LIAISON COMMITTEE ON MEDICAL EDUCATION

Council on Medical Education
American Medical Association
535 North Dearborn Street
Chicago, Illinois 60610

Edward S. Petersen, M.D.
LCME Secretary, 1979-80
(312) 751-6310

Executive Council
Association of American Medical Colleges
One Dupont Circle, N.W.
Washington, D.C. 20036

J.R. Schofield, M.D.
LCME Secretary, 1978-79
(202) 466-5120

July 3, 1979

John Ryan, Ph.D.
President
Indiana University
Office of the President
Bryan Hall 200
Bloomington, Indiana 47401

Dear Dr. Ryan:

The purpose of this letter is to advise you of the action of the Liaison Committee on Medical Education and to transmit formally to you the report of the survey team representing it which visited the Indiana University School of Medicine, September 26-30, 1977.

As you know, the Liaison Committee is the internationally recognized agency for accreditation of programs of medical education leading to the conferring of the M.D. degree in the U.S.A. and Canada. The purpose of the visit was to evaluate and accredit the undergraduate program in medical education leading to the M.D. degree.

The Liaison Committee on Medical Education in its meeting of June 27-28, 1979 has conferred continuing full accreditation on the program terminating in the M.D. degree for a period of ten years. Therefore, the Liaison Committee would expect to resurvey the program in the 1987-88 academic year.

The Dean is requested to submit the customary five year status report by January 1, 1983.

The Chairman and the members of the LCME apologize for the long delay in preparation of this survey report due to inexcusable staff member delay. When it finally received the report, the LCME took particular notice of the recent major growth in the educational program and its remarkable expansion in the regional centers. The LCME is impressed with the magnitude of the financial support given by the legislature to medical education in Indiana and applauds the statesmanlike manner in which the university has used these funds in enriching the faculty's scholarly efforts under direction of the Dean of the medical school. The system of management of quality control of the educational activities in the multiple centers is well designed and effectively administered, despite the difficulties involved. In conclusion, there is now good evidence that the "Indiana Plan" has achieved outstanding success in meeting its objectives as established a little more than a decade ago.

Accreditation is awarded on the basis that there is an appropriate balance between the size of the enrollment, in each class, and the total resources of the institution, including the faculty, physical facilities and the operating budget. If there is to be a substantial change in the size of the student enrollment, the format of the educational program, or the resources of the institution so that the appropriate balance between them is distorted, the LCME should receive prior notice of the change. If the balance is significantly altered, the accreditation status will be re-evaluated by the Liaison Committee.

A copy of this letter and of the survey report are being sent to the Chairperson of the Board of Trustees, Donald C. Danielson, and to the Dean of the School of Medicine, Steven C. Beering, M.D.

The report is considered confidential by the Liaison Committee and by its parent organizations. However, it is for the use of the School of Medicine and the University as directed by the best judgement of its officials.

Sincerely,

J. R. Schofield, M.D.
LCME Secretary, 1978-79

cc: Donald C. Danielson, Chairman, Board of Trustees
Steven C. Beering, M.D., Dean, School of Medicine
Edward S. Petersen, M.D., LCME Secretary, 1979-80

M E M O R A N D U M

TO: Liaison Committee on Medical Education

FROM: Ad Hoc Survey Team to the Indiana University School of Medicine

SUBJECT: Final Recommendations

DATE: March 16, 1979

- -

It is recommended that the accreditation of the Indiana University School of Medicine be continued for a period of ten years, with a progress report to be submitted at the time of the next visit of the regional accrediting authority, which is at present scheduled to take place in 1983.

James W. Haviland, M.D., Chairman

Marilyn Heins, M.D.

Gerald H. Holman, M.D.

Thomas J. Kennedy, Jr., M.D.

Karl H. Wegner, M.D.

Jackson W. Riddle, M.D., Ph.D.
Secretary

Report of the Survey of

Indiana University

School of Medicine

Indianapolis, Indiana

By the

Liaison Committee on Medical Education

Representing the
AMERICAN MEDICAL ASSOCIATION
and the
ASSOCIATION OF AMERICAN MEDICAL COLLEGES

September 26-30, 1977

TABLE OF CONTENTS

I. INTRODUCTION

The Indiana University School of Medicine was visited from September 26-30, 1977 by a survey team representing the Liaison Committee on Medical Education of the Council on Medical Education of the American Medical Association and the Executive Council of the Association of American Medical Colleges. Since entering students of the School of Medicine receive instruction in institutions in seven cities in addition to the Medical Center in Indianapolis and it seemed desirable to visit these institutions, the survey team was enlarged from the usual four to six members. It was comprised as follows:

James W. Haviland, M.D., University of Washington School of Medicine
Chairman

Marilyn Heins, M.D., Wayne State University School of Medicine
Team Member

Gerald H. Holman, M.D., Eastern Virginia Medical School
Team Member

Thomas J. Kennedy, Jr., M.D., Association of American Medical Colleges
Team Member

Karl H. Wegner, M.D., The University of South Dakota School of Medicine
Team Member

Jackson W. Riddle, M.D., Ph.D., American Medical Association
Secretary

The schedule followed by the survey team is found in the appendix of this report. Team members divided into groups to visit the regional centers for medical education and to visit teaching hospitals. The observations growing out of these visits were fully discussed in conferences including all of the team members; consequently, the conclusions and recommendations of this report are those of the entire team rather than of individual members.

History

The Indiana University School of Medicine was founded in 1903, and its first students were enrolled on the Bloomington campus. The school awarded the Doctor of Medicine degree to its first class of twenty-five in 1907. Following the union of all medical schools in the state with Indiana University in 1908, the General Assembly of the State of Indiana, in 1909, mandated that Indiana University assume the responsibility for medical education in the state. For many years, the students spent the first year on the main university campus in Bloomington, about fifty miles south of Indianapolis, going at the beginning of the second year to the Medical Center in Indianapolis where they studied pathology, microbiology, pharmacology, and the clinical sciences.

William Fisler Hall which has offices for the Dean and offices and laboratories for faculty; the University Hospital; the School of Dentistry; the School of Nursing; and several buildings devoted to student housing and recreation.

In addition, medical education is provided at regional centers throughout the state. These centers are located at the University of Notre Dame in South Bend, at Purdue University in Lafayette, at Ball State University in Muncie, at Indiana State University in Terre Haute, at the University of Evansville in Evansville, at the University of Indiana Northwest Campus in Gary, and at the University of Indiana in Bloomington. The locations of the main facility in Indianapolis and of the regional centers are shown on the map which follows this page.

Prior Surveys

An accreditation survey was completed for the School of Medicine in December, 1963. At that time the school was continued in full accreditation and in membership in the Association of American Medical Colleges. The most recent survey prior to the present one was made on October 24-28, 1971. It also recommended that the accreditation of the Indiana University School of Medicine be continued for the usual period and that the school's institutional membership in the Association of American Medical Colleges be continued.

Summary of the 1971 Survey

The 1971 survey team cited the following positive school improvements and efforts:

1. The School of Medicine is to be commended for the progress it has made since the last accreditation survey in 1963 and for the extent to which it has assumed a leadership role in Indiana and nationally in meeting health manpower needs, and in improving medical care, notably through the development of Phases I and II of the Statewide Program for Medical Education in Indiana.

2. Since the last visit, there has been a notable improvement and expansion of facilities, including the completion of Phase I and the initiation of Phase II of the University Hospital construction, the very attractive addition to the James Whitcomb Riley Hospital for Children, and the soon to be initiated addition to the Medical Sciences Building and the Regenstrief Health Center for ambulatory care.

3. The curriculum has been revised, the information overload reduced, clinical relevance improved, and earlier patient contact introduced, with flexibility to accommodate to differing career goals and interests through the senior year elective program.

4. At the time of the last survey visit, concern was expressed over the number of faculty in relation to the number of students. There has been

substantial improvement in that respect, the number of full-time faculty having increased from 173 to 341, and the total number of faculty increased from 607 to 1,033 with an increase in the entering class size from 216 to 250. However, Indiana still is in the fourth quartile of United States medical schools in ratio of faculty to students, and also in operating expenditures per undergraduate medical student.

5. With respect to Phase II of the Statewide Program, the Survey Team feels that the Indiana University School of Medicine should be commended for developing this innovative program for expanding its medical student capacity in basic science training through utilizing the resources of other universities. The program at Bloomington, in existence for many years, presents no serious problems, although the frequent turnover of directors seems to reflect a lack of stability and perhaps the need for a firmer organization. The programs at Notre Dame and Purdue Universities are newer, but the universities have substantial strength in the sciences and the programs may be expected to develop soundly. The Survey Team does not feel the same confidence regarding the program at Ball State University where the student morale seems to be poor, and where there seems to be considerable uncertainty in the institution as to the role and the future of the medical student program. Similar apprehension may be anticipated with respect to the contemplated program at Indiana State University.

6. With respect to Phase II of the Statewide Program in general, it is believed that there is a need for a clearer definition of faculty and organizational roles and responsibilities. This includes, for example, a clearer definition of the role of a department chairman at Indianapolis with respect to faculty appointments and promotions in his discipline in the satellite programs and in the development of those programs and, on the other hand, a definition of the roles and responsibilities of faculty members in the satellite programs in committee functioning and faculty governance at Indianapolis. It is believed also that there must be a continuing effort to create and maintain a feeling of identity as medical students among the students in the outlying programs.

The survey team expressed concern for the following:

1. With the faculty constitution having been developed so recently, it is not surprising to find a certain amount of uncertainty regarding the relative roles of the general faculty, the various faculty committees and the Administration. This uncertainty is particularly noticeable with respect to the responsibilities in curricular development of the general faculty, the Education Committee, the Executive Committee, and the Dean.

2. It is clear that the system for counseling of students in the choice of electives and other matters is quite inadequate and needs to be strengthened greatly.

3. The evaluation of student performance seems to be highly variable among different clinical departments.

4. There seems to be no very consistent evaluation or control of the quality of the senior electives offered in outlying hospitals.

In September, 1958, responsibility for the first year of medical instruction was transferred to Indianapolis. The following year the School of Medicine, in cooperation with the Indiana University College of Arts and Sciences and the Graduate School, started a new experimental program on the Bloomington campus which developed into the present Medical Sciences Program which is described in a later section of this report. An act of the General Assembly in 1967 authorized, and provided an appropriation for "the establishment of a regional hospital-affiliated internship-residency program and development of an expanded continuing education program..."; and in 1968 a pilot program was inaugurated involving the enrollment of a small number of first-year Indiana University School of Medicine students at Purdue University in Lafayette and at the University of Notre Dame in South Bend.

In January, 1969, the boards of trustees of Indiana University and Purdue University approved a plan to create what is known as "Indiana University-Purdue University at Indianapolis." The Indiana University Medical Center, consisting of the School of Medicine, the School of Dentistry, the School of Nursing, and the University Hospitals, together with affiliated hospitals is, therefore, located in the midst of a developing major university campus in Indianapolis.

The Indiana General Assembly passed an act in 1971 establishing the Indiana Statewide Medical Education System to "include, but not be limited to, centers for comprehensive medical education established in cooperation with existing medical and educational institutions in Gary, Fort Wayne, Lafayette, Evansville, South Bend, Terre Haute, and Muncie, Indiana." The act provided that a director for each center be appointed jointly by the Dean of the Indiana University School of Medicine and the local cooperating institution; and that the director and participating faculty members have joint faculty appointments at the School of Medicine and the local institution. It specified that the "School of Medicine shall be responsible for selection, admission, and assignment of students, and for curricular development and evaluation." The act provides that "medical students shall be admitted in 1971 to those centers which, in the judgment of the Indiana University School of Medicine, have developed appropriate faculty, facilities, and curricula, consistent with the accreditation standards...."

Currently, there are first year medical students at all these centers except Fort Wayne, and first and second year students at Bloomington. Thought is being given to developing second year programs at additional centers. Senior students are located in approved electives on the Medical Center campus in Indianapolis, in community hospitals in other centers, and in preceptorships throughout the state.

Setting

The main facility of the Indiana University School of Medicine is located on the Medical Center Campus, which includes some 85 acres of land, approximately one mile from the center of Indianapolis, a city of 745,000 and the capital of Indiana. The campus includes the medical science building, which houses the basic sciences departments and the library; James

INDIANA UNIVERSITY SCHOOL OF MEDICINE

STATEMENT OF GOALS

Preamble

The Indiana University School of Medicine is the primary medical educational unit of the State of Indiana, and the faculty and administration of the School have the charge to develop, refine and implement the form and detail of all aspects of the medical educational continuum, and as well, it is essential for the School to advance knowledge through research. It is also appropriate to provide health care services for such persons as need those services and, in addition, to find and apply resources to the study of health care problems and to suggest implementation of solutions to selected state, regional, and national health care agencies.

It is resolved that the realization of the following stated goals shall constitute the primary motivation of the administration, faculty, and staff of the School:

1. The School will, as its first and overriding responsibility, provide for its students a learning environment in which they may acquire a sound and comprehensive basic education in medicine, and in which they may develop skills, attitudes, abilities and concepts which will establish lifelong habits of integrity, scholarship, and excellence.

2. The School, through its faculty, must not only convey established concepts and skills but must constantly pursue the quest for new knowledge and its applications. To this end it must maintain vigorous programs of both individual and institutional research.

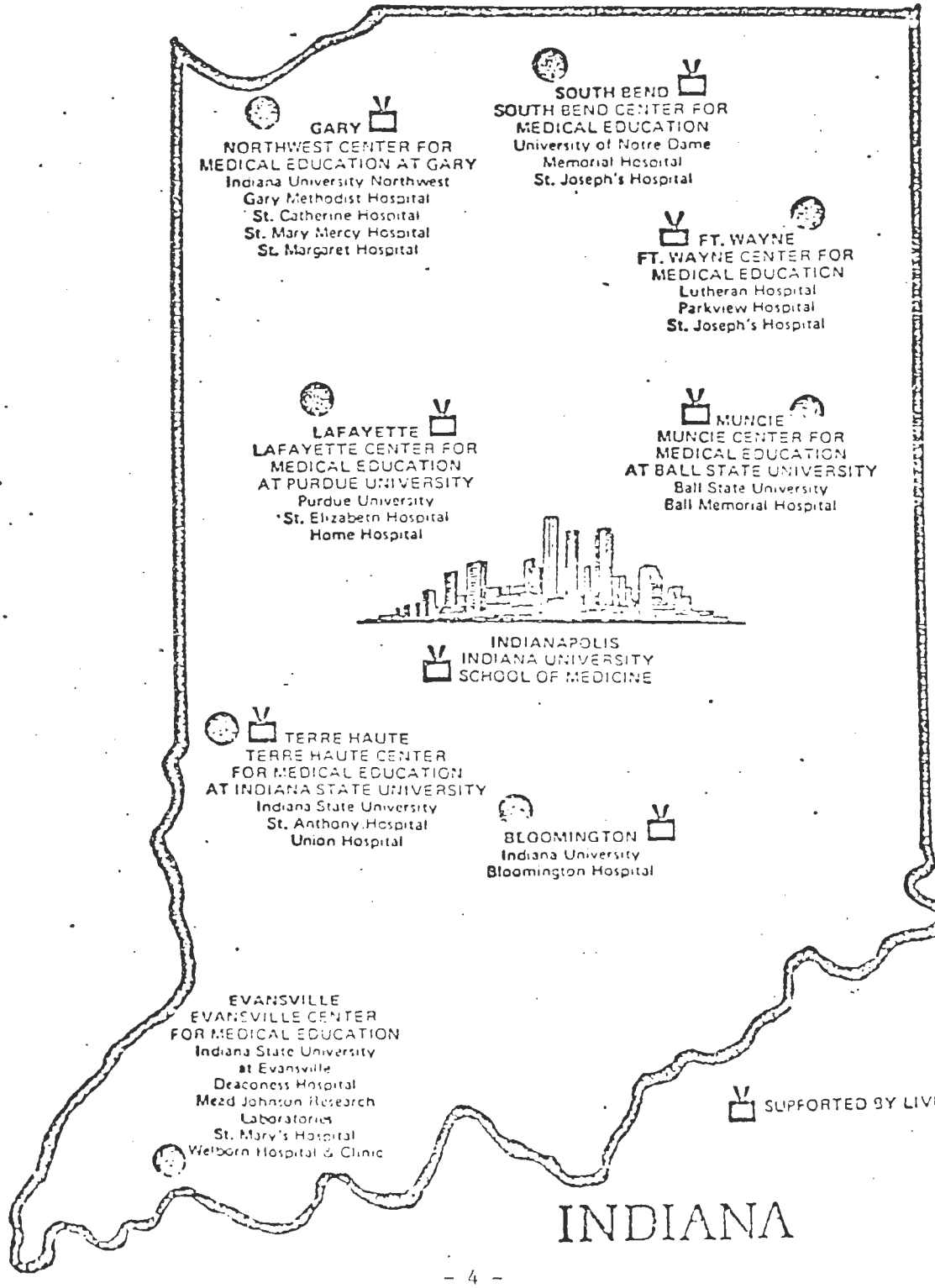
3. The School will improve existing programs and develop new programs leading to M.D., Ph.D., and Sc.D. degrees in the medical sciences, since such professionals are critical to the maintenance of high quality of medical research, teaching and service. The School will provide for the education and training of paramedical scientists and technicians, where study indicates the needs of society for such services.

4. The School will, in cooperation with its affiliated hospitals, continue to sponsor and improve graduate medical education, through which the physician acquires the knowledge and skills needed to function effectively in any of the several specialties of medical practice.

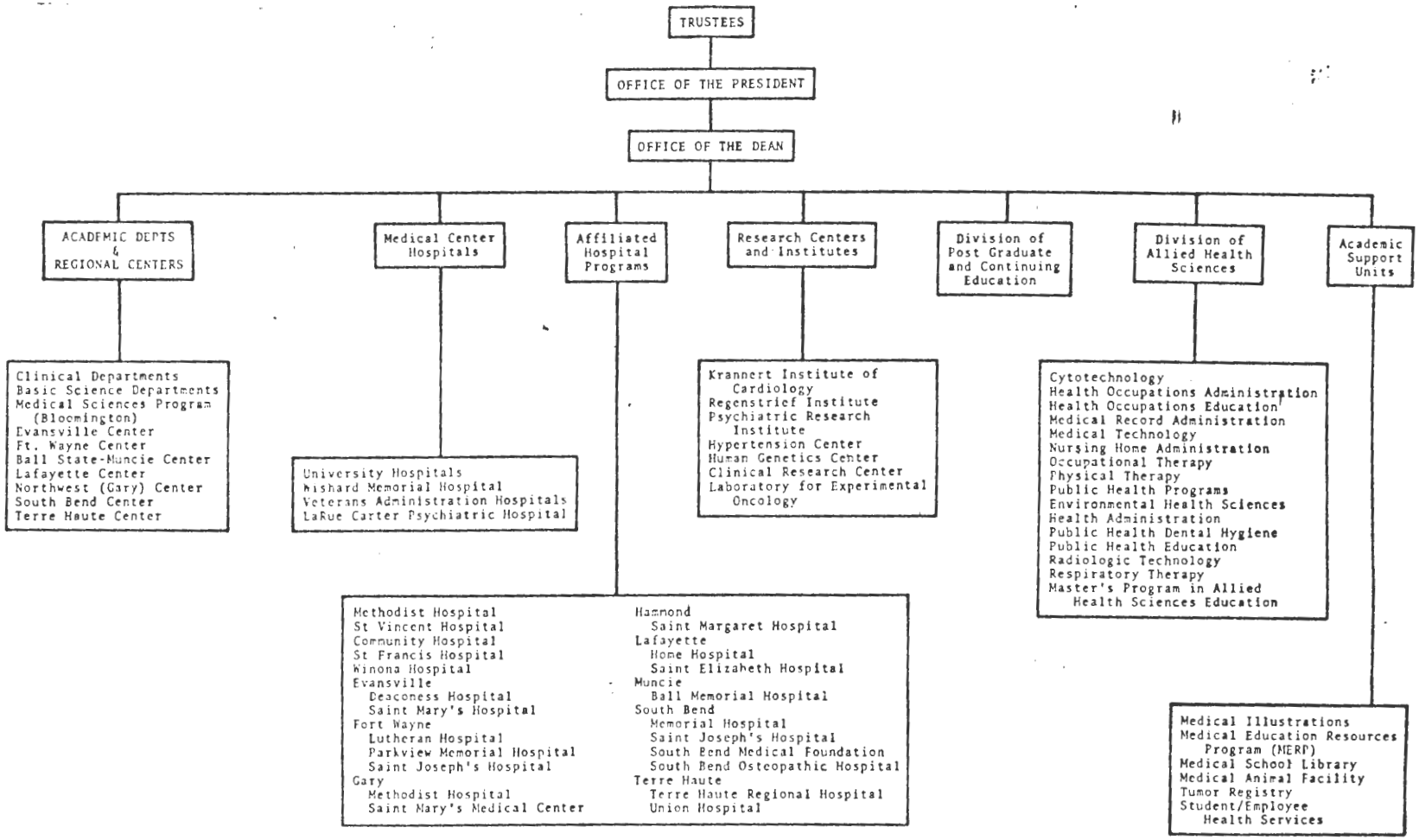
INDIANA CENTERS FOR MEDICAL EDUCATION

(Showing educational and clinical facilities being utilized for medical education)

Indiana University School of Medicine
Medical Educational Resources Program



INDIANA UNIVERSITY SCHOOL OF MEDICINE
ORGANIZATION CHART



5. With respect to student affairs, the role of students in governance obviously is under development and at the present time seems rather ambiguous, with different individuals having widely differing perceptions.

6. The concern with minority student recruitment and guidance is noted. It will require continued attention, especially counseling and tutorial assistance,as more educationally disadvantaged students are admitted.

7. It is believed that there should be a more systematic method of obtaining student reaction to curricular change.

8. The functioning of the University Hospitals in relation to the School of Medicine warrants thorough study and the hospital's role should be more clearly defined. It seems clear that the administrative staff of that hospital lacks an understanding of the unique problems, objectives, and demands of the teaching hospital-medical school relationship. There appears to be a rather ambiguous dual responsibility of the University Hospitals to the Chancellor of Indiana University-Purdue University at Indianapolis and to the Vice President and Treasurer of Indiana University at Bloomington. The uncertainty of responsibility for the nursingservice at University Hospitals between the School of Nursing and the Hospital Director is creating problems in both patient care and teaching.

The following comments regarding individual departments of the School of Medicine were made:

1. The number of departments competing for the attention of the Dean in terms of budgetary recognition and influence seems unduly large, and there is little evidence of a rationale or a set of criteria by which the School systematically evaluates departmental structure or makes decisions regarding new departments. It is understood that this is being corrected with the recently adopted Faculty Constitution.

2. There is a need for coordination of the activities of the Departments of Community Health Sciences and Preventive Medicine and Public Health, and the Program in Family Practice. There seems to be an artifical separation of research from teaching, with research concentrated in the first and teaching in the last.

3. The Department of Anatomy is at a low ebb in many respects. This is clearly recognized by the Administration and it is understood that a Search Committee is actively seeking a new Chairman.

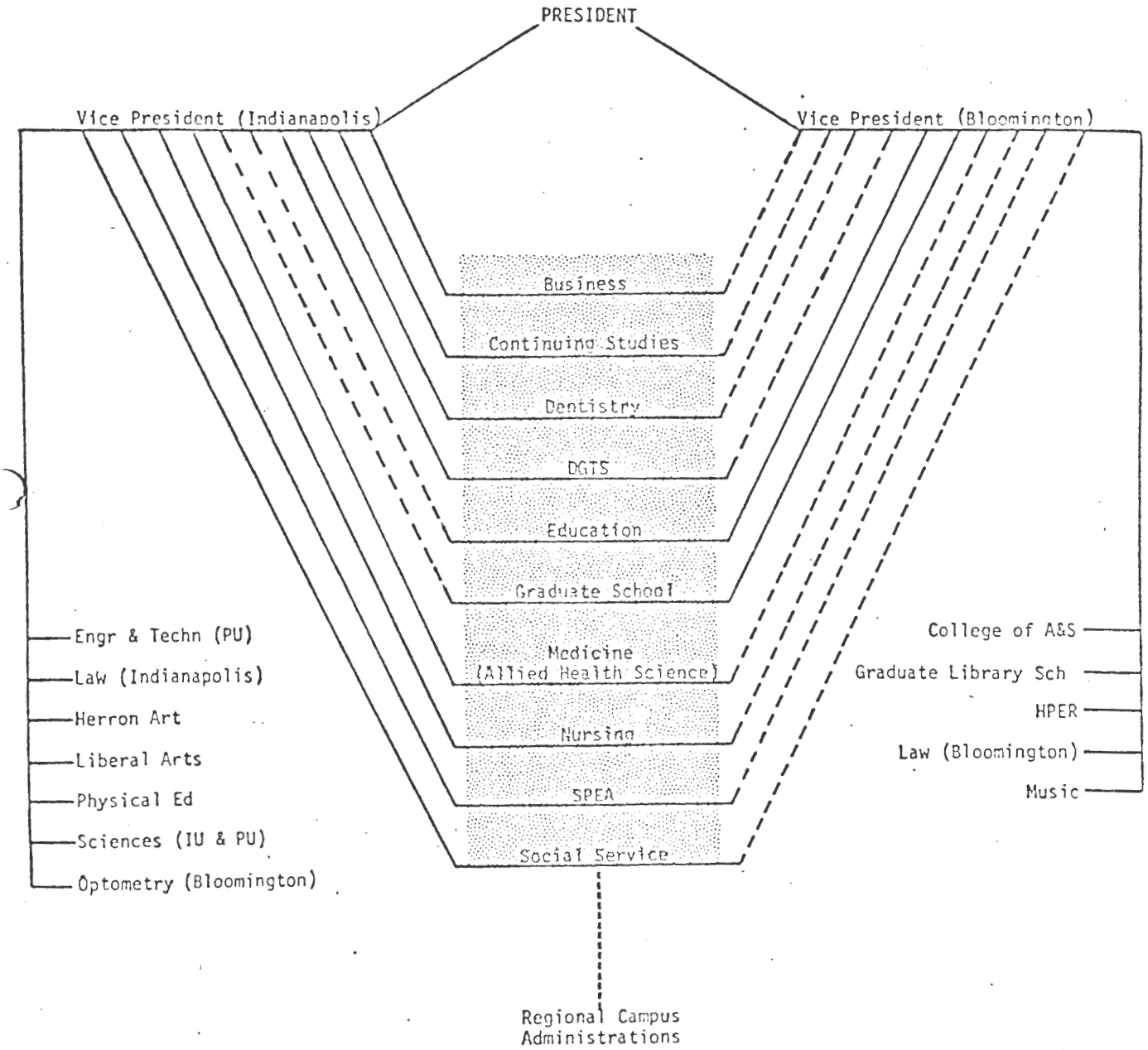
4. The Department of Radiology is characterized by low moral and shortages of faculty and space. It appears that progress in correcting this is being made with the appointment of the new Department Chairman, due to arrive July 1.

