

# **Inpatient Utilization of Short-Stay Hospitals by Diagnosis United States-1968**

Statistics are presented on the utilization of short-stay non-Federal hospitals based on data abstracted by the Hospital Discharge Survey from a national sample of hospital records of discharged inpatients. The number of discharges, discharge rates, and average length of stay are shown for categories of first-listed diagnoses, by demographic characteristics of inpatients and geographic region of hospitals. The number and percent distribution of all-listed diagnoses are presented by age and sex. Some comparisons are made of the 1968 data with 1965 to identify changes which occurred in patterns of hospitalization under Medicare.

DHEW Publication No. (HSM) 73-1763

---

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Public Health Service

Health Services and Mental Health Administration  
National Center for Health Statistics

Rockville, Md.

March 1973



Vital and Health Statistics-Series 13-No. 12

# NATIONAL CENTER FOR HEALTH STATISTICS

THEODORE D. WOOLSEY, *Director*

EDWARD B. PERRIN, Ph.D., *Deputy Director*

PHILIP S. LAWRENCE, Sc.D., *Associate Director*

OSWALD K. SAGEN, Ph.D., *Assistant Director for Health Statistics Development*

WALT R. SIMMONS, M.A., *Assistant Director for Research and Scientific Development*

JOHN J. HANLON, M.D., *Medical Advisor*

JAMES E. KELLY, D.D.S., *Dental Advisor*

EDWARD E. MINTY, *Executive Officer*

ALICE HAYWOOD, *Information Officer*

## DIVISION OF HEALTH RESOURCES STATISTICS

SIEGFRIED A. HOERMANN, *Director*

PETER L. HURLEY, *Deputy Director*

HENRY S. MOUNT, *Chief, Health Manpower Statistics Branch*

G. GLORIA HOLLIS, *Chief, Health Facilities Statistics Branch*

PETER L. HURLEY, *Acting Chief, Family Planning Statistics Branch*

GRACE K. WHITE, *Chief, Hospital Discharge Survey Branch*

### COOPERATION OF THE BUREAU OF THE CENSUS

Under the legislation establishing the National Health Survey, the Public Health Service is authorized to use, insofar as possible, the services or facilities of other Federal, State, or private agencies.

In accordance with specifications established by the National Center for Health Statistics, the Bureau of the Census, under a contractual arrangement, participated in planning the survey and collecting the data.

**Vital and Health Statistics-Series 13-No. 12**

**DHEW Publication No. (HSM) 73-1763**

*Library of Congress Card Number 72-600221*

# CONTENTS

	Page
Introduction . . . . .	1
Hospital Utilization for All Causes . . . . .	1
Sex and Age . . . . .	1
Color . . . . .	3
Geographic Region . . . . .	3
Hospital Utilization by Diagnosis . . . . .	4
Diagnosis by Sex . . . . .	4
Diagnosis by Age . . . . .	7
Diagnosis by Color . . . . .	11
Diagnosis by Geographic Region . . . . .	13
Length of Stay . . . . .	14
Deaths in Short-Stay Hospitals . . . . .	15
All-Listed Diagnoses . . . . .	16
Hospital Utilization in 1968 Compared With 1965 . . . . .	17
References . . . . .	20
List of Detailed Tables . . . . .	21
Appendix I. Technical Notes on Methods . . . . .	62
Statistical Design of the Hospital Discharge Survey . . . . .	62
Data Collection and Processing . . . . .	64
Presentation of Estimates . . . . .	64
Reliability of Estimates . . . . .	74
Appendix II. Definitions of Certain Terms Used in This Report . . . . .	75
Terms Relating to Hospitalization . . . . .	75
Demographic Terms . . . . .	75
Terms Relating to Diagnoses . . . . .	76

### SYMBOLS

Data not available-----	- - -
Category not applicable-----	. . .
Quantity zero-----	-
Quantity more than 0 but less than 0.05-----	0.0
Figure does not meet standards of reliability or precision-----	*

# INPATIENT UTILIZATION OF SHORT-STAY HOSPITALS BY DIAGNOSIS

Abraham L. Ranofsky, *Division of Health Resources Statistics*

## INTRODUCTION

This report presents estimates on the utilization of short-stay hospitals in 1968 based on data collected by the Hospital Discharge Survey (HDS), a continuous survey conducted by the National Center for Health Statistics (NCHS).

The data obtained in the 1968 HDS were abstracted from the medical records of a sample of patients discharged from a national sample of non-Federal general and special short-stay hospitals. In 1968, there were 413 hospitals that participated in the HDS. Approximately 210,000 abstracts of the hospital medical records were received from these hospitals and processed. Data for newborn infants are excluded from this report. A description of the sample design, data collection procedures, and the estimation process is given in appendix I. A report has been published that provides a detailed description of the HDS design, estimation techniques, and quality control.<sup>1</sup>

Information from the HDS on diseases and injuries diagnosed for inpatients discharged from short-stay hospitals in 1965 has been published in a previous report.<sup>2</sup> Other reports on the utilization of short-stay hospitals have been published that include data on the demographic characteristics of patients discharged; the size, type of ownership, and location of hospitals; and the surgical operations performed.<sup>3-9</sup>

Data in this report present information for 1968 on the first-listed final diagnoses reported

for inpatients by age, sex, and color of patients and by geographic region where the hospitals are located. Measurements of hospital use are provided by the estimated number and rate of discharges and by the average length of stay for first-listed diagnoses. Some comparisons are made between 1968 (post-Medicare) and 1965 (pre-Medicare) to identify changes that occurred in hospital use after Medicare became effective. Data for 1965 provide baseline information on inpatient utilization of short-stay hospitals before the adoption of Medicare, the Federal program of hospital insurance for the aged, which became effective July 1, 1966. Estimates of all-listed diagnoses (up to five diagnoses were coded for each medical record) are provided by sex and for age groups under 65 years and 65 years and over.

Definitions of terms used in this report relating to hospitalization and the characteristics of inpatients and hospitals are given in appendix II. Since several of the terms have specialized meanings in the HDS, familiarity with these definitions will be useful for interpreting the data.

## HOSPITAL UTILIZATION FOR ALL CAUSES

### Sex and Age

An estimated 28.1 million inpatients, excluding newborn infants, were discharged from

non-Federal short-stay hospitals during 1968. Of these patients, 40 percent were males and 60 percent were females. Exclusive of the patients hospitalized for obstetrical conditions of deliveries and the complications of pregnancy and the puerperium, the distribution by sex was 47 percent for males and 53 percent for females.

The number of discharges per 1,000 population increased with each successive age group for both men and women, if obstetrical conditions are excluded (table A). Thus, the rate for males increased from 74.0 discharges per 1,000 population under age 15 to 314.4 discharges per 1,000 population aged 65 years and over, or an increase of four times. For females, excluding

obstetrical discharges, the increase in rates was from 59.0 to 288.7, or an increase of about five times. If obstetrical conditions are included, this pattern is changed because of the large number of female patients aged 15-44 years hospitalized for these conditions.

Older inpatients were hospitalized for longer periods than younger patients. Average length of stay increased consistently with age from 5.0 days for patients under age 15 to 14.2 days for patients aged 65 and over. This pattern was true for both males and females, including and excluding patients with obstetric conditions (table B).

Table A. Annual rate of discharges for inpatients discharged from short-stay hospitals, excluding newborn infants, by age and sex: United States, 1968

Age	Both sexes <sup>1</sup>	Male	Female	
			Including obstetrics	Excluding obstetrics
Number of discharges per 1,000 population				
All ages <sup>2</sup> .....	143.7	119.2	165.8	124.5
Under 15 years .....	67.1	74.0	59.6	59.0
15-44 years .....	155.8	91.9	213.0	110.7
45-64 years .....	162.0	162.0	161.1	160.7
65 years and over .....	300.8	314.4	288.7	288.7

<sup>1</sup> Includes inpatients discharged for whom sex was not stated.

<sup>2</sup> Includes inpatients discharged for whom age was not stated.

Table B. Average length of stay of inpatients discharged from short-stay hospitals, excluding newborn infants, by age and sex: United States, 1968

Age	Both sexes <sup>1</sup>	Male	Female	
			Including obstetrics	Excluding obstetrics
Average length of stay in days				
All ages <sup>2</sup> .....	8.5	9.0	8.1	9.4
Under 15 years .....	5.0	5.2	4.8	4.8
15-44 years .....	6.1	7.3	5.7	7.1
45-64 years .....	10.0	10.0	10.0	10.0
65 years and over .....	14.2	13.6	14.8	14.8

<sup>1</sup> Includes inpatients discharged for whom sex was not stated.

<sup>2</sup> Includes inpatients discharged for whom age was not stated.

## Color

About 21.6 million of the inpatients discharged in 1968 were identified as white on the hospital records (face sheet of patient's medical record), and 2.9 million, as belonging to the "all other" color group (table 5), a ratio of almost 7½ to 1. Color of patient was not stated on the records of 3.5 million patients discharged. In all likelihood, these patients were distributed by color in about the same proportion as the patients for whom color was identified. This is suggested by the age distribution of patients with color not stated, which was more like that of the white patients than the age distribution of all other patients (figure 1).

Number of discharges and average length of stay are shown in table 5 by first-listed diagnostic category for all patients discharged and for patients with color stated. Because of the large number of patients whose color was not identified, rates were not computed by color and caution should be used in drawing conclusions from the data presented by color.

## Geographic Region

Larger proportions of the total civilian, non-institutional population resided in the South and North Central Regions than in the other two regions. These regions accounted for even larger proportions of the patients discharged in the United States (table C). The North Central and Northeast Regions used disproportionately more hospital days than their share of the total population of the United States would seem to warrant.

Hospital utilization among the regions varied substantially as measured by rate of discharges, rate of days of care, and average length of stay. These measurements of short-stay hospital utilization are shown by region in table D. Rates of discharge and of days of care per 1,000 population were lowest in the West Region and highest in the North Central Region—a difference of 21 percent for discharges and of 50 percent for days of care. Average length of stay varied from 7.1 days in the West Region to 9.9 days in the Northeast Region, or by 39 percent.

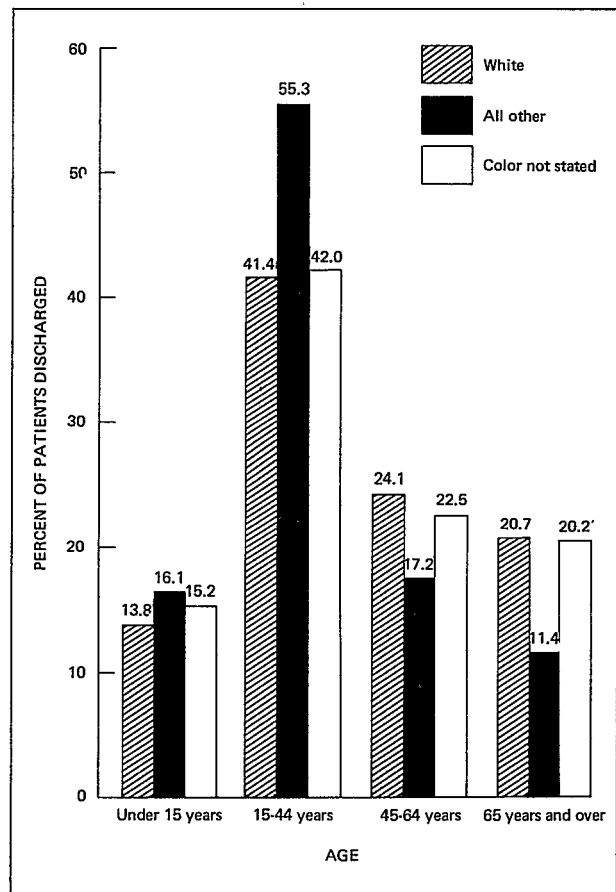


Figure 1. Percent of inpatients discharged from short-stay hospitals excluding newborn infants by color and age: United States, 1968.

Table C. Percent distribution of U.S. civilian, noninstitutional population and discharges and days of care for inpatients discharged from short-stay hospitals, excluding newborn infants, by geographic region: United States, 1968

Geographic region	Civilian, noninstitutional population	Discharges	Days of care
Percent distribution			
All regions . . . . .	100.0	100.0	100.0
Northeast . . . . .	24.3	22.4	26.3
North Central . . . . .	28.0	30.9	32.1
South . . . . .	31.0	31.6	29.0
West . . . . .	16.6	15.1	12.6



Table D. Annual rate of discharges and of days of care and average length of stay for inpatients discharged from short-stay hospitals, excluding newborn infants, by geographic region: United States, 1968

Geographic region	Discharges	Days of care	Average length of stay in days
	Rate per 1,000 population		
All regions . . . . .	143.7	1,214.4	8.5
Northeast . . . . .	132.1	1,310.5	9.9
North Central . . . . .	158.5	1,389.8	8.8
South . . . . .	146.3	1,135.9	7.8
West . . . . .	130.9	924.1	7.1

## HOSPITAL UTILIZATION BY DIAGNOSIS

Deliveries and complications of childbirth and the puerperium were the leading causes of hospitalization in 1968. These conditions resulted in an estimated 4.2 million discharges, including 3.3 million inpatients with deliveries. Of the nonobstetrical conditions, hypertrophy of tonsils and adenoids (1,062,000 discharges) and arteriosclerotic heart disease (1,061,000 discharges) were the most frequently reported first-listed diagnoses. Other leading causes of hospitalization were malignant neoplasms (1,044,000 discharges), fractures (1,034,000 discharges), and pneumonia (704,000 discharges). One-third (32 percent) of all inpatients discharged from short-stay hospitals were hospitalized for these six leading diagnostic groups. The number and rate of discharges and average length of stay are shown for the most frequently reported diagnostic conditions in table E.

The greatest impact on hospital utilization was made by those diagnostic conditions for which the largest numbers of days of care were provided. Obstetrical conditions accounted for the largest number of days of care (17.2 million days) in hospitals. Measured by days of care, other important diagnostic groups were malignant neoplasms (16.0 million days), fractures (14.1 million days), vascular lesions affecting the

central nervous system (8.4 million days), and pneumonia (6.9 million days). Hypertrophy of tonsils and adenoids, which accounted for about 4 percent of all discharges, required only 1 percent of the total days of care (2.4 million days).

Although days of care are not shown in the tables of this report, they can be estimated by multiplying the number of discharges by the corresponding average length of stay. An approximate measure of the rate of days of care is provided by multiplying the rate of discharge for a diagnostic category by its average length of stay.

The estimates in this report of final diagnoses of diseases, injuries, and other conditions for which inpatients were hospitalized are arranged according to the classes of the *International Classification of Diseases, Adapted (ICDA)*.<sup>10</sup> Within the structure of these classes, the estimates for the detailed ICDA codes were grouped into 108 diagnostic categories for presentation in the detailed tables of this report. See appendix I for a description of the grouping of the diagnostic data.

The diagnostic conditions presented in tables E-N were selected from among those diagnostic categories with the largest discharge frequencies. Residual classes or subclasses, symptoms, ill-defined conditions, and nondiagnostic categories (e.g., observations, examinations) were excluded. In these tables the diagnostic categories for malignant neoplasms, arteriosclerotic heart disease, obstetrical conditions, and fractures are shown as single diagnostic conditions.

## Diagnosis by Sex

The number of inpatients discharged from short-stay hospitals, average length of stay, and annual discharge rates are shown by diagnostic category and sex in tables 1 and 2. The annual rate of discharges for female patients was 1,658.2 discharges per 10,000 persons in the civilian, noninstitutional population, or about 39 percent higher than the rate of 1,191.9 for male patients. Exclusive of obstetrical conditions, which accounted for one-fourth (25 percent) of all females hospitalized, the discharge rate for females (1,245.4 discharges per 10,000 population) exceeded the rate for males by only 4 percent.

Table E. Number, percent, and annual rate of discharges and average length of stay for inpatients of all ages discharged from short-stay hospitals, excluding newborn infants, by selected first-listed diagnostic conditions: United States, 1968

Diagnostic condition and ICDA codes	Number of discharges in thousands	Percent of total discharges	Discharge rate per 10,000 population	Average length of stay in days
<u>All ages</u>				
All discharges . . . . .	28,070	100.0	1,437.1	8.5
Total, selected diagnostic conditions . . . . .	13,702	48.8	701.5	8.1
Malignant neoplasms . . . . . 140-205	1,044	3.7	53.5	15.3
Diabetes mellitus . . . . . 260	385	1.4	19.7	12.2
Vascular lesions affecting central nervous system . . . . . 330-334	504	1.8	25.8	16.6
Arteriosclerotic heart disease . . . . . 420	1,061	3.8	54.3	14.5
Respiratory system diseases:				
Acute upper respiratory infections . . . . . 470-475	387	1.4	19.8	5.2
Pneumonia, all forms . . . . . 490-493	704	2.5	36.0	9.8
Hypertrophy of tonsils and adenoids . . . . . 510	1,062	3.8	54.4	2.2
Digestive system diseases:				
Ulcer of stomach and duodenum . . . . . 540-542	445	1.6	22.8	10.7
Appendicitis . . . . . 550-552	334	1.2	17.1	6.8
Inguinal hernia . . . . . 560.0,561.0	502	1.8	25.7	7.2
Gastroenteritis . . . . . 571	509	1.8	26.1	5.2
Cholelithiasis and cholecystitis . . . . . 584-585	482	1.7	24.7	11.0
Disorders of menstruation . . . . . 634	396	1.4	20.3	4.5
Obstetrical conditions . . . . . 640-689, Y06-Y07	4,183	14.9	214.1	4.1
Injuries:				
Fractures, all sites . . . . . 800-826	1,034	3.7	52.9	13.6
Head injury (excluding skull fracture) . . . . . 850-856	323	1.2	16.5	6.1
Laceration and open wound . . . . . 870-898	347	1.2	17.8	5.7

A leading cause of hospitalization by sex was arteriosclerotic heart disease (616,000 discharges) for men and obstetrical conditions (4,183,000 discharges) for women (table F). The discharge rate for arteriosclerotic heart disease was over 50 percent higher for males (65.5 discharges per 10,000 population) than for females (43.5 discharges per 10,000 population). Arteriosclerotic heart disease, fractures, hypertrophy of tonsils and adenoids, malignant neoplasms, and pneumonia appeared among the eight most frequently reported diagnostic conditions for males and females, but not in the same order. With the exception of malignant neoplasms, dis-

charge rates for these diagnoses were higher for males than for females. Of all female discharges with malignancies, the site for over 40 percent was the breast or uterus (table 1). The average length of stay was longer for females hospitalized for arteriosclerotic heart disease, fractures, malignant neoplasms, and pneumonia than for males hospitalized for the same conditions, and was shorter for hypertrophy of tonsils and adenoids.

Sex-specific diagnostic conditions (diseases of genital organs and obstetrical conditions) accounted for about 35 percent of the episodes of hospitalization for females and only 4 percent

for males. The first-listed sex-specific causes of hospitalization were as follows:

Diagnostic condition	Male	Female
	Number of inpatients discharged in thousands	
All sex-specific diagnoses . . . . .	494	5,812
Malignant neoplasms of genital organs . . . . . 171-179	65	163
Benign neoplasms of genital organs . . . . . 214-218	*	395
Hyperplasia of prostate . . . . . 610	191	...
Other diseases of male genital organs . . . . . 611-617,757.7	236	...
Uterovaginal prolapse . . . . . 631	...	166
Disorders of menstruation . . . . . 634	...	396
Other diseases of female genital organs . . . . . 622-626,630,632-633,635-637	...	510
Obstetrical conditions . . . . . 640-689,Y06-Y07	...	4,183

Table F. Number, percent, and annual rate of discharges and average length of stay for inpatients discharged from short-stay hospitals, excluding newborn infants, by sex and selected first-listed diagnostic conditions: United States, 1968

Diagnostic condition and ICDA codes	Number of discharges in thousands	Percent of total discharges	Discharge rate per 10,000 population	Average length of stay in days
<u>Male</u>				
Total, all conditions <sup>1</sup> . . . . .	11,204	100.0	1,191.9	9.0
Arteriosclerotic heart disease . . . . . 420	616	5.5	65.5	13.8
Fractures, all sites . . . . . 800-826	542	4.8	57.6	11.5
Hypertrophy of tonsils and adenoids . . . . . 510	518	4.6	55.1	2.5
Malignant neoplasms . . . . . 140-205	472	4.2	50.2	15.1
Inguinal hernia . . . . . 560.0,561.0	447	4.0	47.5	7.3
Pneumonia, all forms . . . . . 490-493	373	3.3	39.7	9.0
Ulcer of stomach and duodenum . . . . . 540-542	275	2.5	29.3	10.2
Laceration and open wound . . . . . 870-898	251	2.2	26.7	5.6
<u>Female</u>				
Total, all conditions <sup>1</sup> . . . . .	16,801	100.0	1,658.2	8.1
Obstetrical conditions . . . . . 640-689,Y06-Y07	4,183	24.9	412.8	4.1
Malignant neoplasms . . . . . 140-205	570	3.4	56.3	15.5
Hypertrophy of tonsils and adenoids . . . . . 510	541	3.2	53.4	1.9
Fractures, all sites . . . . . 800-826	489	2.9	48.2	16.0
Arteriosclerotic heart disease . . . . . 420	440	2.6	43.5	15.5
Disorders of menstruation . . . . . 634	396	2.4	39.1	4.5
Cholelithiasis and cholecystitis . . . . . 584-585	362	2.2	35.7	10.7
Pneumonia, all forms . . . . . 490-493	329	2.0	32.4	10.7

<sup>1</sup> Includes data for diagnostic conditions not shown in table.

If sex-specific conditions are not included, the discharge rate for males was 1,139.3 discharges per 10,000 population, or 5 percent higher than the rate of 1,084.6 for females.

A number of the nonsex-specific diagnoses had a greater effect on one sex than the other. Of the patients with inguinal hernia, 89 percent were males, and of patients with malignant neoplasms of the breast, 98 percent were females. About 91 percent of inpatients with other diseases of the breast were females. Other diagnostic categories with large proportions of males were emphysema (80 percent), malignant neoplasms of thoracic organs (79 percent), lacerations and open wounds (72 percent), and malignant neoplasms of urinary organs (70 percent). When measured by number of discharges and days of care provided, acute coronary occlusion (66 percent) was the most important (4,489,000 days of care) of the diagnostic categories which affected larger proportions of males than of females. Diagnoses that affected mainly females were cystitis (77 percent), varicose veins of lower extremities (76 percent), cholelithiasis and cholecystitis (75 percent), fracture of the neck of the femur (74 percent), and psychoneurotic disorders (71 percent). Of these diagnostic categories, the largest number of days was used in the care of cholelithiasis and cholecystitis (3,884,000 days of care).

### Diagnosis by Age

Discharge rates for inpatients discharged from short-stay hospitals in 1968 for all causes increased consistently with age. The rate of discharges per 10,000 persons in the civilian, non-institutional population increased from 670.6 for those under age 15 to 3,007.6 for those aged 65 and over, or by four and a half times. However, there were differences in this age pattern for the various diagnostic classes and categories. Estimates of the number and annual rate of discharges and average length of stay by diagnostic class, category, and age are shown in tables 2-4.

For many of the classes of diseases, rates were higher for each older age group. For example, for malignant neoplasms the number of discharges per 10,000 population increased consistently with age from 3.0 for persons under 15 years of age to 248.7 for those 65 years and

over, and for diseases of the digestive system, from 89.9 for the youngest age group to 455.5 for the oldest (table 2). For congenital malformations, however, rates of discharge declined from 22.6 discharges per 10,000 population under age 15 to 4.7 for those aged 65 and over. The youngest and oldest age groups had the highest discharge rates per 10,000 population for persons with respiratory diseases, 260.6 for those under age 15, 91.2 for those aged 15-44 years, 124.6 for those aged 45-64 years, and 280.4 for those 65 years and over. On the other hand, the discharge rates for benign neoplasms and mental disorders were lowest for the youngest and oldest age groups. There were several other age-diagnosis patterns among the diagnostic classes, including predominance in a single age group as in the case of obstetrical conditions. Similar patterns by age were evident for various detailed diagnostic categories.

The annual rates of discharge for the five leading ICDA classes of diseases for each age group are shown in figure 2. The classes of the most frequently reported diseases were respiratory system diseases for those under age 15, obstetrical conditions for those aged 15-44 years, digestive system diseases for those aged 45-64 years, and circulatory system diseases for those aged 65 and over. Of all discharges in each age group shown in table 3, these classes accounted for 39 percent, 35 percent, 19 percent, and 22 percent of the discharges, respectively. Although more patients were hospitalized for obstetrical care than for any other condition, its impact (537.9 discharges per 10,000 population) on the group aged 15-44 years, the childbearing years, was less than that of diseases of the circulatory system (657.5 discharges per 10,000 population) on persons aged 65 and over.

The most frequently reported first-listed diagnostic conditions for each age group are shown by rates of discharge and average length of stay in tables G-K. Some of the diseases for which patients were hospitalized tended to be age specific. Average length of stay for most diagnostic categories was generally longer for older than for younger inpatients (table 4).

For the group under 15 years of age, the three leading diagnostic categories were diseases of the respiratory system—hypertrophy of tonsils and adenoids, pneumonia, and acute upper

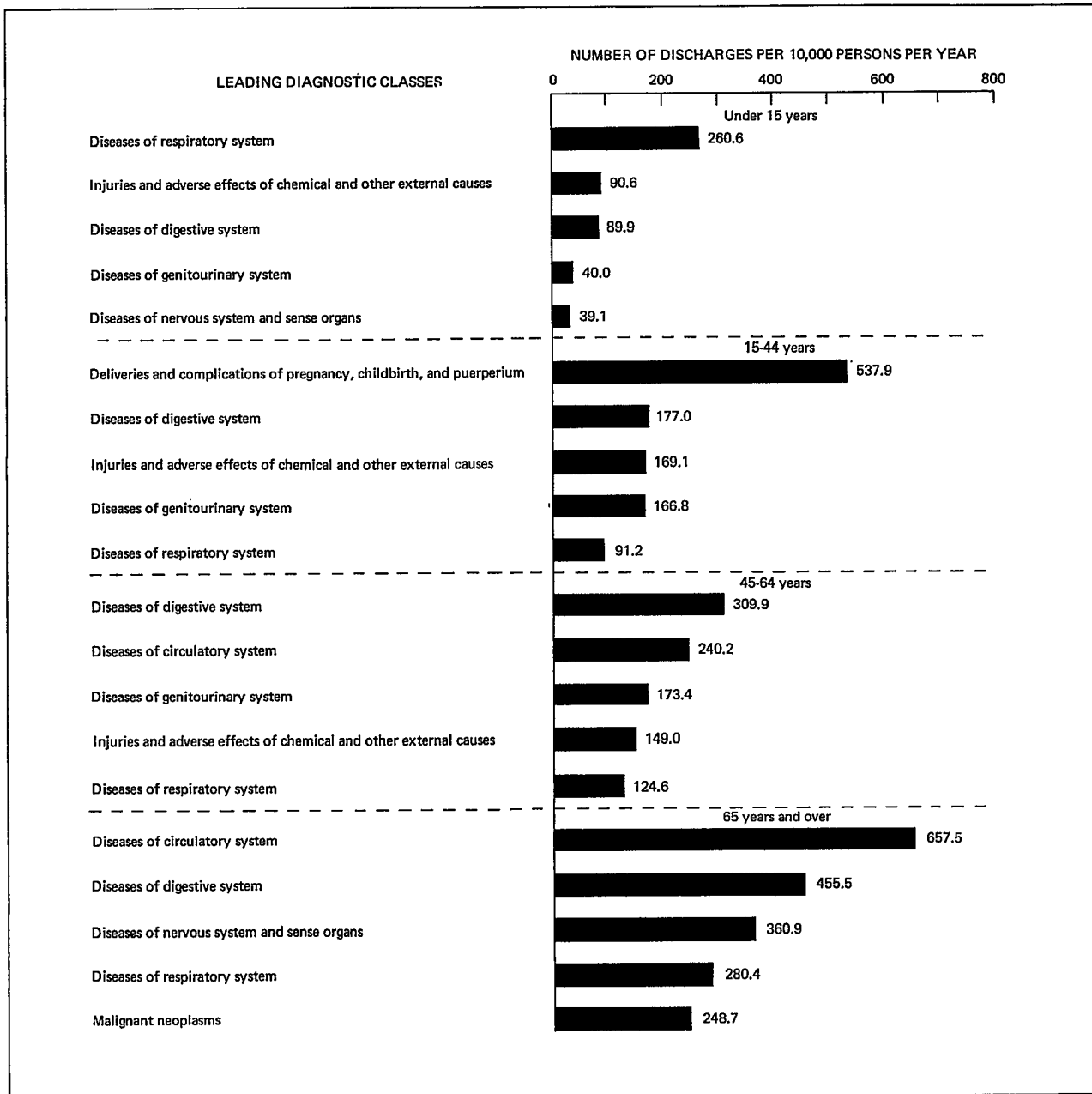


Figure 2. Annual rate of discharges for inpatients discharged from short-stay hospitals, by the leading diagnostic classes and age, excluding newborn infants: United States, 1968.

respiratory infections (table G). The discharge rates per 10,000 population for these diagnoses were 142.0, 48.3, and 37.2, respectively. Over a third (34 percent) of the inpatients in this age group were hospitalized for these conditions. Of

all patients hospitalized with these diagnoses (table 3), the group under 15 years of age included 80 percent with hypertrophy of tonsils and adenoids, 57 percent with acute upper respiratory infections, and 41 percent with pneu-

Table G. Number, percent, and annual rate of discharges and average length of stay for inpatients under 15 years of age discharged from short-stay hospitals, excluding newborn infants, by selected first-listed diagnostic conditions: United States, 1968

Diagnostic condition and ICDA codes	Number of discharges in thousands	Percent of total discharges	Discharge rate per 10,000 population	Average length of stay in days
<u>Under 15 years of age</u>				
Total, all conditions <sup>1</sup> .....	3,988	100.0	670.6	5.0
Respiratory system diseases:				
Acute upper respiratory infections ..... 470-475	221	5.6	37.2	4.5
Pneumonia, all forms ..... 490-493	288	7.2	48.3	6.7
Acute bronchitis ..... 500	70	1.8	11.8	4.8
Bronchitis, unqualified and chronic without emphysema . . . 501,502.9	73	1.8	12.2	5.1
Hypertrophy of tonsils and adenoids ..... 510	845	21.2	142.0	2.1
Digestive system diseases:				
Appendicitis ..... 550-552	116	2.9	19.5	5.8
Inguinal hernia ..... 560.0,561.0	124	3.1	20.9	3.5
Gastroenteritis ..... 571	178	4.5	30.0	4.6
Congenital malformations ..... 750-759	134	3.4	22.6	9.2
Injuries:				
Fractures, all sites ..... 800-826	196	4.9	32.9	7.5
Head injury (excluding skull fracture) ..... 850-856	98	2.5	16.5	3.4

<sup>1</sup> Includes data for diagnostic conditions not shown in table.

monia. Fractures and gastroenteritis ranked fourth and fifth in frequency of discharges for this age group.

