

VITAL & HEALTH STATISTICS

Inpatient Utilization of Short-Stay Hospitals by Diagnosis

United States, 1984

Statistics are presented on the utilization of non-Federal short-stay hospitals based on data abstracted in the National 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 the classes and categories of first-listed diagnoses, by demographic characteristics of inpatients discharged and by geographic region. All-listed diagnoses (up to seven diagnoses per discharged patient) and diagnostic rates are also shown for the same classes and categories shown for first-listed diagnoses.

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Cooperation of the U.S. 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 U.S. Bureau of the Census, under a contractual arrangement, participated in planning the survey and collecting the data.

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Symbols

---	Data not available
...	Category not applicable
-	Quantity zero
0.0	Quantity more than zero but less than 0.05
Z	Quantity more than zero but less than 500 where numbers are rounded to thousands
*	Figure does not meet standard of reliability or precision
#	Figure suppressed to comply with confidentiality requirements

Inpatient Utilization of Short-Stay Hospitals by Diagnosis

by Edmund J. Graves, Division of Health Care Statistics

Introduction

Estimates on diagnostic conditions for patients discharged from non-Federal short-stay hospitals during 1984 are presented in this report. Also included are trend data for average length of stay for selected years and discharge data for selected diagnostic categories for the years 1970–84.

The statistics in this report are based on data collected by the National Center for Health Statistics by means of the National Hospital Discharge Survey (NHDS), which is a continuous voluntary survey in use since 1965. The data for the survey are gathered from the face sheets of a sample of inpatient medical records obtained from a national sample of short-stay general and specialty hospitals located in the United States. Approximately 192,000 medical records from 407 hospitals were included in the 1984 survey. A brief description of the sample design and the sources of data can be found in appendix I. A detailed report on the design of the NHDS was published in 1970.¹

The diagnostic data are coded according to the *International Classification of Diseases, 9th Revision, Clinical Modification*.²

Summary data have been published on the NHDS each year since 1965. Beginning with 1974, each summary report includes limited diagnostic data. Detailed diagnostic reports for 1965, 1968, 1971–75, and 1978–80 have been published.^{3–12}

Statistics on the first-listed and all-listed diagnoses recorded on the medical records for patients discharged during 1984 are presented by age and sex of patient and by geographic region of the hospital. For first-listed diagnoses the measurements of hospital utilization employed are frequency, discharge rate, and average length of stay. For all-listed diagnoses the measure-

ments are frequency and rate. The terms “first-listed” and “discharge” diagnosis are used interchangeably.

The first-listed diagnosis is the diagnosis for which a patient was admitted to the hospital. The all-listed diagnoses are the frequency of a disease among the hospitalized patients and may give an indication of factors complicating hospital episodes.

Trend data for selected discharge diagnoses for the years 1970–84 are provided in this report. Diagnoses were selected based on the 1970 and 1979 revisions of the *International Classification of Diseases* used in coding diagnoses. These two revisions are the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*,¹³ and the *International Classification of Diseases, 9th Revision, Clinical Modification*.²

The National Center for Health Statistics also collects information on hospitalization by means of the National Health Interview Survey (NHIS). The estimates obtained from NHIS are generally lower for the number of discharges and greater for average length of stay than the estimates from NHDS because of differences in collection procedures, population sampled, and definitions. For example, NHIS does not include patients who are discharged dead or who do not stay in a hospital overnight. Data from NHIS are published in Series 10 of *Vital and Health Statistics*.

Definitions of the terms used in this report relating to hospitalization and patient characteristics are given in appendix II. Because several of these terms have specialized meanings in the NHDS, familiarity with these definitions will be useful in interpreting the data. For example, it should be noted that the terms “discharges” and “patients” are used interchangeably.

Highlights for 1984

- An estimated 37.2 million patients, excluding newborn infant discharges, were discharged from non-Federal short-stay hospitals during 1984.
- The average length of stay for all patients was 6.6 days; this was approximately 10 percent lower than the 7.3 days recorded in 1980.
- Deliveries accounted for over one-third of the discharges for females 15–44 years of age.
- Diseases of the circulatory system, supplementary classification of factors influencing health status (including females with deliveries), diseases of the digestive system, injury and poisoning, diseases of the respiratory system, and diseases of the genitourinary system accounted for 65 percent of all first-listed diagnoses.
- An estimated 104.3 million diagnoses were recorded for the 37.2 million patients. The average number of diagnoses for each hospitalized patient was 2.8.
- Diseases of the respiratory system were the first-listed diagnoses for 27 percent of the patients discharged under 15 years of age.
- Diseases of the circulatory system accounted for 22 percent of the discharges in the age group 45–64 years of age.
- The age group 65 years and over represented 12 percent of the population in 1984 yet accounted for 30 percent of the discharged patients.
- Heart disease, malignant neoplasms, and cerebrovascular disease, the three leading causes of death in the United States, account for almost one-fifth of all discharges from non-Federal short-stay hospitals.

Hospital utilization

An estimated 37.2 million patients, excluding newborn infants, were discharged from the Nation's non-Federal short-stay hospitals in 1984 (table 1). Of these patients, 14.9 million (40 percent) were male and 22.3 million (60 percent) were female (tables 2-3). Approximately 4.8 million (22 percent) of the female discharges were hospitalized for deliveries and other obstetrical conditions. The discharge rate for all discharges was 158.5 per 1,000 population. Discharge rates increased with increasing age. For patients under 15 years of age, the discharge rate per 1,000 population was 62.0 (males 69.2, females 54.5); for those 15-44 years, 132.2 (males 79.6, females 183.1); for those 45-64 years, 183.3 (males 185.8, females 180.9); and for those 65 years and over, 400.4 (males 424.8, females 383.9). The rate per 1,000 population for females (183.6) was 40 percent higher than for males (131.6). Excluding females with deliveries and obstetrical conditions, the rate of 143.9 per 1,000 population for females was only 9 percent higher than that for males.

The average length of stay for 1984 was 6.6 days per hospital episode for all discharges—7.0 days for males and 6.3 days for females (table A). The average length of stay increased with increasing age. Patients under 15 years of age stayed an average of 4.5 days; patients 15-44 years, 4.9 days; patients 45-64 years, 7.2 days; and patients 65 years and over, 8.9 days. The average length of stay was virtually the same for both sexes for three of the four major age groups for 1984: Under 15 years—4.4 days for males and 4.6 days for females; 45-64 years—7.1 days for males and 7.2 days for females; and 65 years and over—8.8 days for males and 9.0 days for females. For ages 15-44 years, the average hospital stay for female discharges (4.4 days) was 27 percent shorter than the stay for male discharges (6.0 days). When females with deliveries were excluded from the average length of stay for females, hospital stays increased to 5.0 days, still lower than the average length of stay for males.

The average length of stay decreased 15 percent from 1965 to 1984—7.8 days to 6.6 days, respectively (table A). Males showed a decrease of 17 percent (from 8.4 to 7.0 days); females showed a decrease of 15 percent (from 7.4 to 6.3 days). The decrease in average lengths of stay by age was 10 percent for patients under 15 years of age and 17 percent for patients 15-44 years of age. Patients 45-64 years showed a decrease of 27 percent. However, the largest decrease was 31 percent for patients 65 years and over.

Females 65 years and over showed the largest decrease in

Table A. Average length of stay of patients discharged from short-stay hospitals by sex and age: United States, 1965, 1970, 1975, 1980, and 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants]

<i>Sex and age</i>	1965	1970	1975	1980	1984
Both sexes					
	Average length of stay				
All ages.....	7.8	7.8	7.7	7.3	6.6
Under 15 years.....	5.0	4.7	4.6	4.4	4.5
15-44 years.....	5.9	5.7	5.7	5.2	4.9
45-64 years.....	9.8	9.3	9.0	8.2	7.2
65 years and over.....	12.9	12.6	11.6	10.7	8.9
Male					
All ages.....	8.4	8.4	8.2	7.7	7.0
Under 15 years.....	5.0	4.8	4.6	4.3	4.4
15-44 years.....	7.0	6.8	6.8	6.3	6.0
45-64 years.....	10.0	9.5	9.0	8.1	7.1
65 years and over.....	12.2	12.1	11.3	10.3	8.8
Female					
All ages.....	7.4	7.4	7.4	7.0	6.3
Under 15 years.....	4.9	4.6	4.5	4.5	4.6
15-44 years.....	5.5	5.2	5.2	4.8	4.4
45-64 years.....	9.7	9.2	8.9	8.3	7.2
65 years and over.....	13.4	13.0	11.8	11.0	9.0

average length of stay—33 percent (from 13.4 days in 1965 to 9.0 days in 1984). Other large decreases in average lengths of stay were for males 65 years and over, which dropped 28 percent (from 12.2 days in 1965 to 8.8 days in 1984); for females 45-64 years of age, which dropped 26 percent (from 9.7 days in 1965 to 7.2 days in 1984); and for males 45-64 years of age, which dropped 29 percent (from 10.0 days in 1965 to 7.1 days in 1984).

The number of discharges varied greatly by region, with 13.5 million in the South, 9.9 million in the North Central, 7.4 million in the Northeast, and 6.4 million in the West (table 4). The variations were primarily due to differences in the sizes of the civilian population in the four regions. However, the discharge rates per 1,000 population still varied by geographic region, from 138.7 in the West (table 4) to 168.8 in the South. Regional differences were also evident in the average length of stay. The average length of stay was 5.7 days in the West, 6.1 days in the South, 6.9 days in the North Central, and 7.8 days in the Northeast.

Hospital utilization by diagnosis

Estimates of the diagnoses of diseases, injuries, and other conditions for patients discharged from short-stay hospitals in 1984 are shown in this report by chapters of the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM).² Medical data from the National Hospital Discharge Survey (NHDS) abstracts were coded according to ICD-9-CM for the first time in 1979. Earlier data for 1970-78 were coded using the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States* (ICDA).¹³ Differences between these two revisions are discussed in appendix I in "Data collection and processing."

The codes in ICD-9-CM are divided into 17 chapters. Estimates of the diagnoses within ICD-9-CM chapters are grouped for this report into 187 diagnostic categories, 185 of which are shown in the detailed tables. The other two diagnostic categories are newborn infants and external causes of injury and poisoning, not addressed in this report. The diagnostic categories presented in this report were selected because they appear as principal or first-listed diagnoses with great frequency. Although many of these categories (such as viral diseases, anemias, and disorders of the peripheral nervous system) are combinations of more detailed diagnoses, they are presented as single categories without showing the specific diagnosis. A description of the grouping of the diagnostic data into chapters and categories is presented in appendix I in "Presentation of estimates."

Table B presents the number of discharges and discharge rate for patients discharged from non-Federal short-stay hospitals by six of the more important diagnostic categories for the period 1970-84. The total number of discharges increased by 28 percent while the overall discharge rate increased by 10 percent during this period. Discharges increased more rapidly than discharge rates because the civilian population increased by 16 percent during this period.

During this period malignant neoplasms, psychoses, and cerebrovascular disease showed an increase in the number of discharges and discharge rates greater than that for total discharges and discharge rates. In this table, for example, psychoses showed the greatest increase in the discharge rates for this period. The discharge rate per 1,000 civilian population for psychoses increased from 1.1 in 1970 to 2.7 in 1984—an increase of 145 percent. The discharge rate for malignant neoplasms increased from 5.7 per 1,000 civilian population in 1970 to 8.8 per 1,000 civilian population in 1984—an increase of 54 percent. The discharge rate per 1,000 population for cerebrovascular disease increased from 2.6 in 1970 to 3.8 in 1984—an

increase of 46 percent. Alcohol dependence syndrome showed some unusual characteristics. The discharge rate was 140 percent higher in 1978 than in 1970 and 41 percent higher than in 1984.