5. The Department of Otorhinolaryngology, with no full-time faculty except for the Audiology and Speech Therapy Section, needs attention.

Surveyors' Comments Regarding Statement of Goals

The objectives of the Indiana University School of Medicine as stated in the 1977 Medical Education Data Base are appropriate and completely acceptable to the survey team. The statement of these goals is reproduced on the following pages.

ACADEMIC ORGANIZATION OF INDIANA UNIVERSITY, 1976



Solid lines show reporting lines of academic deans.
Dashed lines show regulation of campus-specific activities.
The shaded area encloses schools which extend to more than one campus.

5. The School and all faculty and facilities of the Medical Center will support the expanding efforts in continuing medical education and renewal, since these are vital to the practicing physician and to the faculty itself.

6. The School and its faculty must continue to serve as an important resource for patient care, and should seek continuously for improvements in methods of health care and serve as a model for high quality in all areas of medical practice.

(b) List the BASIC MEDICAL SCIENCE departments, name of chairman, age, year of appointment, highest degree, and where obtained.

Department	Chairman	Age	Year of Appointment	Highest Degree	Where Obtained
Anatomy	Charles E. Blevins	52	1973	Ph.D.	U. of California
Biochemistry	David M. Gibson	53	1967	M.D.	Harvard U.
Medical Sciences Program	Ward W. Moore	53	1976	Ph.D.	U. of Illinois
Lab. for Experimental Oncology	George Weber	55	1974	MD/CM	Queens U.
Microbiology	William D. Sawyer	47	1973	M.D.	Washington U.
Pathology	Joshua Edwards	58	1969	M.D.	Tulane U.
Pharmacology & Toxicology	Henry Besch	34	1977	Ph.D.	Ohio State U.
Physiology	Ewald E. Selkurt	63	1958	Ph.D.	U. of Wisconsin

(c) List the ADMINISTRATIVE UNITS, e.g., institutes, center, etc. NOT reporting through the departmental chairmen listed in 20 a & b.

Administrative Unit	Chairman or Director	Age	Year of Appointment	Highest Degree	Where Obtained
Dean	Steven C. Beering, M.D.	44	1974	M.D.	U. of Pittsburgh
Allied Health Sciences	Elton T. Ridley, Interim Director	50	1977	M.B.A.	U. of Chicago
Medical Biophysics Program	Sidney Ochs	52	1968	Ph.D.	U. of Chicago
Medical Library	Mary Jane Laatz	60	1957	B.S.	Case Western Reserve
Medical Illustrations	Craig Gosling	40	1973	B.A.	Hunter College

The survey team recommends, in view of the very broad and important University responsibilities held by Dean Beering, that consideration be given to assigning him a university title which is more indicative of his responsibilities for the several components of the Medical Center than his present title is.

LCME PART II

ORGANIZATION AND ADMINISTRATION

9. Describe the geographic relationship of the Medical School with:

A. The Main Campus of the University

The core campus of the University is located in Bloomington (50 miles south) and Indianapolis. The Medical Center in Indianapolis and the other University campuses are linked by a direct-dial SUVON telephone system and also by the State University Telecommunication System. In addition, there is a daily courier mail service between campuses transporting correspondence and various other materials.

B. The Principal Teaching Hospitals

The principal teaching hospitals of the Medical School are located on the Medical Center campus in Indianapolis. There are over 2,100 teaching beds in the following four hospital facilities:

University Hospital and Riley Memorial Hospital	589 Beds
Wishard Memorial Hospital	640 Beds
Veterans Administration Hospitals	725 Beds
LaRue Carter Hospital	225 Beds

In addition four major affiliated hospitals with 2,900 teaching beds are located in Indianapolis within 10 to 15 minutes' drive:

Methodist Hospital	1,162 Beds
St. Vincent Hospital	507 Beds
Community Hospital	790 Beds
St. Francis Hospital	447 Beds

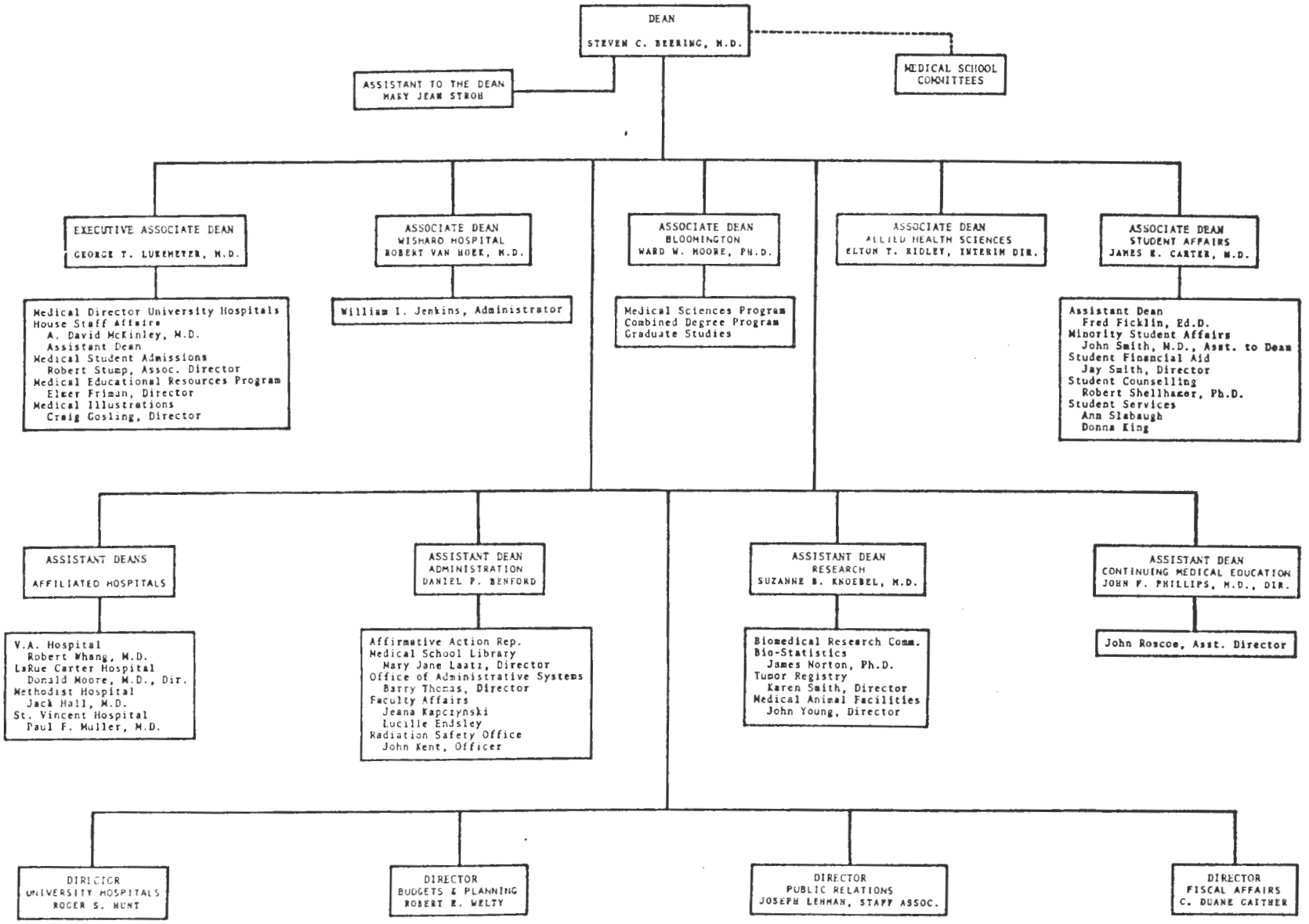
C. Branch Clinical Sites in Other Cities

At the present time, 23 community hospitals are affiliated with the School of Medicine and participate in the undergraduate and post-graduate programs of the School. Continuing education experiences are offered to physicians throughout the State of Indiana through a biomedical communications network which links the Indiana University School of Medicine with 94 community hospitals, 10 university campuses and 198 libraries.

The attached Exhibits show the cities and hospitals on the videotape mailing network, the medical television network and the educational and clinical facilities being utilized at the Centers for Medical Education.

ORGANIZATIONAL CHART
INDIANA UNIVERSITY SCHOOL OF MEDICINE

OFFICE OF THE DEAN



The Data Base states that an amount equal to 23% of salary is expended by the School of Medicine for fringe benefits. Benefits include retirement insurance, life insurance, hospitalization and major medical care insurance, disability insurance (as part of life insurance), and social security insurance. The basis on which tenure and promotion decisions are made are carefully detailed; these also are provided in Part III of the self study.

The survey team met with many different faculty members at different times. With the exception of salary, which is discussed below, the team encountered no dissatisfaction on the part of the faculty with the administration of the School of Medicine or with school policies. While the reservations of faculty members at Bloomington must be noted, by and large the faculty was highly satisfied with the organization of medical education in Indiana.

The team which surveyed the School of Medicine in 1971 expressed concern that a uniform school-wide medical service plan had not been developed. Such a plan has not been developed as yet. The present survey team also points out the importance of such a plan to the administration of a school of medicine.

While there were complaints about salaries and about the relative modesty of annual increases, there were no complaints about other matters, such as promotion, tenure, etc. Faculty salaries do appear to be somewhat lower at the Indiana School of Medicine than elsewhere. A comparison is made below of the average salaries reported in the Data Base for basic sciences faculty at Indiana and of mean U.S. salaries of medical faculty members in the basic sciences in the U.S. as a whole.

Basic Sciences	Indiana	All of U.S.*
Professors	$27,669	$33.9
Associate Professors	24,877	26.3
Assistant Professors	18,975	20.8

The survey team recommends that steps be taken to make salaries at the Indiana University School of Medicine competitive with those elsewhere, in the interests of the school's retaining present faculty and attracting new faculty.

In commenting on the extensive teaching responsibilities of the faculty, the self study indicates that an increase in the size of the staff would be desirable, particularly in the anatomy, physiology, and pathology departments and in the primary care specialties.

* Reported in the Journal of Medical Education, May, 1977, p. 437.

20. (a) List the CLINICAL departments, name of chairman, age, year of appointment, highest degree, and where obtained.

Department	Chairman	Age	Year of Appointment	Highest Degree	Where Obtained
Anesthesiology	Robert K. Stoelting	38	1977	M.D.	Indiana University
Clinical Pathology	Carleton D. Nordschow	50	1969	MD/PhD	U. of Iowa (53,64)
Dermatology	Arthur Norins	48	1976	M.D.	Northwestern U.
Family Medicine	A. Alan Fischer	50	1974	M.D.	Indiana University
Medical Genetics	A. Donald Merritt	51	1966	M.D.	George Washington U.
Medicine	Walter J. Daly	47	1970	M.D.	Indiana University
Neurology	Mark Dyken	48	1971	M.D.	Indiana University
OB/GYN	Charles Hunter	54	1969	M.D.	U. of Kansas
Ophthalmology	Fred M. Wilson	63	1954	M.D.	Indiana University
Orthopaedic Surgery	Donald B. Kettelkamp	47	1974	M.D.	State U. of Iowa
Otolaryngology	Raleigh Lingeman	55	1971	M.D.	Indiana University
Pediatrics	Morris Green	54	1967	M.D.	Indiana University
Psychiatry	Hugh C. Hendrie	41	1975	MB/ChB	U. of Glasgow (Scotland)
Radiology	Eugene C. Klatte	49	1971	M.D.	Indiana University
Radiation Oncology	Ned B. Hornback	45	1970	M.D.	U. of Wisconsin
Surgery	John E. Jesseph	51	1971	M.D.	U. of Washington
Urology	John P. Donohue	46	1971	M.D.	Cornell University

1. FULL-TIME MEDICAL SCHOOL FACULTY POSITIONS (cont'd)

NUMBER OF BUDGETED FILLED POSITIONS

	Professor		Associate Professor		Assistant Professor		Instructor and Other		Total	
	76-77	77-78	76-77	77-78	76-77	77-78	76-77	77-78	76-77	77-78
Clinical Dept. Cont'd.										
Ophthalmology	4	4	1	1	5	5	0	0	10	10
Orthopedics	2	2	1	1	3	3	0	0	6	6
Otolaryngology	5	5	1	1	7	7	0	0	13	13
Pediatrics	6	6	4	4	15	15	2	2	27	27
Psychiatry	20	20	11	11	31	31	1	1	63	63
Public Health-Prev. Med.	0	0	0	0	0	0	0	0	0	0
Radiology	6	6	4	4	16	16	6	6	32	32
Surgery	15	15	7	7	6	6	0	0	28	28
Urology	2	2	0	0	2	2	0	0	4	4
Other Clinical Depts. (Specify)										
Clin.Pathology	3	3	6	6	8	8	2	2	19	19
Med.Genetics	4	4	2	2	4	4	0	0	10	10
Subtotal	123	123	73	73	156	160	14	14	366	370
TOTALS	182	182	114	114	232	237	27	27	555	560

(c) Administrative Units (continued)

Administrative Unit	Chairman or Director	Age	Year of Appointment	Highest Degree	Where Obtained
Medical Educational Resources Program	Elmer Friman	47	1971	Diploma	RCA Institute of Electronics
Evansville Center for Medical Education	Patrick J.V. Corcoran	65	1971	M.D.	Northwestern U.
Ft. Wayne Center for Medical Educations	Franklin A. Bryan	59	1970	M.D.	Indiana University
Lafayette Center for Medical Education	Lindley Wagner	43	1972	M.D.	Indiana University
Muncie Center for Medical Education	Douglas Triplett	33	1977	M.D.	Indiana University
Northwest Center for Medical Education (Gary)	Panayotis Iatridis	50	1975	MD/D.Sc.	U. of Athens 51,68
South Bend Center for Medical Education	Thomas A. Troeger	39	1970	M.D.	Indiana University
Terre Haute Center for Medical Education	Alvin S. Levine	47	1971	Ph.D.	Rutgers University
University Hospitals	Roger Hunt	34	1977	MBA	George Washington U.
Wishard Memorial Hospital	Robert van Hoek	50	1976	M.D.	Columbia U.
Continuing Medical Education	John Phillips (Acting Director	56	1975	M.D.	Indiana University

3. FRINGE BENEFITS (cont'd)

(4) Travel Insurance Part of life insurance.

(5) Disability Insurance Part of life insurance and TIAA-CREF disability insurance provides income. The same as age 70 retirement, after five years as an Asst., Assoc. or full professor, if totally disabled.

(6) Educational Benefits for Faculty Children None

(7) Social Security yes

(8) Other None

3a. What is the mandatory retirement age for members of the faculty? 70

III. FACULTY

The 1971 survey reported that there were 341 full-time, 108 part-time and 584 volunteer faculty. The 1977 self-study reports that in 1976-1977 there were 555 full-time, 147 part-time, and 818 volunteer faculty. The faculty-student ratio is now 2.4 students for each full-time faculty, as opposed to a ratio of 2.8 in 1971.

The survey team was impressed by the youth, vigor, and enthusiasm of the faculty, particularly of those at the centers for medical education. Faculty at these centers, which are dispersed throughout the state, do not appear to suffer from feelings of isolation. The view was expressed during the site visits that extensive interdisciplinary contact at the centers compensated for limited intradisciplinary contact. Faculty at the centers claimed to enjoy the autonomy of the regional centers, and accepted the responsibility to teach larger portions of the curriculum than faculty usually teach at other medical schools. The isolation of the centers is reduced by periodic contact with colleagues in other centers and at Indianapolis.

The meagerness of the research efforts at the medical education centers is of concern to the survey team, both because regular research efforts are a part of continued excellence in teaching, and because research activities play a role in the career development of young faculty. The self study reports an increase recently in publications and in development of financial support for research activities, and attributes the improvement, at least partly, to the appointment of an Assistant Dean for Research. The survey team recognizes the efforts being made to encourage faculty scholarship and recommends that they be continued.

The faculty of the Medical Sciences Program at Bloomington does not fit the pattern of those in the other Centers. The faculty members at Bloomington as a group are not as young as those at the other centers and include many who stayed in Bloomington when the first two years of medical education were moved to Indianapolis in the late 1950's. They are oriented more toward and hold to a strong tradition of graduate education; many express misgivings about the dispersal of medical education to centers throughout the state where research and opportunities for graduate education are necessarily limited.

The faculty at the Indiana University School of Medicine is governed by a constitution adopted in 1971 and by a set of medical school faculty bylaws revised in 1967. General faculty meetings are held at least three times a year, and an elected steering committee meets at least once a month. Members of the steering committee, in addition to the Dean, are the following faculty officers: president-elect, secretary-elect, and one representative from each of the five committees partially elected by the faculty. These committees are Academic Standards, Admissions, Community Relations, Education, and Faculty Promotions. Some 40 other committees are approved by the Dean. The Basic Science Council is composed of the Basic Science chairmen whose appointments are approved by the Board of Trustees. Committees enjoy a broad membership from among the faculty. The committees and their memberships are listed in Section III of the Data Base.

5.) SUMMARY OF BUDGET FOR THE MEDICAL SCHOOL

	Regular Operating Programs		Sponsored Programs		Other Funds		Total	
	1976-1977	Estimate 1977-1978	1976-1977	Estimate 1977-1978	1976-1977	Estimate 1977-1978	1976-1977	Estimate 1977-1978
Dean's Office	5,276,976	5,600,000	213,537	250,000	1,184,244	1,219,050	6,674,757	7,069,050
Academic Administrative Units[1]								
Student Affairs	208,886	215,000					208,886	215,000
Medical Admissions	56,593	59,000					56,593	59,000
Accounts Management	63,027	65,000	31,000	32,200			94,027	97,200
Library	487,541	510,000	35,796	38,000	5,086	20,000	528,423	568,000
Business and Fiscal Units[2]								
Health Administration	80,964	82,000			3,948	4,000	84,912	86,000
Allied Health	583,358	606,000	637,480	645,000	270,961	235,000	1,491,799	1,486,000
Post Grad Med. Ed.	11,773	12,250			90,000	90,000	101,773	102,250
Laboratory for Exp. Oncology	34,556	35,000	464,703	460,000	52,000	52,000	551,259	547,000
Sub total	6,803,674	7,184,250	1,382,516	1,425,200	1,606,239	1,620,050	9,792,429	10,229,500

[1] List such separately budgeted units as Registrar, Student Affairs Office, Multiple Discipline Laboratories, Student Health, Research in Medical Education, etc.

[2] List separately budgeted units such as Comptroller, Personnel, Purchasing, etc.

(Summary continued on next page)

Date of Survey 4/1/77

LCME PART III

FACULTY

1. FULL-TIME MEDICAL SCHOOL FACULTY POSITIONS
(include those salaried by affiliated hospitals)

NUMBER OF BUDGETED FILLED POSITIONS

	Professor		Associate Professor		Assistant Professor		Instructor and Other		Total	
	76-77	77-78	76-77	77-78	76-77	77-78	76-77	77-78	76-77	77-78
Basic Science Departments										
Anatomy	10	10	6	6	12	12	1	1	29	29
Biochemistry	6	6	7	7	3	3	0	0	16	16
Microbiology	9	9	1	1	9	9	0	0	19	19
Pathology, Anat	5	5	4	4	7	7	0	0	16	16
Pharmacology	7	7	3	3	7	7	1	1	18	18
Physiology	14	14	7	7	7	7	0	0	28	28
Other Social Serv.	0	0	1	1	1	1	0	0	2	2
Allied Health	5	5	7	7	27	28	8	8	47	48
Library	2	2	5	5	1	1	3	3	11	11
Lab for Exper. Oncology	1	1	0	0	2	2	0	0	3	3
Subtotal	59	59	41	41	76	77	13	13	189	190
Clinical Departments										
Anesthesiology	4	4	2	2	14	14	0	0	20	20
Dermatology	2	2	0	0	0	0	0	0	2	2
Family Med.	1	1	0	0	3	3	0	0	4	4
Medicine	37	37	29	29	29	32	3	3	98	101
Neurology	4	4	2	2	5	5	0	0	11	11
Ob-Gyn	8	8	3	3	8	9	0	0	19	20

	Regular Operating Programs 1976-1977	Regular Operating Programs Estimate 1977-1978	Sponsored Programs 1976-1977	Sponsored Programs Estimate 1977-1978	Other Funds 1976-1977	Other Funds Estimate 1977-1978	Total 1976-1977	Total Estimate 1977-1978
Clinical Departments (cont'd).								
Obstetrics-Gynecology	278,868	290,000	277,994	277,000	400,000	400,000	956,862	967,000
Ophthalmology	137,871	140,000	196,271	200,000	250,000	270,000	584,142	610,000
Orthopedics	158,039	164,000	121,114	120,000	216,000	240,000	495,153	524,000
Otolaryngology	190,065	197,000	152,171	150,000	83,000	83,000	425,236	430,000
Pediatrics	503,349	523,000	1,070,450	1,100,000	500,000	500,000	2,073,799	2,123,000
Physical Medicine								
Psychiatry	1,208,814	1,250,000	610,789	610,000	103,000	103,000	1,922,603	1,963,000
Public Health - Preventive Medicine								
Radiology	353,613	367,000	199,594	200,000	1,959,016	2,000,000	2,512,223	2,567,000
Surgery	956,245	994,000	142,010	140,000	495,000	495,000	1,593,255	1,629,000
Urology	171,883	178,000	32,659	32,000	7,500	7,500	212,042	217,500
Other Clinical Departments (Specify)								
Medical Genetics	309,715	322,000	999,812	1,000,000	80,000	80,000	1,389,527	1,402,000
Clinical Pathology	316,765	329,000	20,000	20,000	751,424	750,000	1,088,189	1,099,000
Radiation Oncology	182,501	190,000	57,524	57,000	63,000	63,000	303,025	310,000
Residents	827,039	800,000					827,039	800,000
Subtotals	8,209,231	8,434,000	8,105,171	8,056,000	8,562,160	8,676,500	24,876,562	25,166,500
TOTALS	22,104,402	22,957,250	11,776,203	11,712,700	10,821,945	10930,050	44,702,550	45,600,000

2. FACULTY SALARY RANGES, STRICT FULL-TIME -

	Basic Science Departments			Clinical Departments* (including Pathology) (delete Ph.D.'s)		
	Maximum	Minimum	Average	Maximum	Minimum	Average
Dept. Chairmen	$54,300	$33,600	$39,577	$78,375	$22,600	$44,817
Professors	$47,000	$21,100	$27,669	$74,650	$15,500	$35,476
Associate Professors	$42,800	$19,000	$24,877	$71,060	$18,400	$31,398
Assistant Professors	$32,000	$14,000	$18,975	$59,000	$15,000	$28,657
Instructors	$	$	$	$45,000	$20,000	$30,000

* Attach a copy of faculty practice plan(s), regulations, or other rules for disposition of faculty earnings. If there are no formal plans in effect, attach a statement explaining local custom.

3. FRINGE BENEFITS

Aggregate an estimated 23 % of salary, provided by school.

Consist of: (detail type, source, amount, etc., in each category).

(1) Retirement - Annuity (state type) TIAA-CREF. The University contributes 11% of the first $7800 and 15% of all over $7800 of each faculty member's salary. No employee contribution is necessary.

(2) Life Insurance (indicate amounts) Two time salary not to exceed $50,000.

(3) Hospitalization - Medical Care Provisions BC-BS, 365 days hospitalization, outpatient diagnostic-$100 per year.

Major Medical Care BC-BS, $100 deductable and 20% of balance paid by employee - not to exceed $25,000.

LCME PART V

PLANT

3a. Please complete the table for buildings used for undergraduate medical student teaching.

Use the following code for noting major functions of buildings; each building may have more than one function.

1. Undergraduate teaching
2. Graduate teaching
3. Other teaching
4. Inpatient care
5. Outpatient care
6. Clinical research
7. Other laboratory research
8. Administration
9. Other

Building Name	Year Construction Completed	Most Important Function (use code)	Estimated Cost at Time of Completion*	Total Net Sqare Feet	Net Sq. Ft. Assigned Undergraduate Med. Education	% Sq. Ft. Assigned Undergraduate Med. Education	No. Beds Where Applicable
Clinical	1938	6,5,7,1	$ 845,385	83,853	8,385	10%	-
Coleman Hosp.	1927	5,1	501,286	38,990	3,899	10%	-
Cottages	1923,1925	5,1	5,000/6,800 619,533	12,737	1,274	10%	-
Emerson	1919,1928	1,5	1,217,912	52,543	39,407	75%	-
Fesler Hall	1928	8,5,1	545,407	51,499	10,300	20%	-
Long Hosp.	1914	5,4,1	685,639	40,285	4,029	10%	44
Medical Sci.	1954	1,2,7	7,351,000	235,728	212,155	90%	-
Med.Sci.Res.	1970	7,6,1,2	727,000	16,220	811	5%	-
Psychiatric Res.	1957	7,6,1,2	1,264,690	33,646	1,682	5%	-
Riley Hosp.	1924,1930 1935,1964	5,1,6	6,041,948	196,023	39,204	20%	-
Riley Hosp.Addn.	1970	4,5	8,338,503	158,209	23,731	15%	216

*Based on Physical Facilities Manual

IV. RESOURCES: FINANCES

For the 1976-1977 fiscal year, the total operating expenditures of the School of Medicine are approximately $44.7 million, of which $22.1 million are regular operating expenses and $22.6 are expenditures of sponsored programs. While the expenditures are roughly twice those of the College in 1971 when the last survey report was prepared, the proportion of the expenditures devoted to regular operations is considerably larger than in 1971: $22 million of $44 million in 1977 as opposed to $9 million of $22 million in 1971. State appropriations accounted for about $8 million of the regular operating expenditures in 1971 and for $18.7 million in 1977.