Among the leading diagnostic conditions shown in table G for patients under age 15, the average length of stay was longest for congenital malformations (9.2 days), fractures (7.5 days), and pneumonia (6.7 days). Only about a third as many inpatients were hospitalized for pneumonia as for hypertrophy of tonsils and adenoids, but patients with pneumonia, for whom the average length of stay was 6.7 days, required more days of care (1,938,000 days) than patients with hypertrophy of tonsils and adenoids (1,811,000 days), for whom the average stay was 2.1 days.

Hospitalization of persons aged 15-44 years was dominated by the obstetrical conditions which accounted for over a third (35 percent) of all discharges in this age group (table H). The discharge rate for obstetrics was 537.9 discharges per 10,000 population. Other leading

diagnostic conditions and their discharge rates per 10,000 population were fractures (43.4), disorders of menstruation (36.5), lacerations and open wounds (27.5), and hypertrophy of tonsils and adenoids (27.2). Some diagnoses that occurred most frequently among persons aged 15-44 and the percent they represented of all discharges with these conditions were obstetrical conditions, 99 percent; disorders of menstruation, 71 percent; lacerations and open wounds, 61 percent; and psychoneurotic disorders, 60 percent. The average length of stay was highest for persons with malignant neoplasms (12.1 days).

In the group aged 45-64 years, discharges per 10,000 population were highest for malignant neoplasms (102.0), arteriosclerotic heart disease (101.7), fractures (57.3), cholelithiasis and cholecystitis (47.6), and ulcer of the stomach and duodenum (44.5) (table J). The group aged 45-64 years included about two-fifths of all patients with malignant neoplasms (39 percent),

Table H. Number, percent, and annual rate of discharges and average length of stay for inpatients aged 15-44 years discharged from short-stay hospitals, by selected first-listed diagnostic conditions: United States, 1968

Diagnostic condition and ICDA codes	Number of discharges in thousands	Percent of total discharges	Discharge rate per 10,000 population	Average length of stay in days
<u>15-44 years of age</u>				
Total, all conditions <sup>1</sup> . . . . .	12,036	100.0	1,557.9	6.1
Malignant neoplasms . . . . . 140-205	159	1.3	20.6	12.1
Psychoneurotic disorders . . . . . 324	163	1.4	21.2	10.7
Hypertrophy of tonsils and adenoids . . . . . 510	210	1.7	27.2	2.5
Digestive system diseases:				
Ulcer of stomach and duodenum . . . . . 540-542	157	1.3	20.4	8.6
Appendicitis . . . . . 550-552	176	1.5	22.8	6.7
Cholelithiasis and cholecystitis . . . . . 584-585	154	1.3	19.9	9.0
Disorders of menstruation . . . . . 634	282	2.3	36.5	4.6
Obstetrical conditions . . . . . 640-689, Y06-Y07	4,156	34.5	537.9	4.1
Injuries:				
Fractures, all sites . . . . . 800-826	335	2.8	43.4	10.3
Sprains and strains of back (including neck) . . . . . 846-847	166	1.4	21.5	7.5
Head injury (excluding skull fracture) . . . . . 850-856	154	1.3	19.9	6.7
Laceration and open wound . . . . . 870-898	213	1.8	27.5	5.1

<sup>1</sup> Includes data for diagnostic conditions not shown in table.

Table J. Number, percent, and annual rate of discharges and average length of stay for inpatients aged 45-64 years discharged from short-stay hospitals, by selected first-listed diagnostic conditions: United States, 1968

Diagnostic condition and ICDA codes	Number of discharges in thousands	Percent of total discharges	Discharge rate per 10,000 population	Average length of stay in days
<u>45-64 years of age</u>				
Total, all conditions <sup>1</sup> . . . . .	6,517	100.0	1,619.7	10.0
Malignant neoplasms . . . . . 140-205	410	6.3	102.0	15.1
Diabetes mellitus . . . . . 260	140	2.2	34.8	11.9
Vascular lesions affecting central nervous system . . . . . 330-334	120	1.8	29.8	14.7
Arteriosclerotic heart disease . . . . . 420	409	6.3	101.7	13.6
Pneumonia, all forms . . . . . 490-493	131	2.0	32.4	9.9
Digestive system diseases:				
Ulcer of stomach and duodenum . . . . . 540-542	179	2.7	44.5	10.7
Inguinal hernia . . . . . 560.0, 561.0	170	2.6	42.2	8.2
Cholelithiasis and cholecystitis . . . . . 584-585	191	2.9	47.6	10.8
Displacement of intervertebral disc . . . . . 735	111	1.7	27.6	12.8
Fractures, all sites . . . . . 800-826	231	3.5	57.3	12.7

<sup>1</sup> Includes data for diagnostic conditions not shown in table.

arteriosclerotic heart disease (39 percent), and ulcer of the stomach and duodenum (40 percent). Average lengths of stay were longest for malignant neoplasms (15.1 days), vascular lesions affecting the central nervous system (14.7 days), and arteriosclerotic heart disease (13.6 days).

For those aged 65 years and over, as for those aged 45-64, arteriosclerotic heart disease and malignant neoplasms were the two main causes of hospitalization (table K). The rate of discharges per 10,000 population for malignant neoplasms increased from 102.0 for patients aged 45-64 to 248.7 for those 65 years and over and for arteriosclerotic heart disease from 101.7 to 317.4. Other leading diagnostic conditions for the aged and the rates per 10,000 population were vascular lesions affecting the central nervous system (193.9), fractures (148.0), and pneumonia (100.9).

The average length of stay for persons 65 years and over was longest for fractures (23.0 days). For fractures other than of the neck of the femur, for which the average stay was 29.7 days, the average stay was 18.7 days. Other diagnostic groups with long average stays were vascular lesions affecting the central nervous

system (17.5 days), malignant neoplasms (16.8 days), and arteriosclerotic heart disease (15.5 days).

### Diagnosis by Color

Color of patients was identified on the hospital records of about 24.5 million of the estimated 28.1 million inpatients discharged from short-stay hospitals in 1968. Of all causes of hospitalization, obstetrical conditions for white patients represented only 14 percent of the discharges compared with 24 percent for all other patients. For patients with color stated as "white," diseases of the digestive system (3,181,000 discharges) ranked first and deliveries and the complications of pregnancy and the puerperium (2,964,000 discharges) ranked second among the diagnostic classes in number of inpatients discharged. In contrast, for patients with color stated as "all other," obstetrical conditions (699,000 discharges) and injuries (318,000 discharges) were the first and second ranking diagnostic classes. The diagnostic conditions for which patients were hospitalized in short-stay hospitals and the average length of stay are shown by color in table 5.

Table K. Number, percent, and annual rate of discharges and average length of stay for inpatients aged 65 years and over discharged from short-stay hospitals, by selected first-listed diagnostic conditions: United States, 1968

Diagnostic condition and ICDA codes	Number of discharges in thousands	Percent of total discharges	Discharge rate per 10,000 population	Average length of stay in days
<u>65 years and over</u>				
Total, all conditions <sup>1</sup> . . . . .	5,520	100.0	3,007.6	14.2
Malignant neoplasms . . . . . 140-205	456	8.3	248.7	16.8
Diabetes mellitus . . . . . 260	155	2.8	84.2	14.5
Vascular lesions affecting central nervous system . . . . . 330-334	356	6.4	193.9	17.5
Cataract . . . . . 385	153	2.8	83.2	8.4
Circulatory system diseases:				
Arteriosclerotic heart disease . . . . . 420	582	10.6	317.4	15.5
Congestive heart failure . . . . . 434.1	137	2.5	74.4	14.4
Pneumonia, all forms . . . . . 490-493	185	3.4	100.9	15.3
Cholelithiasis and cholecystitis . . . . . 584-585	136	2.5	74.3	13.7
Hyperplasia of prostate . . . . . 610	134	2.4	73.3	15.4
Fractures, all sites . . . . . 800-826	272	4.9	148.0	23.0

<sup>1</sup> Includes data for diagnostic conditions not shown in table.



Table L shows the most frequently reported diagnoses for white and all other patients. Arteriosclerotic heart disease ranked first among the nonobstetrical conditions for white patients and sixth for all other patients. Arteriosclerotic heart disease, which is associated with aging, was of greater importance to white than to all other patients because of the larger proportion of white than of all other patients in the older age groups (figure 1). Malignant neoplasms, fractures, hypertrophy of tonsils and adenoids, and

pneumonia were leading nonobstetric causes of hospitalization for both color groups.

The average length of stay for white patients was shorter than that for all other patients in every nonobstetric diagnostic class except injuries, for which the averages were about the same (9.5 days for white, 9.3 days for all other). The detailed listing of the diagnostic categories in table 5 shows that hospitalization for white and all other patients was longest for fracture of the neck of the femur (28.9 days and 26.1

Table L. Number and percent of discharges and average length of stay for inpatients discharged from short-stay hospitals, excluding newborn infants, by color and selected first-listed diagnostic conditions: United States, 1968

Color and diagnostic condition and ICDA codes	Number of discharges in thousands	Percent of total discharges	Average length of stay in days
<u>White</u> <sup>1</sup>			
Total, all conditions <sup>2</sup> .....	21,629	100.0	8.5
Malignant neoplasms ..... 140-205	839	3.9	15.3
Vascular lesions affecting central nervous system ..... 330-334	394	1.8	16.3
Arteriosclerotic heart disease ..... 420	883	4.1	14.6
Respiratory system diseases:			
Pneumonia, all forms ..... 490-493	535	2.5	10.1
Hypertrophy of tonsils and adenoids ..... 510	814	3.8	2.1
Digestive system diseases:			
Inguinal hernia ..... 560.0,561.0	402	1.9	7.3
Gastroenteritis ..... 571	408	1.9	5.1
Cholelithiasis and cholecystitis ..... 584-585	397	1.8	11.1
Obstetrical conditions ..... 640-689,Y06-Y07	2,964	13.7	4.1
Fractures, all sites ..... 800-826	816	3.8	13.9
<u>All other</u> <sup>1</sup>			
Total, all conditions <sup>2</sup> .....	2,907	100.0	8.8
Malignant neoplasms ..... 140-205	83	2.8	17.5
Diabetes mellitus ..... 260	49	1.7	14.9
Vascular lesions affecting central nervous system ..... 330-334	48	1.6	19.3
Arteriosclerotic heart disease ..... 420	52	1.8	15.7
Respiratory system diseases:			
Pneumonia, all forms ..... 490-493	86	2.9	8.8
Hypertrophy of tonsils and adenoids ..... 510	80	2.7	2.2
Gastroenteritis ..... 571	42	1.4	6.2
Obstetrical conditions ..... 640-689,Y06-Y07	699	24.0	4.1
Injuries:			
Fractures, all sites ..... 800-826	88	3.0	12.6
Laceration and open wound ..... 870-898	67	2.3	5.9

<sup>1</sup> Data are underreported because color was not recorded on the hospital records of an estimated 3.5 million patients.

<sup>2</sup> Includes data for diagnostic conditions not shown in table.

days, respectively) and for malignant neoplasms of the large intestine and rectum (21.1 days and 27.9 days, respectively). The shortest duration was 2.1 days for white patients and 2.2 days for all other patients with hypertrophy of tonsils and adenoids.

### Diagnosis by Geographic Region

Hospital utilization varied among the geographic regions. The estimated number of discharges from short-stay hospitals in 1968 ranged from 4,241,000 in the West Region to 8,872,000 in the South Region. In terms of discharge rates per 10,000 population, the lowest rate was for the West Region (1,308.8) and the highest was for the North Central (1,585.5). The rate for the North Central Region was 21 percent higher than that for the West. Tables 6-8 show the number and rate of discharges and average length of stay by diagnostic category.

The discharge rates for the ICDA diagnostic classes provide an overall view of the regional variations by diagnosis (table 8). Discharge rates were highest in the North Central Region for 11 of the 17 ICDA classes and were lowest in the West Region for eight classes. However, the highest discharge rates for mental disorders and for injuries were in the West Region.

The number of episodes of hospitalization for obstetrical conditions per 10,000 population ranged from 195.8 in the West Region to 235.3 in the North Central Region, a difference of 20

percent. Among the five leading nonobstetric classes, regional variations were largest for diseases of the respiratory system which had discharge rates that ranged from 124.7 discharges per 10,000 population in the Northeast to 191.7 in the South, a difference of 54 percent. The leading diagnostic classes for each region are presented in table M by rank order. Deliveries and complications of pregnancy and childbirth ranked first in all regions except the South, where a larger number of persons were hospitalized for diseases of the digestive system.

Discharge rates and average lengths of stay for some of the most frequently reported diagnostic conditions listed in tables 6-8 are summarized in table N. In all regions, leading non-obstetric causes of hospitalization were malignant neoplasms, arteriosclerotic heart disease, pneumonia, hypertrophy of tonsils and adenoids, and fractures, though not in the same order. For the selected diagnoses, the smallest percent difference in rate of discharges among the regions was for fractures. The range was from 49.5 discharges per 10,000 population for the Northeast to 57.3 for the West Region, a difference of 16 percent. The largest changes were in the discharge rates for gastroenteritis, which varied from 18.8 for the Northeast to 34.9 for the South, a difference of 86 percent. Regional differences in discharge rates by diagnosis are accounted for only in part by age differences in their populations.

For about two-thirds of the 108 diagnostic categories, the average lengths of stay in the

Table M. Rank order of discharge rates for obstetrical conditions and the five leading nonobstetric diagnostic classes, by geographic region: United States, 1968

Diagnostic class	Geographic region				
	All regions	Northeast	North Central	South	West
	Rank order				
Deliveries and complications of pregnancy, childbirth, and puerperium . . . . .	1	1	1	2	1
Diseases of the digestive system . . . . .	2	2	2	1	2
Diseases of the respiratory system . . . . .	3	6	3	3	4
Injuries and adverse effects of chemical and other external causes . . . . .	4	4	5	4	3
Diseases of the circulatory system . . . . .	5	3	6	5	6
Diseases of the genitourinary system . . . . .	6	5	4	6	5

Table N. Annual rate of discharges and average length of stay for inpatients discharged from short-stay hospitals, excluding newborn infants, by geographic region and selected first-listed diagnostic conditions: United States, 1968

Diagnostic condition and ICDA codes	Geographic region			
	Northeast	North Central	South	West
Discharges per 10,000 population				
Malignant neoplasms . . . . . 140-205	56.9	61.9	42.3	55.1
Vascular lesions affecting central nervous system . . . . . 330-334	23.3	28.7	26.9	22.6
Arteriosclerotic heart disease . . . . . 420	63.7	58.3	50.8	40.4
Respiratory system diseases:				
Pneumonia, all forms . . . . . 490-493	25.9	40.0	45.6	26.4
Hypertrophy of tonsils and adenoids . . . . . 510	45.5	63.4	49.7	60.7
Gastroenteritis . . . . . 571	18.8	26.2	34.9	19.8
Obstetrical conditions . . . . . 640-689,Y06-Y07	217.0	235.3	202.6	195.8
Fractures, all sites . . . . . 800-826	49.5	56.7	49.8	57.3
Average length of stay in days				
Malignant neoplasms . . . . . 140-205	17.7	16.1	13.8	12.5
Vascular lesions affecting central nervous system . . . . . 330-334	20.7	17.2	15.1	12.5
Arteriosclerotic heart disease . . . . . 420	16.4	15.6	12.6	11.9
Respiratory system diseases:				
Pneumonia, all forms . . . . . 490-493	13.3	9.5	9.0	8.2
Hypertrophy of tonsils and adenoids . . . . . 510	2.1	2.6	2.1	1.8
Gastroenteritis . . . . . 571	5.6	5.5	5.0	4.4
Obstetrical conditions . . . . . 640-689,Y06-Y07	4.6	4.4	3.7	3.3
Fractures, all sites . . . . . 800-826	17.0	14.5	11.9	11.0

Northeast and North Central Regions were higher than in the South and West Regions. This pattern prevailed for all selected diagnoses shown in table N, except hypertrophy of tonsils and adenoids. For all discharges, the average length of stay was longest in the Northeast (9.9 days) and North Central (8.8 days) Regions and was shortest in the South (7.8 days) and West (7.1 days) Regions (table 7).

### Length of Stay

The average length of stay for the diagnostic categories in this report ranged from 2.2 days for hypertrophy of tonsils and adenoids to 28.8 days for fracture of the neck of the femur (table 4). Of the 108 diagnostic categories, the average hospital stay was less than 6 days for 20 percent of the categories, 6.0-11.9 days for 51 percent, and 12 days or longer for 29 percent of the

categories. Some of the diagnostic categories with long average hospital stays were malignant neoplasms of the digestive and thoracic organs, diabetes mellitus, vascular lesions affecting the central nervous system, cardiovascular diseases, hyperplasia of prostate, and fracture of the neck of the femur. These conditions had their greatest impact on the older age groups. Some diagnostic categories with long hospital stays for which there were larger proportions of younger than of older patients were psychotic disorders, depressive reaction, fracture of lower limb other than the neck of the femur, and burns.

The average duration of hospitalization for selected diagnoses with high hospital fatality rates are shown by discharge status in table O for ages under 65 years and 65 years and over. The selected first-listed diagnostic conditions accounted for over half (51 percent) of all the deaths in short-stay hospitals during 1968.

Table O. Average length of stay for inpatients under 65 years and 65 years and over discharged from short-stay hospitals, excluding newborn infants, by discharge status and selected first-listed diagnostic conditions: United States, 1968

Diagnostic condition	All ages			Under 65 years			65 years and over		
	Total <sup>1</sup>	Dis- charged alive	Dis- charged dead	Total <sup>1</sup>	Dis- charged alive	Dis- charged dead	Total <sup>1</sup>	Dis- charged alive	Dis- charged dead
	Average length of stay in days								
Total, all conditions <sup>2</sup> . . . . .	8.5	8.2	14.8	7.0	6.9	13.7	14.2	14.1	15.5
Malignant neoplasms . . . . .	15.3	14.2	21.2	14.2	12.9	21.9	16.8	15.8	20.6
Diabetes mellitus . . . . .	12.2	12.3	12.1	10.7	10.7	11.3	14.5	14.6	12.7
Vascular lesions affecting central nervous system . . . . .	16.6	17.7	12.6	14.4	15.7	8.6	17.5	18.6	14.0
Acute coronary occlusion . . . . .	18.8	22.3	8.5	19.1	21.1	7.3	18.6	24.2	9.0
Pneumonia, all forms . . . . .	9.8	9.3	15.9	7.8	7.8	7.9	15.3	14.5	18.3

<sup>1</sup> Includes inpatients discharged for whom discharge status was not stated.

<sup>2</sup> Includes data for diagnostic conditions not shown in table.

The average length of stay was 8.2 days for patients discharged alive as contrasted with 14.8 days for patients discharged dead. For most of the diagnostic categories, the average length of stay for all patients was about the same as that for those discharged alive because few or no deaths occurred. However, this pattern was changed for some diagnostic categories for which fatality rates were high. Average length of stay was considerably higher for patients with malignant neoplasms and pneumonia who died than for those who were discharged alive. On the other hand, patients with acute coronary occlusion and vascular lesions affecting the central nervous system who survived were hospitalized longer than those who died. The average stay of patients with acute coronary occlusion who survived was almost 14 days longer than the average stay for the deceased. Hospital stays for patients with diabetes mellitus were about the same for patients discharged alive and those discharged dead.

Patients with multiple diagnoses were usually hospitalized for longer periods of time than those with a single diagnosis (table 9). Inpatients with only one diagnosis remained in hospitals an average of 6.5 days compared with 11.3 days for patients with multiple diagnoses. If obstetrical conditions are excluded, the average stays were

7.2 days and 11.5 days, respectively. This relationship prevailed for most diagnostic categories. For example, average length of stay for malignant neoplasms was 12.7 days as a single diagnosis and 17.6 days as the first of multiple diagnoses, for diabetes mellitus 8.9 days and 13.0 days, respectively. The average stays for vascular lesions affecting the central nervous system were 12.9 days and 18.6 days, respectively.

Multiple diagnoses were reported for about 40 percent of the patients discharged. Multiple diagnoses were reported more often for patients with chronic diseases such as diabetes, arteriosclerotic heart disease, and emphysema. The percent of multiple diagnoses was small for patients hospitalized for obstetrical conditions, hypertrophy of tonsils and adenoids, and appendicitis.

## DEATHS IN SHORT-STAY HOSPITALS

There were approximately 860,000 deaths (3.1 percent of all discharges) among the 28.1 million inpatients, excluding newborn infants, discharged from short-stay hospitals in 1968. Almost two-thirds (64 percent) of the deaths occurred among inpatients aged 65 and older.

The fatality rate by age increased from 0.5 deaths per 100 hospitalized patients under age 15 to 10.0 deaths per 100 hospitalized patients aged 65 years and over (table P).

Number of deaths and fatality rates by the first-listed diagnoses with the highest fatality rates are shown in table Q for patients of all ages, for those under age 65, and for those 65 and over. The number of deaths based on first-listed diagnoses was highest for diseases of the

heart (236,000 deaths), malignant neoplasms (170,000 deaths), and vascular lesions affecting the central nervous system (113,000 deaths). These diseases resulted in three-fifths of the hospital episodes that ended in death.

Fatality rates per 100 hospital episodes, by diagnostic category, were highest for acute coronary occlusion (25.1) and vascular lesions affecting the central nervous system (22.4). Deaths per 100 hospital episodes were higher for those aged 65 years and over than for those under age 65 for all the diagnostic conditions listed. The proportionate differences in the fatality rates between the two age groups were smallest for malignant neoplasms and vascular lesions. Almost half (48 percent) of the deaths among the aged due to injuries resulted from fracture of the neck of the femur.

Table P. Number and percent distribution of inpatients who died in short-stay hospitals, excluding newborn infants, and hospital fatality rates per 100 discharges, by age: United States, 1968

Age	Number of deaths in thousands	Percent distribution	Fatality rate per 100 discharges
All ages <sup>1</sup> . . . . .	860	100.0	3.1
Under 65 years . . . . .	309	35.9	1.4
Under 15 years . . . . .	22	2.5	0.5
15-44 years . . . . .	61	7.1	0.5
45-64 years . . . . .	226	26.3	3.5
65 years and over . . . . .	550	64.0	10.0

<sup>1</sup> Includes inpatients who died for whom age was not stated.

### ALL-LISTED DIAGNOSES

An estimated 47.4 million diagnoses were reported for the 28.1 million inpatients, excluding newborn infants, who were discharged from short-stay hospitals in 1968. Up to five diagnoses were coded for each medical record abstract in the survey. There was an average of

Table Q. Number of persons who died in short-stay hospitals and hospital fatality rates per 100 discharges, excluding newborn infants, by age and first-listed diagnostic conditions: United States, 1968

First-listed diagnostic condition and ICDA codes	All ages <sup>1</sup>	Under 65 years	65 years and over	All ages <sup>1</sup>	Under 65 years	65 years and over
	Number of deaths in thousands			Fatality rate per 100 discharges		
All deaths . . . . .	860	309	550	3.1	1.4	10.0
Malignant neoplasms . . . . . 140-205	170	79	91	16.3	13.5	19.9
Diabetes mellitus . . . . . 260	15	7	8	4.0	2.9	5.5
Vascular lesions affecting the central nervous system . . . . . 330-334	113	28	85	22.4	18.7	23.9
Diseases of the heart . . . . . 400-443	236	63	172	13.5	8.0	17.9
Acute coronary occlusion . . . . . 420.1	93	29	65	25.1	14.6	36.8
Other diseases of the heart . . . . . 400-420.0, 420.2-443	142	35	108	10.4	5.9	13.7
Pneumonia, all forms . . . . . 490-493	46	11	36	6.5	2.0	19.2
Injuries and adverse effects of chemical and other external causes . . . . . 800-999	49	25	24	1.7	1.0	5.4
All other diagnostic conditions . . . . . Residual	230	96	134	1.1	0.5	4.5

<sup>1</sup> Includes inpatients who died for whom age was not stated.

1.7 diagnoses recorded for each episode of hospitalization. The average was the same for males and females. The average number of diagnoses for patients under age 65 was 1.5, and for those aged 65 and over the average number was 2.3. The number of diagnoses for patients discharged is shown for the diagnostic categories by sex in table 10 and by age groups under 65 and 65 and over in table 11.

Based on all diagnoses reported for inpatients, the diagnostic classes with the largest frequencies were the diseases of the digestive, circulatory, and genitourinary systems. All-listed diagnoses of the circulatory system were more than double (224 percent) the number of first-listed diagnoses in this class, and diseases of the genitourinary system were almost double (192 percent) the number of first-listed diagnoses in this class.

Some diagnoses were reported more frequently as additional diagnoses (listed second to fifth on the hospital record) than as first-listed diagnoses. Diagnostic groups that were reported more frequently as additional than as first-listed diagnoses included diabetes mellitus, diseases of the blood and blood-forming organs, many of the cardiovascular diseases, emphysema, and osteoarthritis. For these diagnoses, the group aged 65 years and over accounted for the largest proportions of additional diagnoses compared with the number of first-listed diagnoses.

### HOSPITAL UTILIZATION IN 1968 COMPARED WITH 1965

The pattern of hospital utilization in 1968 changed decidedly from that in 1965. The numbers and rates of discharges and of days of care increased for persons 65 and over and decreased for persons under age 65. A large proportion of the increase in hospital utilization by those aged 65 years and over is attributable to Medicare—the Federal program of hospital insurance, which became effective July 1, 1966. Almost all persons 65 years and over became eligible for the benefits of this program.

The estimated number and rate of discharges and of days of care and average length of stay for persons under 65 and for those 65 and over for 1965 and 1968 are shown in table R. The discharge rate per 1,000 persons under 65 years

Table R. Number and rate of discharges and of days of care, average length of stay, and percent change from 1965 to 1968 for inpatients discharged from short-stay hospitals, by age: United States, 1965 and 1968

Age	1965	1968	Percent change from 1965 to 1968
	Number of discharges in thousands		
All ages <sup>1</sup> . . . . .	28,792	28,070	-2.5
Under 65 years . . . . .	24,099	22,541	-6.5
65 years and over . . . . .	4,600	5,520	20.0
	Discharge rate per 1,000 population		
All ages <sup>1</sup> . . . . .	151.7	143.7	-5.3
Under 65 years . . . . .	139.8	127.4	-8.9
65 years and over . . . . .	263.9	300.8	14.0
	Number of days of care in thousands		
All ages <sup>1</sup> . . . . .	225,011	237,201	5.4
Under 65 years . . . . .	164,218	158,727	-3.3
65 years and over . . . . .	60,090	78,400	30.5
	Rate of days of care per 1,000 population		
All ages <sup>1</sup> . . . . .	1,185.6	1,214.4	2.4
Under 65 years . . . . .	952.8	896.9	-5.9
65 years and over . . . . .	3,446.7	4,271.8	23.9
	Average length of stay in days		
All ages <sup>1</sup> . . . . .	7.8	8.5	9.0
Under 65 years . . . . .	6.8	7.0	2.9
65 years and over . . . . .	13.1	14.2	8.4

<sup>1</sup> Includes inpatients discharged for whom age was not stated.

of age decreased from 139.8 in 1965 to 127.4 in 1968, or by 8.9 percent. For persons aged 65 years and over, the discharge rate per 1,000 population increased from 263.9 to 300.8, or by 14.0 percent. Since about 80 percent of the

patients in 1968 were under 65 years of age, for all ages the discharge rate decreased by 5.3 percent. The most striking difference between 1965 and 1968 was a 23.9-percent increase in the rate of days of care for those aged 65 years and over. Average length of stay for both age groups increased from 1965 to 1968. For the group under 65 years of age, the average length of stay increased from 6.8 to 7.0 days, for the group aged 65 years and over, from 13.1 to 14.2 days.

Persons 65 years and over used a disproportionate share of the total hospital services provided before Medicare and an even greater proportion under Medicare. Persons in this age group represented only about 9 percent of the civilian, noninstitutional population, but in 1965 they accounted for 16.0 percent of the discharges, excluding newborn infants, and 26.7 percent of the days of care. These proportions increased each year to 19.7 percent of the discharges and 33.1 percent of the days of care by 1968 (figure 3).