Of the 17 ICD-9-CM chapters and supplementary classification, 6 accounted for 65 percent of all first-listed diagnoses. The leading diagnostic chapter was diseases of the circulatory system, with 5.6 million discharges (table 1). Other leading chapters were the supplementary classification of factors influencing health status (including females with deliveries), with 4.3 million discharges; diseases of the digestive system, with 4.3 million discharges; injury and poisoning, with 3.5 million discharges; diseases of the respiratory system, with 3.4 million discharges; and diseases of the genitourinary system, with 3.1 million discharges.

Detailed tables 1-5 provide estimates on first-listed and all-listed diagnoses for the number of patients discharged, the rates of discharge per 10,000 civilian population, and the average length of stay. Days of care are not shown but can be estimated by multiplying the number of discharges by the corresponding length of stay for each variable. An estimated measure of the rate of days of care can be obtained by multiplying the discharge rate by the related average length of stay.

Diagnoses by age and sex

The number and rate of patients discharged from short-stay hospitals and their average length of stay are shown in table 1 for both sexes by ICD-9-CM chapters and first-listed diagnostic category by age, for male patients by age in table 2, and for female patients by age in table 3.

Data are presented in table C by selected first-listed ICD-9-CM diagnoses for both sexes. Females with deliveries accounted for the largest number of discharges—3.9 million, or an annual rate of 16.4 discharges per 1,000 persons in the civilian population. Heart diseases followed with 3.6 million discharges and a discharge rate of 15.4 per 1,000 population. Other leading causes of hospitalization were malignant neoplasms, with 2.1 million discharges and a discharge rate of 8.8 per 1,000 population, and fractures, all sites, with 1.1 million discharges and a discharge rate of 4.8 per 1,000 population. Some conditions (such as malignant neoplasms, heart disease, cerebrovascular disease, and diabetes mellitus) had discharge rates that increased with age. Others such as chronic disease of tonsils and adenoids had rates that decreased with age (table 5).

Table B. Number and discharge rate of patients discharged from short-stay hospitals by six selected first-listed diagnostic categories: United States, 1970-84

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants]

Year	Diagnostic category and ICD-9-CM code						Fractures, all sites 800-829
	Total	Malignant neoplasms 140-209	Diabetes mellitus 250	Psychoses 290-299	Alcohol dependence syndrome 303	Cerebrovascular disease 430-438	
Number in thousands							
1970	29,127	1,142	436	219	194	519	979
1971	29,459	1,196	430	239	200	530	1,066
1972	31,627	1,336	488	249	272	586	1,127
1973	32,125	1,388	501	288	281	602	1,150
1974	33,018	1,469	521	303	339	620	1,158
1975	34,043	1,556	533	346	424	608	1,155
1976	34,372	1,628	551	351	429	625	1,166
1977	35,902	1,728	574	412	468	639	1,234
1978	35,616	1,781	584	454	519	648	1,242
1979	36,747	1,745	601	511	439	747	1,180
1980	37,832	1,829	645	507	439	796	1,163
1981	38,544	1,949	655	569	446	806	1,138
1982	38,593	1,972	661	574	417	834	1,132
1983	38,783	2,065	675	576	388	860	1,090
1984	37,162	2,059	593	625	392	896	1,114
Rate per 1,000 population							
1970	144.3	5.7	2.2	1.1	1.0	2.6	4.8
1971	143.8	5.8	2.1	1.2	1.0	2.6	5.2
1972	152.4	6.4	2.4	1.2	1.3	2.8	5.4
1973	153.3	6.6	2.4	1.4	1.3	2.9	5.5
1974	156.0	6.9	2.5	1.4	1.6	2.9	5.5
1975	159.2	7.3	2.5	1.6	2.0	2.8	5.4
1976	159.2	7.5	2.6	1.6	2.0	2.9	5.4
1977	164.7	7.9	2.6	1.9	2.1	2.9	5.7
1978	161.5	8.1	2.6	2.1	2.4	2.9	5.6
1979	164.8	7.8	2.7	2.3	2.0	3.4	5.3
1980	167.7	8.1	2.9	2.2	1.9	3.5	5.2
1981	169.3	8.6	2.9	2.5	2.0	3.5	5.0
1982	167.9	8.6	2.9	2.5	1.8	3.6	4.9
1983	167.0	8.9	2.9	2.5	1.7	3.7	4.7
1984	158.5	8.8	2.5	2.7	1.7	3.8	4.8

Discharge rates for males were higher than those for females for conditions such as acute myocardial infarction, coronary atherosclerosis, and inguinal hernia. Females had higher discharge rates for diabetes mellitus, cholelithiasis, and benign neoplasms and neoplasms of uncertain behavior and unspecified nature.

A special section is included in this report dealing with trends in hospital utilization rates for specific diagnoses by detailed age of patient. Because of the low incidence of hospitalizations for patients under 20 years of age, discharges and discharge rates are not discussed for this age group.

Rates for malignant neoplasms, heart disease, cerebrovascular disease, and diabetes mellitus are provided in figure 1. These are four of the leading causes of hospitalization in the United States and, excluding diabetes mellitus, are the three leading causes of death in the United States. Diabetes mellitus is the seventh leading cause of death in the United States.¹⁴ Generally, these four diagnoses increased with increasing age. Hospitalization for heart disease showed the largest increase over age. The range in rates was from 18 per 10,000 civilian population for those 30-34 years of age to 1,129 per 10,000 civilian population for patients 80-84 years of age. Diabetes

mellitus showed the smallest range of rates, increasing from 14 per 10,000 civilian population for those 30-34 years of age to 115 per 10,000 civilian population for those 80-84 years of age. Malignant neoplasms increased from 22 per 10,000 population for those 30-34 years of age to 447 and 453 per 10,000 population for those 75-79 and 80-84 years of age. Cerebrovascular disease showed an increase in rates from 17 per 10,000 civilian population for those 45-49 years of age to 510 per 10,000 population for those 85 years and over.

The relationship between malignant neoplasms and benign neoplasms and neoplasms of uncertain behavior and unspecified nature is shown in figure 2. As shown in this figure, the discharge rates for malignant neoplasms and benign neoplasms were quite similar for the younger population. Rates for both groups of diseases were less than 10 per 10,000 population at age 20-24 years and increased to about 50 per 10,000 population at 40-44 years. It is at the age group 45-49 years that the two curves start to diverge. The rate for malignant neoplasms began a steep climb into old age, decreasing only for patients in the oldest age group (85 years and over). The rates were 76 per 10,000 population at age 45-49 years and increased to 447 and 454 per 10,000 population at 75-79 and 80-84 years and

Table C. Number, discharge rate, and average length of stay of patients discharged from short-stay hospitals, by selected first-listed diagnostic categories and sex: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code	Both sexes			Both sexes			Both sexes		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
	Number in thousands			Rate per 1,000 population			Average length of stay in days		
All categories ¹	37,162	14,899	22,263	158.5	131.6	183.6	6.6	7.0	6.3
Neoplasms:									
Malignant neoplasms, carcinoma-in-situ..... 140-208, 230-234	2,059	943	1,117	8.8	8.3	9.2	9.8	10.1	9.5
Malignant neoplasm of trachea, bronchus, and lung..... 162, 197.0, 197.3	340	214	126	1.5	1.9	1.0	9.5	9.4	9.8
Malignant neoplasm of breast.... 174-175, 198.81	234	*	231	1.0	*	1.9	8.3	*	8.3
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature..... 210-229, 235-239	517	118	400	2.2	1.0	3.3	5.7	5.6	5.8
Diabetes mellitus..... 250	593	238	354	2.5	2.1	2.9	8.2	7.8	8.5
Psychoses..... 290-299	625	283	341	2.7	2.5	2.8	14.5	14.0	14.9
Alcohol dependence syndrome..... 303	392	288	104	1.7	2.6	0.9	10.6	10.4	11.2
Cataract..... 366	481	165	316	2.1	1.5	2.6	2.4	2.2	2.5
Essential hypertension..... 401	266	110	155	1.1	0.9	1.3	5.6	5.4	5.8
Heart disease..... 391-392.0, 393-398, 402, 404, 410-416, 420-429	3,599	1,905	1,694	15.4	16.9	14.0	7.8	7.5	8.1
Acute myocardial infarction..... 410	700	435	266	3.0	3.8	2.2	10.0	9.5	10.8
Coronary atherosclerosis..... 414.0	365	225	140	1.6	2.0	1.2	7.2	7.2	7.3
Cardiac dysrhythmias..... 427	479	219	260	2.0	1.9	2.1	6.9	6.7	7.1
Congestive heart failure..... 428.0	531	228	303	2.3	2.0	2.5	8.6	8.2	8.9
Cerebrovascular disease..... 430-438	896	420	476	3.8	3.7	3.9	10.4	9.8	10.8
Diseases of the respiratory system:									
Acute respiratory infections, except influenza..... 460-466	449	207	243	1.9	1.8	2.0	4.6	4.3	4.8
Chronic disease of tonsils and adenoids..... 474	327	142	185	1.4	1.3	1.5	1.7	1.6	1.7
Pneumonia, all forms..... 480-486	837	424	413	3.6	3.7	3.4	7.8	7.3	8.2
Asthma..... 493	465	197	268	2.0	1.7	2.2	5.2	4.6	5.6
Diseases of the digestive system:									
Gastric, duodenal, and other and unspecified peptic ulcer..... 531-534	327	179	148	1.4	1.6	1.2	7.4	7.5	7.3
Inguinal hernia..... 550	440	390	50	1.9	3.4	0.4	3.8	3.7	3.9
Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis..... 555, 556, 558	540	213	327	2.3	1.9	2.7	4.9	4.7	5.0
Cholelithiasis..... 574	488	141	347	2.1	1.3	2.9	7.6	8.1	7.4
Disorders of menstruation and other abnormal vaginal bleeding..... 626									
Pregnancy with abortive outcome..... 630-639	418	...	418	1.8	...	3.5	2.3	...	2.3
Females with deliveries..... V27	3,853	...	3,853	16.4	...	31.8	3.4	...	3.4
Complications of deliveries..... 640-648, 651-676 with 5th digit 1 or 2									
Fractures, all sites..... 800-829	1,114	541	573	4.8	4.8	4.7	9.3	8.2	10.3

¹Includes data for diagnostic categories not shown in table.

decreased to 367 at 85 years and over. Benign neoplasms and neoplasms of uncertain behavior did not follow the same pattern as malignant neoplasms after the age of 45-49 years. At this age the rate was 53 per 10,000 population and was at the highest point. For each age group thereafter rates declined somewhat and became erratic. Another low point occurred at 60-64 years, with a rate of 26 per 10,000 population, and a secondary peak occurred at 80-84 years, with a rate of 46 per 10,000 population.

Figure 3 illustrates the relationship by age between males and females for malignant neoplasms. The discharge rates for malignant neoplasms for females were higher than the rates for males until 65-69 years. At 60-64 years the rate for males was 237 per 10,000 population, and the rate for females was 261 per 10,000 population. At 65-69 years the rate for males had

increased to 356 per 10,000 population while the rate for females remained about the same at 266 per 10,000 population. The rate for males rose sharply thereafter to a peak of 621 per 10,000 population at 80-84 years and 625 per 10,000 population at 85 years and over; the rate for female discharges rose less sharply to 376 per 10,000 population at 75-79 years and then dropped off to 263 per 10,000 population at 85 years and over.