The self study indicates that the dollar amount of federal support has remained constant and, therefore, provides a smaller proportion of the total budget than formerly. Proportionally larger expenditures for the regular operations than in the past derive from the University's general fund, from professional fees, and from the sale of educational department services, for instance for continuing medical education programs.

In overall terms the financial condition of the School of Medicine is sound. Net surpluses were reported for 1974-1975 and 1975-1976; income and expenditures balanced for 1976-1977 and are expected to balance for 1977-1978. The Indiana state legislature is expected to cover losses of income resulting from the reduction in federal capitation grants, and is expected to continue providing a sound financial base for the School of Medicine. Attention is called to comments on the School of Medicine's financial condition included in Part IV of the self study.

1.b. Which, if any, of these buildings are now scheduled for demolition?

*Based on Facilities Inventory

Building	Year Completed	Most Important Functions (Use Code)	Date of Demolition	Net Square Feet
Cottages	1923		Not before 1980	12,737

1.c. Which of these buildings are now scheduled for a capitalized alteration? None

Building	Year Completed	Current Function	Date Renovation	Scheduled Function	Estimated* Cost of Alteration	Net Sq. Feet Renovated

1.d. Which, if any, buildings on medical center campus and listed above have undergone major renovations in the past five years?

See attachment 1.d

Building	Year Completed	Old Function (Use Code)	Date of Alteration	Current Function (Use Code)	Estimated* Cost	Net Sq. Feet Renovated

* Costs to include construction, fixed equipment, site preparation, and architects, engineers, and consultants fees.

	Regular Operating	Programs Estimate	Sponsored	Programs Estimate	Other Funds	Estimate	Total	Estimate
	1976-1977	1977-1978	1976-1977	1977-1978	1976-1977	1977-1978	1976-1977	1977-1978
Basic Science Departments:								
Anatomy	563,573	585,000			4,515	4,500	568,088	589,500
Biochemistry	615,263	638,000	346,351	345,000	131,992	130,000	1,093,606	1,113,000
Microbiology	519,634	540,000	321,880	320,000	63,000	60,000	904,514	920,000
Pathology	874,866	900,000	115,343	115,000	70,000	70,000	1,060,209	1,085,000
Toxicology	184,660	190,000	123,169	120,000	116,000	115,000	423,829	425,000
Pharmacology	422,470	440,000	90,000	90,000	128,675	125,000	641,145	655,000
Biophysics	29,182	30,000	1,600	1,500	24,364	24,000	55,146	55,500
Physiology	422,495	438,000	322,268	320,000	39,000	35,000	783,763	793,000
Other (Specify)								
Evansville Center for Med.	390,823	405,000					390,823	405,000
Ft. Wayne Center for Med.	124,038	128,000					124,038	128,000
Gary Center for Med.	459,420	463,000					459,420	463,000
Lafayette Center for Med.	504,246	524,000					504,246	524,000
Muncie	385,386	400,000					385,386	400,000
South Bend Center for Med.	344,134	357,000					344,134	357,000
Terre Haute	413,041	430,000	74,018	70,000	10,000	10,000	497,059	510,000
Med. Science Program	838,266	871,000	893,887	850,000	66,000	60,000	1,798,153	1,781,000
Subtotal	7,091,497	7,339,000	2,288,516	2,231,500	653,546	633,500	10,033,559	10,204,000
Clinical Departments:								
Anesthesiology	76,891	80,000	341,671	300,000	187,319	230,000	605,881	610,000
Dermatology	62,529	65,000			65,936	65,000	128,465	130,000
Family Medicine	467,103	485,000	316,034	300,000	48,000	40,000	831,137	825,000
Medicine	1,659,720	1,700,000	2,860,187	2,850,000	3,152,965	3,150,000	7,672,872	7,700,000
Neurology	348,221	360,000	706,891	700,000	200,000	200,000	1,255,112	1,260,000

(Clinical Departments -continued)

8. University Hospital Chapel (I.U. Foundation)
($25,000 const. cost est.) Arch. fee $5,000

9. University Hospital 40 MEU Linear Accelerator
Contract date 12/73 $737,140

10. University Hospital 4 MEU Accelerator
Contract date 8/74 $157,065

V. RESOURCES: PHYSICAL PLANT

Medical education at the Indiana University School of Medicine takes place at the Medical Center in Indianapolis and at centers for medical education in Evansville, Fort Wayne, Lafayette, Muncie, Gary (Northwest Center), South Bend, Bloomington, and Terre Haute. The buildings in use were constructed between 1914 and 1975; renovations are underway at some facilities, and plans exist for needed renovation and construction of other facilities. The Data Base reports that the buildings in use provide 702,983 square feet of space, and that 105,447 square feet of this space are used for undergraduate education.

The survey team visited all of the centers for medical education in addition to the Medical Center in Indianapolis. The team found excellent physical facilities at these centers with the exception of the centers at Bloomington and Gary. It is recommended that attention be given to renovating the center at Bloomington. The team commends the plans for constructing a new building at Fort Wayne, which will house classrooms, offices, laboratories, and conference rooms, and which will make possible the education of medical students there. It also commends plans for the renovation of buildings at the Northwest Center in Gary, which will allow the center to vacate its present temporary quarters. The team expresses the opinion that the University should proceed as soon as possible with the construction of the library and educational resources building at Indianapolis.

The team suspects that some of the animal quarters at Indianapolis will require upgrading before they will be accredited by the American Association for Accreditation of Laboratory Animal Care.

School Indiana University School of Medicine -4- PLANT - Y

2. * NEW BUILDINGS NOW BEING PLANNED. (Check more than one answer if applicable. If more than one building is being planned, please attach a separate set of answers for each building).

Name of Building Medical Science Building - Addition

Status of Planning

X Site selected and available for use

____ Contracts let but construction not started

____ Architect's plans complete and plans out for bid

____ Preliminary sketches complete

____ Programming of building underway

____ Programming under discussion

X Building high on priority list for new construction when funds available

____ Other (specify) _____

Funding of new buildings

____ All funds in hand or otherwise secured

____ Non-federal portion of funds available

____ A portion of non-federal funds available and matching funds being sought

____ Funds voted but not yet appropriated by state legislature

____ Fund raising underway

X Other (specify) Proposed Capital Request 1979-81 Biennium.

For building being planned, please list dollar amounts estimated.

Category	Expended	Projected
Acquisition of site		
Architect's fees		
Programmers fees	17,510 sq.ft. addition @ $1,800,000 (est.)	
Engineers and other consultants fees		

*Master Plan Development 1976-1986

Indiana University
School School of Medicine

17b

Date of Survey 4/28/77

Building Name	Year Construction Completed	Most Important Function (use code)	Estimated Cost at Time of Completion	Total Net Sqare Feet	Net Sq. Ft. Assigned Undergraduate Med. Education	% Sq. Ft. Assigned Undergraduate Med. Education	No. Beds Where Applicable
Riley Res.	1950,1953	6,7,1,2		37,939	7,588	20%	-
Rotary	1931	5,1,2	$ 172,408	31,060	3,106	10%	-
Toxicology	1970	6,7,1,2	4,500	631	32	5%	-
Univ.Hosp.	1970,1974	4,5	15,688,906 22,807,422	635,963	95,394	15%	362
MAJOR AFFILIATE HOSPITALS:							
V.A. Hosp.							
(Tenth Street)	1952		7,495,612	254,503	38,175	15%	435
(Cold Sp.Rd.)	1931		595,439	97,479			225
LaRue Carter Hosp.	1952		4,554,926	246,434	36,965	15%	225
	1953 1972		30,100 684,981				
Wishard Mem. Hosp.							
Various Bldgs.	1914-1975		N/A	702,983	105,447	15%	567

School Indiana University School of Medicine 17i PLANT - y

2. NEW BUILDINGS NOW BEING PLANNED. (Check more than one answer if applicable. If more than one building is being planned, please attach a separate set of answers for each building).

Name of Building Medical School Library

Status of Planning

____ Site selected and available for use

____ Contracts let but construction not started

____ Architect's plans complete and plans out for bid

____ Preliminary sketches complete

____ Programming of building underway

__X__ Programming under discussion

____ Building high on priority list for new construction when funds available

____ Other (specify) _____

Funding of new buildings

____ All funds in hand or otherwise secured

____ Non-federal portion of funds available

____ A portion of non-federal funds available and matching funds being sought

____ Funds voted but not yet appropriated by state legislature

____ Fund raising underway

__X__ Other (specify) Planning funds requested in 1979-81 Biennial Budget Request.

For building being planned, please list dollar amounts estimated.

Category	Expended		Projected
Acquisition of site	_____		_____
Architect's fees	_____	(Not determined)	_____
Programmers fees	_____		_____
Engineers and other consultants fees	_____		_____

Attachment 1.d.

1. University Hospital Phase IIA

Arch. Fleck, Burkhart & Shopshire
Eng. Fleck, Quebe & Reid Assoc.
Eng. Rotz Eng. Co.
Sup. Arch. Eggers & Higgins

Gen. Cont. Tousley Bixler	$9,931,804
Mech. Cont. Grenaw	5,645,959
Elect. Cont. Pearson	2,672,330

Contract date 2/1/71
Completed ?/74

2. University Hospital - Radiation Therapy & Isotope Depar ment
Coch, Fleck, Burkhart & Shopshire & Boats
Eng. " " "
Sup. Arch. Eggers & Higgins

Contract date 8/72

3. Long Hospital
   a. Remodeling Electrical Distribution
      Elect. Contractors: Long Electric Co.
      Contract date 5/73 $115,400

   b. Fire Tower Project
      Arch. /Eng.: Fleck, Burkhart, Shopshire, Boats, Reid
      Contractors: Ripberger Const. Corp.
      Contract date 11/74 $195,300

   c. Physicians Augmentation Program
      Arch./Eng.: Fleck, Burkhart, Shopshire, Boats, Reid
      Contractor: Tousley, Bixler Constr. Co.
      (Remodeling 2nd Floor)
      Contract date 6/72 $290,295

4. Nuclear Medicine & Radiology Office
   Contract date 7/76 $291,150

5. Riley Hosp. Surgery Suite Renovation-Chiller
   Date 76-77 $200,000

6. Riley Hosp. Intemsioe (one unit, supporting services, research & neo-natal surgery unit & ambulatory services, infant care 5th floor)
   $2,319,900

7. Riley Hospital Tunnel to Wilson St. Parking Garage connecting Regenstrief & Krannert Cardiology
   Tunnel portion $100,000

3.1

Building	Room Designation	Capacity	Most Characteristic Use
Clinical	#377	40	Lecture
Emerson Hall	#401	400	Lecture
Fesler Hall	Hurty A	140	Lecture
	Hurty B	120	Lecture
	Hurty C	120	Lecture
Medical Science	B26	210	Lecture
	B13	50	Lecture
	B14	50	Lecture
	B16	70	Lecture
	102	40	Laboratory
	104-112	210	Laboratory
	114-117	100	Laboratory
	205	60	Lecture
	321	40	Lecture
	309-313	136	Laboratory

In addition to the above listed rooms, there are numerous departmental conference and seminar rooms which can be scheduled for small group instruction.

School Indiana University School of Medicine -3- PLANT - V

1.e. Which buildings are now undergoing capitalized alteration (contracts let, plans completed and construction workers on site)?

Building	Scheduled Completion Date	Primary Functions (Use Code)	Cost*	Net Square Feet Renovated
Univ.Hosp.	July 1, 1977	4,5	$ 850,000	7,597 S.F.
Riley Hosp.	Oct. 1, 1977	4,5	2,319,900	23,078 S.F.

1.f. Which buildings are now under construction (contracts let, plans completed and construction workers on site)? None

Building	Scheduled Completion Date	Primary Functions (Use Code)	Cost*	Net Square Feet Renovated

1.g. Are you now using "temporary" facilities such as house trailers, rented or leased space, surge units, etc.?

Toxicology Trailer

Nature of Facility	Primary Function (Use Code)	Estimated Duration Of Use	Net Square Feet	Cost of Adaptation for Present Use
Trailer	6,7,1,2	5 yrs.	631	-

*Costs to include construction, fixed equipment, site preparation, and architects, engineers, and consultant fees.

Date of Survey: April 1, 1977

All statistics as of July 1 1976 unless current statistics specifically requested.

LCME PART VI

LIBRARY

1. Name of Librarian Laatz, Mary Jane Age 60

   Year of appointment 1957 -

   Professional degree B.S.L.S. Where obtained Case Western Reserve University

2. Year in which this library was built (year construction completed) or for DEVELOPING SCHOOLS due to be completed August 1958 (moved in)

3. Total number of professional schools the library serves 3 (plus first two-years of Dentistry)

4. Estimated expenditures for the past operating year for:

Salaries and wages (include all fringe benefits)	$ 271,463
Books, periodicals, cataloguing, and binding	$ 160,672
Supplies, equipment, and furniture	$ 21,139
Photocopying	$ 12,983
Microfilming, automation, computer	$ 16,035
Travel	$ 3,664
Other	$ 6,936
TOTAL EXPENDITURES	$ 492,892

5. Source of income during the past operating year from:

Non-federal gifts, grants, and contracts	$ 14,163
Federal grants and contracts	$ 46,739
Endowment income	$ 417
Regular operating funds	$ 430,249
Other (fees, services, etc.)	$ 1,274
TOTAL INCOME	$ 492,892

Indiana University
School School of Medicine 17h PLANT - V

2. NEW BUILDINGS NOW BEING PLANNED. (Check more than one answer if applicable. If more than one building is being planned, please attach a separate set of answers for each building).

Name of Building University Hospital - Phase IIB

Status of Planning

X Site selected and available for use

____ Contracts let but construction not started

____ Architect's plans complete and plans out for bid

____ Preliminary sketches complete

____ Programming of building underway

____ Programming under discussion

X Building high on priority list for new construction when funds available

____ Other (specify) _____

Funding of new buildings

____ All funds in hand or otherwise secured

____ Non-federal portion of funds available

____ A portion of non-federal funds available and matching funds being sought

____ Funds voted but not yet appropriated by state legislature

____ Fund raising underway

X Other (specify) Planning funds requested in 1979-81 Bienneal Budget Request.

For building being planned, please list dollar amounts estimated.

Category	Expended		Projected
Acquisition of site	_____	(Not determined)	_____
Architect's fees	_____		_____
Programmers fees	_____		_____
Engineers and other consultants fees	_____		_____

School Indiana University School of Medicine

LIBRARY - VI

11. Circulation

Total Volumes circulated outside of library: 68,675

Inter-library loan transactions:

Number loaned: 14,825

Number borrowed: 1,208

12. Services

Hours library open for students

Total weekday hours (Monday-Friday): 78 3/4

Total weekend hours (Saturday-Sunday): 23 3/4

Are the stacks open? x Yes ____ No

Are students offered formal instruction in the use of the library? ____ Yes x No

If YES, how many hours? ____

Are bibliographic services offered faculty? x Yes ____ No

Are bibliographic services offered students? x Yes ____ No

Are copying services available? x Yes ____ No

If YES, how many cents per page? 5¢ for self-serve
10¢ for mediated

13. Special Services

See attached.

14. Organization

To whom is the medical librarian directly responsible:

____ University librarian

x Medical school dean

____ Library committee

____ Other (specify) ____

(Continued)

School Indiana University School of Medicine 17j PLANT - V

Category	Expended	Projected
Landscaping and other site preparation costs		
Construction		
Fixed equipment		
Moveable equipment		
Other (specify)		

3. Space is usually thought of in terms of its allocation to departments. Please list jointly used space which is assigned by the Dean's Office, or a committee reporting to him. Examples include multi-disciplinary teaching laboratories, multidisciplinary research facilities, amphitheaters, conference rooms and seminar areas.

Building	Room Designation	Capacity	Most Characteristic Use
SEE ATTACHED 3.1			

4. Check any central or common service and indicate if these are administered by the medical school or the university. List any additional services.

Special Services or Departments	Administered by: Medical School	University
Accounting services		X
Medical photography and illustration	X	
Electronic shop (repairs)	X	
Data processing (computer center)		X
Printing, duplicating and reproduction		X

well maintained and the facilities for teaching are satisfactory. Extensive renovation is taking place at Riley. In spite of this, the hospital maintains an extraordinarily bright and cheerful atmosphere, appropriate to a pediatric facility.

Some of the fourth year clinical education is provided in community hospitals located throughout the state as well as in the hospitals in Indianapolis. It was not possible for team members to visit all of the hospitals. The ones that were visited were found to provide excellent arrangements for fourth-year training.

A major concern, discussed in more detail under the heading of the Department of Medicine is whether there is a sufficient number of patients in the Indianapolis hospitals for the educational programs of third-year students.

VI. LIBRARY

The library of the Indiana University School of Medicine includes some 109,122 volumes; 2,286 journals are subscribed to. The library has chairs for 257 readers; it occupies 14,000 square feet of space. The library is open for about 100 hours per week. No books are in storage.

The library budget for 1976 was about $493,000 of which $271,000 was used for salaries, and $161,000 for acquisitions. The library has excellent computerized bibliographic retrieval services. It services all eight centers for medical education, and serves as a central medical library resource for the entire state of Indiana.

The self study indicates that library holdings are adequate and that library staff services are of high quality, particularly in light of the limitations imposed by inadequate physical facilities. The self study states as follows:

> "because of the physical limitations we currently have a small collection and too small staff....This library ranked below the median in number of non-professional staff, one above the median in number of professional staff, and at the median in number of total staff. These rankings describe a library which serves one of the largest medical schools in the country, students, faculty, and staff of a large medical center, and seven Centers for Medical Education and has a statewide mission to extend its services and resources to Indiana hospitals and practicing health professionals."

The self study reports that the cramped conditions of the library reading room and the noise in the room make it difficult to use, and that the physical inadequacies of the library hamper the library staff in the performance of their duties. The self study reports also that additional staff is needed. However, the self study indicates that plans are being made for the construction of a new library, and that funds for its construction are being requested from the legislature. Conferences undertaken by the survey team indicate that additional space is being renovated to be used for students and that this will be available by the spring of 1978.

The survey team commends the library staff for its ability to provide effective service for faculty and students in light of the adverse conditions in which they work. It is the opinion of the team that construction of the new library building will enhance the quality of education at the School of Medicine.

VIII. RESOURCES: FACULTY AND STUDENT HOUSING; CHILD CARE

The School of Medicine does not provide housing either for students or for faculty. However, faculty and students have access to housing provided by Indiana University, and the university housing office assists both students and faculty in finding off-campus housing.

Indiana University operates a day school center for preschool children of students, faculty, and staff.

Neither faculty nor students commented unfavorably on arrangements for housing or for child care.

School Indiana University School of Medicine -2- LIBRARY - VI

6. Number of staff employed:

Full-time professional	9 (+1 Consultant who travels, +1 at Gary)
Full-time equivalent professional	0
Full-time nonprofessional	13
Full-time equivalent nonprofessional	3 1/4

7. Number of budgeted staff positions vacant:

Full-time professional staff (include FTE)	0
Full-time nonprofessional staff (include FTE)	0 (+1 at Gary)

8. Seating capacity of the following:

Conference Rooms		0
Study Carrels		22
Audio-visual Rooms		0
Other Areas	Regular	208
	Index Tables	27
TOTAL SEATING CAPACITY		257

9. Total square feet of the following:

Seating areas 4,868 Stacks 7,125

Administrative, professional, clerical and other offices and work space necessary to library operation 2,118

Storage off-campus or in other than library facility 0

Other (specify) 88 square feet (Rare books)

1,066 square feet of compact shelving which holds twice as many volumes as regular stacks.

10. Holdings

How many volumes are in the Library?	109,122
How many volumes were acquired last year?	3,705
How many volumes were withdrawn last year?	336
How many journals are currently received?	2,286
How many journals were received last year?	2,407

Indiana University
School of Medicine

22a

Date of Survey April, 1977

LCME PART IX
STUDENT ENROLLMENT

1. Enumerate the student enrollment served by your faculty:

Programs	Number Enrolled
Medical Students	1230
Dental Students	789
Nurses	1593
Physician's Assistants	24
Graduate Students	130
Pharmacy Students	3
Undergraduate Arts and Science	450
Interns	N.A.
Residents	M.D. 454 D.D.S. 20
Post doctoral Fellows	53
Basic Science	37
Clinical Science	16
Continuing Education	2758
"Fifth Pathway"	3

Programs	Number Enrolled
Allied Health (list types enrollment)	
Cytotechnology	8
Health Occupations Education	65
Hospital Dietary Technology	15
Medical Record Administration	14
Medical Technology	37
Occupational Therapy	78
Occupational Therapy Technology	40
Physical Therapy	89
Public Health	30
Radiologic Technology	175
Respiratory Therapy	16
Allied Health Educ.	56
Other:	
Health Admin. (M.H.A.)	42

VII. CLINICAL FACILITIES

Clinical training of students at the Indiana University School of Medicine is undertaken at the Indiana University Hospitals, which include University and Long Hospitals, adult facilities; and Riley Hospital, a pediatric facility; Wishard Memorial Hospital; LaRue D. Carter Memorial Hospital, which accepts patients only for psychiatric treatment; and the Veteran's Administration Hospital.

The combined hospitals contain 2,300 beds and report nearly 500,000 outpatient visits per year. The University Hospitals and the Carter Memorial Hospital are owned by the state of Indiana, Wishard Memorial Hospital by a public corporation in the county government, and the Veteran's Administration Hospital, of course, by the federal government. Affiliation agreements between the School of Medicine and Wishard and the Veteran's Administration Hospitals respectively provide that all patients are considered to be teaching patients and that appointments of medical staff responsible for teaching are approved by the School of Medicine.

The self study indicates that there is "adequate teaching material" at the School of Medicine except in the Department of Medicine where it is reported, "patients available are qualitatively excellent for teaching but quantitatively too few in each teaching hospital." (Self Study, Part VIII) To alleviate the problem, students are sent to community hospitals for part of their training. The self study indicates that clinical teaching resources are not adequate for a larger number of students, except in the urology department. The self study does not, however, recommend a reduction in the number of students. The self study indicates that arrangements for study of patients in clinical teaching settings are, overall, satisfactory, as is the faculty supervision of undergraduate students, and the quality of house staff.

The self study reports that clinical facilities, in the various teaching hospitals vary, as do their patient populations. Such variations have not been found to impede the accomplishment of clerkship objectives, but rather are believed to have broadened the spectrum of experiences available to students.

Members of the survey team visited the hospitals in Indianapolis where third-year clinical education is provided. Comments about the clinical facilities used by the various departments appear in this report under departmental headings. In overall terms the clinical facilities are adequate. The University Hospital provides excellent conference rooms for teaching purposes. The hospital is well equipped. A sampling of patient charts were reviewed and found to be in good order with detailed student notes and appropriate countersignatures.

The new wing of Wishard Memorial Hospital is an extremely well appointed municipal hospital with excellent facilities for the educational program. The old wing of the hospital is in need of renovation. Riley Hospital and the Veteran's Administration Hospital are older buildings. They are, however,

11. Selection of Medical Students

subsequent matriculation depends on continuing satisfactory academic work and subsequent compliance with all admission requirements.

Accepted students are assigned to one of eight campuses for the first year. Campus assignment is made on the basis of space availability and the students' written preferences.

C. Selection criteria are established under official faculty/university authority as established by Indiana statute. Admissions requirements are established by the Admissions Committee in consultation with the faculty. All selection criteria and requirements are published in the School of Medicine bulletin (see section B above). There are no unwritten selection criteria.

D. Requests for transfer into the sophomore and junior year are reviewed by the Student Promotions Committee. Transfer authorization is granted on the basis of space availability, residency, the student's standing and performance at the original medical school, undergraduate grade point average, Medical College Admission Test scores, and a personal interview. Students who wish to be considered for transfer into the third year must also submit National Board of Medical Examiners scores, Part I.

Students who request transfer from foreign medical schools are evaluated by the Student Promotion Committee on the basis of space availability, residency, undergraduate performance, Medical College Admissions Test scores and an interview. Students must apply through the Coordinated Transfer Application System (COTRANS) and must submit scores on the National Board of Medical Examiners test Part I.

E. Students with non-traditional credentials who might not fall within the competitive group in the normal ranking process may be nominated for "out-of-sequence consideration"; such students may include minority and/or disadvantaged individuals, students who have had unusual or extenuating circumstances which affected their academic performance, etc. All nominations are carefully reviewed by a sub-committee of the full Admissions Committee, the Executive and Review Committee. This sub-committee may or may not make a recommendation for out-of-sequence review, and the recommendation is returned to the full Admissions Committee for approval or disapproval, and a vote of acceptance or rejection.

F. The ability to finance the medical education is not one of the criteria for selection.

LCME PART VII

CLINICAL FACILITIES

School Indiana University

School of Medicine

Date of Survey

List the names of the clinical facilities used in the teaching program of the medical school. Indicate if owned or affiliated, and if it serves a major, limited, or graduate resource for the teaching program. A MAJOR clinical facility is one in which medical students serve required clerkships in one or more of the major clinical departments. A LIMITED facility provides only irregularly scheduled elective, specialty and/or outpatient clerkships. GRADUATE facilities are used for intern and/or residency training, and not significantly for undergraduate clerkships.

