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1963-64

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UNIVERSITY OF ILLINOIS

HEALTH SERVICES
ANNUAL REPORT
1963-1964

ORVILLE S. WALTERS, M.D.
Director of Health Services

Champaign-Urbana, Illinois

TABLE OF CONTENTS

DIVISION OF CLINICAL MEDICINE	1
Students	1
Tuberculosis Detection	2
Dental Health	2
Cardiac Follow-up	2
Employees	3
McKinley Hospital	3
Inpatients	3
Emergency Patients	4
Improvements	4
Medical Staff	5
 DIVISION OF MENTAL HEALTH	 5
Group Therapy	5
Consultative Services	5
Preventive Psychiatry	6
 DIVISION OF ENVIRONMENTAL HEALTH	 6
Food Production	6
Water and Sewage	6
Review of Building Plans	6
Occupational Health	6
Accidental Injuries	7
 DIVISION OF HEALTH SCIENCE	 7
Undergraduate	7
Social Work	7
Television Instruction	8
Psychology	8
Correspondence Course	8
 Research.	 8
 Rehabilitation-Education Center	 9
 Accident Compensation Committee	 10
 State Universities Retirement System	 11
 Index of Statistical Tables	 12

ANNUAL REPORT

1963-64

To the President of the University:

The following report presents a narrative summary of Health Service activities for the year, followed by analysis and tabulation of specific operations.

DIVISION OF CLINICAL MEDICINE

To meet enlarged responsibilities due to increase in student enrollment and other duties, an additional physician was authorized for the staff. Dr. Philip Vlastaris, who has had five and one-half years of residency in cardiology at the Cleveland Clinic, was appointed to fill the new position on August 1, 1964. To take the place of Dr. Robert Glenn who died December 5, 1963, Dr. Ralph Langsjoen was appointed on July 1, 1964.

Visits to the Health Center for all purposes during the past year total 68,630 which do not include 8,826 tuberculin tests given to new students as a part of the registration procedure in the Armory. This represents an increase of 12 per cent over the preceding year. A complete analysis of visits appears in Table 1.

The average number of daily visits for the first semester was 307 and for the second semester, 269. These are analyzed more completely in Table 2. The distribution of visits was as follows:

Students	55,871	81.4%
Staff	12,067	17.6%
Visitors on campus	<u>692</u>	<u>1.0%</u>
Total	68,630	100.0%

Students

There were 55,871 student visits to the Health Center. Altogether, 17,352 different students visited the Health Center, or 70.0 per cent of the student population of 24,797. Of this number, 77.3 per cent consulted physicians by appointment and 22.7 per cent came to the clinic without appointment. These visits are classified as to purpose or type of pathology in Table 3. Immunizations administered appear in Table 4.

Visiting consultants examined 856 students, an increase of 28.7 per cent over last year, as follows:

	<u>1962-63</u>	<u>1963-64</u>
Orthopedics	271	409
Dermatology	209	273
Ear, Nose & Throat	<u>133</u>	<u>174</u>
Total	613	856

Of the 6,704 new students enrolled on the Urbana campus, 783 or 11.7 per cent had physical examinations made by the Health Service during the preregistration period, and 5,203, or 86.5 per cent, had physical examinations made by private physicians.

Tuberculosis Detection. Dr. Helen Sharp has carried the work of tuberculosis detection during the past year. This included follow-up studies of all persons with positive tuberculin reactions and suspicious X-ray chest films. The total number of skin tests administered was 13,695, of which 829 were positive. The number of 11 x 14 chest films ordered was 4,071, including continuing follow-ups on persons from the preceding year. Only 77 films were considered suspicious for tuberculosis, leading to 107 follow-up visits to the Health Center. Sixteen patients were placed on anti-tuberculosis medication. Six patients were hospitalized but only two were diagnosed as having active tuberculosis and withdrawn from school. Both were international students.

Dental Health. Only diagnostic and advisory dental service is provided. During the year a dental X-ray was installed for the first time in the Health Service. Of 1,208 examinations, 852 disclosed some pathology. Dental conferences represented 57 of the remainder and 299 routine examinations disclosed no pathology. The distribution of dental pathology appears in Table 5.

Cardiac Follow-up. All students whose physical examinations showed any suspicion of heart disease upon medical review were given a cardiac survey, including physical examination of the heart, chest film, and electrocardiogram.

The cardiac studies were conducted by Dr. Jean Boatright. During the year 324 EKG tracings were made for students and employees. Of these, 287 were normal. Thirty-seven of the tracings showed some abnormality. A summary of the EKG diagnoses follows:

Myocardial infarction	8
Pericarditis	6
Rheumatic heart disease	3
Congenital heart disease	3
Myocardial ischemia	2
Left ventricular hypertrophy	3
AV or bundle branch block	2
Auricular fibrillation	1
Sinus tachycardia	1
Other arrhythmias	5
Other abnormality	<u>3</u>
Total	37

Employees

The following medical services were provided for employees of the University:

Employment examinations	3,978
Repeat visits related to employment exam	2,638
On-the-job accident treatments	2,531
Influenza immunizations	887
Food handler X-rays	628
Permit to return to work	372
Non-clinical consultations	317
Mental Health consultations	170
Conference with nurse	151
Disability examinations	87
Dental examinations	35
Other visits	<u>273</u>
Total Employee Visits	12,067

McKinley Hospital

Inpatients. The total number of patients admitted to McKinley Hospital during the year was 2,094, compared with 2,051 the previous year, an increase of 2.2 per cent. The number of patient days was 7,291, compared with 6,487 for the preceding year, an increase of 12.4 per cent. The average daily patient load was 21.3, compared with 19.0 for the preceding year, an increase of 12.1 per cent. The maximum number of patients in any 24-hour period was 52. Departmental services are summarized in Table 12.

The average length of hospital stay for the year just closed was 3.46 days, compared with 3.17 days for the preceding year. This is believed to represent an increase in the number of patients with more complicated or severe illness being cared for in McKinley Hospital. This impression is consistent with clinical observation. A diagnostic summary appears in Table 8.