Figure 4 illustrates the relationship by age between males and females for heart disease. The discharge rates for heart disease for males were higher at each specific age group (except 80-84 years) but tended to draw closer at the older age groups up to 80-84 years. At the age of 80-84 years they converged. Discharge rates for males tended to lead the discharge rates for females by approximately 5-10 years. For example, at the age

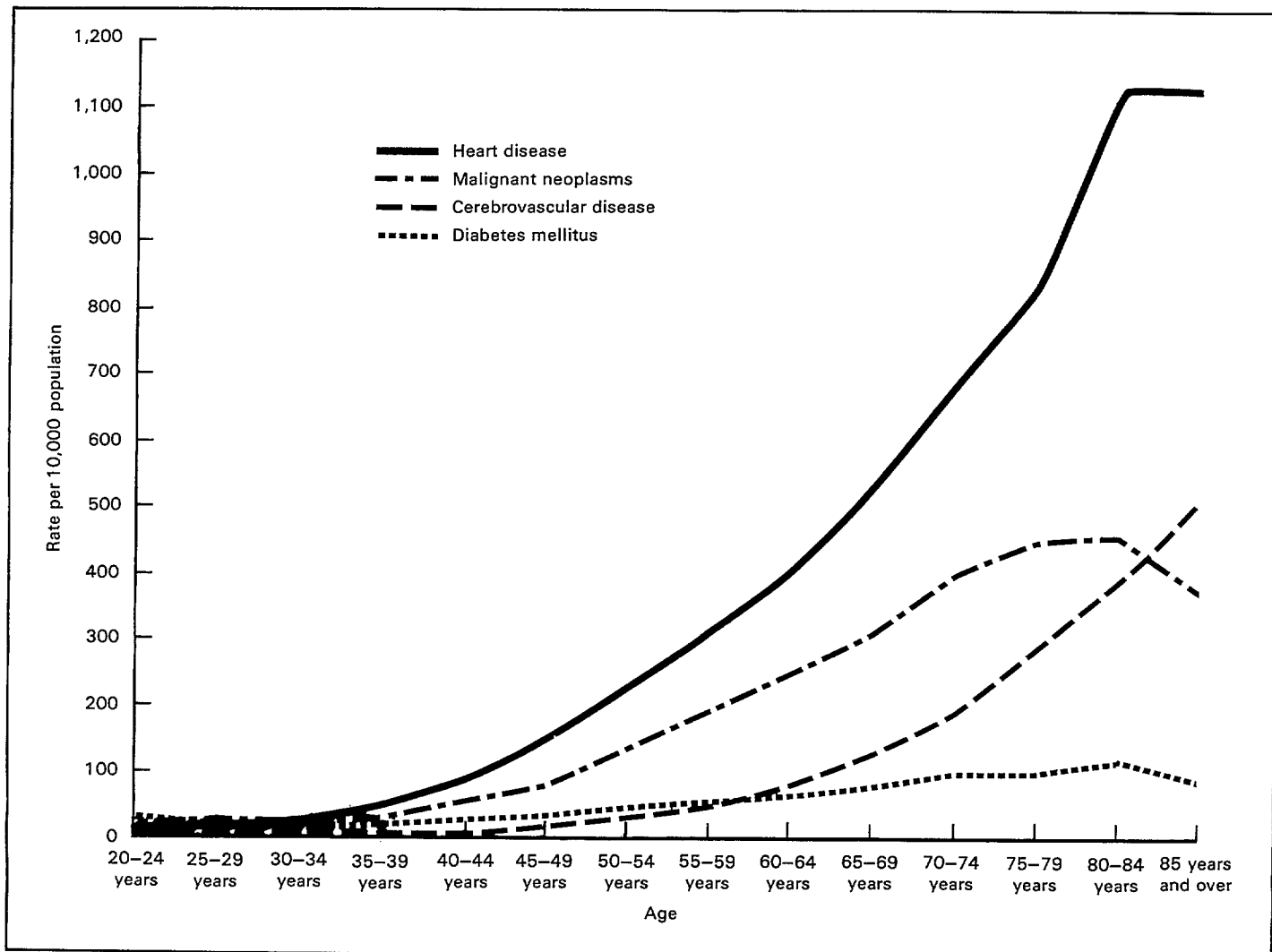


Figure 1. Discharge rates of patients discharged from non-Federal short-stay hospitals by selected first-listed diagnostic categories and age: United States, 1984

of 35-39 years males had a discharge rate of 58 per 10,000 population while at the age of 40-44 females had a discharge rate of 53 per 10,000 population. At the age of 70-74 years males had a discharge rate of 787 per 10,000 population while at the age of 75-79 females had a discharge rate of 777 per 10,000 population. At the point of convergence, which is 80-84 years, the rate for males was 1,128 per 10,000 population and the rate for females was 1,130 per 10,000 population.

Figure 5 illustrates the relationship between males and females for diabetes mellitus. The discharge rates for males and females were about the same through the age of 40-44 years. At this point the two curves begin to diverge. The two curves are farthest apart at age 65-69 years. Here the discharge rates per 10,000 population were 54 for males and 95 for females. The two curves then draw closer for each of the remaining age groups so that for those 85 years of age and over there was no significant difference.

Figure 6 illustrates the relationship between males and females for cerebrovascular disease. The hospital rates for males and females were quite similar through the age of 50-54 years. For this age group the hospital rate per 10,000 population was

34 for males and 27 for females. For each of the remaining age groups the hospital rates for males rose at a faster rate than the hospital rates for females. For those 85 years of age and over the hospital rates per 10,000 population for males had risen to 640 while for females it had risen only to 458.

Patients under 15 years of age

An estimated 3.2 million patients under 15 years of age, excluding newborn infants, were discharged from short-stay hospitals in 1984 (table 1). The average length of stay for these patients was 4.5 days—4.4 for males and 4.6 for females. The discharge rate per 1,000 population was 62.0 for both sexes—69.2 for males and 54.5 for females. Of the 17 chapters of the ICD-9-CM, diseases of the respiratory system was the first-listed diagnosis for 27 percent of these patients. Injury and poisoning accounted for 14 percent of the discharges, diseases of the digestive system for 13 percent, and diseases of the nervous system and sense organs for 8 percent. These four chapters represent 62 percent of the discharges for patients under 15 years of age.

As described earlier, the diagnoses are grouped into 185

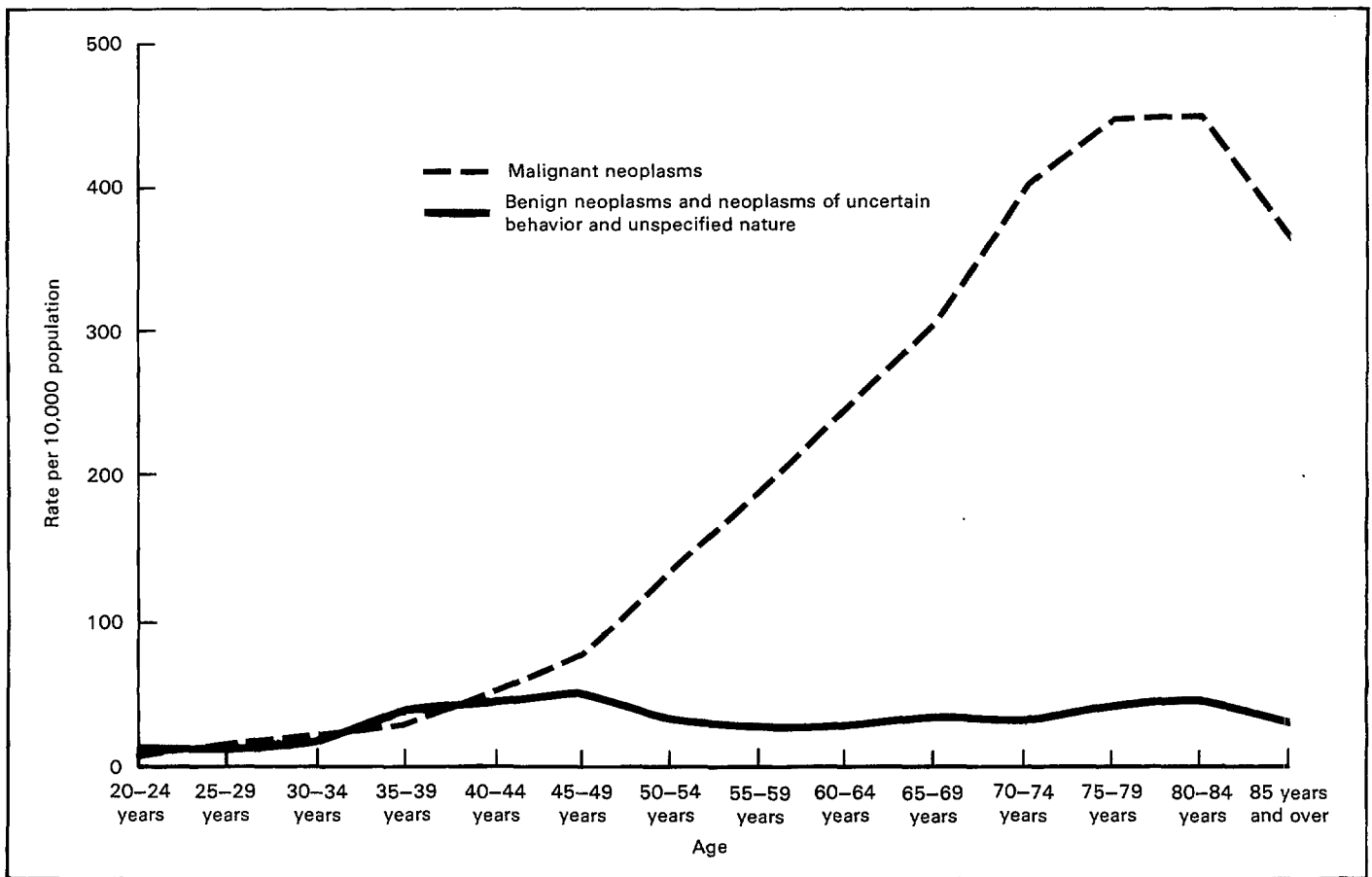


Figure 2. Discharge rates of patients discharged from non-Federal short-stay hospitals with first-listed diagnosis of neoplasm by age: United States, 1984

categories for presentation. Some of these selected leading diagnostic categories are presented in table D for patients under 15 years of age, excluding newborn infants. The three most common first-listed diagnostic categories were chronic diseases of tonsils and adenoids, with an estimated 218,000 discharges (4.2 discharges per 1,000 population); pneumonia, all forms, with an estimated 207,000 discharges (4.0 discharges per 1,000 population); and acute respiratory infections, except influenza, with an estimated 199,000 discharges (3.8 discharges per 1,000 population). Acute respiratory infections include acute nasopharyngitis (common cold), acute sinusitis, acute pharyngitis, acute laryngitis and tracheitis, acute bronchitis and bronchiolitis, and other upper respiratory infections. These three categories accounted for 19 percent of all discharges for patients under 15 years of age. Males had higher rates than females for most of the selected categories. For the remainder, the rates for males and females were the same.

The average length of stay for these selected conditions was shortest for chronic disease of tonsils and adenoids (1.6 days) and inguinal hernia (1.9 days) and longest for congenital anomalies (5.7 days). Although the average length of stay did not vary greatly by sex, there were significant differences in a few of the selected diagnostic categories in table D. Some of these were fractures, all sites, where the average length of stay was 5.3 days for males and 3.4 days for females, and pneu-

monia, all forms, where the average length of stay was 4.6 days for males and 5.2 days for females.

Patients 15-44 years of age

Of the 14.5 million patients 15-44 years of age discharged from short-stay hospitals during 1984, 4.3 million were male and 10.2 million were female. The discharge rate per 1,000 civilian population for these patients was 132.2 (79.6 for males and 183.1 for females) (table E). Although the number of discharges for females was about 138 percent higher than that for males and the discharge rate was about 130 percent higher than that for males, when deliveries and obstetrical conditions (that is, complications of pregnancy, childbirth, and the puerperium) are excluded, the number of discharges was only 26 percent higher and the rate was only 22 percent higher.

Supplementary classification of factors influencing health status (4.1 million discharges), with 28 percent of the discharges, ranked first among the ICD-9-CM chapters. The large size of this estimate is due to the inclusion of females with deliveries (table 1). Other chapters with large percents of discharges were injury and poisoning (11 percent) and diseases of the digestive system (9 percent).