(Indiana University Medical Center Hospitals) Name of Hospital, Clinic, etc.	Owned	Affiliated	Major	Limited	Graduate	No. of Beds	Outpatient Visits/yr.	Used for Medical Student Clerkships: Med	Ped	Psy	Surg	Gb-Gyn	Surg Spec	Other
Indiana University		x				629	87,541	x	x	x	x	x	x	
Wishard Memorial Hospital	x	x				567	143,817(op) 60,000(er)	x	x	x	x	x	x	
LaRue D. Carter Memorial	x	x			x	225	7,068			x				
Veterans Administration	x	x	x		x	660 60 NNCU	98,893	x		x	x		x	

XI. CURRICULUM

The development of the Indiana Statewide Program of Medical Education was described in detail in the 1971 survey of the Indiana University School of Medicine. The School of Medicine has had experience in operating a dispersed program of education since at least 1959, when programs in medical sciences were offered at both Bloomington and Indianapolis. The statewide program began in 1965 with the establishment of a faculty committee of the School of Medicine charged with developing a plan for future medical education in the state. Following the recommendations of the committee, graduate medical education and continuing medical education were strengthened. In 1968, a pilot program was initiated which provided for the teaching of basic sciences to limited numbers of medical students at Notre Dame and Purdue Universities; basic science education was already being provided at the Bloomington campus as well as at the School of Medicine in Indianapolis.

At the time of the 1971 survey, basic sciences education was being offered at Indianapolis, Bloomington, South Bend (Notre Dame), Lafayette (Purdue), Muncie (Ball State), and Terre Haute (Indiana State). Since 1971, first-year basic science programs have been developed at Gary (Indiana University-Northwest Campus) and Evansville (University of Evansville). All four years of medical education are provided at Indianapolis, two years of basic science education are provided at Bloomington, and one year at the other centers. Graduate education in the sciences basic to medicine is provided at Indianapolis and Bloomington. Discussions are underway in regard to providing two years of basic education at some of the other centers than Bloomington.

Preceptorships are provided for many of the senior students by clinicians either in their offices or in community hospitals. Approximately 45% of all senior electives were provided elsewhere than at the Medical Center campus in the 1976-1977 academic year. In the Department of Family Medicine, 52 seniors took 59 units of family practice preceptorships at locations throughout the state of Indiana.

Appendix 1-7 and Appendix 4-1 to the self study are attached. The first compares the hours devoted to the basic sciences in the various centers. The second provides a brief outline of the schedule of courses in the centers with the contact hours devoted to each course.

The medical curriculum permits students to undertake their first year of medical education at one of the eight facilities. At present two of these facilities, those at Indianapolis and Bloomington, offer second-year instruction and it is planned that second-year instruction will in the future be offered in more of the regional facilities. The first year of clinical instruction is provided only at the medical center in Indianapolis; however, the fourth year may be taken at Indianapolis or at a number of community hospitals and in the offices of clinicians throughout the state. All students must complete at least one academic year in Indianapolis.

IX. STUDENTS: ADMISSIONS PROGRAM; ENROLLMENT

There are 1,230 undergraduate medical students and 130 non-medical degree graduate students enrolled in the Indiana University School of Medicine. Three hundred sixteen students are enrolled in the first-year class, 66 more than were enrolled in the first-year class in 1971. Eleven of these are repeating the first year; 305 were admitted in 1976. Of the 316 students in the present first-year class, 74 are women. All but six of the students are from Indiana, and more than half completed their undergraduate education at two institutions, Indiana and Purdue Universities. There is one foreign student. Twenty-nine students were advanced placement students, having completed three years of undergraduate studies, while ten of them held the master's degree. Of the 305 admitted in 1976, 213 were at the time of admission rated as superior students, with grade point averages of 3.6 or better; 92 were rated as good or fair. No increase in the size of the first-year class is planned. Three students were admitted into the upper classes with advanced standing in 1976; it is estimated that two such students will be admitted in the future, depending on available spaces. The present tuition is $1,050 for in-state residents, $2,200 for out-of-state residents. Modest increases in tuition are expected in 1977-1978.

The Data Base indicates that the faculty serves a total of 8,169 students. This includes 2,758 physicians engaged in continuing medical education, 474 graduate medical students, 665 allied health personnel, and 450 undergraduate liberal arts students.

Admissions procedures include provision for the review of applications submitted by students with non-traditional credentials. This group of applications includes those of members of minority or disadvantaged groups. The applications are reviewed by a subcommittee which considers the unusual or extenuating circumstances which may have affected the applicant's academic performance; the subcommittee refers the application with a recommendation as to disposition to the Admissions Committee.

The self study comments that the Admissions Committee is a very large one and that a smaller committee might operate more efficiently. The self study suggests also that there might be benefit in having one group of faculty involved in interviewing prospective students and another group making selections for admission.

The survey team met with a relatively large representation of students, including groups at all the medical education centers. Without exception the students were enthusiastic about their programs, completely satisfied with the calibre of instruction, pleased with the environment and the facilities in which their education programs are conducted, and excited about the prospect of becoming physicians.

In the view of the survey team, the admissions policies of the School of Medicine are acceptable.

There is fairly regular contact among the faculty at the centers. There are regular quarterly discipline meetings affording faculty members from all of the centers to meet with their counterparts and the discipline chairman in Indianapolis. This provides a communication forum which allows for a continuing review of curricular and research activities throughout the system. The quarterly discipline meetings are an important and effective mechanism to assure a continuing interchange of ideas by the statewide faculty. In addition faculty from one center on occasion lecture at another; in particular, faculty from Indianapolis, where there is the largest concentration, lecture at the other centers. The interchange of information that occurs in this way helps to preserve a degree of uniformity.

Because of their small number, a heavy burden falls on the faculty at the centers, for they are responsible for a much wider range of subject matter than would be the case in institutions with a larger faculty. At the centers all the instruction in a single department is undertaken by one faculty member. The heavy teaching responsibility is compensated for by the close and long-term contact with a small group of students.

Clinical education is provided only in Indianapolis. At present twelve-week clinical clerkships are offered in medicine and surgery; eight-week clerkships are provided in pediatrics; and four-week clerkships in obstetrics/gynecology, psychiatry and the neuro-sensory sciences.

A tabular summary of the junior clerkship experiences is provided in the self study and is reproduced in this report. The Third Year Subcommittee of the Education and Curriculum Committee reviews the clinical clerkship programs. Revisions are made, whenever needed, to improve the educational aspects of the clerkship experiences.

A Senior Elective Subcommittee of the Education and Curriculum Committee is responsible for fourth year clinical clerkships. This subcommittee establishes policy for clerkships; it reviews and approves proposals for elective clerkships. The subcommittee visits and evaluates preceptorship sites located outside Indianapolis. The subcommittee also reviews student evaluations of clerkships to determine whether appropriate educational objectives are being met. Details of the fourth-year program are provided in Appendix 7-1 and 7-2 of the self-study. References to the clerkships are made elsewhere in this survey report, particularly in the sections dealing with individual departments.

The survey team recommends that special studies be undertaken to determine the effect of the state-wide program on such matters as performance in residency training, career choices, completion of specialty training, board certification, etc.

The survey team believes it desirable that there be somewhat more uniformity among the centers and the Medical Center at Indianapolis in course objectives and course syllabi. The team notes that course objectives have not been developed at all centers; objectives should be developed for all courses. It is believed that the development of such objectives and the preparation of syllabi will assist in correcting some of the instructional deficiencies referred to in the self study (see page 42).

11. Selection of Medical Students

A. (1) Chairperson of Admissions Committee J. O. Ritchey, M.D.
(2) Administrative Officer(s) for admissions program
George T. Lukemeyer, M.D., Executive Associate Dean
Robert M. Stump, Jr., Assistant Director of Admissions
Vicky L. Anderson, Assistant to the Director

B. List and very briefly describe the process of selection of entering medical students beginning with receipt of the application forms (is AMCAS used?) and ending with enrollment of the class. Cite all criteria for selection, (noting major ones) including cognitive, noncognitive, personal health and other information about the applicant.

C. Are all selection criteria established by official faculty/university authority? Describe. Are all criteria published in a formal manner? How?

D. Explain any differences in selection of transfer students.

E. Are there special activities designed to facilitate enrollment of minority and/or disadvantaged students? Briefly describe.

F. Is the ability of an applicant to finance his/her medical education considered as one of the criteria for final selection? Explain.

B. The School of Medicine participates in AMCAS. Applications are reviewed for minimum credentials: a 3.2/4.0 for Indiana residents, and a 3.5/4.0 for nonresidents. Students who meet these criteria are asked to submit additional materials; those who do not meet the minimum criteria are assigned to a Committee member for review of the application to see if individual circumstances warrant further consideration by the Admissions Committee. Those who do not meet the latter criteria are sent preliminary non-acceptance letters.

Candidates asked for additional materials will be expected to submit personal and academic references, a photograph, and a report of a physical examination. These items plus the Medical College Admission Test scores and results of personal interview constitute a complete application. All Indiana residents passing the preliminary screening are interviewed; nonresidents in the Mid-West and other selected nonresidents may be invited for a personal interview, and others are given the option to submit interview notes from another medical school.

Complete applications are reviewed by the Admissions Committee, which consists of thirty full time or volunteer clinical and basic science faculty members. Students are ranked on a computer list by grade point average weighted by the Medical College Admission Test average; the Admissions Committee uses this list to order applicants for formal review. The 1976-77 School of Medicine Bulletin states that "Students are offered places in the class on the basis of scholarship, character, personality, health, and performance on the Medical College Admission Test." Any student offered an acceptance is notified that

Note: Insert copies of the two pages assigned to your school in the AAMC Curriculum Directory, along with any helpful diagrams illustrating the plan of the curriculum, such as may be printed in your school's catalog.

5. FIRST ACADEMIC PERIOD (Freshman year, typically)

Begins (give date) 6/16; ends (give date) 5/10.

Duration (in weeks) 39

Total free time (unscheduled clock hours during the normal workday and not including lunch time, expressed in average number of hours per week) 16

Elective time or number of elective weeks 33 hours/year

Total vacation (in weeks after the first day of matriculation and before the second year begins)

12 weeks

Course Title (indicate required courses with asterisk)	For Interdisciplinary Courses, give Dept. Involved	Hours of Lecture	Hours of Conference	Hours of Lab	Hours of Lab Demonstr.
* Gen[illegible]		82.5	22	77	
* Biochemistry		82.5	22	55	
* Gross Anatomy		55		132	
* Histology		33		66	
* Behavioral Science		33			
* Physiology		77	22	55	
* Neurobiology		55	22	22	
* Introduction to Medicine	Med., OB/GYN, Fam. Pr., Psy., Micro., Physiology				33

Total Hours for Period: 946

X. STUDENTS: ACADEMIC AFFAIRS, COUNSELING AND FINANCIAL AIDS

The Data Base indicates that 22 students withdrew or were dismissed during the 1975-1976 year. Of these, six withdrew because of poor academic standing. The Data Base indicates that all six of these students had received academic counseling aimed at remedying their scholastic deficiencies.

Counseling is available to students, including a recently organized program of peer counseling. The provisions for counseling are described in the student handbook; in addition the Office of Student Affairs assists students in gaining counsel in both academic and personal matters. A conscientious effort is made to identify counseling needs early, and students are encouraged to seek assistance immediately. During their third year students choose faculty advisors who assist in the selection of a major, in applying for appointment to programs of graduate medical education, and in career choices.

The grading system is explained to students in the student handbook. Students have complete access to their records, including access to comments made by faculty.

Survey team interviews with students indicated that students were satisfied with the administration of the school. There were complaints about the dearth of orientation information in regard to such matters as access to the health care system and about the bureaucratic hurdles to obtaining financial aid.

The view of the survey team is that counseling and student academic affairs are administered at the School of Medicine in a satisfactory way. Conferences indicate, however, that the counseling services are understaffed for a school the size of Indiana; that, probably for this reason, outreach is limited and counseling services may not be provided at an optimal level.

7. THIRD ACADEMIC PERIOD (Junior year, typically)

Begins (give date) 5/10; ends (give date) 4/25.

Duration (in weeks) 48 (4 weeks vacation)

Number of elective weeks 0

Course Title (indicate required courses with asterisk)	For Interdisciplinary Courses, give Dept. Involved	Hours of Lecture	Hours of Conference	Hours of Lab	Hours of Lab Demonstr.

Clinical Clerkships	Number of Weeks	Hospital Used by School for this Clerkship
*Medicine	12	University; VA; Wishard
*Surgery	12	University; VA; Wishard; St. Vincents; Methodist
*Psychiatry	4	Center; Wishard; VA Cold Springs
*Obstetrics and Gynecology	4	University; Wishard
*Pediatrics In Patient	4	Riley; Wishard
*Pediatrics Out Patient	4	Riley; Wishard
*Neurosurgery (EXT)	4 (2 weeks)	University; VA; Wishard

The first and second year instructional programs last for the nine-month academic year. Clinical programs, however, are offered throughout the calendar year, an arrangement directed toward integrating students completely into hospital medical care programs.

Throughout the curriculum students are provided with opportunities for electives which are geared to a student's background, experience, and demonstrated abilities. Independent study, supervised individual experiences, seminars, small group discussions, and exposure to guest lectures are part of the program. While opportunity for extensive electives abound, emphasis is also placed on "core curriculum material" both in clinical and preclinical years. The curriculum can be diagrammed as follows:

Current Curriculum

<table>
<tr><th></th><th>June</th><th>July</th><th>Aug.</th><th>Sept.</th><th>Oct.</th><th>Nov.</th><th>Dec.</th><th>Jan.</th><th>Feb.</th><th>Mar.</th><th>Apr.</th><th>May</th></tr>
<tr><td>Freshman</td><td colspan="2"></td><td colspan="2">Biochemistry
Microbiology</td><td colspan="2">Gross Anatomy
Histology</td><td colspan="3">Physiology
Neurobiology
Clinical Medicine I</td></tr>
<tr><td>Sophomore</td><td colspan="2"></td><td colspan="3">Pharmacology
General Pathology
Medical Genetics</td><td colspan="6">Introduction to Medicine and Physical Diagnosis
Systemic Pathology</td></tr>
<tr><td>Junior</td><td>1 month Vacation</td><td>1 month Neuro-Sensory</td><td colspan="3">4 months
Pediatrics, Obstetrics-Gynecology, Psychiatry</td><td colspan="2">3 months
Medicine</td><td colspan="3">3 months
Surgery</td></tr>
<tr><td>Senior</td><td colspan="11">9 months Electives</td></tr>
</table>

A student may complete requirements for the A.B. and the M.D. degrees in seven years through a combined program offered by the School of Medicine and the College of Arts and Sciences at Indiana University.

With basic education being undertaken at eight different locations, variety in the organization of courses and to a limited extent in the content of the courses is to be expected. Control over the variety is exercised in several ways. First of all, students are required to take the examinations of the National Board of Medical Examiners and the scores are reviewed to determine whether there are significant differences among the scores earned by students at the various centers. Information provided in the self study indicates that overall scores on all subjects were not found to vary widely among the centers; however, there were somewhat wider variations on scores for individual subjects at the various centers. This has led to a review of the instruction provided in those particular courses.

The Education and Curriculum Committee and its subcommittees monitor the curriculum to eliminate needless repetition of subject matter and to make certain that subject matter is adequately covered. The committee is considering at present, for instance, whether adequate coverage is provided in the field of public health and preventive medicine, a subject which is not taught as a separate course at any of the centers. The committee has also reviewed instruction in the behavioral sciences at the Bloomington center, where this field is not taught separately, but is incorporated into other subjects. This review revealed that students at Bloomington had mean scores in the behavioral sciences section of the National Board examinations slightly above the averages on other campuses.

XII. CONTINUING MEDICAL EDUCATION

The Division of Postgraduate Medical Education was established in 1957 under the directorship of Dr. Donald W. Close. The Division is at present headed by John F. Phillips, M.D., Associate Professor of Medicine. The Division had a total budget of $1,649,238 during 1976-1977, and offered courses that involved 47% of the physicians practicing medicine in Indiana. Included in the budget was $174,850 for 38 formal short courses.

The Division provides education not only through lectures and demonstrations, but also through home-study educational materials and particularly through educational television. At present medical television programs reach 33 hospitals. The Division also arranges for School of Medicine faculty to visit community hospitals in the state and provide continuing medical education. In 1975-1976, 86 such visits were made to 14 hospitals.

The Division makes use of the Statewide Medical Education System in providing continuing medical education courses to the various regions of the state. The Division is giving consideration to formalizing arrangements for physicians to return to medical school for periods of study, to arranging a "circuit" course of lectures, and to offering biweekly review courses directly to medical audiences and indirectly through television and videotape.

The survey team was impressed with the scope, variety and extensiveness of the continuing medical education program offered by the Indiana University School of Medicine. The program is truly innovative, not only in its choice of subject matter, but in its use of new methodologies, particularly in regard to the development of audio-visual and videotape programs. In the opinion of the team, the quality of medical care provided in Indiana benefits from the impact of this outstanding effort.

The undergraduate medical education program at the Indiana University School of Medicine is satisfactory. The School of Medicine is successful in providing coherence to the program. The team recommends that careful consideration be given in each instance to extending the education offered at the centers to a second year. Second-year programs should be offered only after requirements for resources, programs, personnel and the arrangements for exposure to patients for clinical correlations have been given meticulous review and found to be adequate.

XIV. GRADUATE MEDICAL EDUCATION

The Data Base indicates that there are 484 residency positions approved at the Medical Center. Of these, 124 are first-year resident positions. Thirty-four postions in all years are occupied by foreign medical graduates. The largest number of residents and fellows are in the departments of medicine (122), surgery (55), and pediatrics (54). It is probable that the number of family medicine residents (15), is underreported, since many of these are located at hospitals with secondary affiliations with the School of Medicine. See the table "Indiana Program for Statewide Medical Education Intern-Residency Program 1977-78" following this page.

The self study reports that more than half the residency positions are occupied by Indiana University graduates. There are at present more graduates each year from the Indiana University School of Medicine than there are first-year residency positions in major affiliated hospitals; however, the total number of positions available in all programs statewide approximates the yearly number of graduates.

The Data Base indicates that no residency programs are on probation, and that there are no plans substantially to expand or reduce the size of any programs.

The self study reports that the School of Medicine, through the Curriculum and Education Committee, has begun a study of the programs of graduate medical education. Information available to the committee at this early stage of its investigations suggests that with one exception there have not been major changes in the size of the programs. The exception is the number of residents in the Department of Neurosurgery which have been reduced by nearly 20%. There has been a slight increase in the number of residents in internal medicine and in general surgery. The increases in surgery are related to the lengthening of the surgery training period from four to five years.

According to the self study, there has been no major difficulty in maintaining stipend levels for residents at the national average, and such difficulties are not expected in the future.

The self study concludes that information at hand suggests that there is no need for change in programs of graduate medical education. The survey team does not disagree with this conclusion.

6. SECOND ACADEMIC PERIOD (Sophomore year, typically)

Begins (give date) [illegible]; ends (give date) 5/6.

Duration (in weeks) [illegible]

Total free time (unscheduled clock hours during the normal workday and not including lunch time, expressed in average number of hours per week) 10

Elective time or number of elective weeks 0

Is the summer after the second academic period scheduled for work required for the M.D. degree -- either on or off the medical center campus? X Yes ____ No

Course Title (indicate required courses with asterisk)	For interdisciplinary Courses, give Dept. Involved	Hours of Lecture	Hours of Conference	Hours of Lab	Hours of Lab Demonstr.
* Pathology, General		33	33	66	
* Pharmacology		58	33	27.5	
* Clinical Medicine		33	11		
* Introduction to Medicine II	Psych; Medicine; Family Practice			22	
* Systemic Pathology					
* Introduction to Medicine II	Medicine; Neurology; Pediatrics; E.E.T;	33	33		77
	Ophthalmology; Otolaryngology; Surgery; Orthopedics;				
	Pathology; Radiology				

Total Hours for Period: 104.5

XV. BASIC SCIENCE DEPARTMENTS

The Indiana University School of Medicine includes 14 basic science units. Seven of these are located on the Indianapolis Medical Center Campus; they are the Departments of Anatomy, Biochemistry, Microbiology, Pathology, Pharmacology (including Toxicology), and Physiology, and the Laboratory for Experimental Oncology. The other seven units are the Medical Sciences Program at Indiana University in Bloomington, and the Medical Education Centers at Lafayette, South Bend, Muncie, Terre Haute, Evansville, and Gary (Northwest).

The relationships of the centers to the School of Medicine is described in the following paragraph taken from the self study (p. 36):

> Each of the six basic science departments at the Indianapolis Campus is under the leadership of a chairman who reports directly to the Dean. Each of the seven units separated geographically from the hub of the system in Indianapolis is recognized as an academic unit of both I.U. School of Medicine and the participating host university. The program at each campus is under the direction of a director who is a full time member of the faculty of the Indiana University School of Medicine. The director reports directly to the Dean of the School of Medicine. The director also holds faculty and administrative appointments at the host university. Interaction is fostered between the departments in Indianapolis and their counterpart faculty members of each discipline at the Centers and also bi-directionally among the Centers. Systemwide coordination is further effected by regular meetings of the faculty members responsible for each course offering and by regular meetings of the directors.

Of the $6,007,567 budgeted by the University for the basic sciences, 62.7% is provided from university funds. The self study indicates that there is some variation in relative expenditures by the University among units. No explanation is provided for the variation, nor is it suggested that the variation has an adverse effect on the quality of instruction.

The self study evaluates the quality of teaching activity in each of the basic science departments (see pages 41 and 42). The comments indicate that a careful review of the programs was made as a basis for the evaluation; the comments reveal an institutional concern for excellence in teaching. Survey team comments are provided in the individual department sections of this report. Overall, the quality of teaching is very high.

8. FOURTH ACADEMIC PERIOD (Senior year, typically)

Begins (give date) 5/1; ends (give date) 4/30.

Duration (in weeks) 36

How many months of elective time are allowed? 9 required (optional up to 12 months)

Are students urged to concentrate or elect tracks? Individualized - No

Describe the educational experience available to students in the final period of study, after the required clinical clerkships have been completed:

Approximately 490 electives are offered. With the supervision and guidance of a faculty advisor, the student selects an appropriate 4th year program. Departments suggest guidelines for students interested in specific disciplines. Fifty percent of the electives are taken on campus. Thirty-thirty-five percent are taken in hospitals in Indianapolis (Marion County). Fifteen percent are taken elsewhere in the State of Indiana or out of the state. All electives have been approved by appropriate departments in the school, by the Education Committee and by the Dean's Office.

XV. DATA BASE; Basic Science Departments

Department Anatomy — Date of Survey April 1, '77

Chairman Charles E. Blevins — Year of Birth 1924

Yr. Appointed Chairman 1973 — Yr. Appointed to Faculty 1973

Source(s) of terminal degree(s) University of California, San Francisco Med. Center

Prior academic positions, years Undergraduate College teaching (10) University Washington (4) Baylor Univ. College (2) Northwestern University Medical School (6

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	6	6		
Asso. Prof.	5	5		
Asst. Prof.	2			
Instructor				
Others				

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & Labs	17	5504
Classrms. & Conf. Rms		5862
Research Labs		2893
Other		640
		1968
TOTAL		16867

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 49,500.00	65,190.00
2. Unrestricted grants & gifts	1,850.00	1,850.00
3. Other		
Subtotal	$ 51,350.00	67,040.00
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$ 600.00	600.00
Subtotal (income)	$ 600.00	600.00
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 366,625.00	379,443.00
2. Supplies & equipment	25,000.00	25,000.00
3. Research support	3,200.00	4,000.00
4. State Anatomical Board	29,000.00	29,000.00
Subtotal	$ 423,825.00	437,443.00
TOTAL FUNDS	$ 475,775.00	505,083.00

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

XIII. GRADUATE EDUCATION IN THE SCIENCES BASIC TO MEDICINE

The primary objective of graduate programs in the basic sciences at the School of Medicine is to educate persons for academic positions. In 1976-1977, there were 197 graduate students, the largest number, 46, enrolled in medical genetics. Over the past five years, 98 master of science degrees and 118 Ph.D. degrees have been awarded.

The material from the self study in regard to graduate education in the basic sciences is reproduced below in its entirety. It indicates that the major problem in the program is funding. Major strengths are dedicated faculty and opportunities for training and research.

> The primary objective of the graduate programs is to educate individuals so that they may qualify for academic positions. Thus they must have a broad knowledge in their discipline, be effective teachers and capable of independent research.
>
> In general, the overall strengths of the graduate program are as follows: 1) faculty members who believe in the importance of graduate education as an integral part of a medical school environment, 2) opportunity for students to work directly with established investigators in a wide range of biomedical disciplines, 3) ample research facilities except for some space problems, 4) opportunities for training in teaching, 5) a wide spectrum of course work available to give the student a broad scientific background, and 6) the large number of graduates accepted into highly competitive positions.
>
> In general, weaknesses relate to funding and the ability to provide space and equipment in specific areas. The weaknesses are identified as follows: 1) lack of financial support to obtain the most qualified applicants nationally, 2) inadequate research space in some departments, and 3) student research expenses too dependent on ongoing research grants.