For selected diagnostic conditions, the numbers and rates of discharge and average lengths of stay for inpatients under 65 years of age and 65 years and over in 1965 and 1968 are shown in table S. The 10 diagnostic conditions for each age group were selected because of their relatively high frequencies as first-listed diagnoses, excluding residual categories. The selected diagnoses accounted for over 40 percent of the discharges for each age group in 1965 and 1968.

Persons under age 65 experienced lower or about the same rates of discharge in 1968 as in 1965 for all the selected diagnostic conditions except arteriosclerotic heart disease, for which the number of discharges per 10,000 population increased from 23.4 to 27.0, or by 15 percent. Declines in discharge rates from 1965 to 1968 were largest for the three selected respiratory system diseases and for obstetrical conditions.

Discharge rates for inpatients 65 years and over were larger in 1968 than in 1965 for all the selected diagnoses except pneumonia, for which the rate was slightly lower. The discharge rate for cataract jumped from 51.6 discharges per 10,000 population in 1965 to 83.2 in 1968, or by 61 percent. Other diagnoses for which the

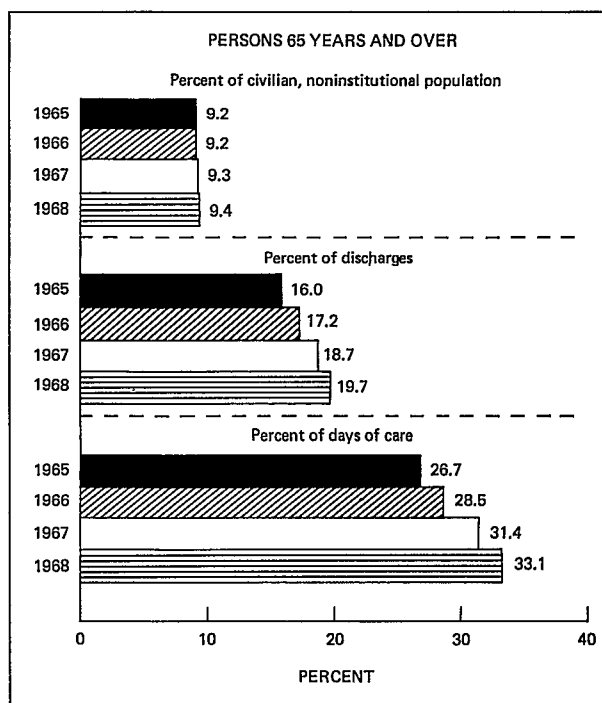


Figure 3. Percent that persons aged 65 years and over constitute of the total population, the total discharges, and the total days of care: United States, 1965-68.

number of discharges per 10,000 population increased substantially were congestive heart failure, from 51.0 to 74.4, or by 46 percent; vascular lesions affecting the central nervous system, from 138.7 to 193.9, or by 40 percent; and arteriosclerotic heart disease, from 250.8 to 317.4, or by 27 percent.

Average length of stay was generally longer in 1968 than in 1965 for both age groups. For persons under age 65, changes in average stay were small for the selected diagnoses. The largest change was an increase in the average stay for fractures from 8.9 to 10.3 days. For inpatients 65 years and older, the duration of hospitalization was longer in 1968 than in 1965 for 7 of the 10 selected diagnoses. Average hospital stays in 1968 were more than 2 days longer than in 1965 for patients with first-listed diagnoses of arteriosclerotic heart disease, congestive heart failure, pneumonia, and fractures.

Table S. Number and rate of discharges, and the average length of stay for inpatients discharged from short-stay hospitals, excluding newborn infants, by age and selected first-listed diagnostic conditions: United States, 1965 and 1968

Age and diagnostic condition and ICDA codes	1965	1968	1965	1968	1965	1968
	Number of discharges in thousands		Discharge rate per 10,000 population		Average length of stay in days	
Total <sup>1</sup> .....	28,792	28,070	1,517	1,437.1	7.8	8.5
<u>Under 65 years</u>						
All diagnostic conditions .....	24,099	22,541	1,398	1,273.7	6.8	7.0
Total selected conditions .....	10,139	9,168	588.3	518.1	5.5	5.9
Malignant neoplasms ..... 140-205	600	587	34.8	33.2	14.1	14.2
Arteriosclerotic heart disease ..... 420	403	478	23.4	27.0	13.8	13.3
Respiratory system diseases:						
Acute upper respiratory infections ..... 470-475	470	350	27.3	19.8	4.7	4.8
Pneumonia, all forms ..... 490-493	688	519	39.9	29.3	7.9	7.8
Hypertrophy of tonsils and adenoids ..... 510	1,188	1,061	68.9	60.0	1.9	2.2
Digestive system diseases:						
Inguinal hernia ..... 560.0,561.0	417	414	24.2	23.4	6.7	6.4
Gastroenteritis ..... 571	474	428	27.5	24.2	4.6	4.7
Disorders of menstruation ..... 634	367	386	21.3	21.8	4.0	4.5
Obstetrical conditions ..... 640-689,Y06-Y07	4,792	4,183	278.0	236.4	4.0	4.1
Fractures, all sites ..... 800-826	740	761	42.9	43.0	8.9	10.3
<u>65 years and over</u>						
All diagnostic conditions .....	4,600	5,520	2,638.8	3,007.6	13.1	14.2
Total selected conditions .....	2,081	2,566	1,193.6	1,398.4	15.1	16.1
Malignant neoplasms ..... 140-205	400	456	229.2	248.7	15.7	16.8
Diabetes mellitus ..... 260	138	155	79.1	84.3	15.0	14.5
Vascular lesions affecting central nervous system ..... 330-334	242	356	138.7	193.9	17.5	17.5
Cataract ..... 385	90	153	51.6	83.2	8.3	8.4
Circulatory system diseases:						
Arteriosclerotic heart disease ..... 420	437	582	250.8	317.4	13.4	15.5
Congestive heart failure ..... 434.1	89	137	51.0	74.4	12.0	14.4
Pneumonia, all forms ..... 490-493	182	185	104.1	100.9	13.0	15.3
Cholelithiasis and cholecystitis ..... 584-585	127	136	73.0	74.2	14.4	13.7
Hyperplasia of prostate ..... 610	126	134	72.0	73.3	13.8	15.4
Fractures, all sites ..... 800-826	251	272	144.0	148.0	20.9	23.0

<sup>1</sup> Includes inpatients discharged for whom age was not stated.



## REFERENCES

- <sup>1</sup>National Center for Health Statistics: Development of the design of the NCHS Hospital Discharge Survey. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 2-No. 39. Public Health Service. Washington. U.S. Government Printing Office, Sept. 1970.
- <sup>2</sup>National Center for Health Statistics: Inpatient utilization of short-stay hospitals by diagnosis, United States, 1965. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 13-No. 6. Public Health Service. Washington. U.S. Government Printing Office, May 1970.
- <sup>3</sup>National Center for Health Statistics: Utilization of short-stay hospitals, summary of nonmedical statistics, United States, 1965. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 13-No. 2. Public Health Service. Washington. U.S. Government Printing Office, Aug. 1967.
- <sup>4</sup>National Center for Health Statistics: Utilization of short-stay hospitals by characteristics of discharged patients, United States, 1965. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 13-No. 3. Public Health Service. Washington. U.S. Government Printing Office, Dec. 1967.
- <sup>5</sup>National Center for Health Statistics: Patients discharged from short-stay hospitals, by size and type of ownership, United States, 1965. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 13-No. 4. Public Health Service. Washington. U.S. Government Printing Office, Dec. 1968.
- <sup>6</sup>National Center for Health Statistics: Regional utilization of short-stay hospitals, United States, 1965. *Vital and Health Statistics*. PHS Pub. No. 100-Series 13-No. 5. Public Health Service, Washington. U.S. Government Printing Office, June 1969.
- <sup>7</sup>National Center for Health Statistics: Surgical operations in short-stay hospitals for discharged patients, United States, 1965. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 13-No. 7. Public Health Service. Washington. U.S. Government Printing Office, Apr. 1971.
- <sup>8</sup>National Center for Health Statistics: Utilization of short-stay hospitals, summary of nonmedical statistics, United States, 1966. *Vital and Health Statistics*. Series 13-No. 8. DHEW Pub. No. (HSM) 72-1006. Washington. U.S. Government Printing Office, Sept. 1971.
- <sup>9</sup>National Center for Health Statistics: Utilization of short-stay hospitals, summary of nonmedical statistics, United States, 1967. *Vital and Health Statistics*. Series 13-No. 9. DHEW Pub. No. (HSM) 72-1058. Washington. U.S. Government Printing Office, May 1972.
- <sup>10</sup>National Center for Health Statistics: *International Classification of Diseases, Adapted for Indexing Hospital Records by Diseases and Operations*, 2 vols., rev. ed. PHS Pub. No. 719. Public Health Service. Washington. U.S. Government Printing Office, Dec. 1962.
- <sup>11</sup>National Center for Health Statistics: Development and maintenance of a national inventory of hospitals and institutions. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 1-No. 3. Public Health Service. Washington. U.S. Government Printing Office, Feb. 1965.

## LIST OF DETAILED TABLES

		Page
Table 1.	Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and sex: United States, 1968 . . . . .	22
2.	Annual rate of discharges from short-stay hospitals, by class of first-listed diagnosis, selected diagnostic categories, sex, and age: United States, 1968 . . . . .	26
3.	Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968 . . . . .	28
4.	Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968 . . . . .	32
5.	Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and color: United States, 1968 . . . . .	36
6.	Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968 . . . . .	40
7.	Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968 . . . . .	44
8.	Annual rate of discharges from short-stay hospitals, by class of first-listed diagnosis, selected diagnostic categories, and geographic region: United States, 1968 . . . . .	48
9.	Number of inpatients discharged from short-stay hospitals and average length of stay, by category of single and first of multiple diagnoses: United States, 1968 . . . . .	50
10.	Number and percent distribution of all-listed diagnoses for inpatients discharged from short-stay hospitals, by diagnostic category and sex: United States, 1968 . . . . .	54
11.	Number and percent distribution of all-listed diagnoses for inpatients under 65 years and 65 years and over discharged from short-stay hospitals, by diagnostic category: United States, 1968 . . . . .	58

Table 1. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and sex: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Both sexes <sup>1</sup>	Male	Female	Both sexes	Male	Female
	Number of inpatients discharged in thousands			Average length of stay in days		
All conditions .....	28,070	11,204	16,801	8.5	9.0	8.1
Excluding obstetrical conditions (Class XI) .....	23,887	11,204	12,619	9.2	9.0	9.4
I. Infective and parasitic diseases ..... 002-138	319	161	157	9.9	10.5	9.3
Diseases attributable to viruses ..... 080-096	177	90	87	8.2	8.1	8.3
All other infective and parasitic diseases ..... 002-074,100-138	142	71	70	12.0	13.5	10.5
II. Neoplasms ..... 140-239	1,927	664	1,260	11.4	12.4	10.9
Malignant neoplasms ..... 140-205	1,044	472	570	15.3	15.1	15.5
Malignant neoplasm of large intestine and rectum ..... 153-154,199.2	117	53	64	21.3	19.4	22.9
Malignant neoplasm of other digestive organs and peritoneum ..... 150-152,155-159,199.1,199.3	78	44	33	17.6	17.1	18.4
Malignant neoplasm of thoracic organs ..... 162-165	102	81	21	17.5	16.7	20.7
Malignant neoplasm of breast ..... 170	112	2	109	15.7	10.8	15.8
Malignant neoplasm of uterus ..... 171-174	127	...	127	10.2	...	10.2
Malignant neoplasm of prostate ..... 177	58	58	...	14.3	14.3	...
Malignant neoplasm of urinary organs ..... 180-181,199.4	72	50	21	13.4	12.6	15.4
Neoplasms of lymphatic and hematopoietic tissues ..... 198,200-205	107	58	49	14.3	14.0	14.7
Malignant neoplasm of other and unspecified sites ..... Residual	272	125	146	14.6	13.5	15.6
Benign neoplasms and neoplasms of unspecified nature ..... 210-239	883	192	689	6.7	5.8	7.0
Uterine fibromyoma ..... 214	173	...	173	9.2	...	9.2
Other benign neoplasm of uterus ..... 215	104	...	104	6.2	...	6.2
Benign neoplasm of other female genital organs ..... 216-217	118	...	118	7.5	...	7.5
Benign neoplasm of skin ..... 220-222	95	56	39	5.9	5.3	7.0
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature ..... Residual	393	136	256	5.8	6.0	5.7
III. Allergic, endocrine system, metabolic, and nutritional diseases ..... 240-289	785	283	499	10.4	10.8	10.2
Hay fever and asthma ..... 240-241	134	56	77	8.3	9.3	7.5
Diseases of thyroid gland ..... 250-254	117	18	99	7.8	8.4	7.7
Diabetes mellitus ..... 260	385	146	237	12.2	11.9	12.5
All other allergic, endocrine, metabolic, and nutritional diseases ..... Residual	149	62	86	9.5	10.1	9.1
IV. Diseases of blood and blood-forming organs ..... 290-299	175	79	95	10.7	9.9	11.4
V. Mental, psychoneurotic, and personality disorders ..... 300-329	799	356	441	12.2	11.4	12.9
Acute brain disorders ..... 300-307	90	59	31	6.2	5.8	6.8
Chronic brain disorders ..... 308-317	47	23	23	18.3	17.7	18.8
Psychotic disorders ..... 318-322	151	59	91	20.1	19.3	20.6
Depressive reaction ..... 324.5	119	33	87	15.6	18.6	14.4
Other psychoneurotic disorders ..... 324.0-324.4,324.9	150	44	105	7.8	7.7	7.8
All other mental, psychoneurotic, and personality disorders ..... Residual	243	137	105	9.5	8.7	10.5

See footnotes at end of table.

Table 1. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and sex: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Both sexes <sup>1</sup>	Male	Female	Both sexes	Male	Female
	Number of inpatients discharged in thousands			Average length of stay in days		
VI. Diseases of the nervous system and sense organs . . . . . 330-398	1,542	730	806	11.0	10.6	11.5
Vascular lesions affecting central nervous system . . . . . 330-334	504	244	258	16.6	15.3	17.8
Other diseases of central nervous system . . . . . 340-357	243	116	126	13.7	14.1	13.4
Diseases of nerves and peripheral ganglia . . . . . 360-369	136	58	78	9.8	10.0	9.5
Cataract . . . . . 385	217	92	124	8.0	8.1	7.9
Other diseases and conditions of eye . . . . . 370-384,386-389	217	112	104	5.9	5.4	6.3
Diseases of ear and mastoid process . . . . . 390-398	225	109	115	4.4	3.8	5.0
VII. Diseases of the circulatory system . . . . . 400-468	2,669	1,337	1,321	12.7	12.5	13.0
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	94	39	55	13.0	13.1	12.9
Arteriosclerotic heart disease so described . . . . . 420.0	349	168	178	14.0	12.4	15.4
Acute coronary occlusion . . . . . 420.1	372	246	124	18.8	18.2	20.1
Other arteriosclerotic heart disease . . . . . 420.2-420.5	341	202	138	10.3	9.5	11.6
Congestive heart failure . . . . . 434.1	182	86	95	13.7	12.7	14.6
Hypertensive heart disease . . . . . 442-443	93	37	55	12.3	11.4	13.0
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	317	155	161	11.5	11.1	11.9
Other hypertensive disease . . . . . 446-447	157	59	98	9.5	8.4	10.1
General arteriosclerosis . . . . . 450	72	36	36	17.5	17.1	18.0
Varicose veins of lower extremities . . . . . 460	124	29	95	9.3	11.9	8.6
Hemorrhoids (with or without ulcer) . . . . . 461	208	115	92	7.1	7.0	7.2
All other diseases of circulatory system . . . . . Residual	361	166	194	13.0	13.4	12.7
VIII. Diseases of the respiratory system . . . . . 470-527	3,272	1,685	1,577	6.3	6.4	6.1
Acute upper respiratory infections . . . . . 470-475	387	195	191	5.2	4.8	5.7
Influenza . . . . . 480-483	185	74	111	7.3	7.7	7.1
Pneumonia, all forms . . . . . 490-493	704	373	329	9.8	9.0	10.7
Acute bronchitis (or subacute) . . . . . 500	184	94	90	6.9	7.0	6.8
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	199	92	105	6.9	6.7	7.1
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	146	117	30	12.6	12.1	14.4
Hypertrophy of tonsils and adenoids . . . . . 510	1,062	518	541	2.2	2.5	1.9
All other diseases of respiratory system . . . . . Residual	405	222	180	8.3	8.4	8.1
IX. Diseases of the digestive system . . . . . 530-587	3,986	1,971	2,004	8.2	7.9	8.6
Diseases of the buccal cavity and esophagus . . . . . 530-539	301	121	180	3.7	3.6	3.8
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	445	275	169	10.7	10.2	11.4
Gastritis and duodenitis . . . . . 543	243	113	129	6.0	5.4	6.5
Appendicitis . . . . . 550-552	334	185	148	6.8	6.5	7.2
Inguinal hernia . . . . . 560.0,561.0	502	447	54	7.2	7.3	5.9
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	259	98	161	9.1	8.0	9.8
Intestinal obstruction without mention of hernia . . . . . 570	115	43	72	11.9	10.5	12.8
Gastroenteritis and colitis, except ulcerative . . . . . 571	509	210	298	5.2	4.7	5.5
Chronic enteritis and ulcerative colitis . . . . . 572	192	67	124	10.2	10.1	10.2
Cholelithiasis and cholecystitis . . . . . 584-585	482	119	362	11.0	12.0	10.7
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	190	103	86	13.9	13.1	15.0
All other diseases of digestive system . . . . . Residual	415	191	223	8.2	8.0	8.3

See footnotes at end of table.

Table 1. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and sex: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Both sexes <sup>1</sup>	Male	Female	Both sexes	Male	Female
	Number of inpatients discharged in thousands			Average length of stay in days		
X. Diseases of the genitourinary system . . . . . 590-637	2,647	884	1,760	7.2	8.5	6.5
Infections of kidney . . . . . 600	160	45	115	8.9	10.1	8.5
Calculi of kidney and ureter . . . . . 602	211	144	65	7.0	6.6	7.9
Other diseases of kidney and ureter . . . . . 590-594,601,603	178	109	68	7.8	6.2	10.2
Cystitis . . . . . 605	173	40	133	6.2	6.8	6.1
All other diseases of urinary system . . . . . 604,606-609	273	123	149	7.9	9.8	6.3
Hyperplasia of prostate . . . . . 610	191	191	...	14.1	14.1	...
Other diseases of male genital organs . . . . . 611-617	217	217	...	5.5	5.5	...
Diseases of breast (includes male breast) . . . . . 620-621	173	15	158	4.4	3.9	4.5
Cervicitis . . . . . 630.0	131	...	131	5.7	...	5.7
Uterovaginal prolapse . . . . . 631	166	...	166	11.0	...	11.0
Disorders of menstruation . . . . . 634	396	...	396	4.5	...	4.5
Other diseases of female genital organs . . . . . Residual	379	...	379	6.6	...	6.6
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	4,183	...	4,183	4.1	...	4.1
Abortion . . . . . 650	317	...	317	3.8	...	3.8
Delivery without mention of complication . . . . . 660	2,697	...	2,697	4.1	...	4.1
Delivery with complications of childbirth . . . . . 670-678	650	...	650	5.1	...	5.1
All other complications of pregnancy and childbirth . . . . . Residual	519	...	519	3.2	...	3.2
XII. Diseases of the skin and cellular tissue . . . . . 690-716	388	186	202	8.4	8.0	8.6
Infections of skin and subcutaneous tissue . . . . . 690-698	162	92	70	7.9	7.8	8.1
All other diseases of skin and cellular tissue . . . . . Residual	226	94	132	8.6	8.3	8.9
XIII. Diseases of the bones and organs of movement . . . . . 720-749	1,080	496	581	10.4	9.9	10.7
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	137	56	80	12.3	11.7	12.7
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	191	75	116	11.8	9.9	13.1
Displacement of intervertebral disc . . . . . 735	256	147	108	12.9	12.6	13.2
Synovitis, bursitis, and tenosynovitis . . . . . 741	138	58	80	4.9	4.7	5.0
All other diseases of bones and organs of movement . . . . . Residual	357	160	196	9.1	8.7	9.4
XIV. Congenital malformations . . . . . 750-759	228	126	102	9.3	9.5	9.1
XV. Certain diseases of early infancy . . . . . 760-776	51	28	22	10.8	9.8	12.0
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	1,134	545	585	6.7	6.3	7.1
Symptoms referable to respiratory system . . . . . 783	123	70	52	5.3	5.4	5.1
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	211	82	128	5.8	4.9	6.4
All other symptoms . . . . . 780-782,786-789	486	254	229	7.5	7.0	8.0
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	131	63	68	4.3	4.1	4.6
Senility, ill-defined conditions, undiagnosed diseases, and diagnosis not codable . . . . . 790-792,794-795	183	75	107	8.2	7.7	8.4

See footnotes at end of table.

Table 1. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and sex: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Both sexes <sup>1</sup>	Male	Female	Both sexes	Male	Female
	Number of inpatients discharged in thousands			Average length of stay in days		
XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0	2,886	1,674	1,206	9.4	8.2	11.0
Fracture of skull and face bones . . . . . 800-803	127	89	37	8.0	8.2	7.5
Fracture of upper limb(s) . . . . . 812-817	278	145	133	6.9	5.3	8.5
Fracture of neck of femur . . . . . 820	141	37	104	28.8	28.4	28.9
Other fracture of lower limb(s) . . . . . 821-826	299	170	129	14.6	13.9	15.7
Fracture of other and multiple sites . . . . . 805-811	188	102	86	14.5	13.0	16.2
Dislocation without fracture . . . . . 830-839	117	86	30	6.4	6.1	7.3
Sprains and strains of back (including neck) . . . . . 846-847	274	140	134	7.9	7.3	8.6
Head injury (excluding skull fracture) . . . . . 850-856	323	215	108	6.1	5.6	7.2
Laceration and open wound of eye, ear, and face . . . . . 870-873	95	65	30	4.9	4.9	4.8
Laceration and open wound of other and multiple sites . . . . . 874-898	252	186	66	5.9	5.8	6.5
Burns . . . . . 940-949	92	62	30	15.7	14.9	17.7
All other injuries . . . . . Residual 800-959,Y10.0	415	248	165	6.9	6.6	7.3
Adverse effects of chemical and other external causes . . . . . 960-999	284	129	154	6.4	6.1	6.7

<sup>1</sup> Includes inpatients discharged for whom sex was not stated.

<sup>2</sup> Caution should be exercised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. See appendix I on the reliability of estimates.

Table 2. Annual rate of discharges from short-stay hospitals, by class of first-listed diagnosis, selected diagnostic categories, sex, and age: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All discharges <sup>1</sup>	Male	Female	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
	Number of discharges per 10,000 population							
All conditions .....	1,437.1	1,191.9	1,658.2	1,273.7	670.6	1,557.9	1,619.7	3,007.6
Excluding obstetrical conditions (Class XI) .....	1,223.0	1,191.9	1,245.4	1,037.4	667.6	1,020.0	1,617.4	3,007.6
I. Infective and parasitic diseases ..... 002-138	16.3	17.1	15.5	15.8	15.4	17.5	13.1	21.3
II. Neoplasms ..... 140-239	98.7	70.7	124.3	78.8	11.5	82.2	171.7	289.9
Malignant neoplasms ..... 140-205	53.5	50.2	56.3	33.2	3.0	20.6	102.0	248.7
Benign neoplasms and neoplasms of unspecified nature ..... 210-239	45.2	20.4	68.0	45.6	8.5	61.6	69.7	41.2
III. Allergic, endocrine system, metabolic, and nutritional diseases ..... 240-289	40.2	30.1	49.2	31.6	11.3	28.7	67.3	122.5
Hay fever and asthma ..... 240-241	6.9	6.0	7.6	6.0	5.3	4.8	9.5	14.7
Diabetes mellitus ..... 260	19.7	15.6	23.4	13.0	2.3	10.0	34.8	84.2
IV. Diseases of blood and blood-forming organs ..... 290-299	8.9	8.4	9.4	6.3	5.2	5.1	10.1	34.6
V. Mental, psychoneurotic, and personality disorders ..... 300-329	40.9	37.8	43.6	39.9	5.0	56.0	60.6	50.5
Psychotic disorders ..... 318-322	7.7	6.3	9.0	7.9	<sup>2</sup> 0.3	12.1	11.3	5.4
Depressive reaction ..... 324.5	6.1	3.5	8.5	6.1	*	9.7	8.2	6.0
Other psychoneurotic disorders ..... 324.0-324.4,324.9	7.7	4.7	10.4	7.8	0.7	11.4	11.2	6.5
VI. Diseases of the nervous system and sense organs ..... 330-398	78.9	77.7	79.5	49.7	39.1	33.8	95.9	360.9
Vascular lesions affecting central nervous system ..... 330-334	25.8	25.9	25.5	8.4	<sup>2</sup> 1.4	2.6	29.8	193.9
Cataract ..... 385	11.1	9.7	12.3	3.6	0.7	0.8	13.4	83.2
VII. Diseases of the circulatory system ..... 400-468	136.6	142.3	130.4	82.5	10.8	55.7	240.2	657.5
Arteriosclerotic heart disease so described ..... 420.0	17.8	17.9	17.6	4.8	*	0.9	19.6	143.1
Acute coronary occlusion ..... 420.1	19.0	26.2	12.2	11.0	*	3.5	41.7	96.0
Other arteriosclerotic heart disease ..... 420.2-420.5	17.5	21.5	13.6	11.1	*	4.5	40.5	78.3
Hemorrhoids (with or without ulcer) ..... 461	10.6	12.2	9.1	10.7	*	12.9	22.2	10.1
VIII. Diseases of the respiratory system ..... 470-527	167.5	179.2	155.6	155.7	260.6	91.2	124.6	280.4
Acute upper respiratory infections ..... 470-475	19.8	20.7	18.8	19.8	37.2	11.1	10.5	20.3
Pneumonia, all forms ..... 490-493	36.0	39.7	32.4	29.3	48.3	13.0	32.4	100.9
Hypertrophy of tonsils and adenoids ..... 510	54.4	55.1	53.4	60.0	142.0	27.2	1.6	-
IX. Diseases of the digestive system ..... 530-587	204.1	209.7	197.8	177.9	89.9	177.0	309.9	455.5
Ulcer of stomach and duodenum, and gastrojejunal ulcer ..... 540-542	22.8	29.3	16.7	19.3	1.0	20.4	44.5	55.9
Appendicitis ..... 550-552	25.7	47.5	5.4	23.4	20.9	15.6	42.2	47.6
Inguinal hernia ..... 560.0,561.0	25.7	47.5	5.4	23.4	20.9	15.6	42.2	47.6
Gastroenteritis and colitis, except ulcerative ..... 571	26.1	22.3	29.4	24.2	30.0	19.1	25.4	43.8
Cholelithiasis and cholecystitis ..... 584-585	24.7	12.6	35.7	19.5	<sup>2</sup> 0.1	19.9	47.6	74.2
X. Diseases of the genitourinary system ..... 590-637	135.5	94.0	173.7	125.7	40.0	166.8	173.4	230.0
Hyperplasia of prostate ..... 610	9.8	20.3	...	3.2	-	<sup>2</sup> 0.2	13.6	73.3
Disorders of menstruation ..... 634	20.3	...	39.1	21.8	0.7	36.5	24.9	5.2
XI. Deliveries and complications of pregnancy, childbirth, and puerperium ..... 640-689,Y06-Y07	214.1	...	412.8	236.4	3.0	537.9	2.3	...
XII. Diseases of the skin and cellular tissue ..... 690-716	19.9	19.7	19.9	18.5	11.1	20.8	25.1	33.1

See footnotes at end of table.

Table 2. Annual rate of discharges from short-stay hospitals, by class of first-listed diagnosis, selected diagnostic categories, sex, and age: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All discharges <sup>1</sup>	Male	Female	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
Number of discharges per 10,000 population								
XIII. Diseases of the bones and organs of movement . . . . . 720-749	55.3	52.8	57.4	49.7	14.5	52.8	95.8	109.4
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	7.0	6.0	7.9	4.2	*	2.1	14.3	34.2
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	9.8	8.0	11.5	8.0	1.6	7.8	17.8	27.1
Displacement of intervertebral disc . . . . . 735	13.1	15.7	10.7	13.5	*	16.5	27.6	9.2
XIV. Congenital malformations . . . . . 750-759	11.7	13.4	10.1	12.4	22.6	7.8	6.3	4.7
XV. Certain diseases of early infancy . . . . . 760-776	2.6	3.0	2.2	2.9	8.5	...	...	...
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	58.1	58.0	57.7	51.8	31.6	55.6	74.5	117.9
XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0	147.8	178.1	119.0	138.1	90.6	169.1	149.0	239.5
Fractures, all sites . . . . . 800-826	52.9	57.6	48.2	43.0	32.9	43.4	57.3	148.0
Head injury (excluding skull fracture) . . . . . 850-856	16.5	22.9	10.6	16.8	16.5	19.9	11.2	14.1
Laceration and open wound . . . . . 870-898	17.8	26.7	9.5	18.1	8.6	27.5	14.2	8.8

<sup>1</sup> Includes inpatients discharged for whom sex or age was not stated.

<sup>2</sup> Caution should be exercised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. See appendix I on the reliability of estimates.