Over one-third (38 percent) of all female discharges 15-44 years of age were hospitalized for deliveries. The discharge rate for these patients was 68.7 per 1,000 female population

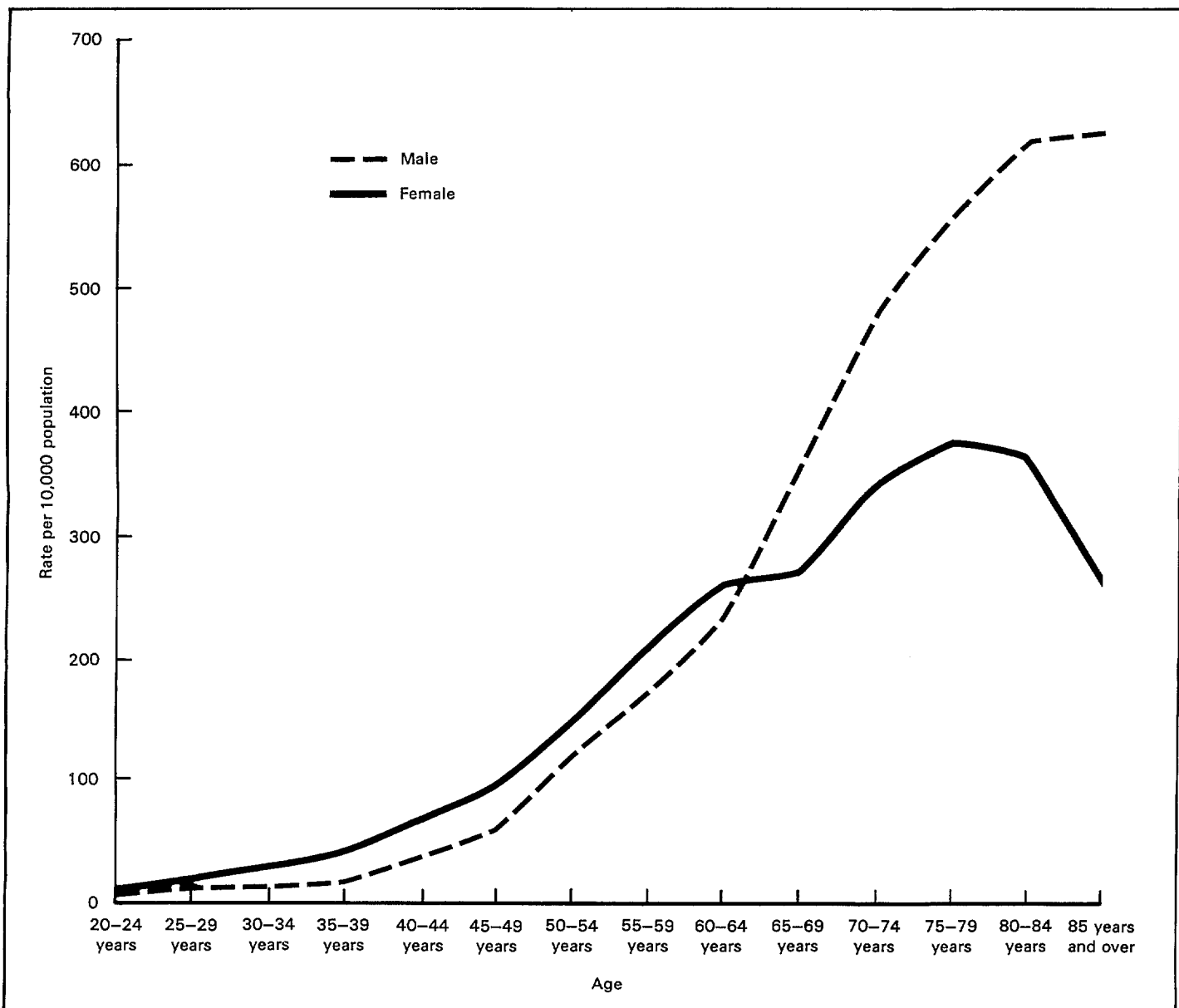


Figure 3. Discharge rates of patients discharged from non-Federal short-stay hospitals with first-listed diagnosis of malignant neoplasm by sex and age: United States, 1984

(table E). The next highest discharge rate for females was for pregnancy with abortive outcome (7.4 per 1,000 population). The number of discharges for patients with benign neoplasms and neoplasms of uncertain behavior and unspecified nature was almost eight times larger for females—204,000 for females and 26,000 for males; the discharge rate was seven times larger—3.6 per 1,000 for females and 0.5 per 1,000 for males. Discharges and discharge rates for females were also higher for malignant neoplasms and regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis.

The largest estimate for males was fractures, all sites, with 273,000 discharges (5.0 discharges per 1,000 population). Females with fractures, all sites, had 114,000 discharges and a rate of 2.0 per 1,000 population. Discharges and discharge rates for males were also higher for alcohol dependence syndrome, heart disease, intervertebral disc disorders, and laceration and open wound.

The average length of stay for patients 15–44 years of age was 4.9 days—6.0 days for males and 4.4 days for females. The average length of stay was less for females due to the large number of discharges for females with deliveries who stayed an average of 3.4 days. When stays for deliveries and obstetrical conditions are excluded, the average length of stay for females is increased to 5.5 days. Of the selected diagnoses in table E, psychoses and alcohol dependence syndrome have long average lengths of stay—over 9 days. Pregnancy with abortive outcome has the shortest average length of stay—under 3 days.

Patients 45–64 years of age

There were approximately 8.2 million patients 45–64 years of age discharged from non-Federal short-stay hospitals during 1984. The discharge rate for these patients was 183.3 per 1,000 population. Approximately 4.0 million of these discharges were male and 4.2 million were female. The corresponding rate per

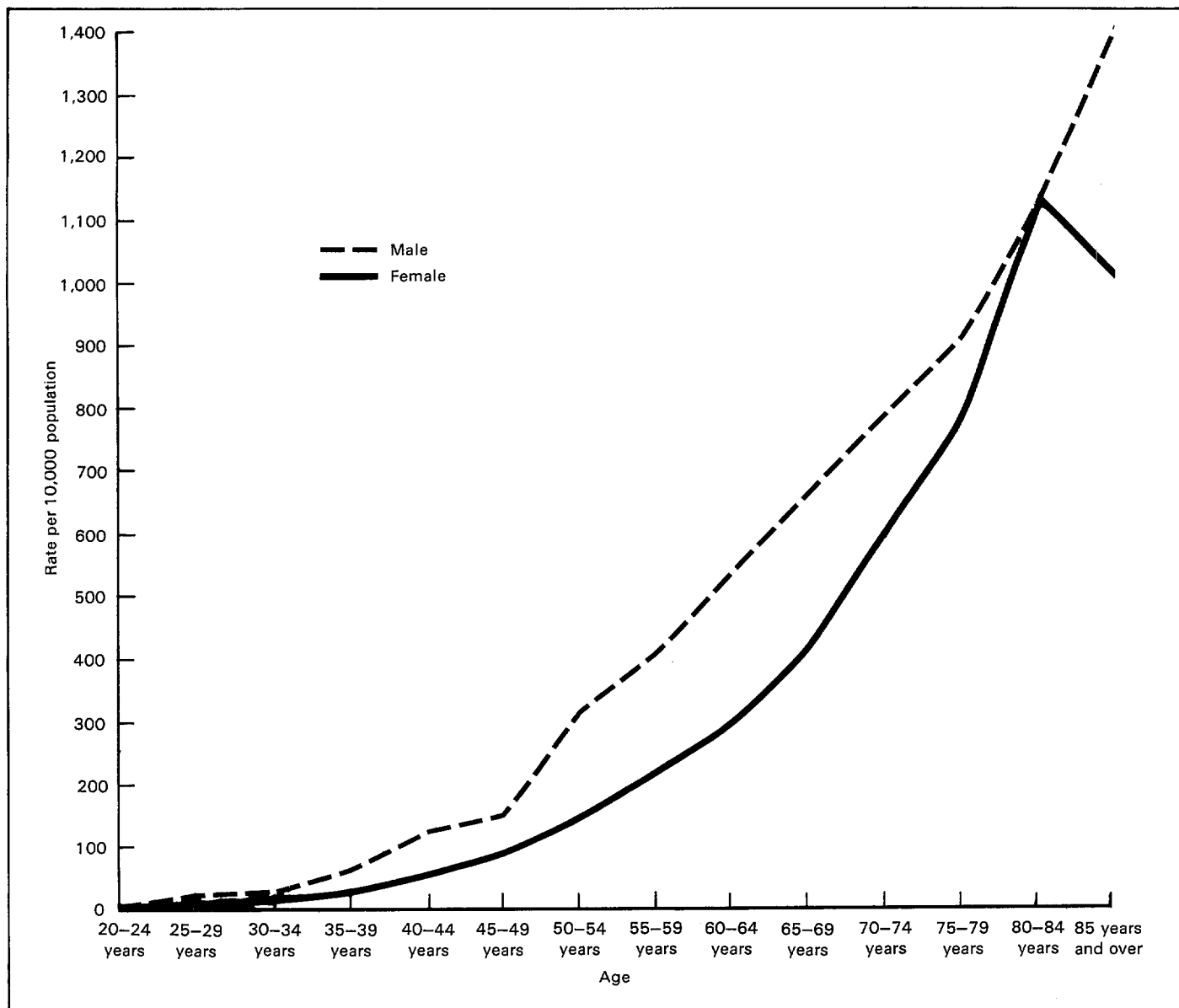


Figure 4. Discharge rates of patients discharged from non-Federal short-stay hospitals with first-listed diagnosis of heart disease by sex and age: United States, 1984

1,000 population was 185.8 for males and 180.9 for females. Sixty-three percent of the first-listed diagnoses for patients 45-64 years of age were contained in five diagnostic chapters. Diseases of the circulatory system accounted for 22 percent (1.8 million), diseases of the digestive system for 14 percent (1.2 million), diseases of the musculoskeletal system and connective tissue for 9 percent (0.8 million), diseases of the genitourinary system for 9 percent (0.8 million), and malignant neoplasms for 9 percent (0.7 million).

Of the specific conditions shown in table F, the largest discharge rates per 1,000 population were for heart disease, with a rate of 26.9 per 1,000 population, and malignant neoplasms, with a rate of 16.3 per 1,000 population.

The leading discharge diagnosis for male patients 45-64 years of age was heart disease, with 770,000 discharges and a discharge rate of 36.1 per 1,000 population. This was nearly 20 percent of all male discharges in this age group. The dis-

charge rate was also more than twice as large as the next highest rate, 14.4 per 1,000 population for malignant neoplasms. Other high discharge rates for males were inguinal hernia and cerebrovascular disease with discharge rates of 5.5 and 4.9 per 1,000 population, respectively. The two leading diagnoses for female patients 45-64 years of age were heart disease, with 433,000 discharges and a rate of 18.5 per 1,000 civilian population, and malignant neoplasms, with 419,000 discharges and a rate of 17.9 per 1,000 civilian population. Other discharges over 100,000 for females in this age group were for benign neoplasms and neoplasms of uncertain behavior and unspecified nature, with 124,000 discharges and a discharge rate of 5.3 per 1,000 population, and diabetes mellitus, with 119,000 discharges and a discharge rate of 5.1 per 1,000 population.