XV. DATA BASE: Basic Science Departments

Department: Biochemistry — Date of Survey: 4/15/77

Chairman: David M. Gibson — Year of Birth: 8/7/23

Yr. Appointed Chairman: 1967 — Yr. Appointed to Faculty: 1958

Source(s) of terminal degree(s): Harvard (M.D., 1948)

Prior academic positions, years: Indiana University: Assoc. Prof. 1958-1961; Prof. 1961; G. M. Showalter Prof. 1975- ; Univ. of Wisconsin: Asst. Prof. 1955-1958

Faculty:	Full Time	Number Tenured	Part Time	Vol.
Professor	7	7		4
Asso. Prof.	5	5	1	3
Asst. Prof.	2	2		5
Instructor				1
Others				

Dept. Space Assigned:	No.	Sq. Ft.
Faculty Offices	21	2,443
Class & Conf. Rms.	1	350
Research Labs	29	11,236
Other	14	4,012
TOTAL	65	18,341

Budget Funds Available to Department:

	1976-77	Estimates for 1977-78
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 299,780	$ 310,500
2. Unrestricted grants & gifts	149,439	140,000
3. Other .	2,021	2,000
Subtotal	$ 451,240	$ 452,500
B. FACULTY GENERATED FUNDS: (Income from academic or clinical services* provided by departmental members) indicate sources	$ 1,200	-0-
Subtotal (income)	$ 1,200	-0-
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc., incl. F.B. * Ret.)	$ 536,348	$ 560,500
2. Supplies & equipment	20,916	22,000
3. Research support	2,112	-0-
Subtotal	$ 559,376	$ 582,500
TOTAL FUNDS	$1,011,816	$1,035,000

* If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

INDIANA PROGRAM FOR STATEWIDE MEDICAL EDUCATION

INTERN-RESIDENCY PROGRAM

1977-78

ALL HOSPITALS PARTICIPATING IN:
INTERN-RESIDENCY PROGRAM &
FAMILY PRACTICE RESIDENCY PROGRAM

NAME OF HOSPITAL

	LEVEL OF POST GRADUATE TRAINING											
TYPE OR SPECIALTY	FIRST YEAR (G1) AVAILABLE	FILLED	SECOND YEAR (G2) AVAILABLE	FILLED	THIRD YEAR (G3) AVAILABLE	FILLED	FOURTH YEAR (G4) AVAILABLE	FILLED	FIFTH OR MORE (G5, G6, etc.) AVAILABLE	FILLED	TOTAL AVAILABLE	FILLED
MEDICINE	51	51	49	48	42	38	29	29	19	19	190	185
PEDIATRICS	22	20	19	17	16	15	7	6	3	3	67	61
OB/GYN	14	14	13	13	11	11	13	13	--	--	51	51
FAM PRACTICE	79	64	75	65	69	46	--	--	--	--	223	175
SUB TOTAL	166	149	156	143	138	110	49	48	22	22	531	472
FLEXIBLE	33	32	--	--	--	--	--	--	--	--	33	32
ANESTHESIOLOGY	13	13	14	14	16	16	3	3	7	7	53	53
DERMATOLOGY	1	1	2	2	2	2	--	--	--	--	5	5
NEUROLOGY	--	--	6	6	4	4	5	5	1	1	16	16
OPHTHALMOLOGY	--	--	7	7	7	7	7	7	--	--	21	21
ORTHO SURG	7	5	8	10	7	7	8	8	2	2	32	32
OTOLARYNGOLOGY	--	--	--	--	4	4	4	4	4	4	12	12
PATHOLOGY	13	15	12	8	10	7	11	7	7	7	58	44
PSYCHIATRY	8	8	7	7	11	11	4	4	3	3	33	33
RADIOLOGY	12	12	12	13	9	8	8	7	--	--	41	40
RAD ONCOLOGY	2	2	2	2	2	2	1	1	--	--	7	7
SURGERY	27	27	22	22	11	10	9	9	15	12	84	80
UROLOGY	--	--	--	--	6	6	5	5	4	4	15	15
SUB TOTAL	121	115	92	91	89	84	65	60	43	40	410	390
TOTALS	287	264	248	234	227	194	114	108	65	62	941	862

Department of Biochemistry

The survey team met with David M. Gibson, M.D., Chairman of the Biochemistry Department. The department has 14 full-time staff and a budget of $1,011,816 of which $451,240 comes from non-university sources. The Data Base information indicates that 35% of the department effort is devoted to teaching and 50% to research. The Department is responsible for the education of 165 medical students and 207 graduate and dental students. The self study reports that teaching in biochemistry is variable; of a very high order at Indianapolis, Bloomington, Lafayette, and Gary, but in need of improvement at South Bend and Terre Haute.

Doctor Gibson reported that the majority of the students do not have difficulty with biochemistry; about 10% do. Students with problems are assigned to tutors and required to attend review sessions. In most instances the problems stem from inadequate preparation in chemistry.

Doctor Gibson described the Biochemistry Department as the "mother department" to biochemistry instruction in the centers; however, there is no attempt to institute a uniform curriculum or uniform educational policies. State-wide meetings are provided for. Should the need occur, steps could be taken to improve the quality of teaching in the centers.

Doctor Gibson reports that there are close relationships between the Departments of Microbiology, Physiology, and Biochemistry which have made it possible to reduce duplication of teaching effort.

SCHOOL Indiana University DATE OF SURVEY

BASIC SCIENCE DEPARTMENTS

Department/	Full-time Faculty	M.S. Students	Ph.D. Students	Fellows	Operating Budget	Sponsored Funds	%Faculty Time Teaching Undergraduate Med. Ed.
1. Anatomy	13	2	11		423825	51,350	50
2. Biochemistry	14	8	16	7	559376	451,240	35
3. Microbiology	15	6	13	3	542769	480,050	25
4. Pathology	15	1	2		678676	151,115	20
5. Pharmacology	15	4	16		423009	378,681	30
6. Physiology	13	6	10	3	486926	492,450	30
7. Medical Science Program	24	6	27		821383	765,218	35
8. Evansville Center	6				325044	100,253	46
9. Lafayette Center			NA	NA	407660	NA	50
10. Muncie Center	7	5	2		288998	57,492	47
11. Northwest Center (Gary)	9		1		380480	97,000	40
12. South Bend Center	(4) (4)	3	2		291183	28,700	50
13. Terre Haute Center	8	3	3		346961	124,478	53

XV. DATA BASE; Basic Science Departments

Department Microbiology — Date of Survey April 13, 1977

Chairman William D. Sawyer, M.D. — Year of Birth 1929

Yr. Appointed Chairman 1973 — Yr. Appointed to Faculty 1973

Source(s) of terminal degree(s) Washington University

Prior academic positions, years Staff, The Rockefeller Foundation assigned as Prof. and Chairman of Microbiology, Mahidol University, Bangkok (6 yrs); Assistant Prof. of Microbiology, The Johns Hopkins Univ. School of Medicine (3 yr

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	8*	8		
Asso. Prof.	2**	2		1
Asst. Prof.	6	1		
Instructor				
Others				

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & Labs	16	1,618
Classrms. & Conf. Rms	1	216
Research Labs	22	7,820
Other	3	3,735
TOTAL	42	13,389

*Includes Levine (THCME)

**Includes Miller (Dental School)

Budget Funds Available to Department:

	1976-77	Estimates for Current Year 1977-78
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 479,050	197,576*
2. Unrestricted grants & gifts	1,000	1,000
3. Other		
Subtotal	$ 480,050	198,576
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 450,990	458,030
2. Supplies & equipment	30,023	30,023
3. Research support	61,756	45,475*
Subtotal	$ 542,769	533,528
TOTAL FUNDS	$ 1,022,819	732,104

*Includes no grants pending a funding decision.

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Anatomy

The survey team met with Charles E. Blevins, Ph.D., Chairman of the Anatomy Department. The Anatomy Department has 14 full-time faculty members and a budget of $475,775 of which $51,350 is provided from non-university sources. About 50% of faculty time is devoted to teaching undergraduate medical students; the department is responsible for 160 medical students and for 288 graduate, dental, and allied health students. Instruction in anatomy is reported in the self study to be "between good and excellent." Staff in anatomy at Indianapolis and Bloomington were selected by students as outstanding faculty.

Doctor Blevins stated that a major objective of the department is to demonstrate the relevance of anatomy to the practice of medicine. He expressed gratification at the recent improvement in National Board scores by students at Indiana, particularly by students in the medical education centers. The improvement in scores, he feels, is an indication of success in teaching.

Doctor Blevins reported that he feels responsible for the curriculum in the medical centers; however, the centers work out their own objectives and select their own textbooks. He meets with the faculty from the centers to discuss the organization of the courses and any problems that arise.

Doctor Blevins reported some difficulty in recruiting staff because faculty salaries are not competitive with those at other major medical schools.

Department of Microbiology

The survey team met with William D. Sawyer, M.D., Chairman of the Department of Microbiology. The department has 16 full-time faculty members, and a budget of $1,022,819 which includes $480,050 from non-university sources. The department estimates that 28% of its time is devoted to teaching and 60% to research. The department is responsible for teaching 173 medical students, and 588 dental, nursing, graduate, and graduate medical students.

The self study indicates that teaching standards at Indianapolis and at the medical education centers in Bloomington, Terre Haute, and Evansville are excellent. Standards are good at the other centers, with the exception of Muncie where the teaching is poor and requires improvement.

The conference with Dr. Sawyer revealed his genuine interest in developing the teaching skills of medical faculty. The department has developed tutorial booklets to assist new faculty, and plans to implement a proposed faculty development program in teaching when funds are available. The team looks with favor upon these efforts and also upon the departmental examinations which are intended to be clinically-oriented problem-solving exercises.

As did other departmental chairmen, Dr. Sawyer observed that non-competitive salaries make it difficult to attract and hold faculty. Doctor Sawyer was, however, pleased with the fringe benefits provided by the School of Medicine.

Total Teaching Activities of the Dept.:

		Number of students per academic year
A. Medical Students		
Required Subjects		162
Elective Subjects		3
B. Dental Students		130
C. Pharmacy Students		0
D. Nursing Students	One course	1
E. Allied Health Students		3
F. Arts & Science Students		5
G. Masters Degree Students		13 (8 Biochemistry)
H. Ph.D. Degree Students		33 (16 Biochemistry)
I. Post Doctoral Fellows		7
J. Other: Non-degree graduate students		15 (non-Biochemistry)

Percent of Faculty Effort in:

Teaching:	
Undergraduates (pre-Baccalaureate)	1
Other students (Professional & Graduate)	35
Research	50
Service	5
Administration (including committees)	9
TOTAL	100%

Estimate the percent of medical students who have chosen your field as a career during the past five years. Unknown

Total Teaching Activities of the Dept.:

	Number of students per academic year
A. Medical Students Required Subjects	268
Elective Subjects	26
B. Dental Students	127
C. Pharmacy Students	0
D. Nursing Students	0
E. Allied Health Students	82
F. Arts & Science Students	0
G. Masters Degree Students	1
H. Ph.D. Degree Students	2
I. Post Doctoral Fellows	0
J. Other Cytotechnology stud.	8
Grad. stud. enrolled in dental students course	2
Pathology Residents	12

Percent of Faculty Effort in:

Teaching Undergraduates	20
Other students	20
Research	20
Service	30
Administration (including committees)	10
TOTAL	100%

Estimate the percent of medical students who have chosen your field as a career during the past five years. 4 to 5%

XV. DATA BASE; Basic Science Departments

Department Pharmacology Date of Survey

Chairman # James Ashmore, Ph.D. Year of Birth 1926

Henry Besch, Ph.D. Chairman (Effective 7/1/77)

Yr. Appointed Chairman 1960 Yr. Appointed to Faculty 1952

Source(s) of terminal degree(s) Ph.D. St. Louis University

Prior academic positions, years Asst. Prof. Harvard Med. School (1957-57);
Assoc. Prof. (Ind. Univ. Sch. of Med. 1959-60)

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	6	6	2	2
Asso. Prof.	2			2
Asst. Prof.	6			7
Instructor				
Others				

Dept. Space Assigned:

	No.	Sq. Ft.
Teaching Labs.	5	12,000
Faculty Office & Labs	11	1,000
Classrms. & Conf. Rms	2	500
Research Labs	11	5,000
Other		
TOTAL	29	18,500

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 167,900	163,000
2. Unrestricted grants & gifts	20,481	12,000
3. Other		
Subtotal	$ 188,381	175,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources Donations, Laboratory Services	$ 3,160	1,000
Subtotal (income)	$ 3,160	1,000
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 338,426	388,000
2. Supplies & equipment	21,974	25,000
3. Research support		
Subtotal	$ 360,300	413,000
	$ 551,841	589,000

NOTE: TOTAL DOES NOT INCLUDE TOXICOLOGY, ONCOLOGY, DRS. BESCH AND WILLIS SUPPORT REPORTED WITH THE DEPT. OF MEDICINE. TOTAL FUNDS

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Total Teaching Activities of the Dept.:

	Number of students per academic year
A. Medical Students Required Subjects	165
Elective Subjects	8
B. Dental Students	125
C. Pharmacy Students	
D. Nursing Students	380
E. Allied Health Students	60
F. Arts & Science Students	
G. Masters Degree Students	5
H. Ph.D. Degree Students	15
I. Post Doctoral Fellows	3
J. Other	

Percent of Faculty Effort in:

Teaching Undergraduates (Professional)	25
Other students	3
Research	60
Service	2
Administration (including committees)	10
TOTAL	100%

Estimate the percent of medical students who have chosen your field as a career during the past five years. 0

Department of Pharmacology

The survey team met with H. R. Besch, Ph.D., recently appointed Chairman of the Pharmacology Department. The department has 14 full-time staff members, and a budget of $551,841 of which $188,381 is provided from non-university sources. The department estimates that 50% of its time is devoted to teaching and 40% to research. The department is responsible for teaching 270 medical students and 364 dental, nursing, and graduate students.

Courses in pharmacology are offered only at Indianapolis and Bloomington. The self study reports that the quality of instruction at both Indianapolis and Bloomington is good or very good.

Doctor Besch reported that his department has 94 contact hours with medical students, an amount considerably above the national average. In spite of the relatively extensive contact hours of teaching, Doctor Besch did not feel that the teaching load is excessive.

Doctor Besch reports involvement in a number of inter-departmental activities. In particular, he has been instrumental in arranging joint meetings between his faculty and the Pharmacology Department at Bloomington.

XV. DATA BASE; Basic Science Departments

Department Anatomic Pathology — Date of Survey April, 1977

Chairman Joshua L. Edwards, M.D. — Year of Birth 1918

Yr. Appointed Chairman 1969 — Yr. Appointed to Faculty 1966

Source(s) of terminal degree(s) Tulane Univ. School of Medicine, 1943

Prior academic positions, years Teaching Fellow, Harvard Med. School, 1950-51
Instructor and Associate, Duke Univ. Sch. of Me
1951-53; Asst. Prof., Rockefeller Inst. for Med. Research, 1953-55; Prof. and
Chairman, Dept. Path., Univ. of Florida College of Med., 1955-1966

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	5	4	0	4
Asso. Prof.	4	3	0	4
Asst. Prof.	5	0	0	14
Instructor	1	0	0	1
Others				

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & Labs	16	4259
Classrms. & Conf. Rms	10	3499
Research Labs	6	4855
Other (service areas, adm., storage)	32	9217
TOTAL	64	21,830

Budget Funds Available to Department:

	1976-77	Estimates for Current Year (1977-
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 151,115	63,000
2. Unrestricted grants & gifts	0	0
3. Other		
Subtotal	$ 151,115	63,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources Univ. Hosp. Consultation & services outside Univ. Hosp.	$ 155,000	165,000
Subtotal (income)	$ 155,000	165,000
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 625,671	639,778
2. Supplies & equipment	43,905	45,661
3. Research support	9,100	0
Subtotal	$ 678,676	685,439
TOTAL FUNDS	$ 984,791	913,439

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Total Teaching Activities of the Dept.:

	Number of students per academic year
A. Medical Students Required Subjects	149
Elective Subjects	5
B. Dental Students	132
C. Pharmacy Students	
D. Nursing Students	
E. Allied Health Students	45
F. Arts & Science Students	
G. Masters Degree Students	6
H. Ph.D. Degree Students	10
I. Post Doctoral Fellows	3
J. Other Grad Students taking Medical Physiology (1976-77)	23

Percent of Faculty Effort in:

Teaching Undergraduates	30
Other students (Grad)	13
Research	39
Service	4
Administration (including committees)	14
TOTAL	100%

Estimate the percent of medical students who have chosen your field as a career during the past five years. None

Department of Pathology

The survey team met with Joshua Edwards, M.D., Chairman of the Department of Pathology. The department has 15 full-time faculty members, and a budget of $984,791 of which $151,115 is provided from non-university funds. The department estimates that 40% of its time is devoted to teaching and 30% to service activities. The department is responsible for teaching 294 medical students and 234 dental, allied health, graduate, and graduate medical students. Pathology is offered at Indianapolis and at Bloomington, but not at the other medical education centers.

The self study indicates that the program of instruction in pathology at Bloomington is sound but that in Indianapolis, although there has been an improvement in quality recently, there is "still room for more improvement." Doctor Edwards commented that there is an inadequate number of pathologists for the teaching load. Only eight of the 15 faculty are available for teaching. The department makes use of a number of part-time faculty for teaching.

About seven years ago, the Pathology Department was split into two departments, Anatomic Pathology and Clinical Pathology. The two departments cooperate in providing undergraduate education and in supervising the residency program in pathology. (The report for the Department of Clinical Pathology is included in the section dealing with clinical departments.)

The Pathology Department has entered into a practice plan at University Hospital through which funds are generated for salary supplements and for faculty development. The practice plan makes salaries for pathologists somewhat more competitive than they would be otherwise.

XV. DATA BASE: Basic Science Departments

Department Medical Sciences Program — Date of Survey April 1977

Director Ward W. Moore — Year of Birth 1924

Yr. Appointed Chairman 1976 — Yr. Appointed to Faculty 1955

Source(s) of terminal degree(s) University of Illinois

Prior academic positions, years Asst. thru Prof. 1955 - Present Chairman, Dept. Physiology, Mahidol Univ. 1968-71, Acting Chairman - Dept. of Anat., IUMC, 1971-73, Assoc. Dean, IUMC, 1971 - Present

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	11	11	2	2
Asso. Prof.	3	3	1	1
Asst. Prof.	8	0	10	10
Instructor	2	0	0	3
Others				

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & Labs	23	14,368
Classrms. & Conf. Rms	10	10,156
Research Labs	12	7,815
Other	15	10,413
TOTAL		42,752

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 758,873	Same
2. Unrestricted grants & gifts	6,345	Same
3. Other	- - -	- - -
Subtotal	$ 765,218	Same
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
	N.A.	N.A.
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 663,107	693,000
2. Supplies & equipment	39,618	43,000
3. Research support	74,316	75,000
Subtotal	$ 777,041	811,000
TOTAL FUNDS	$1542,259	1576,218

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Total Teaching Activities of the Dept.:

	Number of students per academic year
A. Medical Students Required Subjects	270
Elective Subjects	
B. Dental Students	125
C. Pharmacy Students	
D. Nursing Students	230
E. Allied Health Students	
F. Arts & Science Students	
G. Masters Degree Students	2
H. Ph.D. Degree Students	7
I. Post Doctoral Fellows	
J. Other	

Percent of Faculty Effort in:

Teaching Undergraduates	30
Other students	20
Research	40
Service	5
Administration (including committees)	5
TOTAL	100%

Estimate the percent of medical students who have chosen your field as a career during the past five years. 0

XVI. MEDICAL SCIENCES PROGRAMS

Bloomington

The Medical Sciences Program is one of the regional endeavors of the Indiana University School of Medicine located on the Bloomington campus. It is housed in Meyers Hall where it occupies about 43,000 net square feet of faculty office, laboratory, classroom, conference room, and research laboratory space. The director of the program, Dr. W. W. Moore, is also an Associate Dean of the entire School of Medicine. The program offers the first two years of the medical curriculum and, in addition, combined M.D./Ph.D. programs; it also conducts education programs in nursing, allied health, and undergraduate and graduate biological sciences.

The Medical Sciences Program has 24 full-time faculty members, and a budget of $1,542,259, including $765,218 in non-university funds. Some 30 students are enrolled in the first-year class and 24 in the second. In addition, the faculty is responsible for 100 dental students, 1,850 allied health students, 125 graduate students, and 72 optometry students. It is estimated that the faculty spends 45% of its time teaching and 34% in research activities.

The faculty at Bloomington is distributed over the usual age span, unlike the faculty at the other medical education centers, who tend to be younger than average. The faculty includes a significant number of senior scholars with established reputations. The Medical Sciences Program has just over three-quarters of a million dollars for sponsored projects, which is an indication of the magnitude of its research effort. This program places strong emphasis on graduate training and prepares students for the Ph.D. degree.

The members of the survey team met with about half the students, including candidates for the M.D./Ph.D. degrees. The students were forthright, open, and articulate; they seemed to have a somewhat broader range of interests -- including interest in research -- than was characteristic of students in the other centers. They were enthusiastic about their programs and completely satisfied with the calibre of instruction.

The survey team met with the director, Doctor Moore, who outlined the major needs of the Center as more faculty, particularly one additional position each in biochemistry, microbiology, and pathology; and funds for renovation of the microscopy laboratory, classrooms, and the physiology laboratory.

The facilities in Meyers Hall leave a great deal to be desired. The building is approximately 40 years old and appears not to have been renovated over its lifetime of use. The shell is solid, and the space, properly redesigned and rebuilt, could be first class. At present, however, it is decidedly substandard, particularly the animal rooms; one of the lecture halls struck the site visitors as a dangerous firetrap. A great deal of potentially useful space is wasted by inefficient and inappropriate design and construction. It is recommended that renovation be undertaken in the near future.

XV. DATA BASE; Basic Science Departments

Department PHYSIOLOGY — Date of Survey March 25, 1977

Chairman Ewald E. Selkurt — Year of Birth 1914

Yr. Appointed Chairman 1958 — Yr. Appointed to Faculty 1958

Source(s) of terminal degree(s) M.A., Ph.D., Univ. of Wisconsin

Prior academic positions, years (1) Instructor, New York Univ. School of Medicir 1941-1944; (2) Asst. Prof., Assoc. Prof., Case-Western Reserve Sch.Medicine 1944-5

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	7	8	1	
Asso. Prof.	4	2	1	
Asst. Prof.	2	0	1	
Instructor			1	
Others				

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office ~~& Labs~~	14	3134
Classrms. & Conf. Rms	3	2790
Research Labs	13	7500
Other Teaching Labs*	5	6450
*(Shared with Pharmacology) TOTAL	35	19,874

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 492,100	553,290
2. Unrestricted grants & gifts	--	--
3. Other	350	150
Subtotal	$ 492,450	553,440
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 428,726	445,875
2. Supplies & equipment	23,200	23,200
3. Research support (Equipment "Start-up Funds")	35,000	---
Subtotal	$ 486,926	469,075
TOTAL FUNDS	$ 978,376	1,022,515

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

XV. DATA BASE; Basic Science Departments

Department Evansville Center for Medical Education Date of Survey _____

Chairman Patrick J. V. Corcoran, Director Year of Birth 1912

Yr. Appointed Chairman 1970 Yr. Appointed to Faculty 1970

Source(s) of terminal degree(s) Northwestern University - M.D. 1939

Prior academic positions, years _____

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	1	1		1
Asso. Prof.	3	3		2
Asst. Prof.	2	0		6
Instructor				1
Others				67

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & Labs	18	5,468
Classrms. & Conf. Rms	10	9,073
Research Labs	7	2,167
Other		2,400
TOTAL	35	19,008

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 82,770.00	3 applications pending
2. Unrestricted grants & gifts	17,483.00	24,083.00
3. Other	-0-	
Subtotal	$100,253.00	24,083.00
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources faculty contributions to extramural grant on alcohol, medical education	$ 6,800.00	-0-
Subtotal (income)	$ 6,800.00	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc. (Non-faculty)	$259.165.00	269,532.00
2. Supplies & equipment	38,039.00	26,372.00
3. Research support	27,840.00	35,380.00
Subtotal	$325,044.00	331,284.00
TOTAL FUNDS	$432,097.00	355,367.00

+3 grants pending

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Physiology

The survey team met with Ewald A. Selkurt, M.D., Chairman, and L. K. Knoebel, M.D., Deputy Chairman, of the Department of Physiology. The department has 13 full-time faculty, and a budget of $978,376, of which $492,450 is provided from non-university funds. The department estimates that 43% of its time is devoted to teaching, and 39% to research. It is responsible for 154 medical students and 219 dental, allied health, and graduate students.

The self study reports that instruction in physiology throughout the Indiana system is of very good to excellent quality. In recent years scores on the National Board examinations have shown improvement.

The conference with Doctors Selkurt and Knowebel revealed that instruction in physiology at the Indianapolis Center is traditional. All students are present for lecture sessions, but are divided into groups of 20 for laboratory work. Students who do not do well on quizzes are provided with graduate student tutors.

Doctor Selkurt indicated that the curricula of the various centers were not uniform. Because of differences in class size, he considered this desirable. He did not feel that the Physiology Department in Indianapolis was responsible for the physiology instruction in the centers. He does cooperate with the centers and is joining in a system-wide meeting.

The director of the center, Dr. Corcoran, is very highly regarded by staff and students alike. Dr. Corcoran is able not only to maintain good relationships with Indianapolis, but also with Evansville University.

The survey team finds the medical education program at Evansville adequate.

Total Teaching Activities of the Dept.:

	Number of students per academic year
A. Medical Students Required Subjects	10 courses (1st year) 300 8 courses (2nd year) 196
Elective Subjects	35 - 40
B. Dental Students	0
C. Pharmacy Students	0
D. Nursing Students	100
E. Allied Health Students	~~1,850~~
F. Arts & Science Students	
G. Masters Degree Students	~~125~~
H. Ph.D. Degree Students	
I. Post Doctoral Fellows	
J. Other Optometry	72

Percent of Faculty Effort in:

Teaching Undergraduates Medical	35
Other students	10
Research	35
Service	10
Administration (including committees)	10
TOTAL	100%

Estimate the percent of medical students who have chosen your field as a career during the past five years. 20

XV. DATA BASE: Basic Science Departments

Department Lafayette Center for Medical Educ. Date of Survey 3/28/77

Chairman Lindley H. Wagner, M.D., Director Year of Birth 1934

Yr. Appointed Chairman 1971 Yr. Appointed to Faculty 1971

Source(s) of terminal degree(s) A.B. & M.D., Indiana University

Prior academic positions, years Resident 1960-1963; Instructor 1963-1971

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	0		6	
Asso. Prof.	0		3	
Asst. Prof.	0		4	
Instructor	0		5	
Others	0		4	35

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & Labs	13	1108
Classrms. & Conf. Rms	7	4967
Research Labs	12	9289
Other	5	6080
	3	2000
TOTAL	40	23,444

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 0	0
2. Unrestricted grants & gifts	0	0
3. Other		
Subtotal	$ 0	0
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$ 0-N/A	0-N/A
	0	0
Subtotal (income)	$ 0	0
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$360,435	$374,852
2. Supplies & equipment	47,225	51,003
3. Research support	N/A	N/A
Subtotal	$407,660	425,855
TOTAL FUNDS	$407,660	425,855

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

The survey team found evidence of considerable unrest and discontent among the faculty members at Bloomington. Many of the faculty, particularly the more senior ones, perceive a loss of identity for their long-established programs of graduate studies in the basic sciences, and for the M.D./Ph.D. in the very large and dispersed entity that the Indiana University School of Medicine has become. They do not feel that they have adequate input into the decision-making process for the entire School of Medicine, particularly into decisions concerning the curriculum. Efforts should be made at reducing their sense of isolation and at providing a means through which their point of view can be expressed.

