEPARTMENTS,  
FY 1972-1974

	<u>NUMBER OF FACULTY</u> (FTE)			<u>NUMBER OF TRAINEES</u> (FTE)		
	1972	1973	1974	1972	1973	1974
<u>NON-FEDERAL</u>						
Grants and Contracts	26	30	25	11	16	16
Medical School Funds	109	111	120	39	41	37
State and Local Funds	163	182	199	27	31	36
Departmental Funds	36	38	39	10	5	5
Hospital Funds	0	0	0	0	0	0
Patient Care Fees	0	0	0	0	0	0
<u>FEDERAL</u>						
NIH-NIMH Grants/Contracts	65	63	58	21	24	72
Training Grants	11	9	7	227	205	147
GRS	3	3	2	3	3	1
Manpower Projects	10	15	11	12	9	4
V.A.	2	3	2	0	0	0
Other	2	2	2	13	13	7
<u>ALL SOURCES TOTAL</u>	427	454	465	363	347	325
Change, 73-74			+2%			-7%

DEPARTMENTS OF PHYSIOLOGY  
Schools Providing Data  
Listed by State

AZ	Arizona	NY	Columbia
			*Mt. Sinai
AR	#Arkansas		@New York Med
			Rochester
CA	California, Irvine		SUNY Buffalo
	California, L A.		SUNY Stony Brook
	California, S.F.		SUNY Syracuse
DC	George Washington	NC	East Carolina
FL	Florida	OH	Cincinnati
	South Florida		Ohio, Toledo
IL	Chicago Medical	OR	*Oregon
	Illinois		
IN	Indiana	PA	*Hahnemann
			#U. of Pennsylvania
IA	Iowa		*Penn State
			Pittsburgh
KS	Kansas	RI	Brown
KY	Louisville	SC	South Carolina
MD	Maryland	TN	Meharry
			Tennessee
MI	Michigan State		Vanderbilt
MN	#Minnesota	VA	East Virginia
MS	Mississippi	WI	@Medical College of Wisconsin
			#Wisconsin
MO	Missouri, Columbia		
Was	Washington U., St. Louis	WV	West Virginia
NH	Dartmouth		

#Received data for Table VII only.

\*Response received too late to be included in the Study.

@Received data for Tables I and II only.

PSYCHIATRY

Psychiatry is the most severely affected Department among the group studied. (Table VIII) The 42 Psychiatry Departments responding to the survey anticipate severe changes in funds available for faculty salaries, training stipends and program support. The decrease in funds available for faculty salaries represents primarily a decrease in the funds available from both NIMH Grants and Contracts and NIMH Training Grants. There has also been a smaller decrease in funds available from general research support and Manpower Projects. The overall effect will be a 5.6 Million dollar decrease in funds available for faculty salaries between 1973 and 1974 in these Departments.

Chairmen of Departments of Psychiatry anticipate a 39% decrease in funds available for training stipends. This reflects primarily a decrease in the NIMH Training Grant Program and to a lesser extent a decrease in funds available from Hospital, State and Local sources. They anticipate some increase in funds from Patient Care Fees and Medical School Funds but overall anticipate a Three Million dollar decrease in Training Grant stipends.

There will also be a decrease in funds available for staff salaries of 6% in FY 1974 which primarily reflects the withdrawal of the NIMH Training Grant Program. Compensatory increases in funds available from State and Local sources as well as Patient Care Fees effect the loss of Federal funds somewhat but overall the Chairmen anticipate a decrease of 6% in funds for staff salaries.

Chairmen of Psychiatry anticipate a 24% decrease in funds available for program support. This represents primarily a decrease in funds available from NIMH and NIH Grants and Contracts but also reflects an acute shortage of Departmental funds and result in a net decrease of 2.5 Million dollars available for Departmental support.

Chairmen of Departments of Psychiatry anticipate a 17% decrease in the number of full-time equivalent faculty between 1973 and 1974. This primarily reflects a loss of non-tenured junior faculty who had been supported by NIMH Grants, Contracts and Training Grants.

The Department of Psychiatry Chairmen anticipate a 48% decrease in the number of trainees in FY 1974 primarily as a result of the cessation of the NIMH Training Grant Program.