The average length of stay for patients 45-64 years of age was 7.2 days. Long lengths of stay were recorded for cerebrovascular disease, 10.3 days, and alcohol dependence syn-

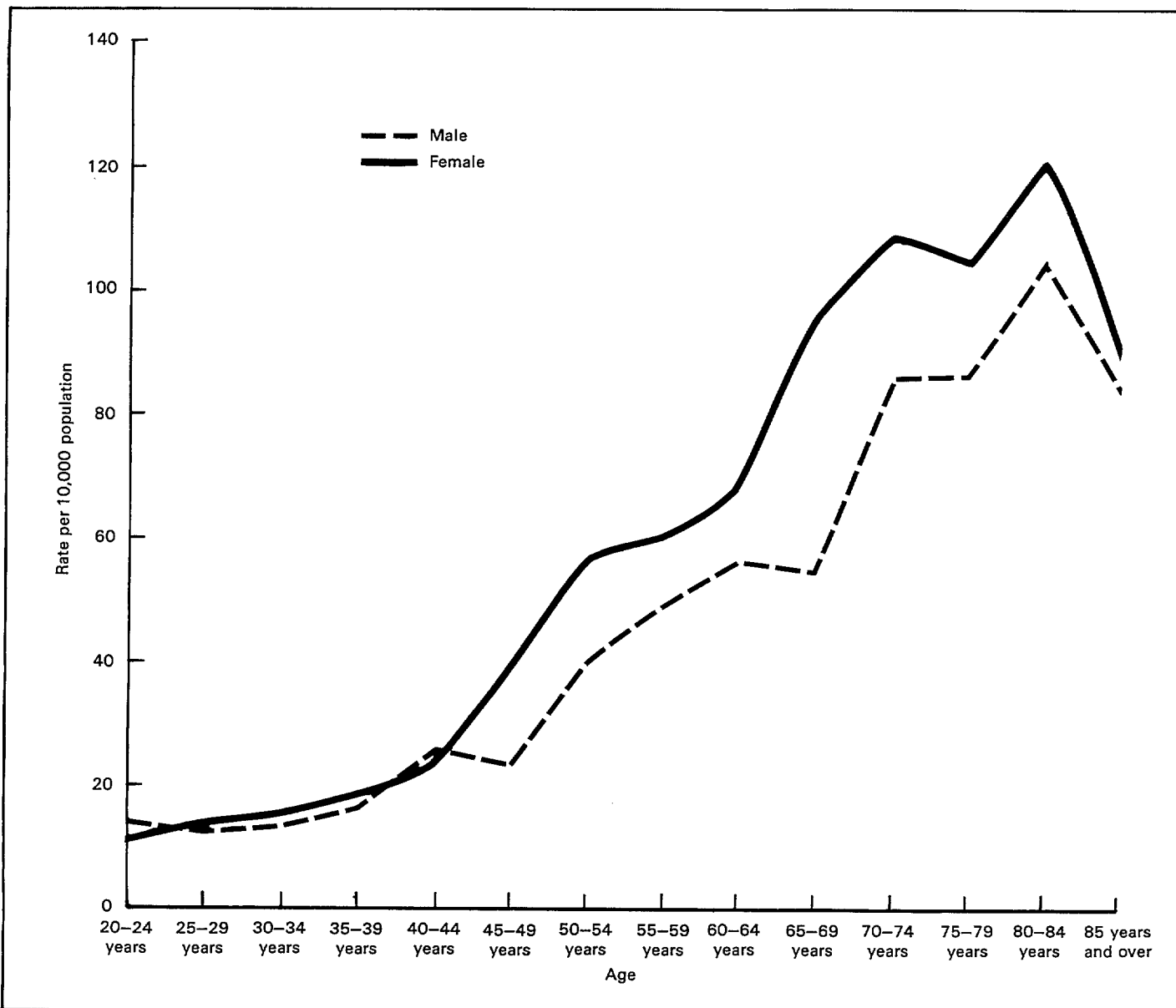


Figure 5. Discharge rates of patients discharged from non-Federal short-stay hospitals with first-listed diagnosis of diabetes mellitus by sex and age: United States, 1984

drome, 10.0 days. Males had long lengths of stay for cerebrovascular disease (9.6 days), malignant neoplasms (9.7 days), and alcohol dependence syndrome (9.6 days); females had long lengths of stay for cerebrovascular disease (11.0 days), alcohol dependence syndrome (11.1 days), and acute myocardial infarction (10.2 days). Short lengths of stay were recorded for patients 45–64 years of age for inguinal hernia (4.0 days), angina pectoris (4.5 days), and essential hypertension (5.1 days). For males, short lengths of stay were recorded for inguinal hernia (4.1 days), angina pectoris (4.1 days), and essential hypertension (5.1 days). Females 45–64 years of age had short lengths of stay for angina pectoris (5.0 days), essential hypertension (5.1 days), and coronary atherosclerosis (5.3 days).

Patients 65 years of age and over

Of the 1984 civilian population, only 12 percent (28 million) were 65 years of age and over, yet they accounted for 30

percent (11.2 million) of the patients discharged from short-stay hospitals and 41 percent of the patient days for 1984. Of the 11.2 million discharges, 4.8 million were male and 6.4 million were female. The corresponding discharge rates per 1,000 population were 424.8 and 383.9, respectively.

Compared with other age groups, this age group had larger proportions of severely ill people, as measured by the greater frequency of chronic incapacitating illnesses, larger hospital fatality rates, and longer average lengths of stay. Diseases of the circulatory system, with 29 percent of the discharges, was the leading diagnostic ICD-9-CM chapter in this age group (3.3 million). Other chapters with a large number of discharges were (table 1) diseases of the digestive system, with 12 percent of the discharges (1.4 million), and neoplasms and diseases of the respiratory system, with 10 percent each (1.2 and 1.1 million discharges, respectively). These four chapters accounted for 62 percent of the discharges in this age group.

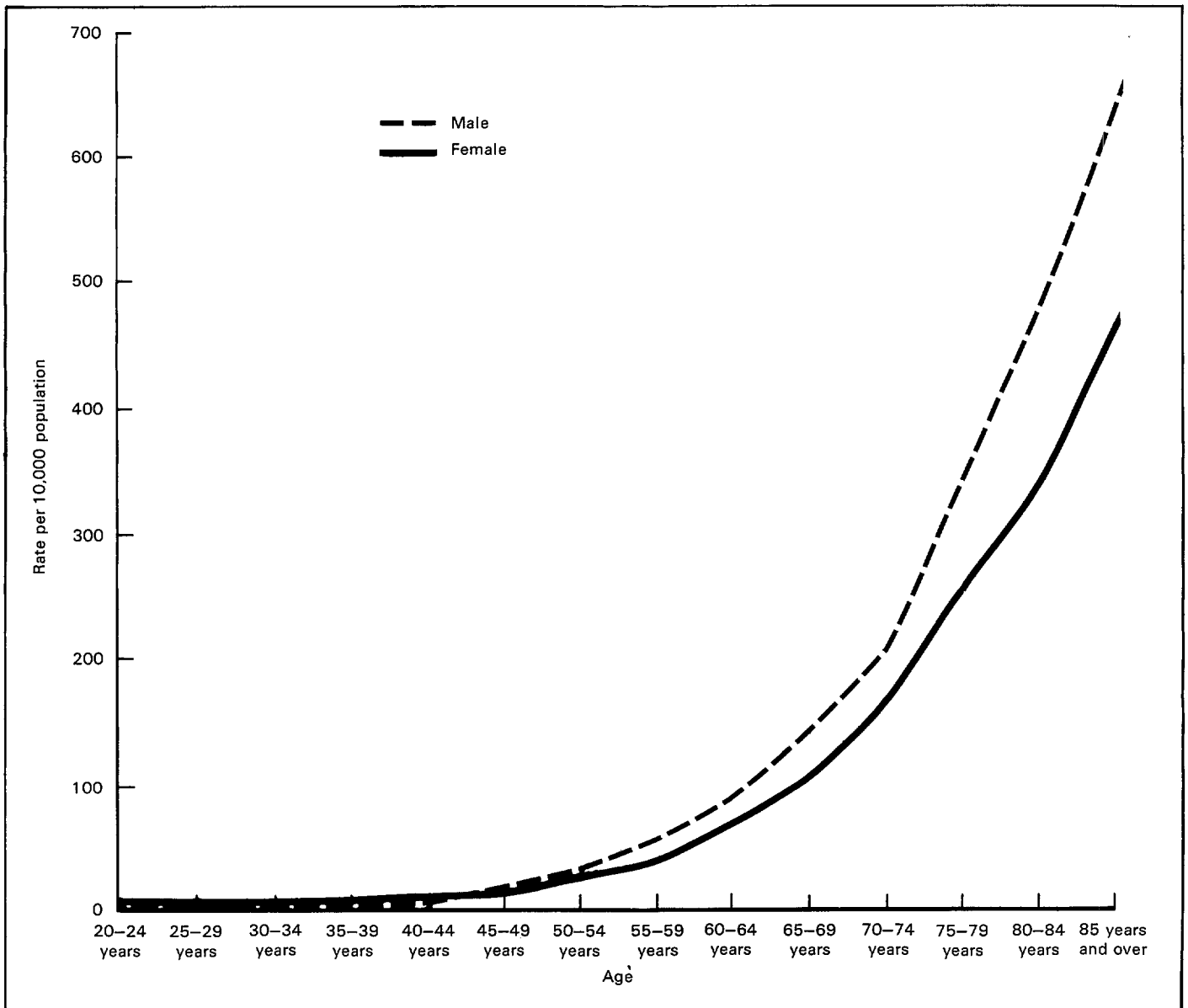


Figure 6. Discharge rates of patients discharged from non-Federal short-stay hospitals with first-listed diagnosis of cerebrovascular disease by sex and age: United States, 1984

Heart disease, with a rate of 75.2 discharges per 1,000 civilian population, had the highest rate for the selected conditions presented in table G for the age group 65 years and over. Malignant neoplasms and cerebrovascular disease had the next highest rates—38.1 and 23.8, respectively. It is noteworthy that this age group accounted for 59 percent of all hospital discharges for heart disease and 52 percent of all discharges for malignant neoplasms.

The discharge rates per 1,000 population for heart disease, malignant neoplasms, and cerebrovascular disease for males were 84.0, 47.2, and 26.4, respectively; those for females were 69.3, 32.0, and 22.0, respectively. In 1984 the rate for males for malignant neoplasm of the trachea, bronchus, and lung was 2.6 times greater than the corresponding rate for females. In 1980, however, the rate for males was 4½ times larger. In 1984 the rates for acute myocardial infarction and coronary

atherosclerosis for males were 1.6 times larger than the rates for females.

Females, however, showed rates 2.2 times larger for fractures of neck of femur and other fractures, 1.8 times larger for diverticula of intestine, and 1.7 times larger for rheumatoid arthritis and allied disorders.

The average length of stay was 8.9 days for all patients 65 years of age and over—8.8 days for males and 9.0 days for females (table G). The longest stay was 15.9 days for fracture of neck of femur followed by malignant neoplasm of large intestine and rectum, with 13.2 days. The shortest length of stay was for cataract, with 2.4 days.

Diagnosis by geographic region

The number of discharges, discharge rate, and average length of stay are presented by geographic region and diagnostic

Table D. Number, discharge rate, and average length of stay of patients under 15 years of age discharged from short-stay hospitals, by selected first-listed diagnostic categories and sex: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code	Both sexes			Both sexes			Both sexes		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
	Number in thousands			Rate per 1,000 population			Average length of stay in days		
All categories ¹	3,208	1,832	1,377	62.0	69.2	54.5	4.5	4.4	4.6
Viral diseases 045-079, 138, 139.0-139.1	84	46	38	1.6	1.7	1.5	3.3	3.2	3.4
Otitis media and eustachian tube disorders 381-382	137	80	57	2.6	3.0	2.2	2.5	2.7	2.4
Diseases of the respiratory system:									
Acute respiratory infections 460-466	199	112	87	3.8	4.2	3.4	3.2	3.2	3.3
Chronic disease of tonsils and adenoids 474	218	110	108	4.2	4.2	4.3	1.6	1.6	1.7
Pneumonia, all forms 480-486	207	128	79	4.0	4.8	3.1	4.8	4.6	5.2
Asthma 493	150	95	54	2.9	3.6	2.1	3.6	3.4	3.7
Diseases of the digestive system:									
Appendicitis 540-543	69	43	26	1.3	1.6	1.0	4.6	4.5	4.9
Inguinal hernia 550	58	53	*6	1.1	2.0	*0.2	1.9	1.9	*1.5
Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis 555-556, 558	171	88	82	3.3	3.3	3.3	3.4	3.2	3.6
Congenital anomalies 740-759	166	104	62	3.2	3.9	2.5	5.7	5.6	5.8
Fractures, all sites 800-829	146	102	44	2.8	3.8	1.8	4.7	5.3	3.4
Intracranial injury (excluding concussion with skull fractures) 850-854	68	44	24	1.3	1.7	0.9	2.6	2.4	2.9

¹Includes data for diagnostic categories not shown in table.