Health Service physicians provided hospital care for 66.9 per cent of McKinley Hospital patients, compared with 48.6 per cent the preceding year. Community physicians provided care for 33.2 per cent of McKinley Hospital patients, compared with 51.4 per cent for the preceding year.

Students made up 94 per cent of all patients, and staff members made up 2.1 per cent of the total. The remaining 2.9 per cent represented members of student and staff families, extension students, campus visitors, and non-University persons. A more detailed classification appears in Table 9.

Principal diagnoses for inpatients were grouped as follows:

Respiratory system	589
Infectious diseases	485
Digestive system	259
Injuries	256
Mental disorders	74
Skin and cellular diseases	56
All other conditions	<u>352</u>
Total	2,071

Emergency Patients. The number of patients reporting after closing of the Health Center for care in the McKinley Hospital emergency room increased to 3,716 from 3,261 last year, an increase of 13.9 per cent. Health Service physicians provided care for 91.3 per cent of these patients, community physicians 5.7 per cent, and hospital nurses 3 per cent. These off-hour visits have increased 424 per cent during the past six years, while the number of students has increased 142 per cent, as indicated in the following table:

1958-59	875
1959-60	1,539
1960-61	2,271
1961-62	2,730
1962-63	3,261
1963-64	3,716

Further classification of emergency patients appears in Tables 10 and 11.

Improvements. At the beginning of the present year, the Hospital began the use of plastic addressograph plates originated in the admitting office. These plates are embossed with the basic information about each patient. Throughout the hospital stay, the plate is used for imprinting all patient records and requisitions, providing increased accuracy, legibility, and saving of nursing time.

The standing olive green metal lockers formerly used for patient clothing were replaced by attractive wall-mounted maple closets for each bed. Twenty new over-the-bed patient tables were installed to replace worn and obsolete equipment. One private room was refurnished with an electric high-low bed for use with paraplegic or elderly patients. New vinyl floor tile was installed in patient rooms on the second floor and on the first floor emergency waiting room.

Three rooms on the first and third floors were redecorated to accommodate the sanitary engineer, the sanitarian, and the medical records office of the State Universities Retirement System. This expansion was necessitated by the lack of available office space in the Health Center.

Medical Staff. Six physicians were added to the McKinley Hospital medical staff during the year, and three names were withdrawn, one by death. The total number of physicians having formal staff membership at the close of the year was 123.

Rotation rosters of community staff members were maintained for both in-patients and emergency room patients having no choice of physician. Inpatients referred to a roster physician totaled 101; emergency patients referred to the roster totaled 23. In nineteen instances the next roster physician could not be located and was passed over. In six instances the roster physician declined to accept the patient.

DIVISION OF MENTAL HEALTH

The number of different patients consulting the Mental Health Division during the past year increased from 649 to 832, or 28.2 per cent. Total visits in the Division increased from 3,801 in 1962-63 to 3,970 in 1963-64, or 4.4 per cent. The increase of 28.2 per cent in number of patients without any increase in psychiatric staff made it necessary to reduce the number of visits available to each patient. This restriction is reflected in the number of patients receiving only one or two hours of therapy, 439 for this year compared to 308 last year, as detailed in Table 18. Types of service and the increase in service since establishment of the Division is shown in Tables 16 and 17.

The incidence of emotional difficulty leading to consultation with the Mental Health Division was 27.6 per thousand students, compared with 23.3 per thousand students during the year 1962-63. This increase in the proportion of students seeking mental health consultations is considered to reflect a broader utilization of psychiatric service. Comparative figures showing the proportion of Mental Health patients by classes and colleges appear in Table 13. Table 14 indicates sources of referral.

Personality disorders continue to be the chief diagnostic category, followed closely by psychoneurosis and transient situational personality disorders. Of 44 students receiving a diagnosis of psychosis, only 13 were dropped from school because of the severity of their illness. Table 15 indicates the complete classification of illness, and Table 19 the disposition of patients.

Group Therapy. Each of the three psychiatrists conducted a section of group therapy during the year, for a total of 74 sessions. Forty-two different students participated in these groups, for a total of 289 visits.

Consultative Services. Doctors Kiersch, Little, and Young continued to serve during the year as psychiatric consultants to the Psychological Clinic. Dr. Kiersch was psychiatric consultant to the Motivation and Behavioral Science project in the Department of Psychology. Health Service psychiatrists responded to a number of requests for consultation from community physicians when students were patients in other local hospitals.

Preventive Psychiatry. Nine meetings were held for residence hall deans and counselors with a total attendance of 470. Problems with individual students, as well as preventive psychiatric measures were considered in these sessions.

DIVISION OF ENVIRONMENTAL HEALTH

General. Dr. Laurence M. Hursh continued to direct Environmental Health activities on a one-third of full-time basis. Henry H. Koertge was appointed as sanitary engineer in the Environmental Health Division, serving throughout the year. Toward the end of the year, a sanitarian position was authorized but recruitment was not accomplished during the current year. With the appointment of a sanitary engineer, the Health Service now has available both time and technical competence to handle requests for assistance, as well as to provide routine inspections in the area of sanitary engineering. The appointment of a sanitarian will similarly meet a deficiency in general sanitation coverage.

Food Production. Service provided in this field during the past year consisted largely of responding to requests for investigation and assistance, pending the appointment of a sanitarian. Dr. Hursh and Mr. Koertge responded to requests for assistance in fraternities, sororities, residence halls, central food stores, the agricultural sales store, and stadium cold-drink operations. Inspection visits were made, recommendations were given, and appropriate technical assistance was provided in each of these situations.

Water and Sewage. During the year, Mr. Koertge made recommendations for the correction of water and sewage problems at the airport, the swine barn, and the Dynamics Testing Laboratory. Sanitary engineering counsel was provided for numerous departments and agencies on campus during the year as outlined in Table 20. Swimming pool operation was monitored and recommendations were made in response to a number of inquiries.