Table 3. Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
	Number of inpatients discharged in thousands					
All conditions . . . . .	28,070	22,541	3,988	12,036	6,517	5,520
Excluding obstetrical conditions (Class XI) . . . . .	23,887	18,359	3,970	7,880	6,508	5,520
I. Infective and parasitic diseases . . . . . 002-138	319	280	92	135	53	39
Diseases attributable to viruses . . . . . 080-096	177	158	54	83	21	19
All other infective and parasitic diseases . . . . . 002-074,100-138	142	122	37	52	32	20
II. Neoplasms . . . . . 140-239	1,927	1,395	69	635	691	532
Malignant neoplasms . . . . . 140-205	1,044	587	18	159	410	456
Malignant neoplasm of large intestine and rectum . . . . . 153-154,199.2	117	47	*	7	40	69
Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152,155-159,199.1,199.3	78	37	-	4	33	41
Malignant neoplasm of thoracic organs . . . . . 162-165	102	56	-	5	51	46
Malignant neoplasm of breast . . . . . 170	112	74	*	19	55	38
Malignant neoplasm of uterus . . . . . 171-174	127	96	*	48	48	30
Malignant neoplasm of prostate . . . . . 177	58	10	-	-	10	48
Malignant neoplasm of urinary organs . . . . . 180-181,199.4	72	29	<sup>2</sup> 1	4	24	43
Neoplasms of lymphatic and hematopoietic tissues . . . . . 198,200-205	107	67	7	23	37	40
Malignant neoplasm of other and unspecified sites . . . . . Residual	272	171	9	48	114	101
Benign neoplasms and neoplasms of unspecified nature . . . . . 210-239	883	807	51	476	281	76
Uterine fibromyoma . . . . . 214	173	170	-	91	79	3
Other benign neoplasm of uterus . . . . . 215	104	98	*	54	44	6
Benign neoplasm of other female genital organs . . . . . 216-217	118	115	<sup>2</sup> 2	93	20	3
Benign neoplasm of skin . . . . . 220-222	95	93	11	73	9	<sup>2</sup> 2
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature . . . . . Residual	393	331	37	165	129	62
III. Allergic, endocrine system, metabolic, and nutritional diseases . . . . . 240-289	785	560	67	222	271	225
Hay fever and asthma . . . . . 240-241	134	107	32	37	38	27
Diseases of thyroid gland . . . . . 250-254	117	104	<sup>2</sup> 3	57	44	13
Diabetes mellitus . . . . . 260	385	231	13	77	140	155
All other allergic, endocrine, metabolic, and nutritional diseases . . . . . Residual	149	118	19	51	48	30
IV. Diseases of blood and blood-forming organs . . . . . 290-299	175	111	31	40	41	64
V. Mental, psychoneurotic, and personality disorders . . . . . 300-329	799	706	30	432	244	93
Acute brain disorders . . . . . 300-307	90	81	6	41	34	9
Chronic brain disorders . . . . . 308-317	47	14	<sup>2</sup> 3	3	8	33
Psychotic disorders . . . . . 318-322	151	141	<sup>2</sup> 2	94	45	10
Depressive reaction . . . . . 324.5	119	108	*	75	33	11
Other psychoneurotic disorders . . . . . 324.0-324.4,324.9	150	137	4	88	45	12
All other mental, psychoneurotic, and personality disorders . . . . . Residual	243	223	14	132	79	18

See footnotes at end of table.

Table 3. Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
Number of inpatients discharged in thousands						
VI. Diseases of the nervous system and sense organs . . . . . 330-398	1,542	879	232	261	386	662
Vascular lesions affecting central nervous system . . . . . 330-334	504	149	<sup>2</sup> 8	20	120	356
Other diseases of central nervous system . . . . . 340-357	243	189	44	81	63	54
Diseases of nerves and peripheral ganglia . . . . . 360-369	136	107	4	51	52	29
Cataract . . . . . 385	217	64	4	6	54	153
Other diseases and conditions of eye . . . . . 370-384,386-389	217	169	80	44	45	48
Diseases of ear and mastoid process . . . . . 390-398	225	202	92	58	52	23
VII. Diseases of the circulatory system . . . . . 400-468	2,669	1,461	64	431	966	1,207
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	94	78	11	25	41	16
Arteriosclerotic heart disease so described . . . . . 420.0	349	86	*	7	79	263
Acute coronary occlusion . . . . . 420.1	372	195	*	27	168	176
Other arteriosclerotic heart disease . . . . . 420.2-420.5	341	197	*	34	163	144
Congestive heart failure . . . . . 434.1	182	45	<sup>2</sup> 1	5	39	137
Hypertensive heart disease . . . . . 442-443	93	41	-	7	35	52
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	317	142	7	37	99	174
Other hypertensive disease . . . . . 446-447	157	114	<sup>2</sup> 1	43	70	43
General arteriosclerosis . . . . . 450	72	20	-	<sup>2</sup> 2	17	53
Varicose veins of lower extremities . . . . . 460	124	103	*	51	52	21
Hemorrhoids (with or without ulcer) . . . . . 461	208	189	*	99	89	19
All other diseases of circulatory system . . . . . Residual	361	250	43	93	115	111
VIII. Diseases of the respiratory system . . . . . 470-527	3,272	2,756	1,550	705	501	515
Acute upper respiratory infections . . . . . 470-475	387	350	221	86	42	37
Influenza . . . . . 480-483	185	434	<sup>2</sup> 22	62	50	51
Pneumonia, all forms . . . . . 490-493	704	519	288	101	131	185
Acute bronchitis (or subacute) . . . . . 500	184	148	70	33	45	36
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	199	164	73	40	51	35
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	146	63	<sup>2</sup> 1	5	57	83
Hypertrophy of tonsils and adenoids . . . . . 510	1,062	1,061	845	210	6	-
All other diseases of respiratory system . . . . . Residual	405	317	31	168	119	87
IX. Diseases of the digestive system . . . . . 530-587	3,986	3,149	535	1,367	1,247	836
Diseases of the buccal cavity and esophagus . . . . . 530-539	301	274	33	172	68	27
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	445	342	6	157	179	103
Gastritis and duodenitis . . . . . 543	243	207	15	115	77	35
Appendicitis . . . . . 550-552	324	321	116	176	29	13
Inguinal hernia . . . . . 560.0,561.0	502	414	124	120	170	87
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	259	179	23	58	98	80
Intestinal obstruction without mention of hernia . . . . . 570	115	65	7	23	35	50
Gastroenteritis and colitis, except ulcerative . . . . . 571	509	428	178	148	102	80
Chronic enteritis and ulcerative colitis . . . . . 572	192	103	3	32	69	88
Cholelithiasis and cholecystitis . . . . . 584-585	482	346	<sup>2</sup> 1	154	191	136
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	190	148	4	56	88	41
All other diseases of digestive system . . . . . Residual	415	320	24	156	140	95

See footnotes at end of table.

Table 3. Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
Number of inpatients discharged in thousands						
X. Diseases of the genitourinary system . . . . . 590-637	2,647	2,224	238	1,288	698	422
Infections of kidney . . . . . 600	160	123	20	68	35	37
Calculi of kidney and ureter . . . . . 602	211	182	<sup>2</sup> 1	95	86	28
Other diseases of kidney and ureter . . . . . 590-594,601,603	178	159	30	<sup>2</sup> 89	40	18
Cystitis . . . . . 605	173	134	23	66	45	39
All other diseases of urinary system . . . . . 604,606-609	273	208	76	73	59	65
Hyperplasia of prostate . . . . . 610	191	56	-	<sup>2</sup> 2	55	134
Other diseases of male genital organs . . . . . 611-617	217	187	70	66	51	29
Diseases of breast (includes male breast) . . . . . 620-621	173	166	3	99	63	7
Cervicitis . . . . . 630.0	131	127	*	98	29	4
Uterovaginal prolapse . . . . . 631	166	132	*	68	63	34
Disorders of menstruation . . . . . 634	396	386	4	282	100	9
Other diseases of female genital organs . . . . . Residual	379	363	8	283	72	16
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	4,183	4,183	18	4,156	9	...
Abortion . . . . . 650	317	317	<sup>2</sup> 1	313	<sup>2</sup> 2	...
Delivery without mention of complication . . . . . 660	2,697	2,697	8	2,684	5	...
Delivery with complications of childbirth . . . . . 670-678	650	650	5	644	<sup>2</sup> 1	...
All other complications of pregnancy and childbirth . . . . . Residual	519	519	3	515	*	...
XII. Diseases of the skin and cellular tissue . . . . . 690-716	388	327	66	160	101	61
Infections of skin and subcutaneous tissue . . . . . 690-698	162	138	37	65	36	24
All other diseases of skin and cellular tissue . . . . . Residual	226	189	29	95	65	37
XIII. Diseases of the bones and organs of movement . . . . . 720-749	1,080	879	86	408	385	201
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	137	74	*	16	58	63
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	191	142	10	60	72	50
Displacement of intervertebral disc . . . . . 735	256	239	*	127	111	17
Synovitis, bursitis, and tenosynovitis . . . . . 741	138	125	16	64	45	13
All other diseases of bones and organs of movement . . . . . Residual	357	299	59	140	100	58
XIV. Congenital malformations . . . . . 750-759	228	220	134	60	25	9
XV. Certain diseases of early infancy . . . . . 760-776	51	51	51	...	...	...
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	1,134	917	188	430	300	216
Symptoms referable to respiratory system . . . . . 783	123	94	7	37	50	30
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	211	179	29	101	49	32
All other symptoms . . . . . 780-782,786-789	486	383	91	159	133	102
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	131	122	46	53	23	9
Senility, ill-defined conditions, undiagnosed diseases and diagnosis not codable . . . . . 790-792,794-795	183	140	15	80	45	43

See footnotes at end of table.

Table 3. Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968--Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
Number of inpatients discharged in thousands						
<b>XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999, Y10.0</b>	<b>2,886</b>	<b>2,444</b>	<b>539</b>	<b>1,306</b>	<b>600</b>	<b>439</b>
Fracture of skull and face bones . . . . . 800-803	127	117	33	66	19	10
Fracture of upper limb(s) . . . . . 812-817	278	223	88	80	55	55
Fracture of neck of femur . . . . . 820	141	34	4	7	24	107
Other fracture of lower limb(s) . . . . . 821-826	299	251	59	115	77	49
Fracture of other and multiple sites . . . . . 805-811	188	136	13	67	56	51
Dislocation without fracture . . . . . 830-839	117	109	10	74	25	8
Sprains and strains of back (including neck) . . . . . 846-847	274	254	5	166	83	20
Head injury (excluding skull fracture) . . . . . 850-856	323	297	98	154	45	26
Laceration and open wound of eye, ear, and face . . . . . 870-873	95	89	22	54	13	6
Laceration and open wound of other and multiple sites . . . . . 874-898	252	242	39	158	45	10
Burns . . . . . 940-949	92	86	35	35	16	6
All other injuries . . . . . Residual 800-959, Y10.0	415	358	68	207	84	56
Adverse effects of chemical and other external causes . . . . . 960-999	284	248	67	122	59	36

<sup>1</sup> Includes inpatients discharged for whom age was not stated.

<sup>2</sup> Caution should be exercised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. See appendix I on the reliability of estimates.

Table 4. Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
All conditions . . . . .	8.5	7.0	5.0	6.1	10.0	14.2
Excluding obstetrical conditions (Class XI) . . . . .	9.2	7.7	5.0	7.2	10.0	14.2
I. Infective and parasitic diseases . . . . . 002-138	9.9	9.4	6.8	10.0	12.3	13.3
Diseases attributable to viruses . . . . . 080-096	8.2	7.6	5.8	8.4	9.5	12.7
All other infective and parasitic diseases . . . . . 002-074,100-138	12.0	11.7	8.2	12.7	14.0	13.8
II. Neoplasms . . . . . 140-239	11.4	9.7	7.5	7.8	11.8	15.7
Malignant neoplasms . . . . . 140-205	15.3	14.2	12.0	12.1	15.1	16.8
Malignant neoplasm of large intestine and rectum . . . . . 153-154,199.2	21.3	19.6	*	18.0	19.9	22.5
Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152,155-159,199.1,199.3	17.6	16.8	-	11.7	17.4	18.4
Malignant neoplasm of thoracic organs . . . . . 162-165	17.5	17.3	-	15.3	17.5	17.8
Malignant neoplasm of breast . . . . . 170	15.7	15.3	*	16.0	15.0	16.6
Malignant neoplasm of uterus . . . . . 171-174	10.2	9.4	*	8.7	10.2	12.8
Malignant neoplasm of prostate . . . . . 177	14.3	11.7	-	-	11.7	14.8
Malignant neoplasm of urinary organs . . . . . 180-181,199.4	13.4	13.5	<sup>2</sup> 11.2	13.7	13.6	13.3
Neoplasms of lymphatic and hematopoietic tissues . . . . . 198,200-205	14.3	12.7	12.0	13.7	12.2	17.0
Malignant neoplasm of other and unspecified sites . . . . . Residual	14.6	14.2	12.0	12.0	15.3	15.4
Benign neoplasms and neoplasms of unspecified nature . . . . . 210-239	6.7	6.5	6.0	6.3	6.9	9.4
Uterine fibromyoma . . . . . 214	9.2	9.1	-	9.2	9.0	11.5
Other benign neoplasm of uterus . . . . . 215	6.2	6.2	*	7.1	5.2	5.3
Benign neoplasm of other female genital organs . . . . . 216-217	7.5	7.4	<sup>2</sup> 6.4	7.1	8.8	9.9
Benign neoplasm of skin . . . . . 220-222	5.9	5.8	9.9	5.3	4.2	<sup>2</sup> 13.1
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature . . . . . Residual	5.8	5.1	4.7	4.5	6.0	9.6
III. Allergic, endocrine system, metabolic, and nutritional diseases . . . . . 240-289	10.4	8.8	7.4	7.7	10.2	14.3
Hay fever and asthma . . . . . 240-241	8.3	7.0	6.6	6.2	7.9	13.5
Diseases of thyroid gland . . . . . 250-254	7.8	7.4	<sup>2</sup> 8.5	6.9	7.9	11.3
Diabetes mellitus . . . . . 260	12.2	10.7	7.7	9.1	11.9	14.5
All other allergic, endocrine, metabolic, and nutritional diseases . . . . . Residual	9.5	8.1	8.2	7.3	9.0	15.0
IV. Diseases of blood and blood-forming organs . . . . . 290-299	10.7	9.6	6.9	10.8	10.3	12.8
V. Mental, psychoneurotic, and personality disorders . . . . . 300-329	12.2	11.5	12.2	11.6	11.2	17.5
Acute brain disorders . . . . . 300-307	6.2	5.7	4.5	5.0	6.7	11.0
Chronic brain disorders . . . . . 308-317	18.3	16.1	<sup>2</sup> 14.1	15.9	16.8	19.2
Psychotic disorders . . . . . 318-322	20.1	19.2	<sup>2</sup> 39.2	18.9	19.0	32.9
Depressive reaction . . . . . 324.5	15.6	15.0	*	14.8	15.4	21.5
Other psychoneurotic disorders . . . . . 324.0-324.4,324.9	7.8	7.5	5.2	7.3	8.2	10.5
All other mental, psychoneurotic, and personality disorders . . . . . Residual	9.5	9.3	14.0	9.5	8.2	11.3

See footnotes at end of table.

Table 4. Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
Average length of stay in days						
VI. Diseases of the nervous system and sense organs . . . . . 330-398	11.0	8.4	5.1	8.5	10.4	14.5
Vascular lesions affecting central nervous system . . . . . 330-334	16.6	14.4	<sup>2</sup> 14.4	12.8	14.7	17.5
Other diseases of central nervous system . . . . . 340-357	13.7	11.3	10.6	11.2	11.9	22.2
Diseases of nerves and peripheral ganglia . . . . . 360-369	9.8	9.4	12.7	9.0	9.4	11.3
Cataract . . . . . 385	8.0	7.0	4.3	6.0	7.3	8.4
Other diseases and conditions of eye . . . . . 370-384,386-389	5.9	5.2	3.1	6.2	8.0	8.2
Diseases of ear and mastoid process . . . . . 390-398	4.4	3.9	3.1	4.6	4.7	8.2
VII. Diseases of the circulatory system . . . . . 400-468	12.7	10.9	6.4	8.9	12.1	14.9
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	13.0	12.0	12.9	10.3	12.8	17.8
Arteriosclerotic heart disease so described . . . . . 420.0	14.0	10.3	*	8.8	10.4	15.2
Acute coronary occlusion . . . . . 420.1	18.8	19.1	*	17.7	19.3	18.6
Other arteriosclerotic heart disease . . . . . 420.2-420.5	10.3	8.9	*	7.2	9.3	12.2
Congestive heart failure . . . . . 434.1	13.7	11.6	<sup>2</sup> 7.1	11.7	11.7	14.4
Hypertensive heart disease . . . . . 442-443	12.3	11.3	-	11.8	11.2	13.1
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	11.5	9.5	6.4	8.6	10.1	13.1
Other hypertensive disease . . . . . 446-447	9.5	9.2	<sup>2</sup> 4.3	7.8	10.1	10.3
General arteriosclerosis . . . . . 450	17.5	14.4	-	<sup>2</sup> 13.0	14.6	18.7
Varicose veins of lower extremities . . . . . 460	9.3	8.0	*	6.2	9.8	15.7
Hemorrhoids (with or without ulcer) . . . . . 461	7.1	6.9	*	6.7	7.2	9.1
All other diseases of circulatory system . . . . . Residual	13.0	11.3	4.8	10.4	14.5	16.8
VIII. Diseases of the respiratory system . . . . . 470-527	6.3	5.0	3.7	5.0	8.9	13.0
Acute upper respiratory infections . . . . . 470-475	5.2	4.8	4.5	4.7	6.1	9.6
Influenza . . . . . 480-483	7.3	6.3	<sup>2</sup> 6.4	4.6	8.4	10.0
Pneumonia, all forms . . . . . 490-493	9.8	7.8	6.7	8.2	9.9	15.3
Acute bronchitis (or subacute) . . . . . 500	6.9	6.2	4.8	5.6	8.7	9.9
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	6.9	6.2	5.1	6.1	7.8	10.5
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	12.6	10.4	<sup>2</sup> 7.9	10.6	10.4	14.2
Hypertrophy of tonsils and adenoids . . . . . 510	2.2	2.2	2.1	2.5	2.6	-
All other diseases of respiratory system . . . . . Residual	8.3	7.2	6.4	5.9	9.2	12.4
IX. Diseases of the digestive system . . . . . 530-587	8.2	7.3	4.6	6.7	9.1	11.8
Diseases of the buccal cavity and esophagus . . . . . 530-539	3.7	3.3	2.4	2.9	4.6	7.9
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	10.7	9.7	8.5	8.6	10.7	13.9
Gastritis and duodenitis . . . . . 543	6.0	5.7	4.0	5.6	6.1	7.8
Appendicitis . . . . . 550-552	6.8	6.6	5.8	6.7	9.3	12.1
Inguinal hernia . . . . . 560.0,561.0	7.2	6.4	3.5	6.9	8.2	10.8
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	9.1	7.8	4.2	7.2	9.0	12.1
Intestinal obstruction without mention of hernia . . . . . 570	11.9	11.8	4.8	10.8	13.8	12.2
Gastroenteritis and colitis, except ulcerative . . . . . 571	5.2	4.7	4.6	4.2	5.5	8.0
Chronic enteritis and ulcerative colitis . . . . . 572	10.2	9.5	9.0	10.8	9.0	10.9
Cholelithiasis and cholecystitis . . . . . 584-585	11.0	10.0	<sup>2</sup> 12.1	9.0	10.8	13.7
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	13.9	13.2	12.6	11.1	14.5	16.6
All other diseases of digestive system . . . . . Residual	8.2	7.1	5.3	6.6	8.0	11.7

See footnotes at end of table.

Table 4. Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
Average length of stay in days						
X. Diseases of the genitourinary system . . . . . 590-637	7.2	6.2	4.7	5.8	7.4	12.6
Infections of kidney . . . . . 600	8.9	8.0	5.3	6.4	12.5	12.0
Calculi of kidney and ureter . . . . . 602	7.0	6.5	<sup>2</sup> 7.5	5.9	7.1	10.1
Other diseases of kidney and ureter . . . . . 590-594,601,603	7.8	7.2	10.5	<sup>2</sup> 5.1	9.2	13.2
Cystitis . . . . . 605	6.2	5.2	4.0	5.0	6.0	9.9
All other diseases of urinary system . . . . . 604,606-609	7.9	6.2	3.6	7.0	8.7	13.2
Hyperplasia of prostate . . . . . 610	14.1	10.8	-	<sup>2</sup> 7.6	11.0	15.4
Other diseases of male genital organs . . . . . 611-617	5.5	5.0	3.5	5.6	6.2	9.2
Diseases of breast (includes male breast) . . . . . 620-621	4.4	4.4	3.6	4.1	4.9	5.6
Cervicitis . . . . . 630.0	5.7	5.6	*	5.6	5.5	9.7
Uterovaginal prolapse . . . . . 631	11.0	10.5	*	10.1	10.9	12.7
Disorders of menstruation . . . . . 634	4.5	4.5	3.0	4.6	4.2	5.8
Other diseases of female genital organs . . . . . Residual	6.6	6.4	5.4	6.4	6.5	11.3
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	4.1	4.1	3.8	4.1	4.6	...
Abortion . . . . . 650	3.8	3.8	<sup>2</sup> 3.2	3.8	<sup>2</sup> 3.0	...
Delivery without mention of complication . . . . . 660	4.1	4.1	3.7	4.1	4.1	...
Delivery with complications of childbirth . . . . . 670-678	5.1	5.1	4.7	5.1	<sup>2</sup> 5.8	...
All other complications of pregnancy and childbirth . . . . . Residual	3.2	3.2	3.0	3.1	*	...
XII. Diseases of the skin and cellular tissue . . . . . 690-716	8.4	7.3	5.3	6.2	10.2	14.2
Infections of skin and subcutaneous tissue . . . . . 690-698	7.9	6.9	5.2	6.7	9.1	13.8
All other diseases of skin and cellular tissue . . . . . Residual	8.6	7.5	5.5	5.9	10.8	14.5
XIII. Diseases of the bones and organs of movement . . . . . 720-749	10.4	9.5	7.2	9.0	10.6	14.0
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	12.3	11.0	*	8.3	11.7	13.8
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	11.8	11.4	8.7	10.2	12.9	12.9
Displacement of intervertebral disc . . . . . 735	12.9	12.5	*	12.2	12.8	18.5
Synovitis, bursitis, and tenosynovitis . . . . . 741	4.9	4.4	3.6	4.6	4.5	9.2
All other diseases of bones and organs of movement . . . . . Residual	9.1	8.0	7.9	7.6	8.7	14.8
XIV. Congenital malformations . . . . . 750-759	9.3	9.0	9.2	7.6	11.2	17.0
XV. Certain diseases of early infancy . . . . . 760-776	10.8	10.8	10.8	...	...	...
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	6.7	5.6	4.3	5.3	7.0	11.2
Symptoms referable to respiratory system . . . . . 783	5.3	4.8	2.9	4.5	5.2	6.7
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	5.8	5.3	3.8	4.3	8.0	8.9
All other symptoms . . . . . 780-782,786-789	7.5	6.4	4.7	6.5	7.4	11.8
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	4.3	4.2	3.9	4.2	4.8	5.7
Senility, ill-defined conditions, undiagnosed diseases and diagnosis not codable . . . . . 790-792,794-795	8.2	5.9	4.3	5.1	7.9	15.6

See footnotes at end of table.

Table 4. Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and age: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	Under 15 years	15-44 years	45-64 years	65 years and over
<b>XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0</b>	<b>9.4</b>	<b>7.7</b>	<b>5.9</b>	<b>7.4</b>	<b>10.1</b>	<b>18.6</b>
Fracture of skull and face bones . . . . . 800-803	8.0	7.8	5.8	8.4	8.9	11.0
Fracture of upper limb(s) . . . . . 812-817	6.9	4.9	3.0	5.7	6.7	14.8
Fracture of neck of femur . . . . . 820	28.8	26.0	26.9	29.4	24.9	29.7
Other fracture of lower limb(s) . . . . . 821-826	14.6	12.8	13.7	12.2	13.0	23.9
Fracture of other and multiple sites . . . . . 805-811	14.5	12.7	7.8	12.3	14.2	19.2
Dislocation without fracture . . . . . 830-839	6.4	6.4	4.7	6.0	8.2	7.3
Sprains and strains of back (including neck) . . . . . 846-847	7.9	7.8	5.6	7.5	8.3	10.1
Head injury (excluding skull fracture) . . . . . 850-856	6.1	5.7	3.4	6.7	7.3	10.5
Laceration and open wound of eye, ear, and face . . . . . 870-873	4.9	4.5	4.2	4.1	6.5	10.8
Laceration and open wound of other and multiple sites . . . . . 874-898	5.9	5.7	4.9	5.4	7.1	12.2
Burns . . . . . 940-949	15.7	15.1	14.9	11.8	23.2	23.6
All other injuries . . . . . Residual 800-959,Y10.0	6.9	6.1	3.9	6.5	6.9	11.8
Adverse effects of chemical and other external causes . . . . . 960-999	6.4	5.8	3.5	5.5	9.0	10.9

<sup>1</sup> Includes inpatients discharged for whom age was not stated.

<sup>2</sup> Caution should be exercised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. See appendix I on the reliability of estimates.



Table 5. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and color: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All patients <sup>1</sup>	Color stated							
		Total	White	All other	Percent of all patients	Total	White	All other	
		Number of inpatients discharged in thousands					Average length of stay in days		
All conditions .....	28,070	24,535	21,629	2,907	87.4	8.5	8.5	8.8	
Excluding obstetrical conditions (Class XI) .....	23,887	20,873	18,665	2,208	87.4	9.3	9.2	10.3	
I. Infective and parasitic diseases .....	002-138	319	285	238	47	89.5	10.1	8.9	16.1
Diseases attributable to viruses .....	080-096	177	159	142	17	89.8	8.2	8.0	10.0
All other infective and parasitic diseases .....	002-074,100-138	142	126	96	30	89.1	12.5	10.3	19.5
II. Neoplasms .....	140-239	1,927	1,701	1,525	176	88.3	11.5	11.4	12.3
Malignant neoplasms .....	140-205	1,044	922	839	83	88.3	15.5	15.3	17.5
Malignant neoplasm of large intestine and rectum .....	153-154,199.2	117	104	97	7	88.9	21.8	21.1	27.9
Malignant neoplasm of other digestive organs and peritoneum .....	150-152,155-159,199.1,199.3	78	67	59	8	85.9	17.7	17.4	20.3
Malignant neoplasm of thoracic organs .....	162-165	102	90	84	6	88.1	17.3	17.2	18.0
Malignant neoplasm of breast .....	170	112	99	91	8	88.6	15.5	15.3	17.7
Malignant neoplasm of uterus .....	171-174	127	112	94	18	88.6	10.1	9.8	11.8
Malignant neoplasm of prostate .....	177	58	51	44	7	87.4	14.8	14.2	18.1
Malignant neoplasm of urinary organs .....	180-181,199.4	72	61	58	3	85.3	13.8	13.8	14.7
Neoplasms of lymphatic and hematopoietic tissues .....	198,200-205	107	94	86	8	87.5	14.8	14.7	15.7
Malignant neoplasm of other and unspecified sites .....	Residual	272	245	226	18	89.8	14.8	14.5	18.5
Benign neoplasms and neoplasms of unspecified nature .....	210-239	883	779	686	93	88.2	6.8	6.7	7.7
Uterine fibromyoma .....	214	173	154	121	32	88.9	9.3	9.1	10.1
Other benign neoplasm of uterus .....	215	104	91	84	7	86.9	6.3	6.2	6.6
Benign neoplasm of other female genital organs .....	216-217	118	105	93	12	89.5	7.5	7.7	6.4
Benign neoplasm of skin .....	220-222	95	83	78	5	87.2	6.1	6.1	5.7
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature .....	Residual	393	346	310	37	88.1	5.8	5.8	6.4
III. Allergic, endocrine system, metabolic, and nutritional diseases .....	240-289	785	693	588	105	88.3	10.5	10.1	12.4
Hay fever and asthma .....	240-241	134	119	93	27	88.8	8.2	8.3	9.1
Diseases of thyroid gland .....	250-254	117	102	90	12	87.2	7.9	7.6	9.9
Diabetes mellitus .....	260	385	340	291	49	88.3	12.3	11.9	14.9
All other allergic, endocrine, metabolic, and nutritional diseases .....	Residual	149	131	114	17	87.9	9.6	9.2	12.2
IV. Diseases of blood and blood-forming organs .....	290-299	175	154	131	23	88.0	11.0	10.6	13.1
V. Mental, psychoneurotic, and personality disorders .....	300-329	799	648	571	77	81.1	12.1	11.8	14.0
Acute brain disorders .....	300-307	90	80	65	15	88.9	6.0	5.9	6.4
Chronic brain disorders .....	308-317	47	41	34	7	87.2	18.6	18.1	21.3
Psychotic disorders .....	318-322	151	130	109	21	86.1	19.6	19.1	22.3
Depressive reaction .....	324.5	119	95	92	3	79.8	14.7	14.8	13.1
Other psychoneurotic disorders .....	324.0-324.4,324.9	150	122	112	10	81.3	7.5	7.6	6.4
All other mental, psychoneurotic, and personality disorders .....	Residual	243	179	158	20	73.7	9.6	9.3	12.4

See footnotes at end of table.