Table E. Number, discharge rate, and average length of stay of patients 15-44 years of age discharged from short-stay hospitals, by selected first-listed diagnostic categories and sex: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code	Both sexes			Both sexes			Both sexes		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	
	Number in thousands			Rate per 1,000 population			Average length of stay in days		
All categories ¹	14,533	4,305	10,228	132.2	79.6	183.1	4.9	6.0	4.4
Neoplasms:									
Malignant neoplasms, carcinoma-in-situ 140-208, 230-234	227	80	147	2.1	1.5	2.6	7.9	9.1	7.3
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229, 235-239	230	26	204	2.1	0.5	3.6	4.9	3.7	5.0
Mental disorders:									
Psychoses 290-299	329	166	163	3.0	3.1	2.9	14.5	14.2	14.8
Alcohol dependence syndrome 303	232	170	61	2.1	3.1	1.1	10.6	10.4	11.1
Heart disease 391-392.0, 393-398, 402, 404, 410-429	266	177	89	2.4	3.3	1.6	6.1	6.2	5.9
Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis 555-556, 558	175	63	112	1.6	1.2	2.0	4.9	5.4	4.7
Inflammatory disease of female pelvic organs 614-616	249	...	249	2.3	...	4.5	4.9	...	4.9
Disorders of menstruation and other abnormal vaginal bleeding 626	191	...	191	1.7	...	3.4	3.4	...	3.4
Pregnancy with abortive outcome 630-639	413	...	413	3.8	...	7.4	2.3	...	2.3
Females with deliveries V27	3,836	...	3,836	34.9	...	68.7	3.4	...	3.4
Intervertebral disc disorders 722	271	167	104	2.5	3.1	1.9	7.1	6.7	7.6
Fractures, all sites 800-829	387	273	114	3.5	5.0	2.0	7.0	7.1	6.7
Laceration and open wound 870-904	204	162	42	1.9	3.0	0.7	4.2	4.3	3.7

¹Includes data for diagnostic categories not shown in table.

chapter and category in table 4. The rate per 1,000 civilian population for all conditions for the United States was 158.5. The rates for the four geographic regions ranged from 138.7 in the West to 167.9 in the North Central and 168.8 in the South. The rate in the Northeast was 149.3.

In all four regions, diseases of the circulatory system, the supplementary classification of factors influencing health status (including females with deliveries), and diseases of the digestive system were the three ICD-9-CM diagnostic chapters with the largest frequency (except for the West, where the number

Table F. Number, discharge rate, and average length of stay of patients 45–64 years of age discharged from short-stay hospitals, by selected first-listed diagnostic categories and sex: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD–9–CM code	Both sexes			Both sexes			Both sexes		
	Male	Female		Male	Female		Male	Female	
	Number in thousands			Rate per 1,000 population			Average length of stay in days		
All categories ¹	8,195	3,964	4,231	183.3	185.8	180.9	7.2	7.1	7.2
Neoplasms:									
Malignant neoplasms, carcinoma-in-situ..... 140–208, 230–234	727	308	419	16.3	14.4	17.9	9.1	9.7	8.7
Malignant neoplasm of trachea, bronchus, and lung..... 162, 197.0, 197.3	155	97	58	3.5	4.6	2.5	8.7	8.1	9.7
Malignant neoplasm of breast..... 174–175, 198.81	101	*	100	2.3	*	4.3	7.7	*	7.7
Malignant neoplasm of female genital organs..... 179–184, 198.6	92	...	92	2.1	...	3.9	7.2	...	7.2
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature..... 210–229, 235–239	157	33	124	3.5	1.5	5.3	6.6	6.5	6.7
Diabetes mellitus..... 250	199	80	119	4.4	3.8	5.1	8.2	8.4	8.0
Alcohol dependence syndrome..... 303	128	95	33	2.9	4.4	1.4	10.0	9.6	11.1
Essential hypertension..... 401	115	53	62	2.6	2.5	2.6	5.1	5.1	5.1
Heart disease..... 391–392.0, 393–398, 402, 404, 410–429	1,203	770	433	26.9	36.1	18.5	7.1	7.1	7.2
Acute myocardial infarction..... 410	257	188	69	5.8	8.8	2.9	9.5	9.2	10.2
Angina pectoris..... 413	133	76	57	3.0	3.6	2.4	4.5	4.1	5.0
Coronary atherosclerosis..... 414.0	135	101	34	3.0	4.7	1.4	6.4	6.8	5.3
Other chronic ischemic heart disease... 412, 414.1–414.9	184	132	53	4.1	6.2	2.3	6.5	6.4	6.8
Cardiac dysrhythmias..... 427	124	69	55	2.8	3.2	2.4	6.3	6.5	6.1
Cerebrovascular disease..... 430–438	192	104	88	4.3	4.9	3.7	10.3	9.6	11.0
Pneumonia, all forms..... 480–486	136	65	71	3.0	3.1	3.0	8.1	7.8	8.4
Diseases of the digestive system:									
Gastric, duodenal, and other and unspecified peptic ulcer..... 530–534	151	81	69	3.4	3.8	3.0	6.9	6.8	7.0
Inguinal hernia..... 550	131	118	14	2.9	5.5	0.6	4.0	4.1	3.6
Cholelithiasis..... 574	155	58	98	3.5	2.7	4.2	7.3	7.6	7.1
Intervertebral disc disorders..... 722	183	98	85	4.1	4.6	3.7	7.9	7.1	8.9
Fractures, all sites..... 800–829	161	68	92	3.6	3.2	4.0	8.7	9.0	8.4

¹Includes data for diagnostic categories not shown in table.

of discharges for diseases of the digestive system was not significantly different from the number of discharges for injury and poisoning). Over one-third of all discharges were in these three diagnostic chapters. Table H presents the number of discharges for selected categories by geographic region.

The rate of discharges per 1,000 population and the average length of stay for selected categories by geographic region are shown in table J. Females with deliveries, heart disease, and malignant neoplasms were the conditions with the highest rates in all four regions. Many of the categories had considerable regional variation. Large variations in discharge rates were recorded for malignant neoplasms (7.4 in the South to 10.9 in the North Central), alcohol dependence syndrome (0.8 in the South and West to 3.3 in the Northeast), and heart disease (12.3 in the West to 15.9 in the South, 16.0 in the Northeast, and 16.4 in the North Central).

The average length of stay was 7.8 days in the Northeast, 6.9 days in the North Central, 6.1 days in the South, and 5.7 days in the West (table J). Of these selected diagnostic categories, psychoses, with 14.5 days, had the longest length of stay. This was true in each of the four regions. The average length of stay for psychoses was 17.2 days in the Northeast, 15.8 days in the North Central, 12.4 days in the South, and

12.8 days in the West. Chronic disease of tonsils and adenoids, with 1.7 days, had the shortest length of stay. This was also true in three of the four regions. The average length of stay for chronic disease of tonsils and adenoids was 1.5 days in the North Central, 1.9 days in the South, and 1.3 days in the West. In the Northeast the average length of stay for chronic disease of tonsils and adenoids was 1.7 days; this was not significantly different from the 1.9 days recorded for pregnancy with abortive outcome.

Of the four regions the Northeast had many of the longer lengths of stay while the West had many of the shorter lengths of stay. Some of the longer lengths of stay in the Northeast were for psychoses (17.2 days), cerebrovascular disease (13.2 days), malignant neoplasms (12.5 days), and diabetes mellitus (10.0 days). The corresponding lengths of stay in the West were 12.8 days for psychoses, 9.2 days for cerebrovascular disease, 8.2 days for malignant neoplasms, and 6.9 days for diabetes mellitus.

Some of the shorter lengths of stay in the West were chronic disease of tonsils and adenoids (1.3 days), cataract (2.0 days), pregnancy with abortive outcome (2.3 days), inguinal hernia (2.6 days), and females with deliveries (2.7 days). The corresponding rates in the Northeast were 1.7 days for chronic dis-

Table G. Number, discharge rate, and average length of stay of patients 65 years of age and over discharged from short-stay hospitals, by selected first-listed diagnostic categories and sex: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code	Both sexes			Both sexes			Both sexes		
	Male	Female		Male	Female		Male	Female	
	Number in thousands			Rate per 1,000 population			Average length of stay in days		
All categories ¹	11,226	4,799	6,427	400.4	424.8	383.9	8.9	8.8	9.0
Neoplasms:									
Malignant neoplasms, carcinoma-									
in-situ..... 140-208, 230-234	1,070	534	536	38.1	47.2	32.0	10.7	10.7	10.8
Malignant neoplasm of large intestine and rectum..... 153-154, 197.5	135	66	70	4.8	5.8	4.2	13.2	12.4	13.9
Malignant neoplasm of trachea, bronchus, and lung..... 162, 197.0, 197.3	172	109	62	6.1	9.7	3.7	10.4	10.8	9.7
Malignant neoplasm of breast..... 174, 175, 198.81	100	*	98	3.6	*	5.9	9.4	10.5	9.4
Malignant neoplasm of prostate..... 185	106	106	...	3.8	9.4	...	9.0	9.0	...
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature..... 210-229, 235-239	104	45	59	3.7	4.0	3.5	6.8	6.6	6.8
Diabetes mellitus..... 250	227	75	152	8.1	6.7	9.1	9.9	9.7	10.1
Cataract..... 366	395	126	268	14.1	11.2	16.0	2.4	2.2	2.4
Essential hypertension..... 401	102	33	68	3.6	2.9	4.1	6.8	6.8	6.8
Heart disease..... 391-392.0, 393-398, 402, 404, 410-416, 420-429	2,110	949	1,161	75.2	84.0	69.3	8.4	8.1	8.6
Acute myocardial infarction..... 410	401	210	191	14.3	18.6	11.4	10.4	10.0	11.0
Other acute and subacute forms of ischemic heart disease..... 411	156	60	96	5.5	5.3	5.7	6.3	5.8	6.7
Angina pectoris..... 413	157	59	98	5.6	5.2	5.8	5.5	5.5	5.5
Coronary atherosclerosis..... 414.0	212	110	102	7.6	9.8	6.1	7.9	7.8	8.0
Other chronic ischemic heart disease..... 412, 414.1-414.9	159	87	71	5.7	7.7	4.3	7.3	6.9	7.8
Cardiac dysrhythmias..... 427	309	127	182	11.0	11.3	10.9	7.5	7.3	7.7
Congestive heart failure..... 428.0	425	172	254	15.2	15.2	15.2	8.7	8.3	9.0
Cerebrovascular disease..... 430-438	667	298	369	23.8	26.4	22.0	10.4	9.9	10.7
Pneumonia, all forms..... 480-486	380	177	204	13.6	15.6	12.2	9.8	9.4	10.1
Inguinal hernia..... 550	125	111	14	4.4	9.8	0.8	5.2	5.1	6.3
Diverticula of intestine..... 562	115	32	83	4.1	2.8	5.0	8.1	7.6	8.2
Cholelithiasis..... 574	155	53	101	5.5	4.7	6.1	9.7	9.6	9.7
Hyperplasia of prostate..... 600	190	190	...	6.8	16.8	...	7.8	7.8	...
Rheumatoid arthritis and allied disorders..... 714, 715	153	44	109	5.5	3.9	6.5	11.0	10.8	11.1
Fractures of neck of femur..... 820	205	47	158	7.3	4.2	9.4	15.9	15.3	16.1
Other fractures..... 800-819, 821-829	214	51	164	7.6	4.5	9.8	10.7	12.5	10.2

¹Includes data for diagnostic categories not shown in table.

ease of tonsils and adenoids, 2.7 days for cataract, 1.9 days for pregnancy with abortive outcome, 3.9 days for inguinal hernia, and 3.9 days for females with deliveries.