Review of Building Plans. Plans were reviewed by Dr. Hursh and Mr. Koertge for the following buildings: East Chemistry Addition, SG-3 Residence Hall, Civil Engineering Building, Morrill Hall Addition.

Dr. Hursh took exception to a backflow preventer recommended by the architect for use in the East Chemistry Addition and recommended instead either the barometric loop or surge tank. Emeritus Professor H. E. Babbitt, now a consulting sanitary engineer, was retained by the provost to resolve the question. He recommended the installation of a surge tank, with separate water supply to each floor.

Occupational Health. Numerous occupational health problems growing out of air pollution, radiation, and noise were handled. These are mentioned in Table 20. For more precise monitoring of conditions involving occupational health, the Health Service has acquired an audiometer and other equipment for noise survey, sound analysis, gas testing, and water analysis.

Accidental Injuries. Dr. Hursh was asked to serve on a committee of the American College Health Association to prepare a uniform system for colleges and universities for the reporting and analysis of campus accidents. The committee designed a form similar to that presently in use on this campus which is adapted for machine tabulation.

The analysis of accidents on this campus appears in Tables 6 and 7.

DIVISION OF HEALTH SCIENCE

During the past year, a Division of Health Science was formally established with Dr. Loren W. Akers as head. This places for the first time the responsibility for improving and maintaining excellence in instruction upon one individual. As head of a division within the Health Service, Dr. Akers also serves on the executive committee of the Health Service.

By action of the University Board of Trustees in May, 1964, "Health Science" replaces the term "Hygiene" in course names and academic titles. The change in name reflects the orientation of modern courses in health toward a more clearly articulated scientific base.

Undergraduate. The following table shows the courses offered at the undergraduate level by the Division of Health Science under the Health Service during the past year.

	First Semester		Second Semester		Summer Session		Total	
	Sec.	Stud.	Sec.	Stud.	Sec.	Stud.	Sec.	Stud.
104 The Science of Personal Health	16	457	12	347	--	--	28	804
110 Public Health	2	40	3	53	--	--	5	93
200 Mental Health	1	41	2	70	1	20	4	131
206 Sex Education and Family Life	6	256	8	377	1	44	15	677
216 Medical Terminology	<u>1</u>	<u>25</u>	<u>-</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>1</u>	<u>25</u>
Total	26	819	25	847	2	64	53	1730

Social Work. Dr. T. A. Kiersch, Director of the Department of Mental Health, collaborated in the teaching of three courses, Social Work 451, 452, 454, Dynamics of Human Development I, II, and III, respectively, in the Jane Addams School of Social Work during the year. Three second-year graduate students in the School of Social Work were assigned to the Mental Health Division throughout the year for field instruction in social casework. Their instruction was supervised by Mr. Wilbert Bentz, psychiatric social worker in the Health Service.

Psychology. Dr. T. A. Kiersch, Dr. Harry Little, and Dr. Charles R. Young rotated at the Psychological Clinic, conducting seminars and case conferences for graduate students in psychology and evaluating patients with or for graduate students during the year.

Television Instruction. Health Science 104 continues to be taught in part by television, with the first of two weekly hours devoted to a television lecture and the second hour spent in smaller discussion groups. Dr. H. R. Miller was the lecturer in thirteen television sessions and Dr. T. A. Kiersch in two sessions devoted to mental health. Dr. Miller has in part revised and retaped his television lectures on the basis of student and instructor evaluation. A study guide and workbook written by Professor Dunn was used this past year to facilitate student study and to insure greater uniformity of instruction.

Correspondence Course. During the current year, nineteen persons completed Health Science XI03, Hygiene and Sanitation, a two-hour elementary course offered through the Division of University Extension. There were thirty-one new enrollees during the same period. The course is being taught by Dr. Loren W. Akers on a contract basis.

Table 21 gives a summary of Health Science and Hygiene courses and enrollments for the last ten years.

RESEARCH

During the year members of the Health Service staff participated in the following publications as authors or collaborators:

G. G. Jackson, M.D., R. L. Muldoon, M.D., and L. W. Akers, M.D.
"Serological Evidence for Prevention of Influenzal Infection in Volunteers by an Anti-Influenzal Drug Adamantanamine Hydrochloride." Antimicrobial Agents and Chemotherapy, 1963, pp. 703-707.

R. H. Whitener, M.D., and Arthur Nikelly, Ph.D.
"Sexual Deviation in College Students." American Journal of Orthopsychiatry, Vol. 34, No. 3, April, 1964, pp. 486-492.

Arthur G. Nikelly, Ph.D.
"The Psychologic Problems of Democratization." American Journal of Psychotherapy, Vol. 18, Jan., 1964, pp. 52-58.

E. W. Cavins, M.D., D. H. Ferris, Ph.D., A. J. Vinci, M.D., and F. R. Watson, Ph.D.
"Brucellosis and Coxiellosis (Q Fever) Reactors in a University Cohort." American Journal of Public Health, Vol. 54, Aug., 1964, pp. 1289-91.

Arthur Nikelly, Ph.D., Mineyasu Sugita, M.A., Jack Otis, Ph.D.
"Adjustment and Mental Health Attitudes in Foreign Students." Mental Hygiene, Vol. 48, No. 3, July, 1964, pp. 463-467.

O. S. Walters, M.D.

"Religion and Psychopathology." Comprehensive Psychiatry, Vol. 5, Feb., 1964, pp. 24-35.

Six additional publications written by Health Service staff members are in press at the present time.