Table 5. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and color: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All patients <sup>1</sup>	Color stated							
		Total	White	All other	Percent of all patients	Total	White	All other	
		Number of inpatients discharged in thousands				Average length of stay in days			
VI. Diseases of the nervous system and sense organs . . . . . 330-398	1,542	1,324	1,201	123	85.9	11.3	11.0	14.4	
Vascular lesions affecting central nervous system . . . . . 330-334	504	442	394	48	87.7	16.7	16.3	19.3	
Other diseases of central nervous system . . . . . 340-357	243	215	185	30	88.5	14.1	13.8	15.9	
Diseases of nerves and peripheral ganglia . . . . . 360-369	136	121	113	7	89.0	9.9	9.8	10.9	
Cataract . . . . . 385	217	176	165	11	81.1	8.0	8.0	8.1	
Other diseases and conditions of eye . . . . . 370-384,386-389	217	188	170	18	86.6	6.1	6.0	7.5	
Diseases of ear and mastoid process . . . . . 390-398	225	182	173	9	80.9	4.6	4.4	7.4	
VII. Diseases of the circulatory system . . . . . 400-468	2,669	2,356	2,134	222	88.3	12.9	12.7	14.3	
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	94	85	76	9	91.2	13.1	13.0	13.7	
Arteriosclerotic heart disease so described . . . . . 420.0	349	304	284	20	87.1	14.1	13.8	18.6	
Acute coronary occlusion . . . . . 420.1	372	336	319	17	90.5	19.1	19.3	15.6	
Other arteriosclerotic heart disease . . . . . 420.2-420.5	341	295	279	16	86.6	10.2	10.1	12.2	
Congestive heart failure . . . . . 434.1	182	164	142	22	90.0	13.9	13.9	13.6	
Hypertensive heart disease . . . . . 442-443	93	83	62	21	88.7	12.2	11.3	15.0	
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	317	283	248	35	89.2	11.6	11.5	12.4	
Other hypertensive disease . . . . . 446-447	157	140	114	26	89.4	9.7	9.0	13.0	
General arteriosclerosis . . . . . 450	72	64	58	5	88.3	18.1	17.2	27.6	
Varicose veins of lower extremities . . . . . 460	124	107	101	7	86.4	9.3	8.7	18.8	
Hemorrhoids (with or without ulcer) . . . . . 461	208	177	163	15	85.4	7.1	7.1	7.5	
All other diseases of circulatory system . . . . . Residual	361	318	289	30	88.2	13.0	12.7	15.6	
VIII. Diseases of the respiratory system . . . . . 470-527	3,272	2,832	2,556	275	86.5	6.3	6.3	6.7	
Acute upper respiratory infections . . . . . 470-475	387	338	304	34	87.3	5.3	5.3	5.0	
Influenza . . . . . 480-483	185	163	152	11	87.7	7.0	7.1	6.4	
Pneumonia, all forms . . . . . 490-493	704	621	535	86	88.2	9.9	10.1	8.8	
Acute bronchitis (or subacute) . . . . . 500	184	161	148	13	87.3	6.9	6.9	6.7	
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	199	173	154	19	87.1	7.0	7.0	7.3	
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	146	128	125	<sup>2</sup> 3	87.5	12.8	12.8	<sup>2</sup> 11.8	
Hypertrophy of tonsils and adenoids . . . . . 510	1,062	893	814	80	84.2	2.1	2.1	2.2	
All other diseases of respiratory system . . . . . Residual	405	355	325	30	87.7	8.4	7.9	13.4	
IX. Diseases of the digestive system . . . . . 530-587	3,986	3,484	3,181	303	87.4	8.3	8.2	8.9	
Diseases of the buccal cavity and esophagus . . . . . 530-539	301	268	251	17	89.0	3.7	3.5	6.5	
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	445	387	350	37	87.0	10.4	10.4	11.3	
Gastritis and duodenitis . . . . . 543	243	211	190	21	87.0	6.0	6.0	6.3	
Appendicitis . . . . . 550-552	334	288	262	26	86.2	6.8	6.7	7.4	
Inguinal hernia . . . . . 560.0,561.0	502	438	402	36	87.2	7.3	7.3	7.2	
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	259	225	198	27	86.9	9.2	9.4	8.0	
Intestinal obstruction without mention of hernia . . . . . 570	115	100	88	12	86.8	12.5	12.8	9.7	
Gastroenteritis and colitis, except ulcerative . . . . . 571	509	450	408	42	88.4	5.2	5.1	6.2	
Chronic enteritis and ulcerative colitis . . . . . 572	192	171	165	7	89.3	10.3	10.3	11.1	
Cholelithiasis and cholecystitis . . . . . 584-585	482	419	397	21	86.8	11.2	11.1	11.8	
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	190	167	142	25	88.2	14.2	13.8	16.6	
All other diseases of digestive system . . . . . Residual	415	360	327	33	86.7	8.3	8.3	8.3	

See footnotes at end of table.

Table 5. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and color: United States, 1968--Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All patients <sup>1</sup>	Color stated							
		Total	White	All other	Percent of all patients	Total	White	All other	
		Number of inpatients discharged in thousands				Average length of stay in days			
X. Diseases of the genitourinary system . . . . . 590-637	2,647	2,332	2,059	274	88.1	7.3	7.2	8.0	
Infections of kidney . . . . . 600	160	139	120	19	87.0	9.1	8.9	10.5	
Calculi of kidney and ureter . . . . . 602	211	187	179	8	88.6	7.1	6.9	11.1	
Other diseases of kidney and ureter . . . . . 590-594,601,603	178	165	142	<sup>2</sup> 23	92.8	7.6	7.7	<sup>2</sup> 7.4	
Cystitis . . . . . 605	173	151	138	13	87.1	6.1	6.0	6.9	
All other diseases of urinary system . . . . . 604,606-609	273	245	219	27	89.6	8.0	7.6	11.4	
Hyperplasia of prostate . . . . . 610	191	169	155	14	88.5	14.1	13.8	17.5	
Other diseases of male genital organs . . . . . 611-617	217	187	155	32	86.5	5.6	5.8	4.4	
Diseases of breast (includes male breast) . . . . . 620-621	173	146	135	11	84.5	4.6	4.2	9.6	
Cervicitis . . . . . 630.0	131	116	105	11	88.5	5.8	5.8	5.5	
Uterovaginal prolapse . . . . . 631	166	145	134	11	87.4	11.0	10.9	11.6	
Disorders of menstruation . . . . . 634	396	346	305	41	87.4	4.7	4.6	4.8	
Other diseases of female genital organs . . . . . Residual	379	336	272	64	88.8	6.8	6.7	7.2	
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	4,183	3,663	2,964	699	87.6	4.1	4.1	4.1	
Abortion . . . . . 650	317	283	226	57	89.2	4.0	3.4	6.4	
Delivery without mention of complication . . . . . 660	2,697	2,336	1,936	400	86.6	3.7	4.2	3.6	
Delivery with complications of childbirth . . . . . 670-678	650	583	439	144	89.7	5.1	5.2	4.9	
All other complications of pregnancy and childbirth . . . . . Residual	519	461	363	97	88.7	3.7	3.1	4.0	
XII. Diseases of the skin and cellular tissue . . . . . 690-716	388	347	299	48	89.3	8.4	8.2	9.7	
Infections of skin and subcutaneous tissue . . . . . 690-698	162	145	121	25	89.5	8.0	8.1	7.7	
All other diseases of skin and cellular tissue . . . . . Residual	226	202	179	23	89.2	8.7	8.3	11.7	
XIII. Diseases of the bones and organs of movement . . . . . 720-749	1,080	945	868	77	87.5	10.4	10.3	10.9	
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	137	119	112	7	87.1	12.4	12.3	12.8	
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	191	171	155	16	89.4	12.1	12.2	11.1	
Displacement of intervertebral disc . . . . . 735	256	216	206	9	84.2	12.8	12.8	13.7	
Synovitis, bursitis, and tenosynovitis . . . . . 741	138	123	113	11	89.2	4.9	4.9	4.7	
All other diseases of bones and organs of movement . . . . . Residual	357	316	282	34	88.4	9.1	8.8	11.7	
XIV. Congenital malformations . . . . . 750-759	228	207	189	18	90.7	9.6	9.1	14.9	
XV. Certain diseases of early infancy . . . . . 760-776	51	43	32	11	84.4	11.5	10.5	14.4	
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	1,134	998	887	111	87.9	6.7	6.6	7.6	
Symptoms referable to respiratory system . . . . . 783	123	106	96	10	86.4	5.3	5.3	5.2	
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	211	187	170	16	88.4	5.8	5.7	6.6	
All other symptoms . . . . . 780-782,786-789	486	426	379	47	87.9	7.6	7.4	9.4	
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	131	117	98	19	89.4	4.4	4.3	4.7	
Senility, ill-defined conditions, undiagnosed diseases and diagnosis not codable . . . . . 790-792,794-795	183	162	143	19	88.2	8.0	8.0	8.0	

See footnotes at end of table.

Table 5. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and color: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All patients <sup>1</sup>	Color stated							
		Total	White	All other	Percent of all patients	Total	White	All other	
		Number of inpatients discharged in thousands					Average length of stay in days		
<b>XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0</b>	<b>2,886</b>	<b>2,524</b>	<b>2,206</b>	<b>318</b>	<b>87.5</b>	<b>9.5</b>	<b>9.5</b>	<b>9.3</b>	
Fracture of skull and face bones . . . . . 800-803	127	113	97	16	89.2	8.2	8.2	8.7	
Fracture of upper limb(s) . . . . . 812-817	278	240	219	21	86.2	6.8	7.0	5.4	
Fracture of neck of femur . . . . . 820	141	124	119	5	87.9	28.8	28.9	26.1	
Other fracture of lower limb(s) . . . . . 821-826	299	264	231	33	88.1	14.9	14.6	17.3	
Fracture of other and multiple sites . . . . . 805-811	188	163	149	13	86.7	14.5	14.7	12.2	
Dislocation without fracture . . . . . 830-839	117	103	91	11	87.9	6.5	6.4	7.1	
Sprains and strains of back (including neck) . . . . . 846-847	274	233	214	19	85.0	7.9	7.9	8.3	
Head injury (excluding skull fracture) . . . . . 850-856	323	283	245	38	87.6	6.0	5.8	7.5	
Laceration and open wound of eye, ear, and face . . . . . 870-873	95	85	70	15	89.0	5.0	4.8	5.9	
Laceration and open wound of other and multiple sites . . . . . 874-898	252	226	173	53	89.6	6.0	6.1	5.8	
Burns . . . . . 940-949	92	79	65	14	85.6	16.6	15.0	23.9	
All other injuries . . . . . Residual 800-959,Y10.0	415	361	311	51	87.2	7.0	6.9	7.7	
Adverse effects of chemical and other external causes . . . . . 960-999	284	250	220	30	88.0	6.5	6.5	6.7	

<sup>1</sup> Includes inpatients discharged for whom color was not stated.

<sup>2</sup> Caution should be exercised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. See appendix I on the reliability of estimates.

Table 6. Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
	Number of inpatients discharged in thousands				
All conditions . . . . .	28,070	6,279	8,679	8,872	4,241
Excluding obstetrical conditions (Class XI) . . . . .	23,887	5,247	7,391	7,643	3,607
I. Infective and parasitic diseases . . . . . 002-138	319	63	86	124	46
Diseases attributable to viruses . . . . . 080-096	177	36	50	67	25
All other infective and parasitic diseases . . . . . 002-074,100-138	142	27	36	57	21
II. Neoplasms . . . . . 140-239	1,927	516	595	502	315
Malignant neoplasms . . . . . 140-205	1,044	271	339	256	179
Malignant neoplasm of large intestine and rectum . . . . . 153-154,199.2	117	34	39	23	20
Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152,155-159,199.1,199.3	78	20	23	20	13
Malignant neoplasm of thoracic organs . . . . . 162-165	102	29	29	27	17
Malignant neoplasm of breast . . . . . 170	112	32	35	25	19
Malignant neoplasm of uterus . . . . . 171-174	127	28	39	38	22
Malignant neoplasm of prostate . . . . . 177	58	11	21	14	12
Malignant neoplasm of urinary organs . . . . . 180-181,199.4	72	21	23	14	13
Neoplasms of lymphatic and hematopoietic tissues . . . . . 198,200-205	107	25	41	25	17
Malignant neoplasm of other and unspecified sites . . . . . Residual	272	70	88	70	44
Benign neoplasms and neoplasms of unspecified nature . . . . . 210-239	883	245	256	245	137
Uterine fibromyoma . . . . . 214	173	51	47	46	29
Other benign neoplasm of uterus . . . . . 215	104	25	34	24	21
Benign neoplasm of other female genital organs . . . . . 216-217	118	28	32	38	19
Benign neoplasm of skin . . . . . 220-222	95	30	28	27	10
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature . . . . . Residual	393	110	116	110	57
III. Allergic, endocrine system, metabolic, and nutritional diseases . . . . . 240-289	785	172	245	252	116
Hay fever and asthma . . . . . 240-241	134	32	41	40	21
Diseases of thyroid gland . . . . . 250-254	117	24	35	40	18
Diabetes mellitus . . . . . 260	385	90	122	121	53
All other allergic, endocrine, metabolic, and nutritional diseases . . . . . Residual	149	27	46	51	24
IV. Diseases of blood and blood-forming organs . . . . . 290-299	175	38	60	55	21
V. Mental, psychoneurotic, and personality disorders . . . . . 300-329	799	182	233	233	151
Acute brain disorders . . . . . 300-307	90	17	23	30	20
Chronic brain disorders . . . . . 308-317	47	9	13	14	10
Psychotic disorders . . . . . 318-322	151	39	37	44	31
Depressive reaction . . . . . 324.5	119	23	39	<sup>1</sup> 38	<sup>1</sup> 19
Other psychoneurotic disorders . . . . . 324.0-324.4,324.9	150	24	53	49	24
All other mental, psychoneurotic, and personality disorders . . . . . Residual	243	70	68	58	47

See footnote at end of table.

Table 6. Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
Number of inpatients discharged in thousands					
VI. Diseases of the nervous system and sense organs . . . . . 330-398	1,542	328	502	466	246
Vascular lesions affecting central nervous system . . . . . 330-334	504	111	157	163	73
Other diseases of central nervous system . . . . . 340-357	243	46	78	77	42
Diseases of nerves and peripheral ganglia . . . . . 360-369	136	24	39	52	22
Cataract . . . . . 385	217	55	66	56	40
Other diseases and conditions of eye . . . . . 370-384,386-389	217	49	75	54	39
Diseases of ear and mastoid process . . . . . 390-398	225	43	87	64	31
VII. Diseases of the circulatory system . . . . . 400-468	2,669	666	803	842	358
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	94	28	26	21	19
Arteriosclerotic heart disease so described . . . . . 420.0	349	105	110	91	42
Acute coronary occlusion . . . . . 420.1	372	114	110	103	45
Other arteriosclerotic heart disease . . . . . 420.2-420.5	341	83	99	114	44
Congestive heart failure . . . . . 434.1	182	32	56	74	19
Hypertensive heart disease . . . . . 442-443	93	19	23	37	14
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	317	69	88	115	45
Other hypertensive disease . . . . . 446-447	157	24	49	68	16
General arteriosclerosis . . . . . 450	72	15	26	20	10
Varicose veins of lower extremities . . . . . 460	124	37	41	26	21
Hemorrhoids (with or without ulcer) . . . . . 461	208	47	60	72	28
All other diseases of circulatory system . . . . . Residual	361	91	114	101	55
VIII. Diseases of the respiratory system . . . . . 470-527	3,272	593	1,045	1,162	471
Acute upper respiratory infections . . . . . 470-475	387	62	147	145	33
Influenza . . . . . 480-483	185	13	38	104	30
Pneumonia, all forms . . . . . 490-493	704	123	219	277	85
Acute bronchitis (or subacute) . . . . . 500	184	31	54	79	21
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	199	34	60	79	26
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	146	24	42	59	21
Hypertrophy of tonsils and adenoids . . . . . 510	1,062	216	347	301	197
All other diseases of respiratory system . . . . . Residual	405	89	139	118	58
IX. Diseases of the digestive system . . . . . 530-587	3,986	895	1,215	1,330	546
Diseases of the buccal cavity and esophagus . . . . . 530-539	301	98	81	94	27
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	445	81	134	170	60
Gastritis and duodenitis . . . . . 543	243	33	67	114	29
Appendicitis . . . . . 550-552	334	72	94	119	49
Inguinal hernia . . . . . 560.0,561.0	502	143	154	124	80
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	259	59	74	86	39
Intestinal obstruction without mention of hernia . . . . . 570	115	25	35	34	22
Gastroenteritis and colitis, except ulcerative . . . . . 571	509	89	144	212	64
Chronic enteritis and ulcerative colitis . . . . . 572	192	52	64	55	21
Cholelithiasis and cholecystitis . . . . . 584-585	482	110	163	140	69
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	190	48	60	52	30
All other diseases of digestive system . . . . . Residual	415	84	146	131	55

See footnote at end of table.

Table 6. Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
Number of inpatients discharged in thousands					
X. Diseases of the genitourinary system . . . . . 590-637	2,647	606	849	831	361
Infections of kidney . . . . . 600	160	24	52	63	22
Calculi of kidney and ureter . . . . . 602	211	48	55	80	28
Other diseases of kidney and ureter . . . . . 590-594,601,603	178	38	<sup>1</sup> 81	41	18
Cystitis . . . . . 605	173	35	57	65	17
All other diseases of urinary system . . . . . 604,606-609	273	53	90	98	33
Hyperplasia of prostate . . . . . 610	191	59	60	43	28
Other diseases of male genital organs . . . . . 611-617	217	47	73	68	29
Diseases of breast (includes male breast) . . . . . 620-621	173	43	54	50	26
Cervicitis . . . . . 630.0	131	32	41	44	14
Uterovaginal prolapse . . . . . 631	166	42	48	51	25
Disorders of menstruation . . . . . 634	396	103	120	114	59
Other diseases of female genital organs . . . . . Residual	379	82	119	115	63
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	4,183	1,032	1,288	1,229	634
Abortion . . . . . 650	317	89	86	93	49
Delivery without mention of complication . . . . . 660	2,697	663	854	782	397
Delivery with complications of childbirth . . . . . 670-678	650	154	189	193	113
All other complications of pregnancy and childbirth . . . . . Residual	519	126	158	160	75
XII. Diseases of the skin and cellular tissue . . . . . 690-716	388	92	122	122	52
Infections of skin and subcutaneous tissue . . . . . 690-698	162	41	44	57	20
All other diseases of skin and cellular tissue . . . . . Residual	226	52	78	65	31
XIII. Diseases of the bones and organs of movement . . . . . 720-749	1,080	209	361	319	191
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	137	22	52	40	23
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	191	31	68	69	24
Displacement of intervertebral disc . . . . . 735	256	41	84	72	59
Synovitis, bursitis, and tenosynovitis . . . . . 741	138	36	41	41	20
All other diseases of bones and organs of movement . . . . . Residual	357	79	117	96	65
XIV. Congenital malformations . . . . . 750-759	228	57	77	63	31
XV. Certain diseases of early infancy . . . . . 760-776	51	7	17	19	8
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	1,134	210	334	411	179
Symptoms referable to respiratory system . . . . . 783	123	21	35	46	22
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	211	31	60	87	33
All other symptoms . . . . . 780-782,786-789	486	101	138	163	83
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	131	26	47	42	15
Senility, ill-defined conditions, undiagnosed diseases, and diagnosis not codable . . . . . 790-792,794-795	183	31	55	72	26

See footnote at end of table.

Table 6. Number of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
Number of inpatients discharged in thousands					
<b>XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0</b>	<b>2,886</b>	<b>615</b>	<b>847</b>	<b>911</b>	<b>514</b>
Fracture of skull and face bones . . . . . 800-803	127	28	36	37	26
Fracture of upper limb(s) . . . . . 812-817	278	65	84	82	47
Fracture of neck of femur . . . . . 820	141	37	47	35	22
Other fracture of lower limb(s) . . . . . 821-826	299	69	87	88	56
Fracture of other and multiple sites . . . . . 805-811	188	36	57	59	36
Dislocation without fracture . . . . . 830-839	117	25	39	30	23
Sprains and strains of back (including neck) . . . . . 846-847	274	40	76	107	51
Head injury (excluding skull fracture) . . . . . 850-856	323	87	89	90	57
Laceration and open wound of eye, ear, and face . . . . . 870-873	95	18	28	36	13
Laceration and open wound of other and multiple sites . . . . . 874-898	252	55	65	93	38
Burns . . . . . 940-949	92	19	26	36	11
All other injuries . . . . . Residual 800-959,Y10.0	415	77	128	137	73
Adverse effects of chemical and other external causes . . . . . 960-999	284	57	85	81	60

<sup>1</sup> Caution must be exercised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. See appendix I on the reliability of estimates.



Table 7. Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
	Average length of stay in days				
All conditions . . . . .	8.5	9.9	8.8	7.8	7.1
Excluding obstetrical conditions (Class XI) . . . . .	9.2	11.0	9.5	8.4	7.7
I. Infective and parasitic diseases . . . . . 002-138	9.9	13.1	9.3	8.4	10.5
Diseases attributable to viruses . . . . . 080-096	8.2	10.1	8.4	7.7	6.5
All other infective and parasitic diseases . . . . . 002-074,100-138	12.0	16.9	10.5	9.4	15.2
II. Neoplasms . . . . . 140-239	11.4	12.7	12.1	10.2	9.8
Malignant neoplasms . . . . . 140-205	15.3	17.7	16.1	13.8	12.5
Malignant neoplasm of large intestine and rectum . . . . . 153-154,199.2	21.3	25.2	20.7	20.4	17.0
Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152,155-159,199.1,199.3	17.6	20.3	18.5	16.1	14.2
Malignant neoplasm of thoracic organs . . . . . 162-165	17.5	19.4	19.2	16.2	13.6
Malignant neoplasm of breast . . . . . 170	15.7	17.3	18.1	14.7	10.1
Malignant neoplasm of uterus . . . . . 171-174	10.2	12.0	11.6	9.3	7.2
Malignant neoplasm of prostate . . . . . 177	14.3	16.2	14.5	13.6	12.9
Malignant neoplasm of urinary organs . . . . . 180-181,199.4	13.4	15.6	12.8	11.3	13.2
Neoplasms of lymphatic and hematopoietic tissues . . . . . 198,200-205	14.3	18.1	15.4	12.4	8.8
Malignant neoplasm of other and unspecified sites . . . . . Residual	14.6	15.9	15.1	13.0	14.4
Benign neoplasms and neoplasms of unspecified nature . . . . . 210-239	6.7	7.2	6.9	6.4	6.1
Uterine fibromyoma . . . . . 214	9.2	10.1	9.3	9.4	7.0
Other benign neoplasm of uterus . . . . . 215	6.2	5.5	7.7	6.1	4.7
Benign neoplasm of other female genital organs . . . . . 216-217	7.5	8.9	7.5	7.3	5.6
Benign neoplasm of skin . . . . . 220-222	5.9	5.0	5.8	5.0	11.6
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature . . . . . Residual	5.8	6.4	5.9	5.3	5.4
III. Allergic, endocrine system, metabolic, and nutritional diseases . . . . . 240-289	10.4	13.1	10.3	9.7	8.0
Hay fever and asthma . . . . . 240-241	8.3	9.1	7.4	9.9	5.6
Diseases of thyroid gland . . . . . 250-254	7.8	9.4	8.1	7.2	6.7
Diabetes mellitus . . . . . 260	12.2	15.9	12.0	10.9	9.6
All other allergic, endocrine, metabolic, and nutritional diseases . . . . . Residual	9.5	11.8	10.3	8.5	7.6
IV. Diseases of blood and blood-forming organs . . . . . 290-299	10.7	14.9	9.5	9.9	9.0
V. Mental, psychoneurotic, and personality disorders . . . . . 300-329	12.2	13.4	13.0	12.8	8.7
Acute brain disorders . . . . . 300-307	6.2	5.9	7.0	6.3	5.4
Chronic brain disorders . . . . . 308-317	18.3	22.1	23.0	17.0	9.8
Psychotic disorders . . . . . 318-322	20.1	20.8	20.5	23.6	13.6
Depressive reaction . . . . . 324.5	15.6	16.3	17.0	<sup>1</sup> 15.5	<sup>1</sup> 12.1
Other psychoneurotic disorders . . . . . 324.0-324.4,324.9	7.8	8.9	8.3	6.9	7.2
All other mental, psychoneurotic, and personality disorders . . . . . Residual	9.5	10.5	10.4	10.0	6.1

See footnote at end of table.

Table 7. Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
	Average length of stay in days				
VI. Diseases of the nervous system and sense organs . . . . . 330-398	11.0	13.5	11.2	10.2	9.1
Vascular lesions affecting central nervous system . . . . . 330-334	16.6	20.7	17.2	15.1	12.5
Other diseases of central nervous system . . . . . 340-357	13.7	17.4	14.2	11.2	13.2
Diseases of nerves and peripheral ganglia . . . . . 360-369	9.8	15.0	10.7	7.5	7.9
Cataract . . . . . 385	8.0	8.6	8.3	8.0	6.8
Other diseases and conditions of eye . . . . . 370-384,386-389	5.9	5.8	6.4	5.1	6.0
Diseases of ear and mastoid process . . . . . 390-398	4.4	4.9	4.2	4.8	3.3
VII. Diseases of the circulatory system . . . . . 400-468	12.7	15.0	13.4	11.3	10.4
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	13.0	16.1	12.1	12.8	9.7
Arteriosclerotic heart disease so described . . . . . 420.0	14.0	15.5	14.8	12.8	10.3
Acute coronary occlusion . . . . . 420.1	18.8	20.5	20.6	16.6	15.5
Other arteriosclerotic heart disease . . . . . 420.2-420.5	10.3	12.0	11.0	8.7	9.7
Congestive heart failure . . . . . 434.1	13.7	15.9	13.5	13.3	11.8
Hypertensive heart disease . . . . . 442-443	12.3	15.8	12.6	11.1	10.0
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	11.5	14.3	11.4	10.2	10.6
Other hypertensive disease . . . . . 446-447	9.5	13.8	10.7	7.8	6.5
General arteriosclerosis . . . . . 450	17.5	21.3	16.7	18.5	12.1
Varicose veins of lower extremities . . . . . 460	9.3	8.8	10.6	10.4	6.4
Hemorrhoids (with or without ulcer) . . . . . 461	7.1	7.7	6.8	7.3	6.5
All other diseases of circulatory system . . . . . Residual	13.0	15.4	14.0	10.9	10.8
VIII. Diseases of the respiratory system . . . . . 470-527	6.3	7.5	6.2	6.3	4.7
Acute upper respiratory infections . . . . . 470-475	5.2	5.9	5.7	4.9	3.7
Influenza . . . . . 480-483	7.3	7.0	8.6	7.5	5.1
Pneumonia, all forms . . . . . 490-493	9.8	13.3	9.5	9.0	8.2
Acute bronchitis (or subacute) . . . . . 500	6.9	8.0	6.8	7.1	5.0
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	6.9	7.9	7.1	6.8	5.7
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	12.6	17.0	11.8	12.0	10.4
Hypertrophy of tonsils and adenoids . . . . . 510	2.2	2.1	2.6	2.1	1.8
All other diseases of respiratory system . . . . . Residual	8.3	10.8	7.3	8.0	7.3
IX. Diseases of the digestive system . . . . . 530-587	8.2	9.7	8.6	7.2	7.5
Diseases of the buccal cavity and esophagus . . . . . 530-539	3.7	3.1	4.1	3.8	4.0
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	10.7	13.3	11.2	9.0	10.9
Gastritis and duodenitis . . . . . 543	6.0	7.1	7.4	5.2	4.6
Appendicitis . . . . . 550-552	6.8	7.9	7.3	6.4	5.3
Inguinal hernia . . . . . 560.0,561.0	7.2	8.3	6.9	6.6	6.6
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	9.1	10.5	9.5	8.7	7.3
Intestinal obstruction without mention of hernia . . . . . 570	11.9	15.3	11.6	11.2	9.8
Gastroenteritis and colitis, except ulcerative . . . . . 571	5.2	5.6	5.5	5.0	4.4
Chronic enteritis and ulcerative colitis . . . . . 572	10.2	12.7	10.0	8.2	9.2
Cholelithiasis and cholecystitis . . . . . 584-585	11.0	12.8	11.3	10.1	9.5
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	13.9	17.5	13.4	11.8	12.9
All other diseases of digestive system . . . . . Residual	8.2	10.7	8.3	6.7	7.4

See footnote at end of table.