All-listed diagnoses

An estimated 104.3 million diagnoses were coded for the 37.2 million patients discharged from non-Federal short-stay hospitals in 1984. The average number of diagnoses for each hospitalized patient was 2.8 even though it was possible for a specific patient to have as many as seven diagnoses listed on the abstract. The number and rate for diagnoses by diagnostic chapter and category, age, and sex are found in table 5. Sixty-four percent of the discharges in 1984 had two or more diagnoses. The percent of patients with two or more diagnoses increased with increasing age. Forty-seven percent of the patients under 15 years, 55 percent for those 15-44 years, 65 percent for those 45-64 years, and 73 percent for those 65 years and over had two or more diagnoses. The average number of diagnoses coded for those under 15 years was 1.9; for those 15-44

years, 2.2; for those 45-64 years, 2.9; and for those 65 years and over, 3.8.

The diagnostic chapter with the largest number of all-listed diagnoses was diseases of the circulatory system, with 20 million diagnoses. The next leading diagnostic chapter was diseases of the digestive system, with 9 million diagnoses. Other ICD-9-CM diagnostic chapters with large numbers of diagnoses were supplementary classification, with 8.1 million, diseases of the genitourinary system, with 7.8 million, and diseases of the respiratory system, with 7.7 million. These five diagnostic chapters constituted 51 percent of all-listed diagnoses.

Heart disease with an all-listed rate of 53.9 per 1,000 population was substantially larger than any of the other selected diagnostic conditions (table K). Other selected conditions that had high rates per 1,000 population were females with deliveries (16.4), malignant neoplasms (16.3), diabetes mellitus (12.5), and essential hypertension (11.9). Males had high rates for heart disease (55.5) and malignant neoplasms (15.9); females had high rates for heart disease (52.4), females with deliveries (31.8), and malignant neoplasms (16.6).

Table H. Number of patients discharged from short-stay hospitals, by selected first-listed diagnostic categories and geographic region: United States, 1984.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Diagnostic category and ICD-9-CM code</i>	<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>
Number in thousands					
All categories ¹	37,162	7,408	9,899	13,451	6,405
Neoplasms:					
Malignant neoplasms, carcinoma-in-situ 140-208, 230-234	2,059	456	642	589	372
Malignant neoplasm of trachea, bronchus, and lung 162, 197.0, 197.3	340	69	104	111	57
Malignant neoplasm of breast 174-175, 198.81	234	62	64	62	47
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229, 235-239	517	124	129	182	82
Diabetes mellitus 250	593	137	152	219	84
Psychoses 290-299	625	126	195	181	122
Alcohol dependence syndrome 303	392	163	124	67	38
Cataract 366	481	103	151	125	101
Essential hypertension 401	266	49	68	114	34
Heart disease 391-392.0, 393-398, 402, 404, 410-416, 420-429	3,599	793	970	1,267	569
Acute myocardial infarction 410	700	173	173	243	111
Coronary atherosclerosis 414.0	365	63	124	130	49
Cardiac dysrhythmias 427	479	102	126	171	80
Congestive heart failure 428.0	531	123	143	191	74
Cerebrovascular disease 430-438	896	182	227	313	173
Diseases of the respiratory system:					
Acute respiratory infections, except influenza 460-466	449	70	121	210	49
Chronic disease of tonsils and adenoids 474	327	57	103	125	42
Pneumonia, all forms 480-486	837	147	222	347	121
Asthma 493	465	108	118	158	82
Diseases of the digestive system:					
Gastric, duodenal, and other and unspecified peptic ulcer 531-534	327	62	82	133	50
Inguinal hernia 550	440	117	108	148	66
Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis 555, 556, 558	540	89	139	243	69
Cholelithiasis 574	488	100	131	178	79
Disorders of menstruation and other abnormal vaginal bleeding 626	254	69	53	99	33
Pregnancy with abortive outcome 630-639	418	125	87	141	65
Females with deliveries V27	3,853	668	973	1,406	806
Fractures, all sites 800-829	1,114	216	299	361	238

¹Includes data for diagnostic categories not shown in table.

All-listed diagnoses provide much more information about a patient's overall condition that would otherwise be unavailable if only the first-listed diagnosis was utilized. Without all-listed diagnoses, data for complicated deliveries would be unavailable because it is never a first-listed diagnosis. During

1984 there were approximately 1.6 million discharges for complicated deliveries. Also, diagnoses for decubitus ulcers, which often occur in a hospital environment, would be underreported because these are primarily a secondary diagnosis.

Table J. Rate of discharge and average length of stay of patients discharged from short-stay hospitals, by selected first-listed diagnostic categories and geographic region: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code	All regions	North-east	North Central	South	West	All regions	North-east	North Central	South	West
	Rate per 1,000 population					Average length of stay in days				
All categories ¹	158.5	149.3	167.9	168.8	138.7	6.6	7.8	6.9	6.1	5.7
Neoplasms:										
Malignant neoplasms, carcinoma-										
in-situ 140-208, 230-234	8.8	9.2	10.9	7.4	8.1	9.8	12.5	9.5	8.9	8.2
Malignant neoplasm of trachea, bronchus, and lung 162, 197.0, 197.3	1.5	1.4	1.8	1.4	1.2	9.5	12.9	8.9	8.8	7.9
Malignant neoplasm of breast 174-175, 198.81	1.0	1.2	1.1	0.8	1.0	8.3	10.7	8.5	8.0	5.3
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229, 235-239	2.2	2.5	2.2	2.3	1.8	5.7	5.9	6.4	5.4	5.1
Diabetes mellitus 250	2.5	2.8	2.6	2.8	1.8	8.2	10.0	7.7	8.0	6.9
Psychoses 290-299	2.7	2.5	3.3	2.3	2.7	14.5	17.2	15.8	12.4	12.8
Alcohol dependence syndrome 303	1.7	3.3	2.1	0.8	0.8	10.6	8.3	13.9	10.2	10.2
Cataract 366	2.1	2.1	2.6	1.6	2.2	2.4	2.7	2.4	2.4	2.0
Essential hypertension 401	1.1	1.0	1.2	1.4	0.7	5.6	6.7	5.4	5.4	5.4
Heart disease 391-392.0, 393-398, 402, 404, 410-416, 420-429	15.4	16.0	16.4	15.9	12.3	7.8	9.3	7.8	7.5	6.1
Acute myocardial infarction 410	3.0	3.5	2.9	3.1	2.4	10.0	11.5	10.2	9.5	8.3
Coronary atherosclerosis 414.0	1.6	1.3	2.1	1.6	1.1	7.2	9.0	6.8	7.3	5.7
Cardiac dysrhythmias 427	2.0	2.1	2.1	2.1	1.7	6.9	9.0	6.5	6.9	4.9
Congestive heart failure 428.0	2.3	2.5	2.4	2.4	1.6	8.6	10.4	8.4	8.2	6.7
Cerebrovascular disease 430-438	3.8	3.7	3.9	3.9	3.8	10.4	13.2	10.0	9.6	9.2
Diseases of the respiratory system:										
Acute respiratory infections, except influenza 460-466	1.9	1.4	2.1	2.6	1.1	4.6	5.2	4.5	4.5	4.2
Chronic disease of tonsils and adenoids 474	1.4	1.2	1.7	1.6	0.9	1.7	1.7	1.5	1.9	1.3
Pneumonia, all forms 480-486	3.6	3.0	3.8	4.4	2.6	7.8	9.9	7.7	7.1	7.0
Asthma 493	2.0	2.2	2.0	2.0	1.8	5.2	5.7	5.2	5.2	4.2
Diseases of the digestive system:										
Gastric, duodenal, and other and unspecified peptic ulcer 531-534	1.4	1.3	1.4	1.7	1.1	7.4	9.5	7.4	6.4	7.3
Inguinal hernia 550	1.9	2.4	1.8	1.9	1.4	3.8	3.9	3.8	4.1	2.6
Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis 555, 556, 558	2.3	1.8	2.4	3.0	1.5	4.9	5.4	5.5	4.5	4.5
Cholelithiasis 574	2.1	2.0	2.2	2.2	1.7	7.6	8.6	7.5	7.9	6.1
Disorders of menstruation and other abnormal										
vaginal bleeding 626	1.1	1.4	0.9	1.3	0.7	3.5	2.9	3.9	3.9	3.1
Pregnancy with abortive outcome 630-639	1.8	2.5	1.5	1.8	1.4	2.3	1.9	2.6	2.4	2.3
Females with deliveries V27	16.4	13.5	16.5	17.7	17.5	3.4	3.9	3.7	3.4	2.7
Fractures, all sites 800-829	4.8	4.4	5.1	4.5	5.2	9.3	12.2	9.0	9.1	7.5

¹Includes data for diagnostic categories not shown in table.

Table K. Number and discharge rate of patients discharged from short-stay hospitals, by selected all-listed diagnostic categories and sex: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code	Both sexes			Both sexes		
	Male	Female	Both sexes	Male	Female	Both sexes
	Number in thousands			Rate per 1,000 population		
All categories ¹	104,261	41,672	62,589	444.7	368.1	516.2
Neoplasms:						
Malignant neoplasms, carcinoma-in-situ 140-208, 230-234	3,816	1,800	2,016	16.3	15.9	16.6
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229, 235-239	1,057	267	790	4.5	2.4	6.5
Diabetes mellitus 250	2,941	1,169	1,772	12.5	10.3	14.6
Psychoses 290-299	1,216	552	664	5.1	4.9	5.5
Alcohol dependence syndrome 303	849	623	227	3.6	5.5	1.9
Cataract 366	572	198	374	2.4	1.8	3.1
Essential hypertension 401	2,789	1,109	1,681	11.9	9.8	13.9
Heart disease 391-392.0, 393-398, 402, 404, 410-429	12,629	6,278	6,351	53.9	55.5	52.4
Acute myocardial infarction 410	811	493	318	3.5	4.4	2.6
Other acute and subacute forms of ischemic heart disease 411	516	257	258	2.2	2.3	2.1
Angina pectoris 413	929	448	481	4.0	4.0	4.0
Coronary atherosclerosis 414.0	1,870	942	928	8.0	8.3	7.7
Other chronic ischemic heart disease 412, 414.1-414.9	1,803	1,055	748	7.7	9.3	6.2
Cardiac dysrhythmias 427	2,245	1,123	1,122	9.6	9.9	9.3
Congestive heart failure 428.0	1,661	729	933	7.1	6.4	7.7
Cerebrovascular disease 430-438	2,013	922	1,091	8.6	8.1	9.0
Atherosclerosis 440	932	423	509	4.0	3.7	4.2
Diseases of the respiratory system:						
Acute respiratory infections, except influenza 460-466	879	405	474	3.8	3.6	3.9
Chronic disease of tonsils and adenoids 474	429	194	235	1.8	1.7	1.9
Pneumonia, all forms 480-486	1,337	684	652	5.7	6.0	5.4
Asthma 493	739	302	436	3.2	2.7	3.6
Diseases of the digestive system:						
Gastric, duodenal, and other and unspecified peptic ulcer 531-534	605	307	298	2.6	2.7	2.5
Inguinal hernia 550	533	467	66	2.3	4.1	0.5
Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis 555, 556, 558	817	315	502	3.5	2.8	4.1
Cholelithiasis 574	776	246	529	3.3	2.2	4.4
Disorders of menstruation and other abnormal vaginal bleeding 626	400	...	400	1.7	...	3.3
Pregnancy with abortive outcome 630-639	462	...	462	2.0	...	3.8
Females with deliveries V27	3,853	...	3,853	16.4	...	31.8
Delivery without mention of complication 650	1,575	...	1,575	6.7	...	13.0
Complications of delivery 640-648, 651-676 with 5th digit 1 or 2	3,555	...	3,555	15.2	...	29.3
Fractures, all sites 800-829	1,656	846	810	7.1	7.5	6.7

¹Includes data for diagnostic categories not shown in table.