Work continues on the following research projects:

L. W. Akers, M.D., collaborating with George Gee Jackson
Antiviral Chemotherapy

T. A. Kiersch, M.D., and Arthur J. Nikelly, Ph.D.
Schizophrenia in Students

E. W. Cavins, M.D., in collaboration with G. T. Woods, D.V.M.
Rabies Immunoprophylaxis

L. M. Hursh, M.D., and Anthony J. Vinci, M.D.
Enzyme Treatment of Sprained Ankles

L. M. Hursh, M.D., and H. R. Miller, M.D.
Physical Performance After Fructose

C. H. Nichols, M.D., C. A. Hendrix, Jr., M.D., and L. M. Hursh, M.D.
Tuberculin Testing with Jet Injector

REHABILITATION EDUCATION CENTER

Dr. M. D. Kinzie continued to serve as medical supervisor on a one-third of full-time basis, spending thirteen hours each week at the Center. Regularly scheduled office hours were maintained by Dr. Kinzie at the Center for two hours each day on weekdays. During this time patients are treated, routine neurological and orthopedic examinations are made, and medical evaluations of incoming and continuing students are performed. In addition to these scheduled activities, Dr. Kinzie was available for conferences with individual staff members to advise concerning physical therapy, athletics, academic problems, and functional activity for rehabilitation students. Three hours each week are devoted to a general staff conference.

During the past year, 98 different patients consulted the medical supervisor on 343 visits classified as follows:

Infectious or parasitic diseases	2
Neoplasms	1
Allergic, endocrine, metabolic & nutritional disorders	6
Diseases of blood and blood forming organs	9

Mental, psychoneurotic and personality disorders	9
Diseases of nervous system and sense organs	2
Diseases of the circulatory system	1
Diseases of the respiratory system	33
Diseases of the digestive system	8
Diseases of the genito-urinary system	21
Diseases of the skin and cellular tissue	39
Diseases of bones and organs of movement	15
Symptoms of ill-defined condition	4
Accidental injuries	21
Physical examinations	22
Tuberculin readings	40
Medical conferences	29
Surgical revisits	25
Medical revisits	54
No disease found	<u>2</u>
Total	343

ACCIDENT COMPENSATION COMMITTEE

Dr. M. D. Kinzie continues to serve as Medical Adviser to the Accident Compensation Committee on a one-third of full-time basis, with the assistance of a full-time secretary.

As Medical Adviser, Dr. Kinzie reviews the initial accident report, follows course of treatment, refers the employee to appropriate specialists when indicated, evaluates for degree of permanent disability when required, and makes a final medical report to the Accident Compensation Committee. All charges for medications, physical therapy, X-ray, laboratory, hospital, and physicians' services are also reviewed and approved as reasonable by Dr. Kinzie. He maintains liaison between the physicians who provide care for injured employees, and interprets their reports as a member both of the Committee and the Subcommittee on Accident Compensation.

During the year 1963-64, reports on 1,183 different on-the-job accidents were processed by the Medical Adviser. Final reports were submitted to the Committee on 1,132 of these; 51 were in process at the close of the year.

In addition to accidental injuries at Champaign-Urbana, the Medical Adviser reviewed reports on an additional 460 injuries sustained and treated elsewhere, as follows:

Chicago campuses	448
Dixon Springs	3
Allerton Park	7
Division of Services for Crippled Children	<u>2</u>
Total	460

STATE UNIVERSITIES RETIREMENT SYSTEM

As ex officio medical director of the Retirement System, the director of Health Services is responsible for processing all disability reports. Dr. Loren W. Akers has devoted approximately one-sixth of full time to the routine review of these reports and to the incidental correspondence. The Retirement System medical records also require a full-time secretary.

Table 23 indicates the number of new and recheck claims processed for the participating institutions.

STATISTICAL TABLES

Health Center

Visits According to Type of Service	Table 1
Average Daily Visits	Table 2
Diagnostic Summary	Table 3
Immunizations	Table 4
Dental Pathology	Table 5
Accidental Injuries	Table 6
Injuries in Various Sports	Table 7

McKinley Hospital

Diagnostic Summary	Table 8
Classification of Inpatients	Table 9
Classification of Emergency Patients	Table 10
Treatment of Emergency Patients	Table 11
Departmental Services	Table 12

Division of Mental Health

Classification of Patients	Table 13
Source of Referral	Table 14
Types of Illness	Table 15
Type of Service	Table 16
Increase in Service	Table 17
Duration of Treatment	Table 18
Disposition of Patients	Table 19

Division of Environmental Health

Consultations	Table 20
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Division of Health Science

Number of Students Enrolled Each Year	Table 21
Distribution of Academic Staff Time	Table 22

State Universities Retirement System

Disability Claims Processed	Table 23
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Table 1

HEALTH CENTER

Visits According to Type of Service

<u>Students</u>		
Clinic		43,010
Appointment		
Office	6,724	
Physical Examinations	783	
Consultant	733	
Dental	1,072	
Mental Health Division	3,549	<u>12,861</u>
Total Student Visits		55,871
<u>Staff</u>		
Physical Examinations (includes rechecks)	3,978	
Return Visits Related to Physicals	2,638	
Office	1,242	
On-the-job Accidents (new)	947	
On-the-job Accidents (follow-up)	871	
Mental Health Division	170	
Permit to Return to Work	372	
Disability Examinations	87	
Influenza Immunizations	887	
Food Handler's X-rays	628	
Dental	35	
Other	<u>212</u>	
Total Staff Visits		12,067
Visitors on Campus		<u>692</u>
Total Visits to Health Center		68,630
Tuberculin Tests During Registration (Armory)		8,826

Table 2

HEALTH CENTER

Average Daily Visits

<u>Full Year</u> (July 1, 1963 through June 30, 1964)	<u>63-64</u>	<u>62-63</u>	<u>61-62</u>
Number of Weekdays Operating--Mondays through Fridays	256	255	253
Number of Saturdays Operating--Half Days	43	41	44
Average Daily Visits--Mondays through Fridays	258	229	234
Average Daily Visits--Saturdays (Half Days)	61	48	44
<u>Semesters</u>			
First Semester (September 5, 1963 through January 21, 1964)			
Average Daily Visits--Mondays through Fridays	307	294	289
Average Daily Visits--Saturdays (Half Days)	71	60	64
Second Semester (January 29, 1964 through June 13, 1964)			
Average Daily Visits--Mondays through Fridays	269	249	241
Average Daily Visits--Saturdays (Half Days)	65	49	42
Summer Session, 1963	<u>1963</u>	<u>1962</u>	<u>1961</u>
Average Daily Visits--Mondays through Fridays	136	141	137
Average Daily Visits--Saturdays (Half Days)	27	26	21