Table 7. Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
	Average length of stay in days				
X. Diseases of the genitourinary system . . . . . 590-637	7.2	7.9	7.5	7.0	5.7
Infections of kidney . . . . . 600	8.9	9.8	9.8	8.1	8.3
Calculi of kidney and ureter . . . . . 602	7.0	8.3	<sup>1</sup> 6.8	6.9	5.2
Other diseases of kidney and ureter . . . . . 590-594,601,603	7.8	7.8	6.1	10.6	9.0
Cystitis . . . . . 605	6.2	7.2	6.2	6.1	4.7
All other diseases of urinary system . . . . . 604,606-609	7.9	8.4	8.6	7.0	7.9
Hyperplasia of prostate . . . . . 610	14.1	15.5	15.6	12.1	10.6
Other diseases of male genital organs . . . . . 611-617	5.5	5.7	5.9	5.8	3.7
Diseases of breast (includes male breast) . . . . . 620-621	4.4	5.6	5.2	3.5	2.8
Cervicitis . . . . . 630.0	5.7	5.2	7.4	5.4	3.5
Uterovaginal prolapse . . . . . 631	11.0	11.7	11.1	11.0	9.4
Disorders of menstruation . . . . . 634	4.5	4.8	4.6	5.0	2.9
Other diseases of female genital organs . . . . . Residual	6.6	6.7	7.1	7.0	4.9
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	4.1	4.6	4.4	3.7	3.3
Abortion . . . . . 650	3.8	3.0	5.4	4.0	2.1
Delivery without mention of complication . . . . . 660	4.1	4.7	4.4	3.5	3.4
Delivery with complications of childbirth . . . . . 670-678	5.1	5.8	5.4	4.8	4.2
All other complications of pregnancy and childbirth . . . . . Residual	3.2	3.8	2.9	3.3	2.4
XII. Diseases of the skin and cellular tissue . . . . . 690-716	8.4	9.4	8.4	7.7	8.0
Infections of skin and subcutaneous tissue . . . . . 690-698	7.9	9.2	8.0	6.5	9.3
All other diseases of skin and cellular tissue . . . . . Residual	8.6	9.6	8.6	8.7	7.1
XIII. Diseases of the bones and organs of movement . . . . . 720-749	10.4	11.7	11.3	9.2	9.0
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	12.3	17.3	12.5	9.9	11.2
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	11.8	15.3	12.3	9.7	11.9
Displacement of intervertebral disc . . . . . 735	12.9	14.4	14.0	11.9	11.4
Synovitis, bursitis, and tenosynovitis . . . . . 741	4.9	5.2	5.7	4.5	3.3
All other diseases of bones and organs of movement . . . . . Residual	9.1	10.3	10.1	8.7	6.6
XIV. Congenital malformations . . . . . 750-759	9.3	9.3	9.5	9.8	7.9
XV. Certain diseases of early infancy . . . . . 760-776	10.8	10.1	9.2	13.2	9.1
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	6.7	7.7	6.7	6.1	6.5
Symptoms referable to respiratory system . . . . . 783	5.3	6.2	5.7	4.8	4.7
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	5.8	6.9	6.4	4.8	6.4
All other symptoms . . . . . 780-782,786-789	7.5	8.1	7.8	7.0	7.3
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	4.3	5.2	4.4	3.9	3.9
Senility, ill-defined conditions, undiagnosed diseases, and diagnosis not codable . . . . . 790-792,794-795	8.2	11.8	7.1	7.7	7.3

See footnote at end of table.

Table 7. Average length of stay of inpatients discharged from short-stay hospitals, by category of first-listed diagnosis and geographic region: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
	Average length of stay in days				
XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0	9.4	11.4	9.9	8.6	7.5
Fracture of skull and face bones . . . . . 800-803	8.0	9.7	8.8	6.8	6.9
Fracture of upper limb(s) . . . . . 812-817	6.9	9.3	7.1	5.4	5.6
Fracture of neck of femur . . . . . 820	28.8	32.2	31.7	23.6	25.3
Other fracture of lower limb(s) . . . . . 821-826	14.6	17.5	14.4	14.8	11.2
Fracture of other and multiple sites . . . . . 805-811	14.5	19.6	14.7	12.7	11.9
Dislocation without fracture . . . . . 830-839	6.4	7.6	7.0	5.1	6.1
Sprains and strains of back (including neck) . . . . . 846-847	7.9	8.9	8.0	7.5	8.0
Head injury (excluding skull fracture) . . . . . 850-856	6.1	6.3	7.0	6.3	4.1
Laceration and open wound of eye, ear, and face . . . . . 870-873	4.9	6.1	4.3	4.6	5.2
Laceration and open wound of other and multiple sites . . . . . 874-898	5.9	7.0	6.4	5.6	4.3
Burns . . . . . 940-949	15.7	22.6	13.0	16.3	8.5
All other injuries . . . . . Residual 800-959,Y10.0	6.9	7.4	7.0	7.0	5.8
Adverse effects of chemical and other external causes . . . . . 960-999	6.4	7.6	7.2	6.1	4.5

<sup>1</sup>Caution must be exercised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. See appendix I on the reliability of estimates.

Table 8. Annual rate of discharges from short-stay hospitals, by class of first-listed diagnosis, selected diagnostic categories, and geographic region: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Geographic region				
	All regions	Northeast	North Central	South	West
Number of discharges per 10,000 population					
IX. Diseases of the digestive system . . . . . 530-587	204.1	188.2	222.0	219.4	168.5
Ulcer of stomach and duodenum, and gastrojejunal ulcer . . . . . 540-542	22.8	17.1	24.4	28.0	18.6
Appendicitis . . . . . 550-552	17.1	15.1	17.1	19.7	15.1
Inguinal hernia . . . . . 560.0,561.0	25.7	30.1	28.1	20.4	24.8
Gastroenteritis and colitis, except ulcerative . . . . . 571	26.1	18.8	26.2	34.9	19.8
Cholelithiasis and cholecystitis . . . . . 584-585	24.7	23.2	29.8	23.0	21.3
X. Diseases of the genitourinary system . . . . . 590-637	135.5	127.4	155.1	137.1	111.4
Hyperplasia of prostate . . . . . 610	9.8	12.5	11.0	7.1	8.6
Disorders of menstruation . . . . . 634	20.3	21.6	22.0	18.8	18.3
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	214.1	217.0	235.3	202.6	195.8
XII. Diseases of the skin and cellular tissue . . . . . 690-716	19.9	19.4	22.3	20.2	15.9
XIII. Diseases of the bones and organs of movement . . . . . 720-749	55.3	43.9	66.0	52.5	59.0
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	7.0	4.6	9.4	6.6	7.2
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720,722,724-727	9.8	6.5	12.3	11.3	7.4
Displacement of intervertebral disc . . . . . 735	13.1	8.6	15.3	11.9	18.3
XIV. Congenital malformations . . . . . 750-759	11.7	12.0	14.0	10.5	9.7
XV. Certain diseases of early infancy . . . . . 760-776	2.6	1.4	3.1	3.1	2.4
XVI and supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	58.1	44.1	61.1	67.8	55.3
XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0	147.8	129.3	154.7	150.3	158.5
Fractures, all sites . . . . . 800-826	52.9	49.5	56.7	49.8	57.3
Head injury (excluding skull fracture) . . . . . 850-856	16.5	18.3	16.2	14.9	17.6
Laceration and open wound . . . . . 870-898	17.8	15.4	17.0	21.3	16.0

<sup>1</sup> Caution should be exercised in the use of this figure since the relative standard error of the estimated number of discharges exceeds 25 percent. See "Reliability of Estimates," appendix I.

Table 9. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of single and first of multiple diagnoses: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Total	Diagnosis		Total	Diagnosis	
		Single	First of multiple		Single	First of multiple
	Number of inpatients discharged in thousands			Average length of stay in days		
All conditions . . . . .	28,070	16,695	11,375	8.5	6.5	11.3
Excluding obstetrical conditions (Class XI) . . . . .	23,887	12,965	10,922	9.2	7.2	11.5
I. Infective and parasitic diseases . . . . . 002-138	319	181	138	9.9	8.9	11.1
Diseases attributable to viruses . . . . . 080-096	177	111	66	8.2	7.7	9.1
All other infective and parasitic diseases . . . . . 002-074,100-138	142	70	71	12.0	11.0	13.0
II. Neoplasms . . . . . 140-239	1,927	985	942	11.4	9.0	14.0
Malignant neoplasms . . . . . 140-205	1,044	484	561	15.3	12.7	17.6
Malignant neoplasm of large intestine and rectum . . . . . 153-154,199.2	117	45	72	21.3	17.0	24.0
Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152,155-159,199.1,199.3	78	27	50	17.6	15.2	18.9
Malignant neoplasm of thoracic organs . . . . . 162-165	102	40	62	17.5	16.2	18.3
Malignant neoplasm of breast . . . . . 170	112	46	66	15.7	13.5	17.3
Malignant neoplasm of uterus . . . . . 171-174	127	72	55	10.2	8.4	12.6
Malignant neoplasm of prostate . . . . . 177	58	22	36	14.3	11.4	16.0
Malignant neoplasm of urinary organs . . . . . 180-181,199.4	72	40	32	13.4	10.7	16.8
Neoplasms of lymphatic and hematopoietic tissues . . . . . 198,200-205	107	55	52	14.3	12.4	16.3
Malignant neoplasm of other and unspecified sites . . . . . Residual	272	137	135	14.6	12.7	16.7
Benign neoplasms and neoplasms of unspecified nature . . . . . 210-239	883	501	382	6.7	5.3	8.6
Uterine fibromyoma . . . . . 214	173	54	119	9.2	8.1	9.7
Other benign neoplasm of uterus . . . . . 215	104	41	64	6.2	3.8	7.7
Benign neoplasm of other female genital organs . . . . . 216-217	118	62	56	7.5	6.2	8.9
Benign neoplasm of skin . . . . . 220-222	95	76	19	5.9	4.9	10.1
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature . . . . . Residual	393	269	124	5.8	4.9	7.7
III. Allergic, endocrine system, metabolic, and nutritional diseases . . . . . 240-289	785	265	520	10.4	7.3	12.0
Hay fever and asthma . . . . . 240-241	134	70	64	8.3	6.5	10.3
Diseases of thyroid gland . . . . . 250-254	117	71	46	7.8	6.8	9.3
Diabetes mellitus . . . . . 260	385	71	314	12.2	8.9	13.0
All other allergic, endocrine, metabolic, and nutritional diseases . . . . . Residual	149	53	96	9.5	7.0	10.9
IV. Diseases of blood and blood-forming organs . . . . . 290-299	175	62	112	10.7	9.4	11.4
V. Mental, psychoneurotic, and personality disorders . . . . . 300-329	799	466	333	12.2	12.6	11.7
Acute brain disorders . . . . . 300-307	90	27	63	6.2	4.1	7.1
Chronic brain disorders . . . . . 308-317	47	8	38	18.3	14.7	19.0
Psychotic disorders . . . . . 318-322	151	120	31	20.1	20.3	19.0
Depressive reaction . . . . . 324.5	119	80	39	15.6	15.7	15.4
Other psychoneurotic disorders . . . . . 324.0-324.4,324.9	150	81	68	7.8	7.1	8.6
All other mental, psychoneurotic, and personality disorders . . . . . Residual	243	150	93	9.5	9.1	10.1

Table 9. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of single and first of multiple diagnoses: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Total	Diagnosis		Total	Diagnosis		
		Single	First of multiple		Single	First of multiple	
		Number of inpatients discharged in thousands			Average length of stay in days		
VI. Diseases of the nervous system and sense organs . . . . .	330-398	1,542	809	733	11.0	7.8	14.6
Vascular lesions affecting central nervous system . . . . .	330-334	504	181	323	16.6	12.9	18.6
Other diseases of central nervous system . . . . .	340-357	243	114	129	13.7	8.4	18.4
Diseases of nerves and peripheral ganglia . . . . .	360-369	136	82	54	9.8	8.4	11.9
Cataract . . . . .	385	217	159	58	8.0	7.3	9.8
Other diseases and conditions of eye . . . . .	370-384,386-389	217	152	65	5.9	4.8	8.4
Diseases of ear and mastoid process . . . . .	390-398	225	120	104	4.4	3.7	5.2
VII. Diseases of the circulatory system . . . . .	400-468	2,669	1,008	1,660	12.7	10.7	14.0
Rheumatic fever and chronic rheumatic heart disease . . . . .	400-416	94	30	64	13.0	11.5	13.6
Arteriosclerotic heart disease so described . . . . .	420.0	349	48	300	14.0	11.7	14.3
Acute coronary occlusion . . . . .	420.1	372	190	182	18.8	18.0	19.7
Other arteriosclerotic heart disease . . . . .	420.2-420.5	341	150	191	10.3	8.3	11.9
Congestive heart failure . . . . .	434.1	182	39	143	13.7	10.9	14.4
Hypertensive heart disease . . . . .	442-443	93	16	77	12.3	8.5	13.1
Other and unspecified diseases of heart . . . . .	421.0-434.0,434.2-434.9	317	79	238	11.5	7.9	12.7
Other hypertensive disease . . . . .	446-447	157	51	106	9.5	9.4	9.5
General arteriosclerosis . . . . .	450	72	18	54	17.5	16.9	17.7
Varicose veins of lower extremities . . . . .	460	124	94	31	9.3	7.9	13.8
Hemorrhoids (with or without ulcer) . . . . .	461	208	127	80	7.1	6.6	8.0
All other diseases of circulatory system . . . . .	Residual	361	167	194	13.0	9.9	15.7
VIII. Diseases of the respiratory system . . . . .	470-527	3,272	2,016	1,256	6.3	4.5	9.0
Acute upper respiratory infections . . . . .	470-475	387	172	215	5.2	4.1	6.2
Influenza . . . . .	480-483	185	119	66	7.3	5.7	10.1
Pneumonia, all forms . . . . .	490-493	704	375	329	9.8	7.8	12.1
Acute bronchitis (or subacute) . . . . .	500	184	96	88	6.9	5.2	8.8
Bronchitis, unqualified and chronic without emphysema . . . . .	501,502.9	199	103	96	6.9	6.0	8.0
Emphysema (with or without bronchitis) . . . . .	502.0,527.1	146	40	106	12.6	10.9	13.2
Hypertrophy of tonsils and adenoids . . . . .	510	1,062	932	130	2.2	2.2	2.1
All other diseases of respiratory system . . . . .	Residual	405	180	225	8.3	6.8	9.5
IX. Diseases of the digestive system . . . . .	530-587	3,986	2,307	1,679	8.2	6.8	10.2
Diseases of the buccal cavity and esophagus . . . . .	530-539	301	184	118	3.7	2.9	4.9
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . .	540-542	445	245	200	10.7	9.2	12.5
Gastritis and duodenitis . . . . .	543	243	130	113	6.0	5.2	6.9
Appendicitis . . . . .	550-552	334	280	54	6.8	6.2	10.2
Inguinal hernia . . . . .	560.0,561.0	502	351	150	7.2	6.3	9.1
Other hernia of abdominal cavity . . . . .	560.1-560.9,561.1-561.9	259	125	134	9.1	7.6	10.5
Intestinal obstruction without mention of hernia . . . . .	570	115	54	61	11.9	9.3	14.3
Gastroenteritis and colitis, except ulcerative . . . . .	571	509	297	212	5.2	4.2	6.5
Chronic enteritis and ulcerative colitis . . . . .	572	192	86	106	10.2	8.5	11.5
Cholelithiasis and cholecystitis . . . . .	584-585	482	292	191	11.0	9.8	13.0
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . .	580-583,586-587	190	73	117	13.9	10.7	16.0
All other diseases of digestive system . . . . .	Residual	415	191	224	8.2	6.5	9.6

Table 9. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of single and first of multiple diagnoses: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Total	Diagnosis		Total	Diagnosis	
		Single	First of multiple		Single	First of multiple
		Number of inpatients discharged in thousands			Average length of stay in days	
X. Diseases of the genitourinary system . . . . . 590-637	2,647	1,343	1,303	7.2	5.4	9.1
Infections of kidney . . . . . 600	160	78	82	8.9	5.7	12.0
Calculi of kidney and ureter . . . . . 602	211	154	56	7.0	6.2	9.3
Other diseases of kidney and ureter . . . . . 590-594,601,603	178	103	75	7.8	5.2	11.3
Cystitis . . . . . 605	173	78	95	6.2	4.7	7.5
All other diseases of urinary system . . . . . 604,606-609	273	124	150	7.9	6.2	9.3
Hyperplasia of prostate . . . . . 610	191	86	105	14.1	12.1	15.7
Other diseases of male genital organs . . . . . 611-617	217	138	79	5.5	4.7	7.0
Diseases of breast (includes male breast) . . . . . 620-621	173	130	43	4.4	3.8	6.4
Cervicitis . . . . . 630.0	131	52	79	5.7	3.3	7.4
Uterovaginal prolapse . . . . . 631	166	19	147	11.0	9.6	11.1
Disorders of menstruation . . . . . 634	396	196	200	4.5	3.6	5.4
Other diseases of female genital organs . . . . . Residual	379	184	195	6.6	4.9	8.3
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	4,183	3,730	453	4.1	3.9	5.9
Abortion . . . . . 650	317	280	37	3.8	3.5	6.2
Delivery without mention of complication . . . . . 660	2,697	2,604	93	4.1	4.0	5.8
Delivery with complications of childbirth . . . . . 670-678	650	403	246	5.1	4.5	6.1
All other complications of pregnancy and childbirth . . . . . Residual	519	442	77	3.2	2.8	5.1
XII. Diseases of the skin and cellular tissue . . . . . 690-716	388	234	155	8.4	6.1	11.8
Infections of skin and subcutaneous tissue . . . . . 690-698	162	102	60	7.9	5.7	11.7
All other diseases of skin and cellular tissue . . . . . Residual	226	132	94	8.6	6.4	11.8
XIII. Diseases of the bones and organs of movement . . . . . 720-749	1,080	632	448	10.4	9.3	11.9
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	137	47	90	12.3	13.0	11.9
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	191	93	99	11.8	10.1	13.5
Displacement of intervertebral disc . . . . . 735	256	199	57	12.9	11.9	16.1
Synovitis, bursitis, and tenosynovitis . . . . . 741	138	108	31	4.9	4.2	7.5
All other diseases of bones and organs of movement . . . . . Residual	357	186	172	9.1	8.1	10.3
XIV. Congenital malformations . . . . . 750-759	228	135	93	9.3	8.5	10.5
XV. Certain diseases of early infancy . . . . . 760-776	51	33	18	10.8	7.6	16.9
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	1,134	622	512	6.7	4.8	8.9
Symptoms referable to respiratory system . . . . . 783	123	57	66	5.3	4.1	6.2
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	211	115	96	5.8	4.6	7.3
All other symptoms . . . . . 780-782,786-789	486	207	279	7.5	5.2	9.3
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	131	128	2	4.3	4.3	4.8
Senility, ill-defined conditions, undiagnosed diseases, and diagnosis not codable . . . . . 790-792,794-795	183	114	69	8.2	5.5	12.6



Table 9. Number of inpatients discharged from short-stay hospitals and average length of stay, by category of single and first of multiple diagnoses: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Total	Diagnosis		Total	Diagnosis	
		Single	First of multiple		Single	First of multiple
		Number of inpatients discharged in thousands		Average length of stay in days		
<b>XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0</b>	<b>2,886</b>	<b>1,867</b>	<b>1,019</b>	<b>9.4</b>	<b>7.6</b>	<b>12.6</b>
Fracture of skull and face bones . . . . . 800-803	127	72	55	8.0	6.0	10.6
Fracture of upper limb(s) . . . . . 812-817	278	223	56	6.9	4.7	15.7
Fracture of neck of femur . . . . . 820	141	77	65	28.8	25.6	32.6
Other fracture of lower limb(s) . . . . . 821-826	299	226	73	14.6	11.6	24.1
Fracture of other and multiple sites . . . . . 805-811	188	99	89	14.5	11.2	18.1
Dislocation without fracture . . . . . 830-839	117	88	29	6.4	5.6	9.1
Sprains and strains of back (including neck) . . . . . 846-847	274	167	107	7.9	7.5	8.6
Head injury (excluding skull fracture) . . . . . 850-856	323	155	168	6.1	4.0	8.1
Laceration and open wound of eye, ear, and face . . . . . 870-873	95	43	53	4.9	3.1	6.3
Laceration and open wound of other and multiple sites . . . . . 874-898	252	184	68	5.9	4.7	9.4
Burns . . . . . 940-949	92	66	26	15.7	15.3	16.8
All other injuries . . . . . Residual 800-959,Y10.0	415	291	123	6.9	5.8	9.4
Adverse effects of chemical and other external causes . . . . . 960-999	284	176	108	6.4	5.7	7.6

Table 10. Number and percent distribution of all-listed diagnoses for inpatients discharged from short-stay hospitals, by diagnostic category and sex: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Both sexes <sup>1</sup>	Male	Female	Male	Female
	Number of all-listed diagnoses in thousands			Percent of all-listed diagnoses	
All conditions . . . . .	47,434	19,417	27,905	40.9	58.8
Excluding obstetrical conditions (Class XI) . . . . .	42,890	19,417	23,360	45.3	54.5
I. Infective and parasitic diseases . . . . . 002-138	572	278	293	48.6	51.3
Diseases attributable to viruses . . . . . 080-096	236	117	118	49.8	50.1
All other infective and parasitic diseases . . . . . 002-074,100-138	336	160	175	47.7	52.1
II. Neoplasms . . . . . 140-239	3,182	1,057	2,119	33.2	66.6
Malignant neoplasms . . . . . 140-205	1,644	750	891	45.6	54.2
Malignant neoplasm of large intestine and rectum . . . . . 153-154,199.2	156	70	86	44.7	55.1
Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152,155-159,199.1,199.3	141	75	66	53.1	46.5
Malignant neoplasm of thoracic organs . . . . . 162-165	157	114	42	72.8	27.0
Malignant neoplasm of breast . . . . . 170	142	4	138	2.8	97.2
Malignant neoplasm of uterus . . . . . 171-174	148	...	148	...	100.0
Malignant neoplasm of prostate . . . . . 177	91	91	...	100.0	...
Malignant neoplasm of urinary organs . . . . . 180-181,199.4	93	63	29	68.5	31.4
Neoplasms of lymphatic and hematopoietic tissues . . . . . 198,200-205	184	89	95	48.3	51.7
Malignant neoplasm of other and unspecified sites . . . . . Residual	533	244	287	45.8	53.9
Benign neoplasms and neoplasms of unspecified nature . . . . . 210-239	1,537	307	1,228	19.9	79.9
Uterine fibromyoma . . . . . 214	294	...	294	...	100.0
Other benign neoplasm of uterus . . . . . 215	224	...	224	...	100.0
Benign neoplasm of other female genital organs . . . . . 216-217	232	...	232	...	100.0
Benign neoplasm of skin . . . . . 220-222	167	76	90	45.7	54.2
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature . . . . . Residual	620	231	387	37.2	62.5
III. Allergic, endocrine system, metabolic, and nutritional diseases . . . . . 240-289	2,337	893	1,437	38.2	61.5
Hay fever and asthma . . . . . 240-241	228	104	123	45.7	53.8
Diseases of thyroid gland . . . . . 250-254	241	41	199	16.9	82.6
Diabetes mellitus . . . . . 260	1,204	485	715	40.3	59.4
All other allergic, endocrine, metabolic, and nutritional diseases . . . . . Residual	664	262	400	39.5	60.2
IV. Diseases of blood and blood-forming organs . . . . . 290-299	648	251	395	38.8	61.0
V. Mental, psychoneurotic, and personality disorders . . . . . 300-329	1,508	646	859	42.8	57.0
Acute brain disorders . . . . . 300-307	147	97	50	65.9	34.1
Chronic brain disorders . . . . . 308-317	131	60	70	46.2	53.3
Psychotic disorders . . . . . 318-322	200	79	120	39.6	60.2
Depressive reaction . . . . . 324.5	173	47	125	27.4	72.5
Other psychoneurotic disorders . . . . . 324.0-324.4,324.9	352	102	249	28.9	70.8
All other mental, psychoneurotic, and personality disorders . . . . . Residual	506	260	244	51.4	48.3

See footnote at end of table.

Table 10. Number and percent distribution of all-listed diagnoses for inpatients discharged from short-stay hospitals, by diagnostic category and sex: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Both sexes <sup>1</sup>	Number of all-listed diagnoses in thousands		Percent of all-listed diagnoses	
		Male	Female	Male	Female
<b>VI. Diseases of the nervous system and sense organs . . . . . 330-398</b>	<b>2,823</b>	<b>1,355</b>	<b>1,458</b>	<b>48.0</b>	<b>51.6</b>
Vascular lesions affecting central nervous system . . . . . 330-334	847	402	441	47.4	52.1
Other diseases of central nervous system . . . . . 340-357	586	286	299	48.7	51.1
Diseases of nerves and peripheral ganglia . . . . . 360-369	237	100	136	42.4	57.3
Cataract . . . . . 385	257	109	147	42.3	57.2
Other diseases and conditions of eye . . . . . 370-384,386-389	412	209	202	50.7	49.1
Diseases of ear and mastoid process . . . . . 390-398	484	250	233	51.7	48.0
<b>VII. Diseases of the circulatory system . . . . . 400-468</b>	<b>5,973</b>	<b>2,902</b>	<b>3,051</b>	<b>48.6</b>	<b>51.1</b>
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	185	74	111	40.0	59.8
Arteriosclerotic heart disease so described . . . . . 420.0	888	428	457	48.2	51.4
Acute coronary occlusion . . . . . 420.1	441	287	152	65.0	34.5
Other arteriosclerotic heart disease . . . . . 420.2-420.5	638	371	266	58.1	41.6
Congestive heart failure . . . . . 434.1	632	314	316	49.6	50.0
Hypertensive heart disease . . . . . 442-443	226	87	137	38.7	60.9
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	1,026	505	517	49.3	50.4
Other hypertensive disease . . . . . 446-447	434	154	278	35.5	64.0
General arteriosclerosis . . . . . 450	263	124	138	47.1	52.5
Varicose veins of lower extremities . . . . . 460	182	46	136	25.0	74.8
Hemorrhoids (with or without ulcer) . . . . . 461	316	163	152	51.6	48.2
All other diseases of circulatory system . . . . . Residual	741	348	391	47.0	52.8
<b>VIII. Diseases of the respiratory system . . . . . 470-527</b>	<b>4,881</b>	<b>2,591</b>	<b>2,276</b>	<b>53.1</b>	<b>46.6</b>
Acute upper respiratory infections . . . . . 470-475	597	293	302	49.0	50.7
Influenza . . . . . 480-483	223	90	133	40.3	59.6
Pneumonia, all forms . . . . . 490-493	1,023	552	468	54.0	45.7
Acute bronchitis (or subacute) . . . . . 500	250	121	128	48.5	51.1
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	355	171	182	48.2	51.3
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	410	314	95	76.7	23.1
Hypertrophy of tonsils and adenoids . . . . . 510	1,093	537	553	49.1	50.6
All other diseases of respiratory system . . . . . Residual	931	513	415	55.1	44.6
<b>IX. Diseases of the digestive system . . . . . 530-587</b>	<b>6,101</b>	<b>2,909</b>	<b>3,175</b>	<b>47.7</b>	<b>52.0</b>
Diseases of the buccal cavity and esophagus . . . . . 530-539	509	212	296	41.6	58.1
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	627	379	245	60.5	39.2
Gastritis and duodenitis . . . . . 543	371	175	196	47.0	52.7
Appendicitis . . . . . 550-552	371	192	177	51.8	47.8
Inguinal hernia . . . . . 560.0,561.0	580	515	64	88.7	11.1
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	520	201	318	38.7	61.1
Intestinal obstruction without mention of hernia . . . . . 570	199	77	122	38.7	61.1
Gastroenteritis and colitis, except ulcerative . . . . . 571	641	261	379	40.7	59.1
Chronic enteritis and ulcerative colitis . . . . . 572	406	148	256	36.4	63.2
Cholelithiasis and cholecystitis . . . . . 584-585	640	166	473	25.9	73.8
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	398	214	182	53.7	45.7
All other diseases of digestive system . . . . . Residual	840	370	467	44.1	55.6

See footnote at end of table.

Table 10. Number and percent distribution of all-listed diagnoses for inpatients discharged from short-stay hospitals, by diagnostic category and sex: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Both sexes <sup>1</sup>	Male	Female	Percent of all-listed diagnoses	
				Male	Female
				Number of all-listed diagnoses in thousands	
				Percent of all-listed diagnoses	
X. Diseases of the genitourinary system . . . . . 590-637	5,070	1,612	3,453	31.8	68.1
Infections of kidney . . . . . 600	305	92	213	30.1	69.8
Calculi of kidney and ureter . . . . . 602	256	172	83	67.1	32.5
Other diseases of kidney and ureter . . . . . 590-594,601,603	360	198	160	55.0	44.5
Cystitis . . . . . 605	374	98	276	26.2	73.7
All other diseases of urinary system . . . . . 604,606-609	668	293	373	43.8	55.8
Hyperplasia of prostate . . . . . 610	338	338	...	100.0	...
Other diseases of male genital organs . . . . . 611-617	404	404	...	100.0	...
Diseases of breast (includes male breast) . . . . . 620-621	213	17	196	8.0	91.9
Cervicitis . . . . . 630.0	332	...	332	...	100.0
Uterovaginal prolapse . . . . . 631	467	...	467	...	100.0
Disorders of menstruation . . . . . 634	519	...	519	...	100.0
Other diseases of female genital organs . . . . . Residual	833	...	833	...	100.0
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	4,545	...	4,545	...	100.0
Abortion . . . . . 650	327	...	327	...	100.0
Delivery without mention of complication . . . . . 660	2,697	...	2,697	...	100.0
Delivery with complications of childbirth . . . . . 670-678	738	...	738	...	100.0
All other complications of pregnancy and childbirth . . . . . Residual	783	...	783	...	100.0
XII. Diseases of the skin and cellular tissue . . . . . 690-716	728	332	395	45.6	54.2
Infections of skin and subcutaneous tissue . . . . . 690-698	269	145	124	53.8	46.1
All other diseases of skin and cellular tissue . . . . . Residual	459	187	271	40.8	58.9
XIII. Diseases of the bones and organs of movement . . . . . 720-749	2,043	845	1,194	41.3	58.4
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	435	155	278	35.8	64.0
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	407	150	255	37.0	62.7
Displacement of intervertebral disc . . . . . 735	323	180	143	55.6	44.2
Synovitis, bursitis, and tenosynovitis . . . . . 741	188	78	110	41.4	58.5
All other diseases of bones and organs of movement . . . . . Residual	691	282	408	40.8	59.0
XIV. Congenital malformations . . . . . 750-759	412	217	194	52.7	47.1
XV. Certain diseases of early infancy . . . . . 760-776	93	54	40	57.5	42.5
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	2,262	1,056	1,199	46.7	53.0
Symptoms referable to respiratory system . . . . . 783	185	105	79	56.7	43.0
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	356	140	215	39.2	60.3
All other symptoms . . . . . 780-782,786-789	1,162	582	577	50.0	49.6
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	177	64	113	36.0	63.9
Senility, ill-defined conditions, undiagnosed diseases, and diagnosis not codable . . . . . 790-792,794-795	383	167	215	43.5	56.2

See footnote at end of table.