In the view of the survey team, the educational program of the Medical Sciences Program at Bloomington is adequate.

XV. DATA BASE: Basic Science Departments

Department Muncie Center for Medical Education Date of Survey 3-25-77

Chairman Douglas Triplett, M.D. Year of Birth 1943

Yr. Appointed Chairman 1977 Yr. Appointed to Faculty 1977

Source(s) of terminal degree(s) Indiana University School of Medicine

Prior academic positions, years none

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	1	1		
Asso. Prof.	4	3	2	
Asst. Prof.	2	1	1	
Instructor				
Others				

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & Labs	10	4000
Classrms. & Conf. Rms	6	3998
Research Labs	6	2980
Other	8	2434
TOTAL	30	13412

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 53,697	
2. Unrestricted grants & gifts	3,795	
3. Other		
Subtotal	$ 57,492	
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$ --	
Subtotal (income)	$ 00	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 233,356	
2. Supplies & equipment	55,642	
3. Research support	--	
Subtotal	$ 288,998	
TOTAL FUNDS	$ 324,220	

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Evansville Center for Medical Education

The Evansville Center for Medical Education at Evansville University has six full-time faculty members, and a budget of $432,000 of which $100,000 came from non-university funds. The center has 20 students; it is estimated that 46% of the faculty's time is spent in teaching and 32% in research.

The director of the center, Dr. Patrick J. V. Corcoran, stated that liaison with the Medical Center at Indianapolis is excellent; however, he feels free to set up his own curriculum, schedule, and grading system. The Director coordinates these decisions through the School of Medicine Education Committee. Further coordination is effected through system-wide faculty meetings at least twice a year. All faculty at the Evansville Center have joint appointments with the universities in Evansville and Indianapolis.

The survey team met with four of the six faculty members. These staff members reported satisfaction with their situation. They appreciate the latitude they have in developing and teaching courses, but welcome the support they get from the Medical Center in Indianapolis. The faculty at Evansville was making efforts to undertake interdisciplinary activity; they adjusted their courses to avoid overlap and to interdigitate them. They depend on the National Board examinations as a means of monitoring their teaching effort. The faculty did not feel that they suffered from academic isolation. They were attempting to undertake interdisciplinary research and to develop research activities in cooperation with local physicians. The faculty reported also that they can spend time at the Medical Center in Indianapolis in order to keep up with recent development in their fields.

Research output has not been extensive for three reasons: (1) there are few graduate students to assist in research projects; (2) the teaching load is heavy, leaving little free time for research; and (3) the faculty has been concentrating on developing the curriculum and has not had much time for research.

All 20 students met with the site visitors. The students were enthusiastic, energetic, excited to be in medical school, and pleased with the Center at Evansville. They liked small group teaching, the faculty, and the clinical correlations they were being provided. They reported that housing is difficult to find in Evansville and that financial aid is a minor problem.

The survey team also talked with four alumni of the center who have returned to Evansville for senior electives or for residency training. These four did not experience difficulty in adjusting to Indianapolis after leaving Evansville. One of the four remarked that it was easier "to goof off" when you were one of 300 students at Indianapolis than when you are one of 20 at Evansville. On the other hand, these four students felt that the "turning point" of second year instruction was the course "Introduction to Clinical Medicine" which they felt would be difficult to duplicate at the medical education centers.

XV. DATA BASE; Basic Science Departments

Department NW CENTER FOR MEDICAL EDUCATION Date of Survey April 11, 1977

~~CHAIRMAN~~ Panayotis G. Iatridis, M.D., D.Sc. Year of Birth 1926

DIRECTOR Director
Yr. Appointed ~~Chairman~~ 1975 Yr. Appointed to Faculty 1972

Source(s) of terminal degree(s) School of Medicine, University of Athens, Greece

Prior academic positions, years (3) at the School of Medicine, University of North Carolina, Chapel Hill, North Carolina

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	2	2		2
Asso. Prof.				2
Asst. Prof.	6		2	2
Instructor	1			
Others				

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & Labs	9	2160
Classrms. & Conf. Rms	4	2960
Research Labs	7	2800
Other	1	240
TOTAL		8160

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 97,000	106,065
2. Unrestricted grants & gifts		
3. Other		
Subtotal	$ 97,000	106,065
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 286,652	297,961
2. Supplies & equipment	93,828	93,828
3. Research support		
Subtotal	$ 380,480	391,189
TOTAL FUNDS	$ 477,480	497,854

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

The students appeared well satisfied with the education being provided and made no serious complaints about such matters as over-scheduling, poor library facilities, or geographic and cultural isolation. Several expressed delight at small group instruction and close interaction with the faculty.

The faculty have discussed the possibility of a second year of medical education being provided at the Northwest Center. Students indicated that, if given the opportunity, they would stay in Gary for a second year.

In the view of the survey team, the medical education program at the Northwest Center for Medical Education is acceptable. The team suggests, however, that efforts be made to compensate for the Spartan intellectual life of the Northwest Campus, and for the sense of impoverishment, isolation, and deprivation resulting from the unfavorable geographic location and the at present inadequate facilities.

Lafayette Center for Medical Education

Faculty at the Lafayette Center for Medical Education are appointed at Purdue University and teach on contract with Indiana University School of Medicine. At present there are 22 faculty at the center. The center has a budget of $407,660, all of it from the School of Medicine. There are 20 students at the center, all of whom are enrolled as special graduate students at Purdue University. The faculty effort covered by the School of Medicine contract is devoted to teaching; research is undertaken in the Purdue University departments.

The director of the center, Lindley Wagner, M.D., is responsible for the coordination of budgets, for organizing the curriculum, and for student transcripts. Wagner joins with the faculty in planning the curriculum. Courses are recognized, however, as being offered by Purdue University and as meeting Purdue standards. Faculty are appointed by Purdue; however, Dr. Wagner has the authority to veto a particular faculty member's teaching medical students. The Purdue faculty join with the other faculty in state-wide meetings. As at the other centers, the National Board examinations are used as a means of evaluating the teaching effort. There is no substantial difference between performance of students at Lafayette and those at other branches of the system.

Students at Lafayette have access to all the student facilities at Purdue, including student housing, student health, and recreation facilities. Medical students share library, lounge, and multi-media facilities with the students in the Veterinary College, an arrangement that appears to work felicitously. Medical students are provided with clinical correlations for four hours on Saturday mornings at one of the local hospitals.

The survey team met with the students, most of whom are graduates of Purdue University who elected to study at the Lafayette Center for Medical Education. The students were satisfied with their program, particularly with the small class size and with the extensive faculty contact. They would like to have a second year of instruction at Lafayette.

The faculty members were favorable in their comments about Dr. Wagner and were enthusiastic about the opportunity to teach medical students. They are innovative in their approach to teaching. A visit to a class in histology revealed a most sophisticated use of medical equipment, in which the tissue that the professor was examining under his microscope was shown to the class on television screens. The equipment permits the lecture and demonstrations to be videotaped for future reviewing.

It is the view of the survey team that the medical education program at the Lafayette Center for Medical Education is adequate.

XV. DATA BASE: Basic Science Departments

Department SSOME Date of Survey March, 1977

Chairman Thomas A. Troeger, M.D. Year of Birth 1937

Yr. Appointed Chairman 1970 Yr. Appointed to Faculty 1970

Source(s) of terminal degree(s) Indiana University

Prior academic positions, years None

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	0	0	2	
Asso. Prof.	1	1	0	
Asst. Prof.	3	0	2	
Instructor	0	0	0	
Others	0	0	0	30

Dept. Space Assigned:

	No.	Sq. Ft.
Faculty Office & ~~Labs~~	9	1504
Classrms. & Conf. Rms	2	1239
~~Research~~ Labs Research	5	1984
~~Other~~ Labs - Student	3	2745
Other	18	4366
TOTAL	~~37~~	7472
Total		11,838

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 23,700	$16,700
2. Unrestricted grants & gifts	5,000	
3. Other	0	
Subtotal	$ 28,700	$16,700
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$ 0	0
Subtotal (income)	$ 0	0
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$202,910	$212,909
2. Supplies & equipment	$ 88,273	$ 80,437
3. Research support	0	0
Subtotal	$291,183	$293,346
TOTAL FUNDS	$319,883	$310,047

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Muncie Center for Medical Education

The Muncie Center for Medical Education is located on the campus of Ball State University. The center gas seveb fykk-time faculty members, 20 students, and a budget of $324,220 including $57,492 in non-university funds. It is estimated that faculty spend 73% of their time teaching; their responsibilities include 100 nursing students and 1,185 allied health students, as well as five masters degree students and two Ph.D. students.

The center occupies about 14,000 square feet of space, which has been recently renovated and is well equipped. There are adequate lecture rooms and laboratories. Space is available for expansion should the program be extended to two years.

The Center for Medical Education is operated according to terms established by a memorandum of agreement between the Indiana University School of Medicine and Ball State University. The memorandum provides that Ball State will provide faculty for the center according to standards set by the School of Medicine. The question of determining whether the medical school standards are met was discussed; the survey team was informed that at present a faculty member from the center is teaching at the Medical Center in Indianapolis in order that his teaching abilities can be carefully assessed. During his absence the Indianapolis Center is assisting the center in the necessary instruction in Muncie.

As at the other regional centers, there is a degree of autonomy in the development of courses, in grading, and in scheduling. Interviews with faculty revealed their appreciation of their independence, but also their gratitude for the meetings that are arranged for faculty from all the centers. The survey team was impressed with the quality of the clinical correlations provided at Muncie and by the youth and enthusiasm of the faculty.

The survey team met also with the students, many of whom had elected Muncie as their preference for medical education. A number are from the local area. The students were satisfied for the most part with their educational program, and stated that they preferred doing their first year at Muncie to going to the larger program at Indianapolis. They did comment that they felt they were being over-tested. All were complimentary concerning the student advisor, Jay Smith.

The survey team finds the medical education program at Muncie acceptable.

and is also responsible for a family practice residency program in a local hospital. He devotes only part of his time to directing the center and shares responsibility with John O'Malley, Ph.D., who is in charge of the gross anatomy program. Like Dr. Troegar, Dr. O'Malley is highly respected by both students and faculty.

The survey team finds the medical education program at South Bend acceptable.

Northwest Center for Medical Education (Gary)

The Northwest Center for Medical Education, located on the Gary regional campus of Indiana University, offers a first year of medical education to 20 students. The director of the center is Panayotis G. Iatridis, M.D. The Center has nine full-time faculty members, and a budget of $477,480, including $97,000 in non-university funds. Faculty members at the Center are responsible for two graduate students in addition to the 20 medical students. It is estimated that 40% of the faculty's time is spent in teaching and 35% in research.

The Northwest Center is housed in about 8,000 net square feet of space which includes a classroom, a gross anatomy dissecting room, a histology laboratory, and a multi-purpose laboratory. All of these are reasonably adequate in size and appear to be appropriately equipped. However, the small library has no substantial collection of either reference books or journals, although the Indiana University's Northwest Campus library is said to have adequate holdings in fields such as biochemistry, anatomy, and physiology. The medical school librarian can arrange interlibrary loans from Indianapolis, and there is a Medline terminal. A card file catalogues substantial holdings in various affiliated hospital libraries.

The facilities in use at present will be vacated within the next few months and medical education activities will be transferred to an adjoining, more spacious building. The present building is crowded and depressing in atmosphere.

The center offers courses in anatomy, biochemistry, microbiology, physiology, and psychiatry. Students may elect to attend a series of demonstrations of the clinical applications of basic science principles held in local hospitals on Saturday mornings. By and large, the burden of instruction in each subject falls on one individual, who is also essentially responsible for designing the course. However, faculty at Gary interact extensively with their peers on the Indianapolis campus as well as with those on the other regional campuses.

The major instrument for monitoring the effectiveness of the teaching program is student performance on the NBME examinations. The survey team was informed that an analysis of NBME scores since 1972 reveals no significant difference between the aggregate scores of students by campus; nor is there any significant difference by campus in the performance in any discipline in which the NBME examines.

The survey team was impressed by the ten full-time faculty members at the Northwest Center for Medical Education. They expressed a high degree of satisfaction with their circumstances in Gary. The teaching load is heavy. During the academic year there is little time for research and the publication record of the faculty, except for the center director, is thin. The faculty members do not report a feeling of isolation.

XV. DATA BASE; Basic Science Departments

Center
Department: Terre Haute Center for Medical Education Date of Survey: 4/15/77

Director
Chairman: Alvin S. Levine Year of Birth: 1925

Yr. Appointed Chairman: 1971 Yr. Appointed to Faculty: 1958

Source(s) of terminal degree(s): Ph.D. 1954, Rutgers (Microbiology)

Prior academic positions, years: Harvard Medical School 1954-58

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	3	3	0	4
Asso. Prof.	1	1	0	1
Asst. Prof.	4	0	0	3
Instructor	0	0	0	0
Others- Assoc. Faculty Preceptors	0	0	0	56

Dept. Space Assigned:

	No.	Net Sq. Ft.
Faculty Office & Labs	8	800
Classrms. & Conf. Rms	4	3800
Research Labs (Faculty	5	3400
Other Adm. & Service	9	1000
Animal Facility	1	4000
TOTAL		13000

Budget Funds Available to Department:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects	$ 122,478	89,478
2. Unrestricted grants & gifts	1,200	1,200
3. Other-Emergency Medical Student Loan Fund	1,000	1,000
Subtotal	$ 124,678	91,678
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$ None	-
Subtotal (income)	$ -	-
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, etc.	$ 279,486	290,691
2. Supplies & equipment	53,475	49,952
3. Research support	14,000	-
Subtotal	$ 346,961	340,643
TOTAL FUNDS	$ 471,639	432,321

*If the department has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

XVII. CLINICAL DEPARTMENTS

The self study (page 43) indicates that "students now receive a sound basis in clinical medicine." The study continues, "This is especially gratifying considering the large size of the student body and frequently encountered unfavorable student-faculty ratios."

The reports for individual departments indicate need for additional space and facilities in certain departments, and need for additional teaching beds. The self study on the whole rates the research effort of the school as good, although it admits that the research activities of some departments are underdeveloped (page 44). The self study considers that the overall clinical teaching program is satisfactory but that it could be strengthened by the development of coordinated programs.

The survey team is in basic agreement with the task force that prepared the self study. It recommends that a practice plan for the entire school be developed.

South Bend Center for Medical Education

The South Bend Center for Medical Education is located on the campus of Notre Dame University. It is housed in space rented from the University. Some faculty members hold appointments from Notre Dame and teach part-time in the medical center under contract with Indiana. The center occupies about 12,000 square feet of space, including one large classroom, a gross anatomy dissecting laboratory, a large multi-purpose laboratory for histology/biochemistry and physiology, laboratories and offices for faculty members, and a small library with a very limited collection of reference books and journals. The survey team was informed that the University library had a fairly extensive collection of relevant reference and periodical materials. The student laboratories were well equipped in a somewhat assembly-line, stereotyped fashion. The facilities and equipment were excellent. The budget for the Center is approximately $320,000, all but about $20,000 coming from Indiana University.

The curriculum at South Bend was substantially locally designed; faculty members do meet with members of faculty at other centers and at Indianapolis to discuss teaching. Monitoring the curriculum was undertaken primarily through the NBME examinations. The examination results do not reveal a significant difference between the scores of students at South Bend and students at other units of the School of Medicine, except in the case of biochemistry, where students at South Bend regularly score somewhat lower. Faculty members at South Bend are discussing this matter extensively.

The South Bend Center looks forward to expanding the curriculum to two years in the near future.

The faculty members at South Bend were relatively youthful and demonstrated extremely high morale and esprit de corps. They enjoyed the autonomy of being in a regional center, and viewed positively the fact that they had to bear the brunt of teaching virtually the total range of subject matter in their fields. The faculty found their periodic contact with colleagues in other centers useful. Their teaching responsibilities are heavy. The most recently published bibliography of the faculty at Indiana University School of Medicine revealed only one publication by a member of the staff of the South Bend Center during the 1976-1977 year. The faculty felt that their evaluations for promotion and tenure were sympathetic and fair.

Students at South Bend were well satisfied with their program. Most had elected this center as their first choice and would like to stay in South Bend for a second year if the curriculum were extended. They were particularly pleased with the optional Saturday morning clinical demonstrations of the application of basic science information to the practice of medicine, and felt that their individual assignments to specific residents at the South Bend hospitals were particularly productive.

The director of the center, Thomas A. Troegar, M.D., is held in high regard by both students and faculty. Dr. Troegar is an internist who has directed the center almost since its creation. He continues to practice

Department Clinical Pathology Date of Survey 4/15/77

Chairman Carleton D. Nordschow Year of Birth 1926

Yr. Appointed Chairman 1969 Yr. Appointed to Faculty 1969

Sources of terminal degree(s) M.D., Ph.D., University of Iowa

Prior academic positions, years Assistant & Associate Professor, University of Iowa - 8 years.

Faculty:

SEE ATTACHED

	Full Time	Number Tenured	Part Time	Vol.
Professor	4	4		
Asso. Prof.	9	7		
Asst. Prof.	15	2		
Instructor				
Others	2			

Dept. Assigned Space: (other than clinical beds)

SEE ATTACHED

	No.	Sq. Ft.
Faculty Office & Labs	29	4,500
Classrms. & Conf. Rms.	10	3,920
Research Laboratories	5	1,700
Other		
TOTAL	44	10,120

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation	-0-	-0-
Other	$ 21,000	25,000
2. Unrestricted grants & gifts	14,000	14,000
3. Other	736,424	731,000
Subtotal	$ 771,424	770,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 296,765	308,000
2. Supplies & equipment	20,000	21,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 316,765	329,000
TOTAL FUNDS	$ 1,088,189	1,099,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Total Teaching Activities of the Dept.:

	Number of students per academic year		
1. Undergraduate Medical Education			
A. Medical students from this college: Required Subjects	Soph. - Introduction to Medicine		
Elective Subjects	Senior Ophthalmology elective		
B. Medical students from other schools			
2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	21	21	0
B. First year residency positions only	7	7	0
C. Post Doctoral Fellows	3		
D. Other _____			

Percent of Faculty Effort in:

TEACHING Undergraduates	10
Post M.D. students	25
Others	5
RESEARCH	10
SERVICE	25
ADMINISTRATION (including committees)	25
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 5%

Terre Haute Center for Medical Education

The Terre Haute Center for Medical Education was established in 1971; it is located on the campus of the Indiana State University. The center occupies a total of 13,000 net square feet of space. Faculty members hold appointments in either Indiana University School of Medicine or the Indiana State University. The center has a budget of about $470,000 of which about $125,000 comes from non-university funds. There are 20 students and 7 full-time faculty members. The faculty members are discussing the possibility of developing a second year curriculum. The director of the center feels that in a year's time he could recruit faculty and organize such a program.

Several members of the faculty take pride in having designed their own courses, while others emphasize the intimacy with which they have worked with their colleagues in other parts of the School of Medicine in developing a reasonably standardized course structure. The survey team examined a set of course objectives subscribed to by the central and regional campuses for each preclinical science course. These objectives were extremely detailed and comprehensive and constitute, for all practical purposes, a syllabus. The faculty makes use of the NBME examinations for monitoring the effectiveness of the teaching program.

As in the other centers, the bulk of the teaching in any given course was born by one or two professors. Two departments, biochemistry and microbiology, received substantial assistance through lectures given by members of the Indiana State University faculty. There has been, however, a general shift since 1971 away from dependence on Indiana State University faculty.

The full-time faculty members at the center were quite young; they were both interested and engaged in research and seemed satisfied with their circumstances.

Most of the students had not selected Terre Haute as the place to obtain their medical education. However, most were content with the program and expressed a willingness to stay in Terre Haute for a second year if a second-year program were offered. The students felt that they were receiving an excellent education, were not overscheduled, and would be able to compete successfully with students from other branches of the School of Medicine. Students did report that they had difficulty finding suitable housing in Terre Haute.

The director of the center, Alvin S. Levine, M.D., is respected by students and faculty alike. He maintains close liaison with Indianapolis and does an excellent job of coordinating the center's program with the Indianapolis campus. The survey team interviewed James R. Buchler, M.D., Director of Medical Education at Union Hospital. Doctor Buchler is responsible for arranging the program for fourth year students who undertake electives in Terre Haute. He is excited about this activity and is anxious to see a second-year program started at Terre Haute; he would like to participate in the "Introduction to Clinical Medicine" course.

In the view of the survey team, the medical education program at the Terre Haute Center is acceptable.

Department of Clinical Pathology

The survey team met with Carleton D. Nordschow, M.D., Chairman of the Department of Clinical Pathology. The department has 30 full-time faculty members and a budget of $1,088,189 including $21,000 in research funds. In 1971 the department had 18 full-time faculty and a budget of $1,863,000. The department has 16 residents and 2 post-doctoral fellows, and is responsible for instructing 30 allied health students. There is not a separate first or second-year course in clinical pathology. Rather, faculty from this department join with faculty from the Department of Anatomic Pathology in team teaching. They also provide the instruction in fundamental laboratory skills and the laboratory experiences for the "Introduction to Medicine" course.

The department is responsible for the clinical laboratory and blood banks in the University Hospitals, and by contract provides clinical laboratory services to the Veteran's Administration Hospital. The department reports that it performs between 3.5 and 4 million laboratory procedures per year for the University Hospitals.

The self study (page 45) reports that the department undertakes a minimal research effort and suggests that the overall teaching effort of the School of Medicine would be strengthened by closer coordination of the activities of the Departments of Clinical Pathology and Anatomical Pathology. The chairman of the department, Dr. Nordschow, felt that the sophomore pathology course might be reorganized as a team effort with oversight provided by a topic committee. The objective of the reorganization would be to make better use of faculty in the department and to make the course more contemporary and thereby to make its relevance more apparent to students.

The conclusion of the reviewers is that teaching efforts of the department, both at graduate and undergraduate levels, is of a high order, but that the discipline at Indiana is fragmented because of the existence of the two Departments of Anatomic and Clinical Pathology; consequently, the programs offered by the two departments are not optimally coordinated.

SCHOOL Indiana University
School of Medicine

DATE OF SURVEY 03/77

CLINICAL DEPARTMENTS

Department/	#Teach. Beds	Full-time Faculty	Fellows	Residents	Interns	Operating Budget	Sponsored Funds	%Faculty Time Teaching Under-graduate Med. Ed.
1. Anesthesiology	0	22	0	51	0	76,891	341,671	42,000 hrs/yr.
2. Clinical Pathology	0	30	0	16	0	316,765	21,000	10%
3. Dermatology	0	2	0	5	0	62,529	0	10%
4. Family Medicine	0	3	0	8	0	25,256	352,903	18%
5. Medicine	398	103	44	88	0	1,500,989	2,013,576	11.8%
6. Medical Genetics	0	13	4	0	0	334,870	964,577	10%
7. Neurology	80	15	0	16	0	421,986	166,720	25%
8. Ob-Gyn	119	15	0	23	0	278,868	268,182	14%
9. Ophthalmology	0	10	3	21	0	137,871	197,384	400 hrs./yr.
10. Orthopaedics	98	7	1	21	0	158,039	214,952	8%
11. Otolaryngology	0	6	0	13	0	41,519	129,623	10%
12. Pediatrics	403	28	9	41	0	503,349	1,070,450	17%
13. Psychiatry	388	32	3	27	0	1,208,814	610,789	20%
14. Radiology	0	34	0	30	0	353,613	199,594	15%
15. Radiation Oncology	0	6	0	6	0	182,501	51,324	5%
16. Surgery	800	26	4	55	0	956,245	142,010	20%
17. Urology	60	4	0	9	0	171,883	32,659	20%

Department Anesthesiology Date of Survey March, 1977

Chairman V. K. Stoelting, M.D. Year of Birth 1912

Yr. Appointed Chairman 1947 Yr. Appointed to Faculty 1947

Sources of terminal degree(s) B.S. - I.U., 1936 M.D. - I.U., 1936

Post Graduate - Univ. of Wisconsin & Univ. of Iowa, 1943-47

Prior academic positions, years None

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	5	5		
Asso. Prof.	2	2		
Asst. Prof.	13	4	9	
Instructor			6	
Others	1	1		

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	14	3,000
Classrms. & Conf. Rms.	3	1,000
Research Laboratories	3	3,000
Other		
TOTAL	20	7,000

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation	327,290	285,000
Other	$ 14,575	15,000
2. Unrestricted grants & gifts		
3. Other	187,319	230,000
Subtotal	$ 528,990	530,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 69,391	72,200
2. Supplies & equipment	7,500	7,800
3. Research support		
Subtotal (university funds)	$ 76,891	80,000
TOTAL FUNDS	$ 605,881	610,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	250
Elective Subjects	10 - 15
B. Medical students from other schools	

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	16	16	-
B. First year residency positions only	4	4	-

C. Post Doctoral Fellows (Lectures)	2
D. Other Allied Health:	
Medical Technology (B.S.)	30

Percent of Faculty Effort in:

TEACHING	
Undergraduates	10%
Post M.D. students	5%
Others	10%
RESEARCH	15%
SERVICE	50%
ADMINISTRATION (including committees)	10%
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 3%

Department of Anesthesiology

The survey team met with Robert R. Stoelting, M.D., who had recently replaced V. K. Stoeltin, M.D., as Chairman of the Department of Anesthesiology. At the time of the 1971 report the department had 10 full-time faculty and a budget of $605,881. During the same period the number of residents had increased from 31 to 52, 18 of whom are foreign medical graduates.