Table 3

HEALTH CENTER

Summary of Diagnoses
(International Classification of Diseases)

Infective and Parasitic (002-138)		1,028
Protozoa (140-239)		115
Neurologic, Endocrine, Metabolic & Nutritional (240-289)		491
Heart and Blood-Forming Organs (290-299)		39
Mental, Psychoneurotic & Personality Disorders (300-329)		224
Nervous System and Sense Organs (330-398)		1,305
Respiratory System (400-468)		247
Respiratory System (470-527)		4,826
Digestive System (530-587)		1,749
Genito-Urinary System (590-637)		479
Complications of Pregnancy (640-689)		16
Connective and Cellular Tissue (690-716)		1,980
Muscles and Organs of Movement (720-749)		922
Congenital Malformations (750-759)		21
Symptoms and Ill-Defined Conditions (780-795)		2,001
Injuries (800-999)		
Fractures (800-826)	168	
Dislocation Without Fracture (830-839)	30	
Sprains & Strains of Joints & Adjacent Muscles (840-848)	1,539	
Head Injury (Excluding Skull Fracture) (850-856)	54	
Internal Injury of Chest, Abdomen & Pelvis (860-869)	4	
Laceration and Open Wound (870-898)	537	
Superficial Injury (910-918)	888	
Contusion & Crushing with Intact Skin Surface (920-929)	745	
Foreign Body Entering Through Orifice (930-936)	132	
Burn (940-949)	165	
Injury to Nerves and Spinal Cord (950-959)	2	
Adverse Effects of Chemical Substances (960-989)	32	
Other Adverse Effects (990-999)	27	4,323
Special Conditions & Examinations Without Sickness (Y00-Y39)		
General Medical Examination (Y00.0)	6,537	
Radiological Examinations (Chest) (Y00.1)	2,302	
Radiological Examinations (Other than Thorax) (Y00.2)	2,466	
Laboratory Examination (Y00.3)	6,264	
Skin Immunity Test (Including Tbc) (Y01.1)	3,152	
Skin Test Reading (Y01.2)	4,851	
Prophylactic Inoculation & Vaccination (Y02)	9,642	
Follow-up Examination of Inactive Tbc	153	
Contacts with Infective & Parasitic Diseases (Y04)	8	
Other Persons Without Complaint or Illness (Y09)	5,898	
Surgical After-care or Convalescence (Y10.1)	2,407	
Medical After-care or Convalescence (Y10.2)	18,477	
No Disease Found (Y00)	452	
Deferred for Additional Information (Y19)	1,897	<u>64,506</u>
Total (Including Secondary Diagnoses)		84,272

Table 4

HEALTH CENTER

Immunizations

	<u>Student</u>	<u>Staff</u>	<u>Total</u>
Smallpox	999	3,321	4,320
Tetanus Toxoid	1,481	616	2,097
Typhoid Paratyphoid	1,269	307	1,576
Cholera	81	39	120
Typhus	264	57	321
Polio	715	60	775
Rocky Mt. Spotted Fever	59	3	62
Influenza	1,192	887	2,079
Tetanus & Diphtheria	36	6	42
Rabies	391	11	402
Not Otherwise Specified	<u>373</u>	<u>42</u>	<u>415</u>
Total	6,860	5,349	12,209

Table 5

HEALTH CENTER

Dental Pathology

Vincent's Infection	99
Dental Caries, unqualified	68
Dental Caries, with pulp exposure	6
Dental Caries, with periapical abscess	26
Dental Caries, other	20
Abscesses of Supporting Structures of Teeth, pericoronal	7
Abscesses, periodontal (parietal)	5
Abscesses, other and unspecified	7
Gingivitis, except ulcerative	64
Periodontitis (pyorrhoea, inflammatory)	7
Periodontosis (pyorrhoea, degenerative)	1
Other Inflammatory Diseases of Supporting Structures of Teeth	91
Malocclusion	2
Disorders of First Dentition	1
Impacted Teeth	37
Unerupted Teeth	15
Partially Erupted Teeth	62
Toothache from Unspecified Cause	74
Other Diseases of Teeth & Supporting Structures	16
Stomatitis	171
Diseases of Salivary Glands	4
Other Diseases of Buccal Cavity	30
Broken Teeth	<u>39</u>
TOTAL	852

Table 6

HEALTH SERVICE

Accidental Injuries Treated by the Health Service

	<u>Emergency Room McKinley Hosp.</u>	<u>Health Center</u>	<u>Total</u>	<u>Per Cent</u>
<u>Non-Athletic</u>				
on-the-Job	178	859	1037	38.9
ormitory or Fraternity	366	145	511	19.2
aboratory	28	66	94	3.5
raffic	68	36	104	3.9
inside University Building	65	100	165	6.2
outside Building	107	49	156	5.8
pedestrian	11	68	79	3.0
recreation, University-sponsored	2	26	28	1.0
rop	11	13	24	.9
ther	<u>272</u>	<u>197</u>	<u>469</u>	<u>17.6</u>
Total Non-Athletic Injuries	(1108)	(1559)	(2667)	100.0
<u>Athletic</u>				
norganized	278	101	379	31.1
ysical Education	65	226	291	23.8
tramural	171	81	252	20.7
on-University-sponsored	37	32	69	5.7
arsity	54	11	65	5.3
ther	<u>23</u>	<u>140</u>	<u>163</u>	<u>13.4</u>
Total Athletic Injuries	(628)	(591)	(1219)	100.0
Total	1736	2150	3886	