Table 10. Number and percent distribution of all-listed diagnoses for inpatients discharged from short-stay hospitals, by diagnostic category and sex: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	Both sexes <sup>1</sup>	Male	Female	Male	Female
	Number of all-listed diagnoses in thousands			Percent of all-listed diagnoses	
<b>XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0</b>	<b>4,255</b>	<b>2,420</b>	<b>1,824</b>	<b>56.9</b>	<b>42.9</b>
Fracture of skull and face bones . . . . . 800-803	169	120	49	70.9	28.8
Fracture of upper limb(s) . . . . . 812-817	315	165	149	52.5	47.3
Fracture of neck of femur . . . . . 820	159	43	116	27.2	72.6
Other fracture of lower limb(s) . . . . . 821-826	344	197	146	57.2	42.4
Fracture of other and multiple sites . . . . . 805-811	257	142	114	55.3	44.4
Dislocation without fracture . . . . . 830-839	145	105	40	72.3	27.4
Sprains and strains of back (including neck) . . . . . 846-847	372	185	186	49.8	50.1
Head injury (excluding skull fracture) . . . . . 850-856	468	309	157	66.1	33.7
Laceration and open wound of eye, ear, and face . . . . . 870-873	184	126	58	68.4	31.5
Laceration and open wound of other and multiple sites . . . . . 874-898	364	258	105	70.8	29.0
Burns . . . . . 940-949	117	79	37	68.0	31.7
All other injuries . . . . . Residual 800-959,Y10.0	610	364	245	59.7	40.1
Adverse effects of chemical and other external causes . . . . . 960-999	752	328	423	43.6	56.2

<sup>1</sup> Includes diagnoses for inpatients discharged for whom sex was not stated.

Table 11. Number and percent distribution of all-listed diagnoses for inpatients under 65 years and 65 years and over discharged from short-stay hospitals, by diagnostic category: United States, 1968

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	65 years and over	Under 65 years	65 years and over
	Number of all-listed diagnoses in thousands			Percent of all-listed diagnoses	
All conditions .....	47,434	34,723	12,699	73.2	26.8
Excluding obstetrical conditions (Class XI) .....	42,890	30,178	12,699	70.4	29.6
I. Infective and parasitic diseases ..... 002-138	572	479	93	83.8	16.2
Diseases attributable to viruses ..... 080-096	236	207	29	87.8	12.2
All other infective and parasitic diseases ..... 002-074,100-138	336	272	64	81.0	19.0
II. Neoplasms ..... 140-239	3,182	2,273	908	71.4	28.5
Malignant neoplasms ..... 140-205	1,644	887	757	54.0	46.0
Malignant neoplasm of large intestine and rectum ..... 153-154,199.2	159	62	94	39.6	60.3
Malignant neoplasm of other digestive organs and peritoneum ..... 150-152,155-159,199.1,199.3	141	67	74	47.3	52.7
Malignant neoplasm of thoracic organs ..... 162-165	157	85	72	54.4	45.6
Malignant neoplasm of breast ..... 170	142	90	51	63.7	36.3
Malignant neoplasm of uterus ..... 171-174	148	111	37	75.1	24.9
Malignant neoplasm of prostate ..... 177	91	13	78	13.9	86.1
Malignant neoplasm of urinary organs ..... 180-181,199.4	93	35	57	38.2	61.8
Neoplasms of lymphatic and hematopoietic tissues ..... 198,200-205	184	113	71	61.6	38.3
Malignant neoplasm of other and unspecified sites ..... Residual	533	310	222	58.3	41.7
Benign neoplasms and neoplasms of unspecified nature ..... 210-239	1,537	1,386	152	90.1	9.9
Uterine fibromyoma ..... 214	294	281	13	95.6	4.4
Other benign neoplasm of uterus ..... 215	224	211	13	94.0	6.0
Benign neoplasm of other female genital organs ..... 216-217	232	225	7	96.9	3.1
Benign neoplasm of skin ..... 220-222	167	158	8	95.1	4.9
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature ..... Residual	620	510	110	82.3	17.7
III. Allergic, endocrine system, metabolic, and nutritional diseases ..... 240-289	2,337	1,470	867	62.9	37.1
Hay fever and asthma ..... 240-241	228	170	57	74.7	25.1
Diseases of thyroid gland ..... 250-254	241	191	50	79.3	20.6
Diabetes mellitus ..... 260	1,204	630	574	52.3	47.7
All other allergic, endocrine, metabolic, and nutritional diseases ..... Residual	664	478	185	72.0	27.9
IV. Diseases of blood and blood-forming organs ..... 290-299	648	421	227	65.0	35.0
V. Mental, psychoneurotic, and personality disorders ..... 300-329	1,508	1,238	270	82.1	17.9
Acute brain disorders ..... 300-307	147	128	19	87.2	12.7
Chronic brain disorders ..... 308-317	131	32	99	24.6	75.4
Psychotic disorders ..... 318-322	200	175	25	87.4	12.6
Depressive reaction ..... 324.5	173	149	24	86.0	13.9
Other psychoneurotic disorders ..... 324.0-324.4,324.9	352	309	43	87.8	12.2
All other mental, psychoneurotic, and personality disorders ..... Residual	506	445	61	88.0	12.0

See footnote at end of table.

Table 11. Number and percent distribution of all-listed diagnoses for inpatients under 65 years and 65 years and over discharged from short-stay hospitals, by diagnostic category: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	65 years and over	Percent of all-listed diagnoses	
				Under 65 years	65 years and over
	Number of all-listed diagnoses in thousands			Percent of all-listed diagnoses	
VI. Diseases of the nervous system and sense organs . . . . . 330-398	2,823	1,550	1,272	54.9	45.1
Vascular lesions affecting central nervous system . . . . . 330-334	847	227	620	26.7	73.2
Other diseases of central nervous system . . . . . 340-357	586	359	227	61.2	38.7
Diseases of nerves and peripheral ganglia . . . . . 360-369	237	179	58	75.4	24.6
Cataract . . . . . 385	257	74	182	28.9	71.1
Other diseases and conditions of eye . . . . . 370-384,386-389	412	282	130	68.3	31.7
Diseases of ear and mastoid process . . . . . 390-398	484	430	54	88.9	11.1
VII. Diseases of the circulatory system . . . . . 400-468	5,973	2,759	3,213	46.2	53.8
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	185	143	43	77.0	23.0
Arteriosclerotic heart disease so described . . . . . 420.0	888	194	694	21.9	78.1
Acute coronary occlusion . . . . . 420.1	441	219	223	49.6	50.4
Other arteriosclerotic heart disease . . . . . 420.2-420.5	638	333	305	52.2	47.8
Congestive heart failure . . . . . 434.1	632	165	467	26.1	73.9
Hypertensive heart disease . . . . . 442-443	226	89	137	39.4	60.5
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	1,026	389	636	38.0	62.0
Other hypertensive disease . . . . . 446-447	434	279	154	64.4	35.5
General arteriosclerosis . . . . . 450	263	54	209	20.5	79.5
Varicose veins of lower extremities . . . . . 460	182	139	44	76.1	23.9
Hemorrhoids (with or without ulcer) . . . . . 461	316	277	39	87.7	12.3
All other diseases of circulatory system . . . . . Residual	741	477	264	64.4	35.6
VIII. Diseases of the respiratory system . . . . . 470-527	4,881	3,782	1,097	77.5	22.5
Acute upper respiratory infections . . . . . 470-475	597	536	60	89.9	10.1
Influenza . . . . . 480-483	223	159	63	71.4	28.5
Pneumonia, all forms . . . . . 490-493	1,023	707	316	69.1	30.9
Acute bronchitis (or subacute) . . . . . 500	250	195	55	78.0	21.9
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	355	275	81	77.3	22.7
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	410	160	249	39.1	60.8
Hypertrophy of tonsils and adenoids . . . . . 510	1,093	1,093	-	100.0	-
All other diseases of respiratory system . . . . . Residual	931	657	273	70.6	29.3
IX. Diseases of the digestive system . . . . . 530-587	6,101	4,498	1,601	73.7	26.2
Diseases of the buccal cavity and esophagus . . . . . 530-539	509	440	68	86.6	13.4
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	627	459	168	73.2	26.8
Gastritis and duodenitis . . . . . 543	371	305	66	82.2	17.7
Appendicitis . . . . . 550-552	371	356	14	96.2	3.8
Inguinal hernia . . . . . 560.0,561.0	580	458	122	79.0	21.0
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	520	321	199	61.8	38.2
Intestinal obstruction without mention of hernia . . . . . 570	199	110	89	55.1	44.8
Gastroenteritis and colitis, except ulcerative . . . . . 571	641	534	107	83.3	16.7
Chronic enteritis and ulcerative colitis . . . . . 572	406	186	220	45.8	54.2
Cholelithiasis and cholecystitis . . . . . 584-585	640	422	218	65.9	34.1
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	398	292	106	73.3	26.7
All other diseases of digestive system . . . . . Residual	840	615	224	73.3	26.7

See footnote at end of table.

Table 11. Number and percent distribution of all-listed diagnoses for inpatients under 65 years and 65 years and over discharged from short-stay hospitals, by diagnostic category: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	65 years and over	Under 65 years	65 years and over
	Number of all-listed diagnoses in thousands			Percent of all-listed diagnoses	
X. Diseases of the genitourinary system . . . . . 590-637	5,070	4,014	1,056	79.2	20.8
Infections of kidney . . . . . 600	305	208	97	68.3	31.7
Calculi of kidney and ureter . . . . . 602	256	212	44	82.9	17.1
Other diseases of kidney and ureter . . . . . 590-594,601,603	360	278	82	77.2	22.7
Cystitis . . . . . 605	374	255	119	68.1	31.9
All other diseases of urinary system . . . . . 604,606-609	668	457	211	68.4	31.6
Hyperplasia of prostate . . . . . 610	338	98	241	28.8	71.2
Other diseases of male genital organs . . . . . 611-617	404	320	84	79.2	20.8
Diseases of breast (includes male breast) . . . . . 620-621	213	199	13	93.8	6.2
Cervicitis . . . . . 630.0	332	317	14	95.6	4.4
Uterovaginal prolapse . . . . . 631	467	377	89	80.8	19.2
Disorders of menstruation . . . . . 634	519	508	12	97.7	2.3
Other diseases of female genital organs . . . . . Residual	833	784	49	94.1	5.9
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-639,Y06-Y07	4,545	4,545	...	100.0	...
Abortion . . . . . 650	327	327	...	100.0	...
Delivery without mention of complication . . . . . 660	2,697	2,697	...	100.0	...
Delivery with complications of childbirth . . . . . 670-678	738	738	...	100.0	...
All other complications of pregnancy and childbirth . . . . . Residual	783	783	...	100.0	...
XII. Diseases of the skin and cellular tissue . . . . . 690-716	728	580	148	79.7	20.3
Infections of skin and subcutaneous tissue . . . . . 690-698	269	225	44	83.5	16.5
All other diseases of skin and cellular tissue . . . . . Residual	459	356	104	77.4	22.5
XIII. Diseases of the bones and organs of movement . . . . . 720-749	2,043	1,391	652	68.1	31.9
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	435	182	252	41.9	58.1
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	407	256	151	62.9	37.1
Displacement of intervertebral disc . . . . . 735	323	289	34	89.4	10.5
Synovitis, bursitis, and tenosynovitis . . . . . 741	188	163	25	86.8	13.2
All other diseases of bones and organs of movement . . . . . Residual	692	501	190	72.6	27.4
XIV. Congenital malformations . . . . . 750-759	412	381	31	92.6	7.4
XV. Certain diseases of early infancy . . . . . 760-776	93	93	...	100.0	...
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	2,262	1,687	575	74.6	25.4
Symptoms referable to respiratory system . . . . . 783	185	139	46	75.1	24.9
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	356	280	75	78.8	21.2
All other symptoms . . . . . 780-782,786-789	1,162	866	296	74.5	25.5
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	177	168	9	94.9	5.1
Senility, ill-defined conditions, undiagnosed diseases, and diagnosis not codable . . . . . 790-792,794-795	383	234	148	61.1	38.7

See footnote at end of table.



Table 11. Number and percent distribution of all-listed diagnoses for inpatients under 65 years and 65 years and over discharged from short-stay hospitals, by diagnostic category: United States, 1968—Con.

[Excludes newborn infants and Federal hospitals. Diagnostic groupings and code number inclusions are based on the International Classification of Diseases, Adapted, revised edition, December 1962]

Diagnostic category and ICDA codes	All ages <sup>1</sup>	Under 65 years	65 years and over	Under 65 years	65 years and over
	Number of all-listed diagnoses in thousands			Percent of all-listed diagnoses	
<b>XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0</b>	<b>4,255</b>	<b>3,561</b>	<b>690</b>	<b>83.7</b>	<b>16.2</b>
Fracture of skull and face bones . . . . . 800-803	169	156	13	92.1	7.7
Fracture of upper limb(s) . . . . . 812-817	315	249	65	79.3	20.7
Fracture of neck of femur . . . . . 820	159	40	119	24.9	75.0
Other fracture of lower limb(s) . . . . . 821-826	344	285	59	82.9	17.1
Fracture of other and multiple sites . . . . . 805-811	257	183	73	71.4	28.4
Dislocation without fracture . . . . . 830-839	145	133	12	92.0	8.0
Sprains and strains of back (including neck) . . . . . 846-847	372	343	28	92.3	7.6
Head injury (excluding skull fracture) . . . . . 850-856	468	422	45	90.2	9.6
Laceration and open wound of eye, ear, and face . . . . . 870-873	184	169	15	91.9	8.1
Laceration and open wound of other and multiple sites . . . . . 874-898	364	341	22	93.8	6.1
Burns . . . . . 940-949	117	108	9	92.2	7.8
All other injuries . . . . . Residual 800-959,Y10.0	610	520	90	85.2	14.8
Adverse effects of chemical and other external causes . . . . . 960-999	752	612	140	81.3	18.6

<sup>1</sup> Includes diagnoses for inpatients discharged for whom age was not stated.

## APPENDIX I

### TECHNICAL NOTES ON METHODS

#### Statistical Design of the Hospital Discharge Survey

*Scope of the Survey.*—The scope of the HDS encompasses patients discharged from noninstitutional hospitals that have six beds or more for inpatient use, are located in the 50 States and the District of Columbia, and in which the average length of stay for all patients is less than 30 days.

*Sampling frame and size of sample.*—The sampling frame (universe) for hospitals in the HDS is the Master Facility Inventory of Hospitals and Institutions (MFI). A detailed description of how the MFI was developed, its contents, plans for maintaining it, and procedures for assessing the completeness of its coverage has been published.<sup>11</sup>

The universe for the survey consisted of 6,965 short-stay hospitals, excluding military and Veterans Administration hospitals, contained in the MFI in 1963. The distribution of the hospitals by size and region in the MFI and the HDS sample for 1968 are shown in table I.

The sample of hospitals for 1968 consisted of 465 hospitals. Of these hospitals, 35 refused to participate and 17 were out of scope either because the hospital had gone out of business or because it failed to meet the definition of a short-stay hospital. Thus, 413 hospitals participated in the survey during 1968. Approximately 210,000 abstracts of medical records were received from the 413 hospitals.

*Sample design.*—All hospitals with 1,000 beds or more in the universe of short-stay hospitals

were selected with certainty in the sample. All hospitals with fewer than 1,000 beds were stratified, with the primary strata being the 24 size-by-region classes shown in table I. Within each of these 24 primary strata, the allocation of the hospitals was made through a controlled selection technique so that hospitals in the sample would be properly distributed with regard to ownership and geographic division. Sample hospitals were drawn with probabilities ranging from certainty for the largest hospitals to 1 in 40 for the smallest hospitals.

The within-hospital sampling ratio for selecting discharges varied inversely with the probability of selection of the hospital. The smallest sampling fraction of discharged patients was taken in the largest hospitals, and the largest fraction was taken in the smallest hospitals. This was done to compensate for the fact that hospitals were selected with probabilities proportionate to size class and to assure that the overall probability of selecting a discharge would be approximately the same in all hospitals.

In nearly all hospitals, the daily listing sheet of discharges was the frame from which the subsamples of discharges were selected within the sample hospitals. The sample discharges were selected by a random technique, usually on the basis of the terminal digit(s) of the patient's medical record number—a number assigned when the patient was admitted to the hospital. If the hospital's daily discharge listing did not show the medical record numbers, the sample was selected by starting with a randomly selected discharge and taking every  $k$ th discharge thereafter.

Table I. Distribution of short-stay hospitals in the universe (MF1) and in the Hospital Discharge Survey sample, and the number of hospitals that participated in the survey, by size of hospital and geographic region: United States, 1968

Size of hospital	Geographic region				
	All regions	Northeast	North Central	South	West
<u>All sizes</u>					
Universe . . . . .	6,965	1,107	1,979	2,620	1,259
Total sample . . . . .	465	123	139	135	68
Number participating . . . . .	413	110	128	117	58
<u>6-49 beds</u>					
Universe . . . . .	3,113	199	830	1,438	646
Total sample . . . . .	59	7	17	23	12
Number participating . . . . .	47	5	15	17	10
<u>50-99 beds</u>					
Universe . . . . .	1,623	288	442	587	306
Total sample . . . . .	66	12	18	24	12
Number participating . . . . .	60	11	18	21	10
<u>100-199 beds</u>					
Universe . . . . .	1,144	277	378	332	157
Total sample . . . . .	95	24	30	29	12
Number participating . . . . .	83	23	25	25	10
<u>200-299 beds</u>					
Universe . . . . .	552	182	151	134	85
Total sample . . . . .	83	29	24	18	12
Number participating . . . . .	75	26	22	17	10
<u>300-499 beds</u>					
Universe . . . . .	386	110	129	96	51
Total sample . . . . .	89	24	29	24	12
Number participating . . . . .	77	19	27	21	10
<u>500-999 beds</u>					
Universe . . . . .	129	42	46	28	13
Total sample . . . . .	55	18	18	12	7
Number participating . . . . .	53	17	18	11	7
<u>1,000 beds or more</u>					
Universe . . . . .	18	9	3	5	1
Total sample . . . . .	18	9	3	5	1
Number participating . . . . .	18	9	3	5	1

## Data Collection and Processing

*Data collection.*—Depending on the study procedure agreed on with the hospital administrator, the sample selection and the transcription of information from the hospital records to abstract forms were performed either by the hospital staff, or by representatives of the NCHS, or by both. In more than three-fourths of the hospitals that participated in the HDS during 1968, this work was performed by the medical records department of the hospital. In nearly all of the remaining hospitals, the work was performed by personnel of the U.S. Bureau of the Census, acting for the NCHS.

Survey hospitals used an optical mark page reader form (abstract form) at the beginning of 1968 to transcribe data from the hospital records and in the latter part of the year changed over to the conventional data entry form shown in figure I. No changes were made in the contents of the form, but the new format was adopted to make it easier for participating hospitals to enter the required information. The abstract form provides for recording demographic data, admission and discharge dates, discharge status, and information on discharge diagnoses and surgical operations or procedures. All discharge diagnoses and operations were listed on the abstract form in the order in which they were entered on the face sheet of the hospital medical record.

Shipments of completed abstract forms for each hospital were transmitted, along with sample selection control sheets, to the NCHS for processing. Every shipment of abstracts was reviewed; each abstract form was checked for completeness; and when necessary, problems were referred to the hospitals for clarification and correction.

*Medical coding and edit.*—The medical information recorded on the sample patient abstracts for data year 1968 were coded centrally by NCHS staff. A maximum of five diagnostic codes and three codes for surgical operations and treatments were assigned for each sample abstract. Following the conversion of the data on the medical abstract to computer tape, a final medical edit was accomplished by computer inspection runs and a review of rejected abstracts. If sex and/or age of patient were incompatible

with the recorded medical information, priority was given to the latter in the editing decision.

The basic system used for coding the medical terminology on HDS sample patient abstracts is the ICDA,<sup>10</sup> exclusive of the following sections:

Supplementary Classification of External Causes of Injury (E802-E998)

Classification of Causes of Stillbirth (Y30-Y39)

Modifications of the basic coding system were made to accommodate incomplete or ill-defined terminology on the source documents.

## Presentation of Estimates

*Grouping of diagnoses.*—The diagnostic classes, the broadest groupings of diseases and injuries shown in this report, correspond to the ICDA classes I-XVII, with two exceptions:

- (1) HDS has subdivided ICDA class "II. Neoplasms" into two major groups, "malignant neoplasms" and "benign neoplasms and neoplasms of unspecified nature."
- (2) HDS has combined ICDA supplementary classification for "special conditions and examinations without sickness (Y00-Y18)" with the major numbered classes of the ICDA. Most of the codes in this group have been combined with class XVI; the title has been expanded accordingly.

The diagnostic categories, the most detailed groupings of diseases and injuries shown in this report, are subsets of the major groups or classes. The titles and the ordering of the categories on the standard tabular list developed for this report follow the format of the ICDA tabular list as closely as possible. In developing the discrete category groupings, an effort was made to maximize specificity of the conditions consistent with clarity of characterization and with the frequency of their occurrence, within the context of the HDS for 1968.

*Patient characteristics "not stated."*—Age of patient and sex of patient was not stated on the

CONFIDENTIAL - All information which would permit identification of an individual or of an establishment will be held confidential, will be used only by persons engaged in and for the purposes of the survey and will not be disclosed or released to other persons or used for any other purpose.

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Public Health Service  
Health Services and Mental Health Administration  
National Center for Health Statistics  
**MEDICAL ABSTRACT – HOSPITAL DISCHARGE SURVEY**

I. Patient Identification

1. Hospital number..... \_\_\_\_\_  
2. HDS number..... \_\_\_\_\_  
3. Medical record number..... \_\_\_\_\_
4. Date of admission \_\_\_\_\_  
Month Day Year  
5. Date of discharge \_\_\_\_\_  
Month Day Year

II. Patient Characteristics

1. Date of birth: \_\_\_\_\_  
Month Day Year
2. Age (complete ONLY if date of birth not given): \_\_\_\_\_  
Units { 1  years  
2  months  
3  days
3. Sex: 1  Male 2  Female
4. Race or color: 1  White 2  Negro 3  Other, nonwhite 4  "Nonwhite" 5  Not stated
5. Marital status: 1  Married 2  Single 3  Widowed 4  Divorced 5  Separated 6  Not stated
6. Discharge status: 1  Alive 2  Dead

III. Diagnoses and Operations

1. Final diagnoses: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  see reverse side

2. Operations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  see reverse side

Completed by \_\_\_\_\_ Date \_\_\_\_\_

FOR NCHS USE ONLY

Diagnoses \_\_\_\_\_  
Operations \_\_\_\_\_

Figure 1. Medical Abstract Form.

Table II. Relative standard errors in percent of the estimated number of discharges, by age, sex, color, geographic region, and category of first-listed diagnosis: Hospital Discharge Survey, 1968

Diagnostic category and ICDA codes	All discharges	Age			
		Under 15 years	15-44 years	45-64 years	65 years and over
Standard error as a percent of the estimated number of discharges					
All conditions . . . . .	1.8	3.4	2.2	2.1	2.5
Excluding obstetrical conditions (Class XI) . . . . .	---	3.4	---	2.1	2.5
I. Infective and parasitic diseases . . . . . 002-138	3.8	6.8	4.3	7.1	8.1
Diseases attributable to viruses . . . . . 080-096	5.8	9.3	5.4	13.1	12.5
All other infective and parasitic diseases . . . . . 002-074,100-138	4.1	8.2	6.5	7.5	9.9
II. Neoplasms . . . . . 140-239	2.4	7.0	3.2	3.1	3.3
Malignant neoplasms . . . . . 140-205	2.6	14.9	4.6	3.2	3.3
Malignant neoplasm of large intestine and rectum . . . . . 153-154,199.2	5.2	...	18.2	8.3	5.9
Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152,155-159,199.1,199.3	5.2	...	20.5	7.6	7.3
Malignant neoplasm of thoracic organs . . . . . 162-165	5.1	...	18.5	6.9	7.1
Malignant neoplasm of breast . . . . . 170	5.0	...	10.4	6.3	7.4
Malignant neoplasm of uterus . . . . . 171-174	5.0	...	7.4	7.2	8.7
Malignant neoplasm of prostate . . . . . 177	7.1	...	...	13.6	8.0
Malignant neoplasm of urinary organs . . . . . 180-181,199.4	5.8	39.1	22.6	8.8	7.9
Neoplasms of lymphatic and hematopoietic tissues . . . . . 198,200-205	5.6	23.9	11.0	9.3	7.6
Malignant neoplasm of other and unspecified sites . . . . . Residual	3.5	19.9	7.5	5.1	4.9
Benign neoplasms and neoplasms of unspecified nature . . . . . 210-239	3.0	7.8	3.4	3.8	5.7
Uterine fibromyoma . . . . . 214	4.8	...	5.5	6.1	24.9
Other benign neoplasm of uterus . . . . . 215	5.6	...	6.9	7.9	16.1
Benign neoplasm of other female genital organs . . . . . 216-217	5.1	32.5	5.4	10.3	23.7
Benign neoplasm of skin . . . . . 220-222	5.4	13.2	6.4	15.6	27.4
Benign neoplasm of other and unspecified organs and tissues and neoplasms of unspecified nature . . . . . Residual	3.3	9.1	4.2	4.6	6.2
III. Allergic, endocrine system, metabolic, and nutritional diseases . . . . . 240-289	2.7	7.5	3.5	3.7	4.1
Hay fever and asthma . . . . . 240-241	5.3	9.6	8.6	9.2	10.8
Diseases of thyroid gland . . . . . 250-254	4.9	25.4	6.4	7.0	12.0
Diabetes mellitus . . . . . 260	3.3	13.3	5.4	4.5	4.8
All other allergic, endocrine, metabolic, and nutritional diseases . . . . . Residual	4.5	12.8	6.5	7.4	7.9
IV. Diseases of blood and blood-forming organs . . . . . 290-299	4.3	11.1	7.2	8.2	8.2
V. Mental, psychoneurotic, and personality disorders . . . 300-329	6.1	10.7	6.4	8.4	6.6
Acute brain disorders . . . . . 300-307	7.3	18.5	9.1	9.8	18.8
Chronic brain disorders . . . . . 308-317	8.2	29.0	22.7	15.4	9.3
Psychotic disorders . . . . . 318-322	8.2	28.1	8.6	9.7	18.3
Depressive reaction . . . . . 324.5	10.8	...	10.9	13.1	16.9
Other psychoneurotic disorders . . . . . 324.0-324.4,324.9	5.3	20.3	6.1	7.5	12.3
All other mental, psychoneurotic, and personality disorders . . . . . Residual	12.5	13.9	10.7	20.8	11.9

Table II. Relative standard errors in percent of the estimated number of discharges, by age, sex, color, geographic region, and category of first-listed diagnosis: Hospital Discharge Survey, 1968—Con.

Sex		Color		Geographic region			
Male	Female	White	All other	Northeast	North Central	South	West
Standard error as a percent of the estimated number of discharges							
1.8	1.9	2.5	6.2	3.3	2.6	3.9	4.5
1.8	---	---	---	---	---	---	---
4.3	4.7	4.8	8.1	6.4	5.9	7.8	7.8
6.4	6.9	6.6	14.4	8.6	7.4	13.0	12.2
5.4	5.6	5.3	8.9	8.1	7.6	7.0	9.9
3.1	2.6	3.0	7.2	4.4	4.0	4.6	7.0
3.2	2.9	3.6	7.8	5.3	4.1	5.0	7.9
7.4	6.3	5.8	16.3	9.8	8.2	11.5	14.6
6.9	7.8	6.1	15.0	9.7	9.8	10.0	13.3
5.7	9.1	5.9	18.3	9.3	8.3	10.3	14.2
25.7	5.1	5.9	15.5	9.3	8.6	9.9	13.2
...	5.0	6.0	13.0	10.0	8.8	9.1	12.9
7.1	...	9.1	18.3	15.1	11.6	13.4	18.3
6.6	9.9	6.9	22.9	9.9	9.6	13.2	15.7
7.0	7.9	6.6	20.8	10.6	8.8	11.9	16.6
4.9	4.2	4.5	10.8	7.3	6.0	6.7	8.7
4.1	3.2	3.9	8.6	5.6	5.1	5.8	8.4
...	4.8	6.0	11.6	8.9	8.7	9.1	13.0
...	5.6	6.4	16.8	10.9	9.4	11.6	13.9
...	5.1	6.0	13.9	10.2	9.2	9.8	12.2
6.8	7.9	6.2	22.3	9.3	9.7	11.4	14.4
4.6	3.8	4.2	9.4	6.3	5.9	6.6	8.2
3.4	3.0	3.7	9.6	5.0	4.3	5.8	6.3
7.0	6.4	6.1	16.5	9.9	9.3	9.9	15.3
10.2	5.2	6.0	13.2	10.6	8.2	8.4	14.4
4.2	4.0	4.2	10.2	5.9	5.5	7.1	8.3
6.3	5.3	5.4	13.5	8.7	7.4	9.1	9.9
6.8	5.4	5.4	11.2	7.4	8.5	7.3	11.0
9.4	5.2	5.2	9.8	16.2	7.2	12.0	14.1
8.3	8.7	8.0	15.2	13.8	12.2	14.1	17.4
10.8	10.0	10.1	17.5	13.9	13.1	19.1	16.4
8.8	8.9	8.3	14.4	12.6	13.9	18.0	20.6
14.7	10.3	9.1	21.2	16.5	14.5	25.3	26.9
8.1	5.6	5.7	14.9	13.5	8.5	10.5	10.2
20.6	7.0	7.3	12.3	19.3	8.7	9.9	21.0

Table II. Relative standard errors in percent of the estimated number of discharges, by age, sex, color, geographic region, and category of first-listed diagnosis: Hospital Discharge Survey, 1968—Con.