The self study indicates (page 45) that the numbers of operative procedures and available patients are satisfactory. The department has 37 operating rooms available and in addition provides services to 35 intensive care unit beds, x-ray departments, oral surgery units, a burn unit and urology departments in five hospitals.

Two-thirds of the medical students rotate through the anesthesia department for two weeks during thier third year. The department also provides elective training for 15 to 20 students in their fourth year, and lectures in pharmacology and "Introduction to Medicine," where students are taught airway management and cardio-pulmonary resuscitation.

Doctor Stoelting reported that he is recruiting four additional staff members. Because of the difficulty in finding faculty in anesthesiology, the new staff may be recruited from residents at the Medical Center.

The self study (page 45) states "there is satisfactory time for research, although there is a need for research space and for funding of research in the future." The Data Base reports that $14,375 is available for research. Dr. Stoelting believes that every member of the department should spend 20% of his time doing research. Dr. Stoelting plans to make it possible for faculty to have research time in one week units.

The survey team agrees that additional time needs to be devoted to research and hopes that Dr. Stoelting will be able to implement his plan. Doing so would improve the teaching quality of what is a very good service department.

Department of Ophthalmology

In 1971 the Department of Ophthalmology had six full-time staff and a budget of $394,000. At present there are 10 full-time faculty and a budget of $584,142. The department has 21 residents. The self study indicates that the department sees a large number of patients in "rather antiquated facilities." It comments also that the residency program is highly sought after and completely filled.

The conference with the chairman, Fred Wilson, M.D., confirmed the department's need for additional space. These are spelled out in detail in the Data Base; they include additional operating room and in-patient facilities.

Dr. Wilson reports that well over 100 applications were received for 7 first-year residency positions, and that all faculty participate in the undergraduate education program.

The survey team concludes that the Department of Ophthalmology has a completely satisfactory program of medical education and that its clinical efforts could be improved by additional space.

Department Dermatology Date of Survey March 15, 19

Chairman Arthur L. Norins, M.D. Year of Birth 1928

Yr. Appointed Chairman 1976 Yr. Appointed to Faculty 1964

Sources of terminal degree(s) Northwestern University - M.S. Physiology

Northwestern University - M.D.

Prior academic positions, years Stanford University - 3 years

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	1	1	-	1
Asso. Prof.	1	-	-	3
Asst. Prof.	-	-	-	5
Instructor	-	-	2	3
Others				

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs		1,500
Classrms. & Conf. Rms.		500
Research Laboratories		500
Other		3,500
TOTAL		6,000

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation	-0-	-0-
Other	$ -0-	-0-
2. Unrestricted grants & gifts	4,490	4,500
3. Other	61,446	60,500
Subtotal	$ 65,936	65,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 60,129	62,500
2. Supplies & equipment	2,400	2,500
3. Research support	-0-	-0-
Subtotal (university funds)	$ 62,529	65,000
TOTAL FUNDS	$ 128,465	130,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Dermatology

The survey team met with Arthur L. Norins, M.D., Chairman of the Department of Dermatology. The department at present has two full-time faculty members, although efforts are being made to recruit a third member. Doing so would bring this department up to strength. The department has a total budget of $128,465; no funds are recorded in the Data Base for sponsored research projects. In 1971, the department had three full-time faculty and a total budget of $70,500, including $11,000 for research.

The department has five residents. The self study (page 45) reports, "Despite the small faculty, patient care is well organized and integrated with teaching so that excellent teaching and service can occur simultaneously." The self study observes also that because of the small size of the department and its emphasis on clinical service and teaching, "research cannot be considered a major strength." The self study states, however, that there is on-going clinical research, "which does meet basic academic requirements." The chairman, Dr. Norins, informed the team that he is conducting research on the physics of light and its effect upon the skin, and also is doing research on immunofluorescence.

Interviews led to the conclusion that the department and particularly the chairman are well regarded by students and residents. The survey team has no criticisms to offer.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	300 - sophomores 350 - juniors
Elective Subjects	24 - senior
B. Medical students from other schools	

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	52	22	18
B. First year residency positions only	12	12	0
C. Post Doctoral Fellows			
D. Other _____			
_____			
_____			

Percent of Faculty Effort in:

TEACHING Undergraduates	25
Post M.D. students	included in service
Others	-
RESEARCH	15
SERVICE & residency train.	55
ADMINISTRATION (including committees)	5
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 8-9%

XVI. DATA BASE: Clinical Department

Department Family Medicine Date of Survey 9/25-29/77

Chairman A. Alan Fischer, M.D. Year of Birth 1926

Yr. Appointed Chairman 1973 Yr. Appointed to Faculty 1970

Sources of terminal degree(s) M.D., IUSM

Prior academic positions, years Founder and Director, Family Practice Residency Program, St. Vincent's Hospital, Indianapolis, Indiana 1969-74.

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	1	1	0	1
Asso. Prof.	0	0	0	0
Asst. Prof.	2	0	8	7
Instructor	0	0	2	32
Others	0	0	0	0

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	4	881
Classrms. & Conf. Rms.	1	139
Research Laboratories	11	1,569
Other	9	1,752
TOTAL	25	4,291

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
Capitation	-0-	-0-
1. Sponsored Projects Other	$ 352,903	375,075
2. Unrestricted grants & gifts	27,000	27,000
3. Other	3,389	-0-
Subtotal	$ 383,292	402,075
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ -0-	-0-
2. Supplies & equipment	25,256	6,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 25,256	6,000
TOTAL FUNDS	$ 408,548	408,075

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Family Medicine

At the time of the 1971 survey, the family practice program at Indiana was just getting underway. The department chairman, A. Alan Fischer, M.D., had been appointed, but an educational program had not been designed and additional staff had not been appointed. The 1971 survey report expressed concern over the development of appropriate relationships between Family Practice and the Department of Preventive Medicine and Public Health, and Community Health Sciences. This appears to have been accomplished.

The department has three full-time faculty members including the chairman. It has newly renovated and very pleasant physical facilities, and a budget of $408,548. The department reports 15 residency positions in the Data Base, of which 8 are filled. The statewide program has about 100 residents, however, and the directors of these programs cooperate in the family practice programs in Indianapolis. The department makes heavy use of volunteer faculty; 39 are reported in the Data Base, along with 10 part-time faculty. The family practice faculty directs a freshman course entitled "Clinical Medicine I," and in the senior year the department offers elective rotations and preceptorships. The department cooperates in the "Introduction to Medicine" course in the second year. The department is also involved in teaching allied health students and in continuing medical education.

The self study notes (page 46) that there are few full-time faculty in the department and that the number will need to be increased as the department's responsibilities develop. The self study also states that the department is relatively new and that "the role of Family Medicine as a clinical presence in this tertiary center will require sharper definition."

A conference with the chairman, Dr. Fischer, underlined the problems facing the department. Dr. Fischer stated that family practice has not been fully accepted as a department. The department is, however, beginning to gain acceptance through its cooperative activities. At present the department cooperates in teaching the segment of the "Introduction to Medicine" course devoted to history-taking and interviewing; next year it will cooperate in teaching the physical diagnosis segment.

The chairman of the Department of Family Practice does not sit on the School of Medicine Executive Committee; his is the only department not represented on that committee. Family practice faculty members are apparently not able to admit patients to university hospitals. Understandably this makes it difficult for the department to attract residents. At times the family practice faculty find it necessary to correct misconceptions of their discipline expressed to students by department members of other faculty.

The chairman commented on the relatively low salaries available to faculty. He expressed the hope of developing a four-week junior year clerkship.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	300 Soph. 300 Jr.
Elective Subjects	36
B. Medical students from other schools	

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	5	4	1
B. First year residency positions only	2	2	
C. Post Doctoral Fellows			
D. Other _____			

Percent of Faculty Effort in:

TEACHING Undergraduates	10
Post M.D. students	20
Others	5
RESEARCH	10
SERVICE	30
ADMINISTRATION (including committees)	25
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 3

Department Medical Genetics — Date of Survey 4/4/77 (Medicine)

Chairman A. Donald Merritt, M.D. — Year of Birth June 11, 1925

Yr. Appointed Chairman 1966 — Yr. Appointed to Faculty 1961

Sources of terminal degree(s) George Washington University School of Medicine, Washington, D.C.

Prior academic positions, years 5

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	5	5	1	0
Asso. Prof.	3	3	2	0
Asst. Prof.	5	3	0	1
Instructor	0	0	0	2
Others	0	0	0	0

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	22	2,520
Classrms. & Conf. Rms.	2	710
Research Laboratories	26	5,840
Other	8	1,750
TOTAL	58	10,820

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation 20,251 Other	$ 944,446	966,000 Other
2. Unrestricted grants & gifts	19,589	22,000
3. Other	66,000	70,000
Subtotal	$ 1,050,166	1,058,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 269,240	301,000
2. Supplies & equipment & renovation	45,630	18,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 334,870	319,000
TOTAL FUNDS	$ 1,385,036	1,377,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Total Teaching Activities of the Dept.:

	Number of students per academic year		
1. Undergraduate Medical Education			
A. Medical students from this college: Required Subjects	280		
Elective Subjects	10		
B. Medical students from other schools	1		
2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	0		
B. First year residency positions only	0		
C. Post Doctoral Fellows (Clinical)	4	3	1
D. Other Post Ph.D.	4	4	0

Percent of Faculty Effort in:

TEACHING Undergraduates (M.D.)	10
Post M.D. students	-
Others (M.S., Ph.D.)	20
RESEARCH	50
SERVICE	10
ADMINISTRATION (including committees)	10
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 5

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	437
Elective Subjects	115
B. Medical students from other schools	-0-

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	15	8	0
B. First year residency positions only	5	2	0
C. Post Doctoral Fellows			
D. Other Continuing Medical Education --	400 M. D.'s		

Percent of Faculty Effort in:

TEACHING Undergraduates	18%
Post M.D. students	18%
Others	5%
RESEARCH	7%
SERVICE	7%
ADMINISTRATION (including committees)	45%
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 16%

Department Medicine Date of Survey April, 1977

Chairman Walter J. Daly, M.D. Year of Birth 1930

Yr. Appointed Chairman 1970 Yr. Appointed to Faculty 1962

Sources of terminal degree(s) M.D. from Indiana University in 1955

Prior academic positions, years all at Indiana University

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	36	26	5	17
Asso. Prof.	29	11	3	28
Asst. Prof.	35	1	4	77
Instructor	3	0	0	6
Others	0	0	0	0

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	161	29,188
Classrms. & Conf. Rms.	21	7,052
Research Laboratories	126	27,341
Other	13	
TOTAL	321	63,581

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation	-0-	-0-
Other	$ 2,013,576	2,013,576
2. Unrestricted grants & gifts	-0-	-0-
3. Other	4,200,000	4,200,000
Subtotal	$ 6,213,576	6,213,576
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 1,465,989	1,524,629
2. Supplies & equipment	35,000	35,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 1,500,989	1,559,629
TOTAL FUNDS	$ 7,714,565	7,773,205

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

The department is attacking its problems realistically and in a positive way. In the view of the survey team it is a lively department with substantial potential. The survey team notes, however, the strained relationships between the chairman of the Department of Family Practice on the one hand and the chairmen of the departments and the administration of the medical school on the other. A resolution of the problems causing these strains will strengthen the educational program of the department. The team recommends that consideration be given by the School of Medicine to the development of a family practice clerkship.

Department of Medicine

The Department of Medicine is the largest in the School of Medicine with a full-time staff of 103, and a budget of $7.7 million. In 1971 the department had a staff of 60 and a budget of $3.3 million. The department has 54 filled residency positions and 44 post-doctoral fellows.

The 1971 survey report indicated a "high level of competence" characterized the department at that time. The self study (page 46) comments that at present the major sections of the department "are strong in the triad of service, teaching, and research", that the department "participates vigorously and heavily in undergraduate, graduate and continuing medical education", and that its "research and scholarly activities are excellent." The self study notes the need for additional staff in the hematology and gastroenterology sections, and the need for increasing teaching beds by 25%.

The survey team met with the chairman, Walter J. Daly, M.D. Dr. Daly described the complex organization of the department. Dr. Daly participates in appointing the chiefs of medicine at the three university hospitals. Each chief is also chief of his subspecialty, not just at his own hospital but also at each of the other two. The department has an executive committee which meets monthly, as well as education and resident committees that meet regularly. The department has its own clinical practice plan in the form of a non-profit corporation with an elected board.

Dr. Daly explained the need for additional teaching beds by pointing out that students on third-year rotations now work up as few as two patients per week. He is reluctant to assign these students to community hospitals, and is considering the alternative of providing clerkships in the outpatient clinic at Wishard, one of the university hospitals.

Dr. Daly felt that his department received excellent support from the Dean and the school as a whole. He does not experience difficulties of a financial kind in attracting faculty.

The team was impressed with the excellent organization of the department and with its commitment to undergraduate education. Much of the department's success can be credited to its able and perceptive chairman. The team recommends that the administration of the School of Medicine and the chairman of the Department of Medicine closely monitor the number of patients available for teaching purposes to the Department of Medicine. If it is necessary as a means of maintaining an appropriate ratio of students to patients, the teaching program should be extended to selected community hospitals.

(a) Clinical

Total Teaching Activities of the Dept.:

	Number of students per academic year
A. Medical Students Required Subjects	280
Elective Subjects	10
B. Dental Students	0
C. Pharmacy Students	0
D. Nursing Students	0
E. Allied Health Students	0
F. Arts & Science Students	200
G. Masters Degree Students	6
H. Ph.D. Degree Students	35
I. Post Doctoral Fellows	4
J. Other Post Ph.D.	4

Percent of Faculty Effort in:

Teaching Undergraduates (M.D.)	10
Other students (M.S., Ph.D.)	20
Research	50
Service	10
Administration (including committees)	10
TOTAL	100%

Estimate the percent of medical students who have chosen your field as a career during the past five years. 5

XVI. DATA BASE: Clinical Department

Department Neurology Date of Survey 1977

Chairman Mark L. Dyken, Jr., M.D. Year of Birth 1928

Yr. Appointed Chairman 1971 Yr. Appointed to Faculty 1958

Sources of terminal degree(s) Indiana University - M.D., 1954

Prior academic positions, years None

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	5 (1)*	5 (1)		1
Asso. Prof.	2	1	1	1
Asst. Prof.	7	0	0	15
Instructor				1
Others				

*Joint Appointment

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	35	5,723
Classrms. & Conf. Rms.	7	1,571
Research Laboratories	3	1,535
Other		
TOTAL	45	8,829

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation	102,193	
Other	$ 64,527	76,000 Other
2. Unrestricted grants & gifts	15,700	4,000
3. Other	26,000	55,500
Subtotal	$ 208,420	135,500
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 403,986	494,145
2. Supplies & equipment	18,000	19,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 421,986	513,145
TOTAL FUNDS	$ 630,406	648,645

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of it.

Department of Medical Genetics

The Department of Medical Genetics is one of ten genetics centers funded by the National Institutes of Health. The department is engaged in undergraduate and graduate education and in clinical services; however, its activities are rather heavily directed toward research and the training of pre- and post-doctoral trainees.

The department has 13 full-time faculty members and a budget of $1.4 million, of which $1 million is from non-university funds. The department has 6 master's degree students, 25 Ph.D. students, 4 post-doctoral fellows and 4 post-Ph.D. fellows. In addition, the department provides a 33-hour course for sophomore medical students. The self study (page 46) indicates that the strengths of the department are its research and its graduate training programs and consultative services and adds that the department's clinical and teaching activities "are not well coordinated with those of other departments."

The survey team interviewed the chairman, A. Donald Merritt, M.D. The interview revealed that there is conflict between the Departments of Medical Genetics and Pediatrics which is hampering clinical cooperation.

The survey team observed that the Medical Genetics Department has very crowded quarters. They were informed, however, that additional space is to be assigned to the department in the near future.

The survey team concludes that the department is an excellent one, capable in research and successful in attracting support for research projects. Attention should be paid to its relations to other departments.

Department of Neurology

In 1971, the Department of Neurology had a full-time staff of 8 and a budget of $805,000. At present there are 15 full-time faculty (including one joint appointment), and a budget of $630,406. The department has 16 residents. The self study indicates that the Department of Neurology has a heavy patient load, which provides excellent volume for educational purposes; it does not, however, leave the faculty time for research activities. The self study concludes that there is need for additional staff in neurology.

The survey team met with the acting chief of the department, Arthur L. Drew, M.D., in the absence of the chairman, Mark L. Dyken, M.D. Dr. Drew re-emphasized the need for additional staff, pointing out that, in particular, there is need for more staff in certain subspecialty areas. Dr. Drew agreed that the lack of competitiveness in salaries was making recruiting more difficult.

The arrangements for undergraduate instruction in neurology were reviewed in some detail. It is the conclusion of the survey team that the curriculum is well organized and, particularly, is well taught. The survey team agrees that the department would be strengthened by the addition of staff.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	3rd year -- 300
Elective Subjects	1,038 student months
B. Medical students from other schools	135 student months

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	55	54	1
B. First year residency positions only	33	33	
C. Post Doctoral Fellows	44		
D. Other _____			
_____			
_____			

Percent of Faculty Effort in:

TEACHING Undergraduates	11.8 *
Post M.D. students	20.1
Others	1.8
RESEARCH	27.8
SERVICE	24.8
ADMINISTRATION (including committees)	13.7
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 19%

* A more accurate percentage is represented by combined undergraduate and post M.D. teaching. 11.8% represents undergraduate teaching in absence of house staff, while most student teaching occurs with house staff present.

XVI. DATA BASE: Clinical Department

Department OB/GYN Date of Survey June 3, 1977

Chairman Charles A. Hunter, Jr., M.D. Year of Birth 1922

Yr. Appointed Chairman 1969 Yr. Appointed to Faculty 1969

Sources of terminal degree(s) A.B., U of Kansas '44
M.D., U of Kansas '46

Prior academic positions, years Chmn. U of Wash. '61 - '69; Assoc. Prof. I.U. '59-'61; Asst. & Assoc. Prof., U of Kansas '53-'59

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	8	7	2	--
Asso. Prof.	1	1	--	--
Asst. Prof.	6	--		6
Instructor				1
Others				

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	13	2040
Classrms. & Conf. Rms.	4	1350
Research Laboratories	9	5100
Other		
TOTAL		

Budget Funds Available to Dept.:

		1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:	Capitation	259,182	-0-
1. Sponsored Projects	Other	$ 9,000	9,226
2. Unrestricted grants & gifts		253,895	174,837
3. Other		155,917	233,755
Subtotal		$ 677,994	417,818
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources		$	
Subtotal (income)		$	
C. UNIVERSITY BUDGET FUNDS:			
1. Salaries (professional, clerical, & technical)		$ 255,868	530,382
2. Supplies & equipment		23,000	18,800
3. Research support		-0-	-0-
Subtotal (university funds)		$ 278,868	549,182
TOTAL FUNDS		$ 956,862	967,000

*If the dept. has a practice plan arrangement which differs from a school-wide

Department of Obstetrics and Gynecology

The 1971 survey team was impressed by the concern of the Department of Obstetrics for undergraduate teaching, particularly in regard to the department's interest in the development and innovative use of audio-visual aids and its concern for the control of the quality of electives being offered in outlying hospitals. In 1971, the department had 9 full-time faculty and a budget of $1.1 million. At present the department has 15 full-time faculty members and a budget of $956,862.

The self study reports that the department is adequately staffed and that it has an excellent and well-organized teaching program. Clinical weaknesses relate to the relatively few obstetrical patients available for teaching.

The survey team met with Charles A. Hunter, M.D., chairman of the department. Dr. Hunter discussed the course offerings including extensive use of audio-visual aids. He agreed that the low number of obstetrical patients and the large number of students is cause for concern.

The survey team was impressed with the quality of the department's building space; it agrees with the assessment of the department provided in the self study. In particular, the team commends the department and its chairman for the innovations in teaching methods for which the department is noted.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	615
Elective Subjects	82
B. Medical students from other schools	

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	16	15	1
B. First year residency positions only	6	5	1

C. Post Doctoral Fellows	0
D. Other Physician Continuing Education (Formal Courses)	50+
Physic. Cont. Ed. (Ongoing Conferences)	150+
Visiting Prof. Lectures (Off Campus)	700 to 1,000

Percent of Faculty Effort in:

TEACHING Undergraduates	25%
Post M.D. students	25%
Others	4%
RESEARCH	16%
SERVICE	20%
ADMINISTRATION (including committees)	10%
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 5%

Department Pediatrics — Date of Survey Sept., 25-29, 1977

Chairman Morris Green — Year of Birth 1922

Yr. Appointed Chairman 1967 — Yr. Appointed to Faculty 1957

Sources of terminal degree(s) M.D., Indiana University School of Medicine

Prior academic positions, years Instructor in Pediatrics, University of Illinois College of Medicine, 1949-1952; Assistant Prof. of Pediatrics, Yale Univ., School of Medicine 1952-57; Associate Prof. of Pediatr: I.U. School of Medicine, 1957-63; Prof. of Pediatrics IUSM, 1963-present; Chairman of Pediatrics, IUSM, 1967 - present.

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	8	8	1	0
Asso. Prof.	4	1	3	3
Asst. Prof.	12	1	1	9
Instructor	2	0	0	2
Others	2	0	0	48

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	38	4,000
Classrms. & Conf. Rms.	5[a]	1,885
Research Laboratories	25[b]	7,000
Other	17	1,200
TOTAL	85	14,085

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects — Capitation	125,469	
Other	$ 944,981	975,000 Other
2. Unrestricted grants & gifts	37,167	40,000
3. Other	462,833	460,000
Subtotal	$ 1,570,450	1,473,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 464,663	610,000
2. Supplies & equipment	38,686	40,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 503,349	650,000
TOTAL FUNDS	$ 2,073,799	2,123,000

[a] Shared usage, Riley Hospital

[b] Includes direct support areas for equipment and glassware washing facilities

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Pediatrics

The Department of Pediatrics has 28 full-time faculty and a budget of $2,073,799 of which $1.5 million is from non-university sources. In 1971 the department had 20 full-time faculty and a budget of $955,000. At present there are 41 residents; in 1971 there were 20. The self study (page 47) describes the quality of the faculty in teaching and patient care as the major strength of the department. It notes that a few members of the faculty carry the major research load and that there is need for additional teaching beds.

The survey team's interview with the department chairman, Morris Green, M.D., revealed that students at Indiana select pediatrics as their specialty in greater numbers than the national average. The group of students selecting pediatrics is the second largest group at the School of Medicine. The chairman regarded this fact as an indication of the quality of teaching in the department. He notes that about 50% of the department's effort goes into teaching.

The chairman reported also that the department's clinical practice plan would generate about $500,000 during the current year. About 7% is allocated to the Dean's office.

The survey team visited the pediatrics facilities in the University Hospitals. The team is satisfied that the department provides education and patient care of a very high order.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	311
Elective Subjects	162
B. Medical students from other schools	1

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	26	23	
B. First year residency positions only	7		
C. Post Doctoral Fellows		1	
D. Other			

Percent of Faculty Effort in:

TEACHING Undergraduates	40%
Post M.D. students	30%
Others	--
RESEARCH	10%
SERVICE	15%
ADMINISTRATION (including committees)	5%
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 8%

Department Psychiatry Date of Survey 4/14/77

Chairman Hugh C. Hendrie, M.B., Ch.B. Year of Birth 4/4/36

Yr. Appointed Chairman 1975 Yr. Appointed to Faculty 1975

Sources of terminal degree(s) M.B. Ch.B. - Faculty of Medicine, University

Inst. & Teaching Lafayette Clinic & Wayne St. U.

Prior academic positions, years 1967-68; Fellow in Psych. Detroit, MI
Asst. Prof. Psych. U. of Manitoba, 1968-70; Asst. Prof. Psych. Wayne St. U. 1970-71; Assoc. Prof. Psych Wayne St. U. 1971-75.

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	15	15	7	6
Asso. Prof.	7	6	7	17
Asst. Prof.	10	2	5	79
Instructor	0	-	-	6
Others				

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	70	23,815
Classrms. & Conf. Rms.	4	1,400
Research Laboratories	38	11,150
Other	10	3,050
TOTAL	122	39,415

Budget Funds Available to Dept.:

	1976-77 Capitation	1976-77 Other	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:			
1. Sponsored Projects		$ 610,789	610,000
2. Unrestricted grants & gifts		8,280	10,000
3. Other		94,720	93,000
Subtotal		$ 713,789	713,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources		$	
Subtotal (income)		$	
C. UNIVERSITY BUDGET FUNDS:			
1. Salaries (professional, clerical, & technical)		$ 1,059,250	1,150,000
2. Supplies & equipment		149,564	100,000
3. Research support			
Subtotal (university funds)		$ 1,208,814	1,250,000
TOTAL FUNDS		$ 1,922,603	1,963,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department Ophthalmology Date of Survey 4/15/77

Chairman Fred M. Wilson, M.D. Year of Birth 1914

Yr. Appointed Chairman 1954 Yr. Appointed to Faculty 1951

Sources of terminal degree(s) A.B., Indiana University 1936

M.D., Indiana University 1939

Prior academic positions, years 1948-49 Instructor - University of Illinois College of Medicine

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	4	4		5
Asso. Prof.	1		1	2
Asst. Prof.	5	2		4
Instructor				3
Others				31

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs		2,178
Classrms. & Conf. Rms.		500
Research Laboratories		981
Other		7,995
TOTAL		11,657

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation	$ 197,384	-0-
2. Unrestricted grants & gifts	158,887	144,000
3. Other	90,000	100,000
Subtotal	$ 446,271	244,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 122,871	350,000
2. Supplies & equipment	15,000	16,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 137,871	366,000
TOTAL FUNDS	$ 584,142	610,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Psychiatry

The Department of Psychiatry has 32 full-time faculty members, and a budget of $1.9 million. In 1971 the department had 26 full-time faculty members and a budget of $1.7 million. The department has 21 residents, including 4 foreign medical graduates and 3 post-doctoral fellows. The self study (page 48) indicates that the department has a shortage of staff and that the department's research effort and its continuing medical education activities suffer as a result.