Table 7

HEALTH SERVICE

Injuries in Various Sports

	<u>Health Center</u>	<u>McKinley Hosp. Emergency Room</u>	<u>Total</u>	<u>Per Cent</u>
Football	22	188	210	17.2
Basketball	127	140	267	21.9
Baseball	92	96	188	15.4
Handball	25	13	38	3.1
Flickerball	1	--	1	.1
Volleyball	34	18	52	4.3
Wrestling	20	31	51	4.2
Personal Defense	17	4	21	1.7
Tennis	23	12	35	2.9
Swimming	23	27	50	4.1
Ice Skating	21	13	34	2.8
Gymnastics	15	6	21	1.7
Other	<u>171</u>	<u>80</u>	<u>251</u>	<u>20.6</u>
Total (1963-64)	591	628	1219	100.0

Table 8

MC KINLEY HOSPITAL

Summary of Patients by Diagnosis
(International Classification of Diseases)

	Inpatient (Hospital)	Outpatient (Emergency) (Room)
Infective and Parasitic (002-138)	490	185
Neoplasms (140-239)	6	8
Allergic, Endocrine, Metabolic, Nutritional (240-289)	40	80
Blood and Blood Forming Organs (290-299)	4	0
Mental, Psychoneurotic, & Personality Disorders (300-329)	74	59
Nervous System and Sense Organs (330-398)	41	159
Circulatory System (400-468)	32	28
Respiratory System (470-527)	591	535
Digestive System (530-587)	259	242
Genito-Urinary System (590-637)	72	77
Complications of Pregnancy (640-689)	0	1
Skin and Cellular Tissue (690-716)	57	100
Bones and Organs of Movement (720-749)	50	44
Congenital Malformations (750-759)	4	1
Symptoms and Ill-Defined Conditions (780-795)		
Symptoms Referable to Nervous System and Special Senses (780-781)	1	32
Symptoms Referable to Cardiovascular and Lymphatic Systems (782)	18	41
Symptoms Referable to Respiratory System (783)	4	47
Symptoms Referable to Upper Gastrointestinal System (784)	1	61
Symptoms Referable to Abdomen and Lower Gastrointestinal Tract (785)	10	78
Symptoms Referable to Genito-Urinary System (786)	2	9
Symptoms Referable to Limbs and Back (787)	2	123
Other General Symptoms (788)	9	74
Abnormal Urinary Constituents of Unspecified Cause (789)	5	6
Nervousness and Debility (790)	25	26
Headache (791)	3	53
Uremia (792)	0	0
Observation Without Need for Further Medical Care (793)	10	16
Senility Without Mention of Psychosis (794)	0	0
Ill-Defined and Unknown Causes of Morbidity and Mortality (795)	<u>3</u>	<u>48</u>
Total Symptoms & Ill-Defined Conditions	(93)	(614)

Table 8 (continued)

	Inpatient <u>(Hospital)</u>	Outpatient (Emergency) <u>(Room)</u>
Injuries (800-999)		
Fractures (800-826)	35	109
Dislocations Without Fracture (830-839)	24	39
Sprains and Strains of Joints and Adjacent Muscles (840-848)	58	411
Head Injury (excluding skull fracture) (850-856)	33	64
Internal Injury of Chest, Abdomen, and Pelvis (860-869)	2	2
Laceration and Open Wound (870-898)	15	573
Superficial Injury (910-918)	11	269
Contusion and Crushing with Intact Skin Surface (920-929)	37	310
Foreign Body Entering Through Orifice (930-936)	0	56
Burn (940-949)	5	108
Injury to Nerves and Spinal Cord (950-959)	0	2
Adverse Effects of Chemical Substances (960-989)	25	39
Other Adverse Effects (990-999)	4	30
Total Injuries	(249)	(2,012)
Special Conditions and Examinations Without Sickness (Y00-Y39)		
Medical or Special Examination (Y00)		
Skin Immunity Test (including Tbc) (Y01.1)		1
Laboratory Examination (Y00.3)	2	2
Prophylactic Inoculation and Vaccination (Y02)		5
Contacts with Infective and Parasitic Diseases (Y04)		1
Pre-Natal Care (Y06)	2	
Surgical After-care or Convalescence (Y10.1)	8	14
Medical After-care or Convalescence (Y10.2)	2	116
Other Person Without Complaint or Illness (Y09)		7
Total Special conditions and Examinations Without Sickness	(14)	(146)
Total	2,076	4,291

Table 9

MC KINLEY HOSPITAL

Classification of Inpatients

	1963-64		1962-63	
	<u>Patients</u>	<u>Per Cent</u>	<u>Patients</u>	<u>Per Cent</u>
Students	1,964	94.01	1,892	92.2
Student Family	8	.38	8	.4
Staff	55	2.64	83	4.0
Staff Family	26	1.24	25	1.2
Extension Student	15	.72	15	.8
University High School Student	0	.00	1	.1
Campus Visitor	7	.33	14	.7
Non-University	<u>14</u>	<u>.68</u>	<u>13</u>	<u>.6</u>
Total Inpatients	2,089	100.00	2,051	100.0
Number Hospital Days	7,291		6,487	
Average Hospital Stay	3.4 days		3.17 days	

Table 10

MC KINLEY HOSPITAL

Classification of Emergency Room Patients

	1963-64		1962-63	
	<u>Number of Patients</u>	<u>Per Cent</u>	<u>Number of Patients</u>	<u>Per Cent</u>
Students	3,345	90.01	2,931	89.88
Staff	234	6.30	190	5.83
Campus Visitors	45	1.21	46	1.41
Extension Students	45	1.21	45	1.38
Student Family	19	.51	20	.61
Non-University	13	.35	18	.55
Others	<u>15</u>	<u>.41</u>	<u>11</u>	<u>.34</u>
Total	3,716	100.00	3,261	100.00