Diagnostic category and ICDA codes	All discharges	Age			
		Under 15 years	15-44 years	45-64 years	65 years and over
Standard error as a percent of the estimated number of discharges					
VI. Diseases of the nervous system and sense organs . . . . . 330-398	2.6	5.5	4.1	3.4	3.3
Vascular lesions affecting central nervous system . . . . . 330-334	3.2	25.7	10.9	4.6	3.7
Other diseases of central nervous system . . . . . 340-357	3.7	8.2	5.6	6.9	6.7
Diseases of nerves and peripheral ganglia . . . . . 360-369	6.7	21.6	9.3	7.0	11.3
Cataract . . . . . 385	5.9	21.1	18.0	8.1	6.5
Other diseases and conditions of eye . . . . . 370-384,386-389	5.3	6.9	7.8	9.0	8.3
Diseases of ear and mastoid process . . . . . 390-398	5.7	7.7	8.1	7.4	10.4
VII. Diseases of the circulatory system . . . . . 400-468	2.3	6.4	3.4	2.8	2.9
Rheumatic fever and chronic rheumatic heart disease . . . . . 400-416	5.5	13.5	9.9	7.8	11.7
Arteriosclerotic heart disease so described . . . . . 420.0	4.3	...	17.7	6.7	4.6
Acute coronary occlusion . . . . . 420.1	3.5	...	8.7	4.5	4.2
Other arteriosclerotic heart disease . . . . . 420.2-420.5	4.4	...	9.9	5.3	5.5
Congestive heart failure . . . . . 434.1	5.4	48.9	23.7	7.5	6.2
Hypertensive heart disease . . . . . 442-443	6.5	...	18.4	9.2	8.1
Other and unspecified diseases of heart . . . . . 421.0-434.0,434.2-434.9	5.2	18.7	7.7	5.5	7.1
Other hypertensive disease . . . . . 446-447	4.8	45.9	7.3	6.0	9.8
General arteriosclerosis . . . . . 450	6.3	...	28.0	12.2	7.1
Varicose veins of lower extremities . . . . . 460	5.1	...	6.8	7.1	10.3
Hemorrhoids (with or without ulcer) . . . . . 461	4.5	...	5.9	5.5	9.8
All other diseases of circulatory system . . . . . Residual	3.3	8.0	5.3	5.2	4.6
VIII. Diseases of the respiratory system . . . . . 470-527	3.0	4.2	4.5	3.6	4.6
Acute upper respiratory infections . . . . . 470-475	5.3	6.1	7.8	9.3	11.4
Influenza . . . . . 480-483	9.9	26.6	12.4	8.6	14.2
Pneumonia, all forms . . . . . 490-493	4.2	7.0	6.1	5.7	5.0
Acute bronchitis (or subacute) . . . . . 500	6.0	8.6	10.1	9.1	10.5
Bronchitis, unqualified and chronic without emphysema . . . . . 501,502.9	5.7	7.7	9.5	7.9	12.1
Emphysema (with or without bronchitis) . . . . . 502.0,527.1	5.6	45.7	22.5	7.0	7.1
Hypertrophy of tonsils and adenoids . . . . . 510	4.5	4.7	5.3	17.5	...
All other diseases of respiratory system . . . . . Residual	6.0	9.1	10.5	5.3	6.0
IX. Diseases of the digestive system . . . . . 530-587	2.5	3.9	3.3	2.8	3.2
Diseases of the buccal cavity and esophagus . . . . . 530-539	6.0	10.1	7.5	7.3	9.0
Ulcer of stomach and duodenum and gastrojejunal ulcer . . . . . 540-542	3.7	20.9	5.0	4.3	5.7
Gastritis and duodenitis . . . . . 543	7.5	12.6	8.7	9.7	8.4
Appendicitis . . . . . 550-552	4.6	5.8	5.5	8.5	12.1
Inguinal hernia . . . . . 560.0,561.0	3.2	5.4	5.1	4.1	5.5
Other hernia of abdominal cavity . . . . . 560.1-560.9,561.1-561.9	4.2	10.0	7.6	5.4	5.9
Intestinal obstruction without mention of hernia . . . . . 570	5.1	17.5	9.3	8.0	7.3
Gastroenteritis and colitis, except ulcerative . . . . . 571	4.5	5.8	5.4	7.9	9.1
Chronic enteritis and ulcerative colitis . . . . . 572	4.4	22.8	8.5	6.2	5.8
Cholelithiasis and cholecystitis . . . . . 584-585	3.2	45.3	4.5	4.2	5.0
Diseases of liver, gall bladder, and pancreas, except cholelithiasis and cholecystitis . . . . . 580-583,586-587	3.9	24.5	7.0	5.1	7.0
All other diseases of digestive system . . . . . Residual	3.8	9.4	5.1	5.1	5.1



Table II. Relative standard errors in percent of the estimated number of discharges, by age, sex, color, geographic region, and category of first-listed diagnosis: Hospital Discharge Survey, 1968—Con.

Sex		Color		Geographic region			
Male	Female	White	All other	Northeast	North Central	South	West
Standard error as a percent of the estimated number of discharges							
2.9	2.8	3.5	7.5	4.8	4.3	5.0	7.8
3.8	3.5	3.9	9.9	5.6	5.3	6.3	8.5
4.7	4.5	4.4	10.6	6.7	5.7	6.7	11.8
8.2	7.2	8.0	16.2	9.8	7.8	15.1	13.5
6.7	6.6	6.9	15.9	9.5	10.8	11.4	17.2
5.9	6.5	6.4	11.3	10.2	9.0	11.0	13.1
6.8	6.1	6.3	17.1	14.9	9.6	10.0	12.0
2.5	2.4	3.1	9.4	3.6	3.6	5.1	6.1
8.2	6.9	6.4	14.2	9.1	9.5	13.5	13.3
5.0	5.0	5.1	14.7	7.0	7.3	10.7	9.1
4.0	4.5	4.2	11.2	6.3	6.1	7.5	8.5
5.0	5.2	4.9	17.1	6.8	5.9	10.1	10.5
6.9	6.4	6.5	14.5	9.9	8.1	10.6	12.4
8.7	7.1	8.0	15.1	9.4	11.1	12.4	17.1
5.5	5.9	5.0	20.7	8.7	6.5	11.8	10.5
6.2	5.8	5.9	12.9	9.9	7.5	8.8	10.9
8.0	8.1	7.0	24.7	11.0	11.3	12.2	16.6
8.3	5.5	5.9	17.3	7.6	9.8	11.4	12.9
5.6	5.3	5.5	14.1	8.4	7.4	9.2	11.3
4.3	3.9	4.1	10.2	5.3	5.5	7.1	9.8
3.0	3.1	3.9	9.9	4.5	4.8	6.5	5.2
5.4	6.2	6.5	15.3	7.7	8.5	10.6	10.8
11.7	9.6	11.9	17.9	16.0	10.7	16.8	11.4
4.5	4.6	5.4	10.0	5.9	6.0	9.1	6.9
6.7	6.8	6.7	21.7	12.0	8.1	11.2	16.5
7.1	6.2	6.7	14.1	9.6	8.6	11.6	10.1
6.0	9.9	6.3	25.2	10.8	8.5	10.9	12.5
4.6	4.8	5.6	16.8	7.7	8.8	9.2	8.6
5.0	8.7	7.1	9.8	6.7	15.3	6.5	10.7
2.6	2.7	3.6	7.5	4.1	3.4	5.9	5.8
6.1	6.8	7.0	13.5	10.4	10.7	12.3	12.8
4.0	4.7	4.8	9.7	6.2	5.1	7.9	7.7
11.3	6.2	9.6	14.7	8.7	7.4	14.9	12.5
4.7	6.2	5.9	12.4	6.5	8.0	10.2	7.7
3.3	6.0	4.1	9.0	5.8	5.0	7.2	8.2
5.6	4.8	4.9	11.4	6.5	6.7	9.7	8.6
7.5	5.9	5.8	14.3	8.5	8.9	10.4	12.9
4.8	4.9	5.8	10.1	7.2	6.5	9.1	8.3
6.0	5.0	5.0	21.1	8.4	6.8	9.5	11.0
5.4	3.4	4.2	15.0	6.1	5.0	7.0	8.8
4.7	5.7	4.7	10.5	7.5	6.5	8.8	8.9
4.3	4.2	4.8	10.7	6.5	5.0	9.0	9.7

Table II. Relative standard errors in percent of the estimated number of discharges, by age, sex, color, geographic region, and category of first-listed diagnosis: Hospital Discharge Survey, 1968—Con.

Diagnostic category and ICDA codes	All discharges	Age			
		Under 15 years	15-44 years	45-64 years	65 years and over
Standard error as a percent of the estimated number of discharges					
X. Diseases of the genitourinary system . . . . . 590-637	2.4	6.0	3.3	3.0	3.6
Infections of kidney . . . . . 600	5.1	11.9	6.7	8.4	7.9
Calculi of kidney and ureter . . . . . 602	4.4	33.3	5.8	5.7	8.4
Other diseases of kidney and ureter . . . . . 590-594,601,603	14.3	9.6	26.9	9.1	11.2
Cystitis . . . . . 605	4.9	10.4	8.8	7.4	8.7
All other diseases of urinary system . . . . . 604,606-609	4.2	8.0	6.7	6.5	6.8
Hyperplasia of prostate . . . . . 610	4.5	...	32.0	6.7	5.0
Other diseases of male genital organs . . . . . 611-617	5.4	14.4	6.3	6.9	9.0
Diseases of breast (includes male breast) . . . . . 620-621	5.1	22.4	6.1	6.4	16.7
Cervicitis . . . . . 630.0	6.4	...	7.3	8.8	24.6
Uterovaginal prolapse . . . . . 631	5.1	...	7.9	6.4	8.2
Disorders of menstruation . . . . . 634	4.3	18.3	4.5	6.6	13.5
Other diseases of female genital organs . . . . . Residual	3.8	15.4	4.2	6.0	11.2
XI. Deliveries and complications of pregnancy, childbirth, and puerperium . . . . . 640-689,Y06-Y07	3.4	11.5	3.4	14.8	...
Abortion . . . . . 650	3.7	32.9	3.8	29.0	...
Delivery without mention of complication . . . . . 660	3.7	15.4	3.7	18.6	...
Delivery with complications of childbirth . . . . . 670-678	4.7	21.2	4.7	39.5	...
All other complications of pregnancy and childbirth . . . . . Residual	4.2	24.3	4.2	...	...
XII. Diseases of the skin and cellular tissue . . . . . 690-716	4.9	7.7	6.6	6.0	6.0
Infections of skin and subcutaneous tissue . . . . . 690-698	4.4	9.3	6.1	7.9	9.7
All other diseases of skin and cellular tissue . . . . . Residual	7.7	10.8	10.2	8.1	7.5
XIII. Diseases of the bones and organs of movement . . . . . 720-749	3.2	8.4	4.2	3.8	4.3
Osteoarthritis (arthrosis) and allied conditions . . . . . 723	4.9	...	12.7	6.8	6.5
Other and unspecified forms of arthritis and rheumatism except rheumatic fever . . . . . 720-722,724-727	4.5	15.8	6.9	6.1	8.1
Displacement of intervertebral disc . . . . . 735	5.6	...	6.6	6.2	11.9
Synovitis, bursitis, and tenosynovitis . . . . . 741	4.7	11.1	6.1	7.0	12.4
All other diseases of bones and organs of movement . . . . . Residual	4.4	9.8	5.7	5.9	6.4
XIV. Congenital malformations . . . . . 750-759	5.3	6.9	7.2	10.8	14.1
XV. Certain diseases of early infancy . . . . . 760-776	8.9	8.9	...	...	...
XVI and Supplement. Symptoms, senility, ill-defined conditions, and special admissions . . . . . 780-795,Y00-Y18 NEC	2.8	6.5	3.7	3.7	4.2
Symptoms referable to respiratory system . . . . . 783	5.1	17.6	8.5	7.4	8.3
Symptoms referable to abdomen and gastrointestinal system . . . . . 784-785	5.2	9.0	6.9	7.2	8.5
All other symptoms . . . . . 780-782,786-789	2.9	6.0	4.2	4.4	5.3
Observation, examinations and aftercare . . . . . 793,Y00-Y18 NEC	9.0	19.9	10.5	11.6	14.2
Senility, ill-defined conditions, undiagnosed diseases, and diagnosis not codable . . . . . 790-792,794-795	4.7	12.7	6.4	7.1	7.9

Table II. Relative standard errors in percent of the estimated number of discharges, by age, sex, color, geographic region, and category of first-listed diagnosis: Hospital Discharge Survey, 1968—Con.

Sex		Color		Geographic region			
Male	Female	White	All other	Northeast	North Central	South	West
Standard error as a percent of the estimated number of discharges							
3.6	2.6	3.5	8.7	4.6	4.2	4.4	7.5
8.5	5.5	6.4	14.3	11.2	7.7	9.7	11.3
4.8	6.1	5.2	17.0	8.8	7.6	8.0	10.3
23.3	6.4	17.0	32.3	23.7	30.2	9.7	13.6
7.4	5.7	5.6	13.0	8.5	7.1	10.1	15.2
5.0	5.1	5.1	11.6	9.1	6.9	7.3	13.6
4.5	...	5.5	12.5	7.9	7.9	8.5	13.7
5.4	...	6.5	16.2	7.0	12.8	8.0	10.3
12.0	5.3	5.9	16.1	7.7	8.8	11.4	14.1
...	6.4	7.4	22.3	11.7	12.1	11.7	14.5
...	5.1	5.7	20.3	8.5	8.1	11.0	14.2
...	4.3	5.0	11.8	8.7	6.7	8.6	11.8
...	3.8	4.7	9.6	6.1	7.1	6.7	10.9
...	3.4	4.5	8.5	5.9	7.0	6.3	7.7
...	3.7	5.0	8.3	6.6	7.6	7.1	9.1
...	3.7	4.9	9.1	6.2	7.7	6.7	9.0
...	4.7	5.8	9.5	9.5	8.8	9.5	9.7
...	4.2	5.3	9.8	9.6	7.1	7.4	9.6
4.7	6.1	5.5	11.6	5.3	13.0	6.6	7.8
5.1	6.2	5.3	12.5	8.4	6.8	8.8	12.0
7.5	8.7	8.1	17.3	16.8	20.0	17.1	19.9
3.6	3.4	4.2	10.4	6.1	5.3	5.7	10.1
6.6	6.0	5.6	22.1	10.1	7.0	10.6	12.4
6.2	5.1	5.4	16.5	8.6	7.2	8.4	13.9
6.0	6.6	6.6	18.7	8.7	9.6	10.1	14.9
6.4	5.8	5.6	14.4	9.4	8.1	8.3	14.4
4.9	5.1	5.3	12.3	9.2	7.5	8.6	10.7
6.1	6.2	6.1	13.4	6.8	10.2	11.6	12.9
11.0	10.3	11.4	15.5	15.2	16.8	15.7	17.7
3.2	3.2	3.6	8.3	4.6	4.5	5.8	6.0
6.1	7.0	6.0	14.4	9.2	8.3	9.9	12.4
6.5	5.5	5.9	13.9	9.8	7.2	10.5	8.7
3.5	3.6	3.8	8.4	5.2	4.5	6.1	7.7
9.9	13.3	10.3	20.8	17.1	19.7	12.5	13.9
6.9	5.1	5.8	11.0	8.3	9.0	8.4	10.9

Table II. Relative standard errors in percent of the estimated number of discharges, by age, sex, color, geographic region, and category of first-listed diagnosis: Hospital Discharge Survey, 1968—Con.

Diagnostic category and ICDA codes	All discharges	Age			
		Under 15 years	15-44 years	45-64 years	65 years and over
Standard error as a percent of the estimated number of discharges					
XVII. Injuries and adverse effects of chemical and other external causes . . . . . 800-999,Y10.0	2.3	3.7	2.9	2.8	3.3
Fracture of skull and face bones . . . . . 800-803	5.0	8.7	6.1	9.8	13.7
Fracture of upper limb(s) . . . . . 812-817	4.0	6.4	5.8	6.1	6.3
Fracture of neck of femur . . . . . 820	4.6	23.1	15.3	9.2	5.4
Other fracture of lower limb(s) . . . . . 821-826	3.9	6.8	5.9	5.1	6.7
Fracture of other and multiple sites . . . . . 805-811	4.1	11.3	6.6	6.3	6.5
Dislocation without fracture . . . . . 830-839	5.6	13.8	6.5	9.2	16.8
Sprains and strains of back (including neck) . . . . . 846-847	5.0	19.0	5.8	6.2	13.0
Head injury (excluding skull fracture) . . . . . 850-856	3.6	5.1	4.6	6.5	8.9
Laceration and open wound of eye, ear, and face . . . . . 870-873	5.8	9.4	7.6	12.1	17.2
Laceration and open wound of other and multiple sites . . . . . 874-898	3.9	7.6	4.4	6.8	12.9
Burns . . . . . 940-949	5.6	10.1	7.8	11.7	15.6
All other injuries . . . . . Residual 800-959,Y10.0	3.3	6.0	4.2	4.9	6.3
Adverse effects of chemical and other external causes . . . . . 960-999	3.3	7.0	4.4	5.6	7.3

Table II. Relative standard errors in percent of the estimated number of discharges, by age, sex, color, geographic region, and category of first-listed diagnosis: Hospital Discharge Survey, 1968—Con.

Sex		Color		Geographic region			
Male	Female	White	All other	Northeast	North Central	South	West
Standard error as a percent of the estimated number of discharges							
2.6	2.5	3.3	6.8	4.9	3.8	4.6	5.9
5.8	7.7	6.1	12.4	10.2	9.4	9.7	11.0
4.9	4.9	4.9	12.0	9.6	6.5	8.1	7.3
8.0	5.0	5.3	19.1	8.8	7.4	9.7	12.8
4.4	4.6	5.0	9.3	7.6	6.2	6.2	12.5
4.9	5.3	4.8	12.2	9.3	7.0	7.2	10.2
6.1	8.5	6.9	13.9	12.1	9.4	10.3	14.7
5.9	5.8	5.7	17.6	10.0	8.3	9.5	11.4
4.0	5.0	4.5	9.8	6.9	6.3	7.3	8.8
6.7	7.9	6.9	12.5	11.7	10.1	10.6	13.6
4.5	5.6	4.8	8.2	7.5	6.9	7.0	10.5
6.1	9.2	6.5	13.6	9.3	8.4	11.3	14.4
3.8	4.0	4.3	8.9	6.0	5.3	6.8	7.7
4.2	4.1	4.1	9.8	6.8	5.6	7.3	6.6

hospital records of sample hospitals (the face sheet of patient's medical record) for less than one-fourth of 1 percent of the discharges. Color, on the other hand, was not stated for 12.6 percent of all discharges. For this reason, rates by color were not computed and comparisons were not made with previous years by color of patients. In the detailed tables presenting frequencies, rates, and average lengths of stay, the totals include the "not stated" cases.

*Rounding of numbers.*—Estimates of the number of discharges have been rounded to the nearest thousand for tabular presentation. For this reason, detailed figures within the tables do not always add to totals. Rates, percents, and average lengths of stay presented in the report were calculated on the basis of unrounded figures and will not necessarily agree with rates and other calculations that may be calculated from the rounded data.

*Population estimates.*—The population estimates used in computing rates for 1968 HDS data are unpublished estimates for the U.S. civilian, noninstitutional population as of July 1, 1968, provided by the U.S. Bureau of the Census. These estimates are consistent with the population estimates published by the Bureau of the Census in Current Population Reports, Series P-25. However, they are not official population estimates of the Bureau of the Census.

The population data used to compute rates in this report are shown in the following table.

Population group	Both sexes	Male	Female
	Population in thousands		
Total .....	195,324	93,999	101,325
<u>Age</u>			
Under 15 years .....	59,473	30,270	29,204
15-44 years .....	77,261	36,622	40,639
45-64 years .....	40,237	19,201	21,036
65 years and over .....	18,353	7,907	10,446
<u>Geographic region</u>			
Northeast .....	47,546	...	...
North Central .....	54,739	...	...
South .....	60,632	...	...
West .....	32,406	...	...

## Reliability of Estimates

*Estimation.*—Statistics produced by the HDS are derived by a complex estimating procedure. The basic unit of estimation is the sample inpatient discharge abstract. The estimating procedure used to produce essentially unbiased national estimates in the HDS has three principal components: (1) inflation by reciprocals of the probabilities of sample selection, (2) adjustment for nonresponse, and (3) ratio adjustments to fixed totals. These components of estimation are described in appendix I of two earlier publications.<sup>3,4</sup>

*Measurement errors.*—As in any survey, the results are subject to nonsampling or measurement errors, which include errors due to hospital nonresponse, missing abstracts, information incompletely or inaccurately recorded on abstract forms, and processing errors. Some of these errors were discussed in earlier sections.

*Sampling errors.*—The standard error is primarily a measure of variability that occurs by chance because a sample rather than the entire universe is surveyed. In this report, the standard error also reflects part of the measurement error, but it does not measure any systematic biases in the data. The relative standard error of the estimate is obtained by dividing the standard error of the estimate by the estimate itself and is expressed as a percentage of the estimate. The relative standard errors that have been prepared for this report are specific for the corresponding estimates of discharges by category of first-listed diagnosis shown on the complete tabular list according to age, sex, color, and geographic region (table II). For example, the estimated number of males discharges with a first-listed diagnosis of acute coronary occlusion was 246,000 (table 1). The relative standard error for this statistic is 4.0 percent (table II). The chances are 68 out of 100 that the value that would be obtained in a complete enumeration is contained in the interval  $246,000 \pm 4.0$  percent, i.e., between 236,000 and 256,000 discharges; 95 out of 100 for the interval  $246,000 \pm 4.0$  percent multiplied by 2; and 99 out of 100 for the interval  $246,000 \pm 4.0$  percent multiplied by 2.5.

Relative standard errors are not available for estimates of discharges by category of single and first of multiple diagnoses, average length of stay, or estimates of all-listed diagnoses.

## APPENDIX II

### DEFINITIONS OF CERTAIN TERMS USED IN THIS REPORT

#### Terms Relating to Hospitalization

*Short-stay hospitals.*—General and short-term hospitals having six beds or more for inpatient use and an average (mean) length of stay of less than 30 days. Federal hospitals and hospital units of institutions are not included. The terms “hospitals” and “short-stay hospitals” are used synonymously.

*Inpatient.*—A person who is formally admitted to the inpatient service of a short-stay hospital for observation, care, diagnosis, or treatment. In this report, the number of inpatients refers to the number of discharges during 1968, including multiple discharges (if any) of the same individual from one short-stay hospital or more. Newborn infants admitted by birth to the hospital from which they are discharged are excluded in this report. The terms “inpatient” and “patient” are used synonymously.

*Discharge.*—The formal release of an inpatient by a hospital, that is, the termination of a period of hospitalization by death or by disposition to place of residence, nursing home, or another hospital. In this report, the number of discharges from short-stay hospitals (alive or dead) is exclusive of newborn infants. The number of discharges by death is limited to hospital deaths that occurred following formal admission of the patient to the inpatient service of the short-stay hospital. The terms “discharges” and “patients (or inpatients) discharged” are used synonymously.

*Discharge rate.*—The ratio of the number of hospital discharges (inpatients) during 1968 to

the number of persons in the civilian noninstitutional population as of July 1, 1968.

*Episode (hospital).*—A continuous period of inpatient stay in one hospital from date of admission to (but not including) date of discharge. In this survey, the number of hospital episodes (inpatients) in short-stay hospitals is equivalent to the number of discharges.

*Average length of stay.*—The total number of inpatient days accumulated at time of discharge by patients discharged during 1968 divided by the number of patients discharged. A stay of less than 1 day (admission and discharge on the same calendar day) is counted as 1 day in the summation of total inpatient days. The terms “average length of stay,” “average duration,” and “duration of stay” are used synonymously.

#### Demographic Terms

*Age.*—Refers to age at last birthday prior to admission to the hospital inpatient service.

*Color.*—In this report, patients are classified into two groups, “white” and “all other,” based on information available on the hospital records (face sheet of the inpatient’s medical record) of sample hospitals. “White” includes Mexican and Puerto Rican unless patient is specifically identified with “all other.”

*United States.*—The 50 States and the District of Columbia.

*Geographic region.*—In this report hospitals are classified by location according to the four geographic regions of the United States which correspond to those of the U.S. Bureau of the

Census. The States included in each region are as follows:

<i>Region</i>	<i>States included</i>
Northeast .....	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania
North Central .....	Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas
South .....	Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, Texas
West .....	Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, Hawaii

#### Terms Relating to Diagnoses

*Discharge diagnosis(es).*—One or more diseases or injuries (or special conditions, examinations

without sickness, etc.) that the attending physician assigns to the medical record of discharged patients. In this survey, all discharge (or final) diagnoses listed on the face sheet (summary sheet) of the medical record for patients discharged from the inpatient service of short-stay hospitals are transcribed in the order listed. A maximum of five ICDA 3-digit or 4-digit codes are assigned per sample discharge.

*All-listed diagnoses.*—In terms of the classification system used and the processing of not more than five codes per sample discharge, the estimated number of discharge (or final) diagnoses for inpatients discharged from non-Federal short-stay hospitals during 1968. The aggregate of individually coded diagnoses listed in positions 1-5 (see “first-listed diagnoses” and “additional diagnoses”).

*First-listed diagnoses.*—The aggregate of individually coded diagnoses listed first, including single (only) and first of multiple discharge diagnoses. The number of first-listed diagnoses is equivalent to the number of discharges.

*Additional diagnoses.*—The aggregate of individually coded diagnoses listed in positions 2-5.

*Nonobstetric discharges.*—The number of inpatients discharged, excluding patients whose first or only discharge diagnosis was a delivery or complication of pregnancy or the puerperium (ICDA class XI).

*Obstetrical conditions.*—Any condition in ICDA class XI.

*Fatality rate.*—The ratio of the number of patients discharged dead to the total number of patients discharged (alive or dead). Fatality rates for a specific disease or disease group are based on the classification of discharges by the first or only diagnosis.



## VITAL AND HEALTH STATISTICS PUBLICATION SERIES

Originally Public Health Service Publication No. 1000

- Series 1. Programs and collection procedures.*—Reports which describe the general programs of the National Center for Health Statistics and its offices and divisions, data collection methods used, definitions, and other material necessary for understanding the data.
- Series 2. Data evaluation and methods research.*—Studies of new statistical methodology including: experimental tests of new survey methods, studies of vital statistics collection methods, new analytical techniques, objective evaluations of reliability of collected data, contributions to statistical theory.
- Series 3. Analytical studies.*—Reports presenting analytical or interpretive studies based on vital and health statistics, carrying the analysis further than the expository types of reports in the other series.
- Series 4. Documents and committee reports.*—Final reports of major committees concerned with vital and health statistics, and documents such as recommended model vital registration laws and revised birth and death certificates.
- Series 10. Data from the Health Interview Survey.*—Statistics on illness, accidental injuries, disability, use of hospital, medical, dental, and other services, and other health-related topics, based on data collected in a continuing national household interview survey.
- Series 11. Data from the Health Examination Survey.*—Data from direct examination, testing, and measurement of national samples of the civilian, noninstitutional population provide the basis for two types of reports: (1) estimates of the medically defined prevalence of specific diseases in the United States and the distributions of the population with respect to physical, physiological, and psychological characteristics; and (2) analysis of relationships among the various measurements without reference to an explicit finite universe of persons.
- Series 12. Data from the Institutional Population Surveys* —Statistics relating to the health characteristics of persons in institutions, and their medical, nursing, and personal care received, based on national samples of establishments providing these services and samples of the residents or patients.
- Series 13. Data from the Hospital Discharge Survey.*—Statistics relating to discharged patients in short-stay hospitals, based on a sample of patient records in a national sample of hospitals.
- Series 14. Data on health resources: manpower and facilities.*—Statistics on the numbers, geographic distribution, and characteristics of health resources including physicians, dentists, nurses, other health occupations, hospitals, nursing homes, and outpatient facilities.
- Series 20. Data on mortality.*—Various statistics on mortality other than as included in regular annual or monthly reports—special analyses by cause of death, age, and other demographic variables, also geographic and time series analyses.
- Series 21. Data on natality, marriage, and divorce.*—Various statistics on natality, marriage, and divorce other than as included in regular annual or monthly reports—special analyses by demographic variables, also geographic and time series analyses, studies of fertility.
- Series 22. Data from the National Natality and Mortality Surveys.*—Statistics on characteristics of births and deaths not available from the vital records, based on sample surveys stemming from these records, including such topics as mortality by socioeconomic class, hospital experience in the last year of life, medical care during pregnancy, health insurance coverage, etc.

For a list of titles of reports published in these series, write to:

Office of Information  
National Center for Health Statistics  
Public Health Service, HSMHA  
Rockville, Md. 20852

**DHEW Publication No. (HSM) 73- 1 7 6 3**

**Series 13-No. 12**

U.S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE

Public Health Service

HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
5600 Fishers Lane  
Rockville, Md. 20852

OFFICIAL BUSINESS  
Penalty for Private Use, \$300

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF H.E.W.

HEW 396

THIRD CLASS  
BLK. RATE