The survey team met with the chairman of the department, Hugh C. Hendrie, M.B.,Ch.B., and with the coordinator for undergraduate teaching, Nancy A. Roeske, M.D. The interview included a discussion of the undergraduate teaching program of the department. The overall objective in undergraduate medicine is to provide a foundation of psychiatric information and clinical experiences which will develop the diagnostic and therapeutic skills essential to functioning as a primary care physician. The department teaches in all four of the undergraduate years and has developed an excellent review system which makes use of student input in modifying courses and in improving teaching skills.

Members of the department would like more time for instruction in the first year; they would like to integrate the material on human sexuality better by locating it at a different place in the curriculum. They are concerned that students in the medical education centers do not receive adequate instruction in psychiatry.

The Department of Psychiatry is at present geographically located on the periphery of the Medical Center and faculty is scattered in all the hospitals. The department would like a more central location for offices, and would like, as well, for a larger percentage of the staff to be located in one place.

The impression of the survey team is that the department is an excellent one with a strong interest in undergraduate teaching.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	301
Elective Subjects	143 students 268 units
B. Medical students from other schools	4

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	41	41	0
B. First year residency positions only	16	16	0
C. Post Doctoral Fellows		9	
D. Other _____			
_____			
_____			

Percent of Faculty Effort in:

TEACHING Undergraduates	50%
Post M.D. students	
Others	
RESEARCH	15%
SERVICE	33%
ADMINISTRATION (including committees)	2%
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 9-10%

XVI. DATA BASE: Clinical Department

Department Radiology Date of Survey April, 1977

Chairman Eugene C. Klatte, M.D. Year of Birth 1928

Yr. Appointed Chairman 1971 Yr. Appointed to Faculty 1971 - Present

Sources of terminal degree(s) Indiana University - M.D.

Residency Radiology - Univ. of California

Prior academic positions, years 1957-62 - Inst. to Assoc. Prof., IUSM;

1962-71 - Prof. and Chairman, Vanderbilt Univ.

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	6	6	0	1
Asso. Prof.	5	3	0	1
Asst. Prof.	17	0	0	2
Instructor	6	0	0	0
Others	0	0	0	0

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	16	
Classrms. & Conf. Rms.	5	
Research Laboratories	2	
Other		
TOTAL		

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation	$ 199,594	-0-
2. Unrestricted grants & gifts	-0-	-0-
3. Other	1,959,016	2,000,000
Subtotal	$ 2,158,610	2,000,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 347,673	561,000
2. Supplies & equipment	5,940	6,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 353,613	567,000
TOTAL FUNDS	$ 2,512,223	2,567,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Radiology

At the time of the 1971 survey, the chairman of the Department of Radiology had just resigned and the faculty who met with the survey team complained about the shortages of staff, space, and equipment. It was reported that promises of additional staff had been made in recruiting a new chairman. At that time the department had 12 full-time faculty members and a budget of $1.3 million.

The survey team met with Vernon Vix, M.D., Chief of the Section on Pulmonary Radiology, in the absence of the chairman, Eugene A. Klatte, M.D.

At present the department has a full-time staff of 34 and a budget of $2.5 million, including $2.1 million in non-university funds. The department has 30 residents including 2 foreign medical graduates.

The self study reports (page 48) that the department has an adequate number of patients, that it offers excellent education programs, including continuing medical education programs. The self study adds that commitments to teaching and service leave little time for research and that additional staff is needed to strengthen teaching and research programs.

The survey team agrees with the assessment of the department included in the self study (see page 48).

Total Teaching Activities of the Dept.:

	Number of students per academic year		
1. Undergraduate Medical Education			
A. Medical students from this college: Required Subjects	935		
Elective Subjects	54		
B. Medical students from other schools	---		
2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	35	21	4
B. First year residency positions only	12	10	-
C. Post Doctoral Fellows	3		
D. Other Psychology Interns	5		

Percent of Faculty Effort in:

TEACHING Undergraduates	20%
Post M.D. students	25%
Others	
RESEARCH	20%
SERVICE	20%
ADMINISTRATION (including committees)	15%
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 5-6%

Department Radiation Oncology Date of Survey April 15, 197

Chairman Ned B. Hornback, M.D. Year of Birth 1931

Yr. Appointed Chairman 1970 Yr. Appointed to Faculty 1965

Sources of terminal degree(s) University of Wisconsin School of Medicine

Prior academic positions, years

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	1	1		
Asso. Prof.	2	1		
Asst. Prof.	3	1		
Instructor				
Others				

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	6	2,000
Classrms. & Conf. Rms.	2	580
Research Laboratories	1	1,000
Other	1	250
TOTAL	9	3,730

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation	$ 51,324	-0-
2. Unrestricted grants & gifts	10,500	11,000
3. Other	58,700	60,000
Subtotal	$ 120,524	71,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 180,601	237,000
2. Supplies & equipment	1,900	2,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 182,501	239,000
TOTAL FUNDS	$ 303,025	310,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Radiation Oncology

In 1971, the Department of Radiation Oncology had been formed only recently. The survey report notes only that it offered four lectures during the sophomore year and offered elective courses in radiotherapy and radiation physics.

The self study is severe in its judgment of the department stating as follows:

> "The Chairman is the only U.S. medical school graduate (in the department) and the department does not benefit from an appreciable mixture of U.S. medical graduates on its faculty.
>
> Strengths of the department are the radiation equipment... and the broad spectrum and large volume of patient referrals which could provide the basis for a strong residency training program. Weaknesses of the department include the lack of an adequate staff in terms of both quality and quantity, the marginal caliber of the residents, and the relative absence of a significant research program. This is a service-oriented department of marginal performance with major needs to improve the quality and size of the faculty, and to upgrade the quality of the training program for residents and teaching program for students."

The Department of Radiation Oncology at present has 6 faculty members including the chairman, and a budget of $303,025, of which $120,524 comes from non-university sources. The department has 6 residency positions, all filled with foreign medical graduates. It is engaged in the education of allied health personnel and has submitted a proposal for a degree program in radiation therapy technology. The chairman pointed out that 70% of all cancer patients require radiation therapy. About 200 patients are referred to the department each year.

The conference with the chairman of the department, Dr. Hornbeck, revealed that the department has no responsibility for the education of undergraduate medical students and consequently, no exposure to them, which perhaps accounts, in part, for the department's difficulty in recruiting graduates for its residency program.

United States graduates are not attracted to radiation oncology as a specialty; consequently, the field is heavily dependent upon foreign medical graduates. The recent legislation concerning foreign medical graduate immigration will severely affect the field of radiation oncology.

In defense of his department's research record, Dr. Hornbeck reported that the department has at least 12 research protocols with other institutions. Dr. Hornbeck reported also that the department has excellent relationships with the Medical Oncology Department and with the Department of Otolaryngology.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	Freshman-Radiology Anatomy/All Sophmores-Introd. to Med/All Juniors-Consultations & Inter-department Conference/All
A. Medical students from this college: Required Subjects	
Elective Subjects	Radiology Clerkship/14 students per month
B. Medical students from other schools	

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	30	28	2
B. First year residency positions only	10	10	0
C. Post Doctoral Fellows			
D. Other Post-graduate Radiopharmacy Fellowship funded by Lilly			

Percent of Faculty Effort in:

TEACHING Undergraduates	15
Post M.D. students	20
Others	-0-
RESEARCH	10
SERVICE	50
ADMINISTRATION (including committees)	5
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 5%

Department Surgery Date of Survey April 7, 1977

Chairman John E. Jesseph, M.D. Year of Birth 11/6/25

Yr. Appointed Chairman 1971 Yr. Appointed to Faculty 1971

Sources of terminal degree(s) M.D., U. of Washington, Seattle, WA 1953

Prior academic positions, years See attached (page 2)

Faculty:

	Full Time	Number Tenured	Part Time	Vol.
Professor	12	12	1	5
Asso. Prof.	8	7	2	7
Asst. Prof.	6	0	6	30
Instructor	00	00	0	0
Others	0	0	0	14

Dept. Assigned Space: (other than clinical beds)

	No.	Sq. Ft.
Faculty Office & Labs	57	10,940
Classrms. & Conf. Rms.	3	1,313
Research Laboratories	16	7,505
Other		
TOTAL	76	19,758

Budget Funds Available to Dept.:

	1976-77	Estimates for Current Year
A. NON-UNIVERSITY FUNDS:		
1. Sponsored Projects Capitation Other	$ 28,987 113,023	50,000 Other
2. Unrestricted grants & gifts	216,963	230,000
3. Other	278,037	310,000
Subtotal	$ 637,010	590,000
B. FACULTY GENERATED FUNDS: (income from academic or clinical services* provided by departmental members) indicate sources	$	
Subtotal (income)	$	
C. UNIVERSITY BUDGET FUNDS:		
1. Salaries (professional, clerical, & technical)	$ 913,945	994,000
2. Supplies & equipment	42,300	45,000
3. Research support	-0-	-0-
Subtotal (university funds)	$ 956,245	1,039,000
TOTAL FUNDS	$ 1,593,255	1,629,000

*If the dept. has a practice plan arrangement which differs from a school-wide plan, please attach a copy of the plan.

Department of Surgery

The Department of Surgery has 26 full-time faculty members and a budget of $1.6 million. In 1971 the department had 12 full-time faculty and a budget of $410,000. At present, the department has 42 filled residency positions.

The self study (page 49) states that the Department of Surgery suffered from "incomplete integration and inadequate development at the Veteran's Hospital." It indicates that there has been improvement in the organization and delivery of educational material, but that a major weakness is "lack of scholarly activity and basic research."

The survey team met with John E. Jesseph, M.D., Chairman of the Department of Surgery. Dr. Jesseph reported that the department is divided into five sections -- general surgery, pediatric surgery, plastic surgery, neurosurgery, and cardio-thoracic surgery. Other branches of surgery have formed separate departments. Dr. Jesseph cooperates with them in coordinating the educational program in surgery. Each section operates it own practice plan; there are no complaints about low salaries.

Dr. Jesseph is concerned about funds for research, particularly for the use of residents. A private fund provides $250,000 per year for research in pediatric surgery, and he has obtained $50,000 a year from Indianapolis firemen for the Burn Center; he hopes to raise additional funds privately.

No faculty time is indicated in the Data Base as being devoted to undergraduate teaching. Dr. Jesseph reported that this is inaccurate and that he and his staff spend three to four hours a day "in teaching at various levels." In addition to graduate and undergraduate medical education, they are deeply involved in continuing medical education.

Dr. Jesseph expressed a wish to have his faculty located in a single facility, although admitting that having them dispersed did not present insurmountable problems. He also expressed the opinion that the school might benefit from a modest reduction in the size of the student body. He felt that more students should not be assigned to the University Hospitals and that it was not appropriate to teach them in private community hospitals.

In the view of the survey team, the Department of Surgery conducts a strong educational program under the capable direction of its chairman.

Total Teaching Activities of the Dept.:

	Number of students per academic year
1. Undergraduate Medical Education	
A. Medical students from this college: Required Subjects	-
Elective Subjects	1 +
B. Medical students from other schools	

2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	6		6
B. First year residency positions only	2		2
C. Post Doctoral Fellows			
D. Other _____			
_____			
_____			

Percent of Faculty Effort in:

TEACHING Undergraduates	5%
Post M.D. students	30%
Others	
RESEARCH	5%
SERVICE	50%
ADMINISTRATION (including committees)	10%
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 1

a considerable degree of variation in some respects but the student responses to the centers is uniformly favorable. Leadership by the directors has been spirited, and the faculty displays considerable degree of independence in curriculum development. Recently, medical center department chairmen have had annual workshops for the exchange of ideas and examination of materials, as well as the development of course objectives, goals, and content. This coordinating effort should be encouraged in order to utilize better the splendid resources in the system.

Students from the various medical education centers achieve comparable scores on Parts I and II of the examinations of the National Board of Medical Examiners. This has been cited as the best objective evidence that the educational effort has been successful. Additionally, faculty in the clinical years indicate that they are unable to distinguish between students who had their first year at one of the centers and those who had their first year at Indianapolis. In the view of the team, the experiment in medical education which the centers represent merits continued support. The team strongly encourages the initiation of further longitudinal, objective studies of student performance and community impact, including, for example, measurements of cognitive versus non-cognitive talents, performance in residency training, differences in career choices, completion of specialty training, achievement of board certification, final location in practice, etc.

In general, observations of the team confirm the findings detailed in the self study task force report. Evansville, Lafayette (Purdue), and Muncie (Ball State) have made excellent starts while Fort Wayne seems to have considerable potential. South Bend and Terre Haute are performing creditably. Two campuses seem to present pressing problems which call for skill, tact, and resources in their resolution:

A. Bloomington presents two types of problems:

   i. Academic: There is evidence of considerable unrest and discontent among the faculty members who perceive the loss of identity and scholarly status of their long-established programs of graduate studies in the basic sciences, and the combined M.D./Ph.D. degree program, as faculty are isolated and lose input into curriculum and school decision-making; and

   ii. Physical plant: The handsome old stone building which houses this center has an interior which is dilapidated and literally falling to pieces in places, and which is simply not maintained to the standard observed on every other campus of this distinguished university which was visited. Even in the tiny lounge area, students must share space with shelves loaded with dusty glass jars of preserved specimens.

B. Gary (Northwest Center) appears impoverished, isolated, and deprived. Intellectual life there must be Spartan indeed, with crowding, an inadequate library, and an unfavorable

Total Teaching Activities of the Dept.: Surgery

	Number of students per academic year		
1. Undergraduate Medical Education			
A. Medical students from this college: Required Subjects	310		
Elective Subjects	95		
B. Medical students from other schools	5		
2. Graduate Medical Education	Offered	Filled US & Can.	Filled FMG
A. Total residency positions	45	42	
B. First year residency positions only	21	21	
C. Post Doctoral Fellows			
D. Other _____			
_____			
_____			

Percent of Faculty Effort in:

TEACHING Undergraduates	
Post M.D. students	55%
Others	5%
RESEARCH	10%
SERVICE	10%
ADMINISTRATION (including committees)	20%
TOTAL	100%

Estimate the percent of medical students who have chosen your specialty as a career during the past five years. 10%

17. The team feels that the school's information storage and data retrieval systems are of great benefit to the institution's programs and are effectively utilized.

18. The foresight shown in developing plans and suitable alternatives vis-a-vis the Indiana University Master Plan is to be commended.

19. Almost all the students in the centers for medical education were interviewed, as well as a considerable number of students based at the Medical Center in Indianapolis. They voiced a number of concerns, even as they evidenced loyalty to, and enthusiasm for, the system, and particularly for the small group teaching contacts in the centers: (a) student counseling seemed scanty and at times less than optimal; (b) students desired a better flow of more dependable school and course information and resource materials; (c) students in Gary did not believe any student health resources were available; (d) some students reported having found that procedures for getting financial aid were bureaucratic and frustrating; (e) in several centers lounge and locker areas were inadequate or lacking altogether; (f) students were concerned and even incensed about the faculty's failure to make "required" comments on their evaluations; and (g) they asked for some exposure to materials and discussion on social and economic issues in medicine today, medical ethics, etc., to leaven the heavy load of highly technical information provided by the curriculum.

20. A number of miscellaneous items warrant brief identification in order that they may receive consideration and development in the future.

    A. In view of the recent agreement concerning Medical Center hospital privileges, it is hoped that there will be an early resolution of problems in family medicine.

    B. Faculty salaries should be competitive in order to facilitate recruiting and retaining faculty.

    C. Experience elsewhere has shown the importance of an equitable faculty practice plan(s) under the supervision of the Dean and with adequate accountability.

    D. It is hoped that the school will take advantage of the fine staff and facilities of the Department of Radiation Oncology.

    E. In the opinion of the survey team, too heavy a reliance has been placed on the NBME examinations. The progressive improvement in student performance on these exams is gratifying; however, the school should be encouraged to seek innovative and imaginative additional evaluation procedures.

SUMMARY

1. The survey team expresses its thanks and appreciation to Dean Beering and his staff and to the faculty for their excellent presentations, their careful attention to the team's requests, and for their remarkable hospitality which has made the site visit easier and more pleasant than would have been the case otherwise.

2. The Indiana University School of Medicine is a large, vigorous, and very impressive unit in a fine institution. There is no question in the minds of the team that Dean Beering has provided the vision and the capable leadership which have given the impetus for the school's development in the 1970's. The Dean's broad contacts, his many positions of responsibility, and his wide range of accomplishments make him the unquestioned leader and chief architect of medical education at all levels in Indiana today. In light of this, particularly in recognition of his broad responsibilities for several other organizational units in the University, it would seem desirable and fitting for the University to broaden his appointment.

3. Thanks also go to Dean Beering's staff, faculty, and students for their unflagging efforts to supply the data and other information requested by the team in its investigations. Their patience and candor were greatly appreciated and give evidence of the high morale which exists throughout the school.

4. In the opinion of the team, the great quantity of required staff work for the efficient operation of an educational institution so dispersed and so complex supports the Dean's need for additional help at an appropriate level for academic affairs, continuing medical education, graduate studies, and research.

5. An excellent faculty supports the direction of the school and its program. It has been noted, however, that in certain places there are weaknesses and unrests which deserve early attention. In particular, organizing a program of faculty development is to be commended; its vigorous implementation is encouraged.

6. With regard to the problems cited in the report of the last survey team, many have been corrected either partially or totally, while substantial progress has been made in others. These actions are commended; they should be continued.

7. The self study task force report provides evidence of much careful consideration of the school's programs and points the way to useful modifications. It has made the task of this team immeasurably easier.

8. The concept of providing medical education through centers located throughout the state has been implemented boldly, shrewdly, and effectively. All of the centers for medical education were visited and in most instances they appear to be operating satisfactorily. There is

10:15-12:00 Noon - Team meets with Associate Deans Carter, Moore, Lukemeyer and Assistant Dean Ficklin and Chairpersons of the following committees: Education Committee, Academic Standards Committee, Student Promotions Committee, Admissions Committee, and Dr. Richard Powell

Student Admissions, Enrollment and Education Program

Brief description of the principal components of the educational program leading to the M.D. degree; Electives

Evaluation of student performance; academic counselling efforts

Evaluation of the curriculum; basic science and clinical resources, multiple-media-audio-visual-computer use in the curriculum, etc.

12:15 - Lunch with Executive Committee of the Medical School

1:30-3:00 p.m. - Team Tour - I.U.M.C. Hospitals and Facilities

3:00-3:15 p.m. - Break

3:15-5:00 p.m. - Team meets Committee Chairpersons - Steering Committee, Biomedical Research Committee and Faculty Promotions Committee

III. Tuesday, September 27, 1977

Team divides itself into three teams of two. Teams A - B - C.

7:30 a.m. - School representative meets Team B and transports them to airport.

8:00 a.m. - School representative meets Teams A and C at hotel entrance and transports them to Medical School.

8:30-11:45 a.m. - Team A - REVIEW OF DEPARTMENTS

Physiology Department-Drs. Selkurt & Knoebel

Biochemistry Department-Dr. David Gibson

Anatomy Department-Dr. Charles Blevins

Neurology Department-Dr. Mark Dyken

Team C - Medicine Department-Dr. Walter Daly

Pediatrics Department-Dr. Morris Green

Surgery Department-Dr. John Jesseph

Family Medicine Department-Dr. A. Alan Fischer

Team B - Fly to Gary, Indiana in University plane to review Northwest Center for Medical Education

geographic location. It will take more than a building twice as large as the present one to provide students assigned with an academic atmosphere approaching that existing at the other centers.

If the curriculum is to be extended through the second year in other centers than Indianapolis and Bloomington, such extensions should be limited to additional centers selected only after careful consideration is given to available resources, programs and personnel. The LCME should be advised of these plans before they are implemented.

9. Other aspects of the undergraduate medical education program seem substantial and satisfactory. Everyone seems to agree that the Introduction to Clinical Medicine in the second year is an outstanding example of interdisciplinary teaching.

10. Graduate education is of three types: (a) the combined M.D./Ph.D. program at Bloomington for which that faculty would like more support, (b) residency training which has been organized splendidly and financed by the Indiana Medical Education Board under the chairmanship of the Dean, and (c) graduate education programs for the entire state.

11. Continuing medical education: The extensive, state-wide TV network housed at the Medical Center in Indianapolis is remarkable for its performance and capability. Encouragement should be given to its further, more effective, extension into the undergraduate curriculum. Lack of assessment of physician needs in continuing medical education programming is evident. The actual use of TV network outlets should be monitored.

12. As mentioned previously, except for Bloomington, physicial facilities are generally first-class. It is the opinion of the team that early construction of the library and educational resources building in Indianapolis will enhance both the campus and curriculum. Several departments, such as orthopedic surgery, have what would appear to be appropriate plans for remodeling to permit more effective outpatient teaching and/or patient care. It is the opinion of the survey team that the animal quarters will need to be upgraded in order to be accredited by the American Association for Accreditation of Laboratory Animal Care.

13. Indianapolis and environs appear rich in clinical resources and the team ventures the opinion that these should be used more extensively for student clerkships, etc.

14. The Departments of Medicine, Pediatrics, Obstetrics-Gynecology, Psychiatry, and Medical Genetics make great contributions to the school's effort.

15. The team is impressed by the sound financial base provided by the legislature, supplemented by private philanthropy.

16. Research activity has shown impressive increases since the last survey; it should be continued and expanded.

17. The team feels that the school's information storage and data retrieval systems are of great benefit to the institution's programs and are effectively utilized.

18. The foresight shown in developing plans and suitable alternatives vis-a-vis the Indiana University Master Plan is to be commended.

19. Almost all the students in the centers for medical education were interviewed, as well as a considerable number of students based at the Medical Center in Indianapolis. They voiced a number of concerns, even as they evidenced loyalty to, and enthusiasm for, the system, and particularly for the small group teaching contacts in the centers: (a) student counseling seemed scanty and at times less than optimal; (b) students desired a better flow of more dependable school and course information and resource materials; (c) students in Gary did not believe any student health resources were available; (d) some students reported having found that procedures for getting financial aid were bureaucratic and frustrating; (e) in several centers lounge and locker areas were inadequate or lacking altogether; (f) students were concerned and even incensed about the faculty's failure to make "required" comments on their evaluations; and (g) they asked for some exposure to materials and discussion on social and economic issues in medicine today, medical ethics, etc., to leaven the heavy load of highly technical information provided by the curriculum.

20. A number of miscellaneous items warrant brief identification in order that they may receive consideration and development in the future.

    A. In view of the recent agreement concerning Medical Center hospital privileges, it is hoped that there will be an early resolution of problems in family medicine.

    B. Faculty salaries should be competitive in order to facilitate recruiting and retaining faculty.

    C. Experience elsewhere has shown the importance of an equitable faculty practice plan(s) under the supervision of the Dean and with adequate accountability.

    D. It is hoped that the school will take advantage of the fine staff and facilities of the Department of Radiation Oncology.

    E. In the opinion of the survey team, too heavy a reliance has been placed on the NBME examinations. The progressive improvement in student performance on these exams is gratifying; however, the school should be encouraged to seek innovative and imaginative additional evaluation procedures.

SUGGESTED SCHEDULE FOR
INDIANA UNIVERSITY SCHOOL OF MEDICINE
LCME ACCREDITATION VISIT
September 26-30, 1977

I. Sunday, September 25, 1977

Late Afternoon - Team members arrive at Hyatt Regency - Indianapolis

5:30-7:30 p.m. - Team executive working session (Dr. Haviland's suite)

7:30 p.m. - Dinner

II. Monday, September 26, 1977

8:00 a.m. - Dr. Beering and Dr. Lukemeyer pick up team at hotel entrance and transport them to School

8:30-10:00 a.m. - Team meets with Dean Beering

AGENDA

Review of strengths and weaknesses of the School; changes since last LCME survey

Discussion of principal findings of Institutional Self-Study Task Force

Check list of important items

Review of organizational pattern

- Dean's staff
- Departments, Divisions, Institutes, etc.
- Faculty Committees; Status of Bylaws
- Governance
- Relationships of Dean to other administrative components of the institution

Finances, including current and projected budgets, faculty salaries and fringe benefits

Status of research funding
Facilities, education and clinical
Library
Students - admissions, enrollments, projections, attrition

10:00-10:15 a.m. - Break

APPENDICES

12:00 Noon - Teams A & C - Lunch with Junior Faculty

1:15-5:00 p.m. - Team A - REVIEW OF DEPARTMENTS

Obstetrics and Gynecology Department-Dr. Charles Hunter

Radiology Department-Dr. Eugene Klatte

Radiation Oncology-Dr. Ned Hornback

Anesthesiology Department-Dr. Robert Stoelting

Team C - Pathology Department-Dr. Joshua Edwards

Psychiatry Department-Dr. Hugh Hendrie

Clin. Pathology-Dr. Carleton Nordschow

Microbiology Department-Dr. William Sawyer

Team B - Fly from Gary to South Bend to review South Bend Center for Medical Education at the University of Notre Dame

IV. Wednesday, September 28, 1977

Team again divides itself into three teams of two. Teams D - E - F.

7:00 a.m. - School representatives meet teams at the hotel entrance and transport them to destinations as follows:

Team D - Departs from Airport at approximately 7:30 a.m. Fly to Evansville in University plane to review Evansville Center for Medical Education

Team E - Drive to Terre Haute to review Terre Haute Center for Medical Education at Indiana State University

Team F - Drive to Muncie to review Muncie Center for Medical Education at Ball State University

12:00 Noon - Lunch

1:00-5:00 p.m. - Team D - Fly to Lafayette to review the Lafayette Center for Medical Education at Purdue University

Team E - Drive to Bloomington to review the Medical Sciences Program

Team F - Drive to Fort Wayne to review Fort Wayne Center for Medical Education