Table 11

MC KINLEY HOSPITAL

Emergency Room Patients

	1963-64			1962-63		
	<u>Patient Visits</u>	<u>Treated by Physician</u>	<u>Treated by Nurse</u>	<u>Patient Visits</u>	<u>Treated by Physician</u>	<u>Treated by Nurse</u>
Health Service Physician Called	3,394	3,062	332	2,721	2,283	438
Private Physician Called	210	127	83	440	308	132
Physician Not Required	<u>112</u>	<u> </u>	<u>112</u>	<u>100</u>	<u> </u>	<u>100</u>
Total	3,716	3,189	527	3,261	2,591	670

Table 12

MC KINLEY HOSPITAL

Departmental Services

	<u>1963-64</u>	<u>1962-63</u>	<u>Per Cent Increase</u>
Radiography, Patients	7,835	6,469	21.1
Health Center	6,442	5,093	
Hospital	1,393	1,376	
Radiography, Procedures	17,036	13,142	29.63
Health Center	12,750	9,382	
Hospital	4,286	3,760	
Fluoroscopy, Patients	299	166	80.01
Health Center	225	61	
Hospital	74	105	
Laboratory Procedures	41,967	34,355	22.2
Health Center	29,125	22,137	
Hospital	12,842	12,218	
Physical Therapy, Patients	3,194	2,604	22.7
Health Center	2,183	2,474	
Hospital	1,011	130	
Physical Therapy, Treatments	3,853	3,139	22.7
Health Center	2,569	2,950	
Hospital	1,284	189	
Basal Metabolism, Electro- cardiograph, and Kine- meter			
Procedures	540	384	40.6
Health Center	391	277	
Hospital	149	107	
Dietetic, Meals Served	41,995	35,303	19.0
Dietetic, Special Diets	8,054	9,357	(16.2)
Pharmacy, Prescriptions Filled	10,214	7,832	30.4

Table 13

DIVISION OF MENTAL HEALTH

Classification of Patients

(By Classes)

	1963-64		1962-63	
	<u>Number</u>	<u>Rate 1000 per Annum</u>	<u>Number</u>	<u>Rate 1000 per Annum</u>
Students	(746)	(27.6)	(590)	(23.9)
Freshmen	111	19.1	102	17.9
Sophomores	140	34.3	96	23.1
Juniors	132	31.1	123	28.8
Seniors	151	24.5	101	18.7
Master's Candidates	122	35.8	98	37.5
Doctoral Candidates	71	22.1	49	21.0
Unclassified	19	---	21	---
International Students	(61)	(46.5)	(50)	(42.3)
Non-Students	(86)		(59)	
Spouse	6		6	
Nonacademic	46		35	
Faculty	17		8	
Faculty Family	11		--	
Other	<u>6</u>		<u>10</u>	
Total	832		649	

(By Colleges)

Agriculture	15	11.0	11	7.8
Aviation	5	41.6	6	4.4
Commerce & Business Adm.	46	17.1	48	18.2
Education	43	30.0	24	16.6
Engineering	61	16.4	59	15.9
Fine & Applied Arts	54	27.9	43	22.8
Graduate	183	27.5	145	23.7
Journalism & Communications	13	55.5	9	39.4
Law	10	22.4	2	5.7
Liberal Arts and Sciences	298	34.8	226	29.1
Non-Students	86	---	59	---
Physical Education	12	18.8	9	16.3
Unclassified	---	---	8	---
Veterinary Medicine	<u>6</u>	<u>35.7</u>	<u>---</u>	<u>---</u>
Total	832	27.6 Avg.	649	24.5 Avg.

Table 14

DIVISION OF MENTAL HEALTH

Sources of Referral

	1963-64		1962-63	
	<u>Patients</u>	<u>Per Cent</u>	<u>Patients</u>	<u>Per Cent</u>
Health Service Physicians	255	31.6	203	31.3
Self-Referred	325	39.0	239	36.8
Security Office	6	.7	17	2.6
Academic Dean	14	1.6	12	1.9
Other Physician	57	6.8	25	3.9
Student Counseling Bureau	28	3.2	25	3.9
Administrative Dean	34	4.0	23	3.5
Clergy or Religious Advisor	4	.4	9	1.4
Other Student	22	2.6	34	5.2
Faculty Member	28	3.2	17	2.6
Housing Counselor	18	2.2	11	1.7
Champaign County Mental Health Clinic	5	.6	5	.8
Family Service			2	.3
Psychological Clinic	3	.3	4	.6
Parent	21	2.5	8	1.2
Other Off-Campus Agencies	<u>12</u>	<u>1.3</u>	<u>15</u>	<u>2.3</u>
Total	832	100.0	649	100.0

Table 15

DIVISION OF MENTAL HEALTH

Types of Illness

	1963-64		1962-63	
	<u>Patients</u>	<u>Per Cent</u>	<u>Patients</u>	<u>Per Cent</u>
Psychoneurosis	230	27.7	160	24.6
Personality Disorders	255	30.6	195	30.0
Psychophysiological Reactions	46	5.5	28	4.3
Transient Situational Personality Disorders	121	14.5	138	21.3
Psychoses	60	7.2	39	6.0
Without Mental Illness	58	7.0	56	8.6
No Diagnosis	45	5.5	26	4.2
Organic Brain Disorders	<u>17</u>	<u>2.0</u>	<u>7</u>	<u>1.0</u>
Total	832	100.0	649	100.0

Table 16

DIVISION OF MENTAL HEALTH

Type of Service

	1963-64		1962-63	
	<u>Patients</u>	<u>Per Cent</u>	<u>Patients</u>	<u>Per Cent</u>
Psychiatrist	313	37.6	229	35.4
Psychologist	8	.9	11	1.7
Social Worker	58	6.9	39	6.0
Psychiatrist and Psychologist	26	3.1	29	4.4
Psychiatrist and Social Worker	372	44.9	306	47.1
Psychiatrist, Psychologist, and Social Worker	<u>55</u>	<u>6.6</u>	<u>35</u>	<u>5.4</u>
Total	832	100.0	649	100.0