TABLE VIII  
EXPENDITURES OF 42 PSYCHIATRY DEPARTMENTS  
BY SOURCE OF FUNDS, FY 1972-1974

	<u>FACULTY SALARIES*</u>			<u>TRAINING STIPENDS*</u>			<u>STAFF SALARIES*</u>			<u>PROGRAM SUPPORT*</u>		
	1972	1973	1974	'72	'73	'74	'72	'73	'74	'72	'73	'74
<u>NON-FEDERAL</u>												
Grants and Contracts	583	1103	499	140	32	29	217	268	185	209	239	128
Medical School Funds	5787	6719	6485	230	277	367	1109	1319	953	376	393	379
State and Local Funds	8010	8985	7698	1023	1199	978	4380	4975	5508	1628	1684	2000
Departmental Funds	2455	2748	2463	95	95	13	216	217	100	1721	1992	102
Hospital Funds	1745	1786	1955	714	921	509	592	572	597	57	60	300
Patient Care Fees	1805	2192	2291	164	293	413	1798	1933	2167	718	754	682
<u>FEDERAL</u>												
NIH-NIMH Grants/Contracts	2688	2450	2038	153	121	51	1275	1525	1268	1547	1716	792
Training Grants	6477	5728	2619	5176	4120	1840	1277	1102	421	1027	951	1239
GRS	218	362	350	0	0	0	25	26	19	65	289	2
Manpower Projects	394	501	451	0	0	0	9	9	9	0	4	0
V.A.	1484	1801	1925	466	533	333	0	0	0	0	0	0
Other	1541	1525	1508	128	176	176	790	740	749	2094	2633	2561
<u>ALL SOURCES TOTAL</u>	33187	35900	30282	8289	7767	4709	11688	12686	11976	9442	10715	8185
Change, 73-74			-16%			-39%			-6%			-24%

\*Thousands of Dollars

TABLE VIII  
SOURCE OF FACULTY SUPPORT  
IN 42 PSYCHIATRY DEPARTMENTS,  
FY 1972-1974

	<u>NUMBER OF FACULTY</u>			<u>NUMBER OF TRAINEES</u>		
	<u>(FTE)</u>			<u>(FTE)</u>		
	1972	1973	1974	1973	1973	1974
<u>NON-FEDERAL</u>						
Grants and Contracts	43	49	41	22	26	29
Medical School Funds	215	240	223	19	27	43
State and Local Funds	189	204	217	146	184	127
Departmental Funds	77	87	70	11	11	11
Hospital Funds	37	41	46	109	117	36
Patient Care Fees	74	50	54	5	6	6
<u>FEDERAL</u>						
NIH-NIMH Grants/Contracts	121	156	62	7	4	4
Training Grants	187	159	93	710	601	224
GRS	5	13	13	0	0	0
Manpower Projects	10	11	11	0	0	0
V.A.	27	33	34	21	25	31
Other	65	63	64	30	36	36
<u>ALL SOURCES TOTAL</u>	1050	1106	928	1080	1037	547
Change, 73-74			-17%			-48%

DEPARTMENTS OF PSYCHIATRY  
Schools Providing Data  
 Listed by State

AZ	Arizona	NV	Nevada
CA	California, Davis Loma Linda Southern California Stanford	NM	New Mexico
CT	Yale	NY	Albany Columbia Cornell New York Med Rochester SUNY Syracuse
DC	Georgetown	NC	North Carolina
FL	Miami	OH	Cincinnati Ohio State
GA	Emory	OR	Oregon
IL	@U. of Chicago Northwestern Southern Illinois	PA	Hahnemann Pittsburgh
IA	Iowa	SC	South Carolina
KY	Kentucky	TN	@Tennessee
LA	Louisiana, New Orleans	TX	Texas Southwestern
MD	Johns Hopkins Maryland	UT	Utah
MI	Wayne State	VT	Vermont
MS	Mississippi	VA	Medical College of Virginia U. of Virginia
MO	St. Louis Washington U., St. Louis	WV	West Virginia
NE	Nebraska		

@Received data for Tables I and II only.