Table 17

DIVISION OF MENTAL HEALTH

Increase in Service

	<u>Number</u> of <u>Patients</u>	<u>Rate</u> per 1000 <u>Students</u>	<u>Number</u> of <u>Visits</u>	<u>Increase</u> over <u>Previous Yr.</u>	<u>Per Cent</u> <u>Increase</u>
1958-59	208	8.6			
1959-60	395	15.9	1,935		
1960-61	480	18.5	2,152	217	10.1
1961-62	540	19.7	3,120	968	31.0
1962-63	649	24.5	3,801	681	17.9
1963-64	832	27.6	3,970	169	4.3

Table 18

DIVISION OF MENTAL HEALTH

Duration of Treatment

	1963-64		1962-63	
	<u>Number of Patients</u>	<u>Per Cent</u>	<u>Number of Patients</u>	<u>Per Cent</u>
1 hour	230	27.6	152	23.4
2 hours	209	25.1	156	24.0
3 hours	82	9.8	72	11.1
4 hours	55	6.6	58	9.0
5 hours	48	5.8	35	5.4
6-10 hours	118	15.2	85	13.1
Over 10 hours	<u>90</u>	<u>9.9</u>	<u>91</u>	<u>14.0</u>
Total	832	100.0	649	100.0

Table 19

DIVISION OF MENTAL HEALTH

Disposition of Patients

	1963-64		1962-63	
	<u>Number of Patients</u>	<u>Per Cent</u>	<u>Number of Patients</u>	<u>Per Cent</u>
Further treatment not indicated	685	82.3	526	81.1
Receiving therapy at end of year	76	9.2	67	10.4
Referred to other agencies:				
Student Counseling Bureau	21	2.5	29	4.5
Private psychiatric care	20	2.4	13	2.1
State mental hospital	11	1.3	2	.3
Outpatient psychiatric clinic	11	1.3	7	1.0
Private mental hospital	1	.1	---	---
Private physician	3	.4	2	.3
Social casework agency	1	.1	---	---
Psychiatric ward of general hospital	---	---	1	.1
Other psychiatric inpatient agency	2	.3	1	.1
Other	<u>1</u>	<u>.1</u>	<u>1</u>	<u>.1</u>
Total	832	100.0	649	100.0

Table 20

DIVISION OF ENVIRONMENTAL HEALTH

Consultations Requested

Air Pollution

Mercury hazard, Mining and Metallurgy
Cyanide hazard, Electrical Engineering
Air contamination, Biophysical Research Laboratory
Mercury hazard, Noyes Laboratory
Particulate matter in air, Power Plant
Ash fall-out from Power Plant, private residence
Fume hood installation, Physical Plant
Dust contamination, Illini Union

Occupational Health

Radioactive contamination of water supply, Floriculture
Noise levels for hearing conservation, Power Plant
Adequacy of lighting, Health Service
Eye irritation in kitchen workers, fraternity house
Isolation facilities for accidental radiation victims,
McKinley Hospital

Sanitary Engineering

Inspection of plumbing, Turner Hall
Correction of water supply treatment, Willard Airport
Water supply contamination, Natural History Building
Survey for back-siphonage protection, Power Plant
Septic tank installation, Physiological Research Laboratory
Back-siphonage hazard, Animal Genetics Building
Survey of plumbing, Health Center
Survey of new Education Building for health hazards

Sanitation

Insect infestation, residence hall room
Control of insects, Plant Science Department

Table 21

DIVISION OF HEALTH SCIENCE
(HYGIENE)

Number of Students Enrolled Each Year

	<u>Course Number</u>						<u>Total</u>
	<u>101</u>	<u>104</u>	<u>111</u>	<u>201</u>	<u>216</u>	<u>211</u>	
1954-55	2367	612	172		117	13	3281
1955-56	2254	665	138		335	13	3405
1956-57*	2370	921	132		331	3	3757
1957-58		789	118		387	11	1305
1958-59		1128	108		418	17	1661
1959-60		1459	144	38	418	18	2067
1960-61**		1370	172	17	371	11	1851
1961-62		1149	115	81	394	11	1740
1962-63		948	117	78	391	18	1542
1963-64		814	93	131	377	18	1433

* Last year of required Health Science for all University students.

** Last year of required Health Science for Commerce students.

Summer enrollment included in last eight years.

Table 22

HEALTH SERVICE

Distribution of Academic Staff Time

	Total Academic Staff Hours	Per Cent of Total Time
Teaching	117.4	11.83
Non-teaching		
Clinical	570.8	57.5
Hospital Visits	80	8.1
Emergency Call	65	6.6
Research	38	3.8
Administrative	<u>120.8</u>	<u>12.2</u>
Total Non-teaching	<u>874.6</u>	<u>88.17</u>
Total Teaching & Non-teaching	992.0	100.00

Allocation of Non-teaching Time

	No. Visits	Per Cent
Students	55,871	81.41
Staff	12,067	17.58
Visitors	<u>692</u>	<u>1.01</u>
Total	68,630	100.00

Table 23

STATE UNIVERSITIES RETIREMENT SYSTEM

Disability Claims Processed
July 1 through June 30

	1962-63		1963-64	
	<u>New</u>	<u>Recheck</u>	<u>New</u>	<u>Recheck</u>
U. of I. - Urbana (including all participating in- stitutions located on Urbana campus)	55	97	74	128
U. of I. - Navy Pier	3	3	8	19
U. of I. - Division of Services for Crippled Children	4	1	2	3
U. of I. - Chicago Professional Colleges	48	79	46	67
Eastern Illinois University	7	19	6	17
Illinois State University	5	12	9	14
Northern Illinois University	8	12	12	20
Southern Illinois University	20	32	15	42
Teachers College Board	--	--	1	1
Western Illinois University	<u>5</u>	<u>8</u>	<u>3</u>	<u>10</u>
Total	155	263	176	321





UNIVERSITY OF ILLINOIS-URBANA



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