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Table 1. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
01	All categories	37,162	3,208	14,533	8,195	11,226
02	Chapter 1. Infectious and parasitic diseases 001-139	658	185	217	89	166
03	Viral diseases 045-079, 138, 139.0-139.1	251	84	96	28	42
04	Other infectious and parasitic diseases 001-041, 080-137, 139.8	407	102	121	61	124
05	Chapter 2. Neoplasms 140-239	2,576	62	456	884	1,174
06	Malignant neoplasms, carcinoma-in-situ 140-208, 230-234	2,059	36	227	727	1,070
07	Malignant neoplasm of lip, oral cavity, and pharynx 140-149	44	-	*	23	17
08	Malignant neoplasm of large intestine and rectum 153-154, 197.5	205	*	*7	63	136
09	Malignant neoplasm of other digestive organs and peritoneum 150-152, 155-159, 197.4, 197.6-197.8	162	*	10	54	98
10	Malignant neoplasm of trachea, bronchus, and lung 162, 197.0, 197.3	340	*	13	155	172
11	Malignant neoplasm of bone, connective tissue, and skin 170-173, 198.2, 198.5	99	*7	19	28	45
12	Malignant neoplasm of breast 174-175, 198.81	234	*	33	101	100
13	Malignant neoplasm of female genital organs 179-184, 198.6	206	*	26	92	87
14	Malignant neoplasm of prostate 185	134	*	*	26	106
15	Malignant neoplasm of urinary organs 188, 189, 198.0-198.1	124	*	*	32	87
16	Leukemia 204-208	64	13	12	12	28
17	Other malignant neoplasm of hematopoietic tissue 196, 200-203	155	*7	26	47	75
18	Malignant neoplasm of other and unspecified sites, carcinoma-in-situ 160-161, 163-165, 186-187, 190-195, 197.1-197.2, 198.3-198.4, 198.7, 198.82-199, 230-234	289	*7	71	93	118
19	Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229, 235-239	517	27	230	157	104
20	Benign neoplasm of the digestive system 210-211	62	*	10	20	31
21	Benign neoplasm of bone and connective tissue 213-215	52	*6	23	15	8
22	Benign neoplasm of the breast 217	21	*	13	*5	*
23	Benign neoplasm of the uterus 218-219	173	-	111	58	*
24	Benign neoplasm of other female genital organs 220-221	40	*	26	*9	*
25	Other benign neoplasms and neoplasms of uncertain behavior and unspecified nature 212, 216, 222-229, 235-239	170	19	46	50	56
26	Chapter 3. Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	1,139	78	273	314	474
27	Diseases of the thyroid gland 240-246	64	*	24	25	12
28	Diabetes mellitus without complication 250.0	204	*9	38	78	80
29	Diabetes mellitus with complication 250.1-250.9	388	14	105	121	148
30	Other diseases of the endocrine glands 251-259	85	*7	26	21	31
31	Obesity 278.0	26	*	14	*8	*
32	Other nutritional deficiencies and metabolic and immunity disorders 260-277, 278.1-279	372	43	66	61	202
33	Chapter 4. Diseases of the blood and blood-forming organs 280-289	354	57	86	58	153
34	Anemias 280-285	244	24	54	41	125
35	Other diseases of the blood and blood-forming organs 286-289	110	33	31	18	29
36	Chapter 5. Mental disorders 290-319	1,690	50	966	413	261
37	Organic psychotic conditions 290-294	112	*	33	32	46
38	Schizophrenic disorders 295	173	*	131	34	*6
39	Other psychoses 296-299	340	*6	165	89	80
40	Anxiety states 300.0	51	*	28	16	*6
41	Other neuroses and personality disorders 300.1-301	176	*6	106	43	22
42	Alcohol dependence syndrome 303	392	*	232	128	31
43	Drug dependence 304	55	*	45	*7	*
44	Nondependent abuse of drugs (including alcohol) 305	81	*	62	11	*
45	Other mental disorders and mental retardation 302, 306-319	310	29	164	54	64

Table 1. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
1,585.1	620.1	1,321.7	1,832.8	4,003.6	6.6	4.5	4.9	7.2	8.9	01
28.1	35.9	19.8	19.9	59.2	6.6	4.0	5.7	8.1	10.1	02
10.7	16.2	8.8	6.3	15.1	4.9	3.3	4.7	6.7	7.0	03
17.4	19.6	11.0	13.5	44.1	7.7	4.6	6.4	8.8	11.1	04
109.9	12.1	41.5	197.7	418.6	9.0	5.1	6.4	8.7	10.4	05
87.8	7.0	20.6	162.6	381.5	9.8	6.6	7.9	9.1	10.7	06
1.9	-	*	5.2	6.2	11.0	-	*	8.3	15.4	07
8.8	*	*0.6	14.1	48.3	13.0	*	*16.1	12.3	13.2	08
6.9	*	0.9	12.1	34.9	13.2	*	11.7	12.7	13.6	09
14.5	*	1.2	34.7	61.2	9.5	*	7.6	8.7	10.4	10
4.2	*1.3	1.7	6.3	15.9	7.3	*3.8	7.0	7.2	8.1	11
10.0	*	3.0	22.5	35.7	8.3	*	6.9	7.7	9.4	12
8.8	*	2.4	20.5	31.2	7.8	*	7.4	7.2	8.6	13
5.7	*	*	5.8	37.7	9.1	*	*	9.4	9.0	14
5.3	*	*	7.1	31.1	8.4	*	*	7.5	8.6	15
2.7	2.4	1.1	2.7	10.0	10.9	6.5	17.1	15.2	8.5	16
6.6	*1.3	2.4	10.5	26.9	9.0	*2.6	6.2	8.7	10.9	17
12.3	1.4	6.5	20.8	42.1	10.1	*12.0	6.5	9.8	12.6	18
22.1	5.1	20.9	35.1	37.2	5.7	3.2	4.9	6.6	6.8	19
2.6	*	0.9	4.4	10.9	5.0	*	4.2	4.5	5.7	20
2.2	*1.1	2.1	3.3	2.9	3.5	*2.7	3.2	3.3	5.1	21
0.9	*	1.2	*1.1	*	2.4	*	2.0	*2.8	*	22
7.4	-	10.1	13.0	*	6.3	-	5.7	7.4	*	23
1.7	*	2.4	*2.1	*	6.0	*	5.3	*6.9	*	24
7.3	3.6	4.1	11.1	19.9	6.4	3.3	4.5	7.9	7.6	25
48.6	15.0	24.8	70.3	169.2	7.6	4.7	5.7	7.4	9.4	26
2.7	*	2.2	5.5	4.4	5.7	*	5.4	5.2	7.7	27
8.7	*1.7	3.4	17.4	28.4	7.1	*7.0	6.4	6.6	7.9	28
16.6	2.8	9.6	27.0	52.7	8.8	5.1	5.8	9.2	11.0	29
3.6	*1.4	2.3	4.6	11.1	6.1	*3.8	4.4	6.6	7.6	30
1.1	*	1.3	*1.9	*	6.4	*	6.7	*5.6	*	31
15.9	8.4	6.0	13.7	71.9	7.4	4.4	5.4	6.3	9.1	32
15.1	11.0	7.8	13.1	54.6	6.2	3.7	5.1	6.7	7.4	33
10.4	4.6	5.0	9.1	44.4	6.6	4.2	5.5	6.9	7.4	34
4.7	6.4	2.8	3.9	10.2	5.2	3.4	4.5	6.3	7.6	35
72.1	9.6	87.8	92.4	93.2	11.9	16.7	11.8	11.4	12.2	36
4.8	*	3.0	7.1	16.6	9.4	*	6.2	7.7	12.7	37
7.4	*	11.9	7.6	*2.3	16.4	*	16.8	15.3	*13.6	38
14.5	*1.1	15.0	20.0	28.6	15.2	*27.2	14.3	16.3	15.0	39
2.2	*	2.5	3.5	*2.3	5.4	3.9	5.2	6.5	*4.1	40
7.5	*1.2	9.6	9.5	7.8	12.8	*25.7	13.4	11.3	9.6	41
16.7	*	21.1	28.6	11.1	10.6	*	10.6	10.0	13.3	42
2.3	*	4.1	*1.5	*	14.9	*	15.1	*12.4	*	43
3.5	*	5.6	2.5	*	8.0	*	8.3	7.2	*	44
13.2	5.5	14.9	12.1	22.7	9.3	14.0	8.6	8.6	9.9	45

Table 1. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
46	Chapter 6. Diseases of the nervous system and sense organs 320-389	1,669	257	349	345	718
47	Epilepsy 345	77	14	29	16	19
48	Other disorders of the central nervous system 320-336, 340-344, 346-349	364	44	128	76	115
49	Disorders of the peripheral nervous system 337, 350-359	178	*	68	65	41
50	Cataract 366	481	*	10	74	395
51	Other disorders of the eye 360-365, 367-379	248	41	54	58	95
52	Otitis media and eustachian tube disorders 381-382	171	137	15	14	*5
53	Other diseases of the ear and mastoid process 380, 383-389	150	15	44	42	48
54	Chapter 7. Diseases of the circulatory system 390-459	5,593	35	531	1,762	3,265
55	Essential hypertension 401	266	*	48	115	102
56	Heart disease 391-392.0, 393-398, 402, 404, 410-429	3,599	20	266	1,203	2,110
57	Hypertensive heart disease 402, 404	98	-	*	31	63
58	Acute myocardial infarction 410	700	*	42	257	401
59	Other acute and subacute forms of ischemic heart disease . . . 411	276	*	16	104	156
60	Angina pectoris 413	317	*	26	133	157
61	Coronary atherosclerosis 414.0	365	*	18	135	212
62	Other chronic ischemic heart disease 412, 414.1-414.9	376	*	31	184	159
63	Pulmonary heart disease 415-416	75	*	10	21	43
64	Cardiac dysrhythmias 427	479	*6	40	124	309
65	Congestive heart failure 428.0	531	*	11	92	425
66	Cardiovascular disease, unspecified 429.2	63	*	*	19	42
67	Other heart disease 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9	319	*7	66	103	143
68	Intracranial hemorrhage 430-432	57	*	*9	16	31
69	Occlusion of cerebral arteries 434	127	*	*	30	93
70	Transient cerebral ischemia 435	220	*	*7	52	161
71	Acute, but ill-defined, cerebrovascular disease 436	286	*	*5	43	236
72	Other cerebrovascular disease 433, 437-438	207	*	*9	51	146
73	Atherosclerosis 440	66	*	*	18	45
74	Aneurysm 441-442	69	-	*	16	50
75	Other diseases of arteries, arterioles, and capillaries 443-448	178	*	15	55	106
76	Phlebitis and thrombophlebitis 451	133	*	33	43	57
77	Varicose veins of lower extremities 454	63	-	22	24	17
78	Hemorrhoids 455	120	-	56	42	22
79	Other diseases of the circulatory system 390, 392.9, 403, 405, 417, 452-453, 456-459	204	*6	54	53	91
80	Chapter 8. Diseases of the respiratory system 460-519	3,365	877	708	642	1,137
81	Acute bronchitis and bronchiolitis 466	241	82	29	48	82
82	Other acute upper respiratory infections, except influenza 460-465	208	117	57	17	17
83	Deviated nasal septum 470	113	*5	76	24	*7
84	Chronic disease of tonsils and adenoids 474	327	218	105	*	*
85	Pneumonia, all forms 480-486	837	207	114	136	380
86	Influenza 487	78	10	25	13	29
87	Bronchitis, chronic and unspecified 490-491	181	28	22	50	82
88	Emphysema 492	49	-	*	19	26
89	Asthma 493	465	150	109	102	105
90	Pleurisy 511	56	*	12	17	27
91	Other diseases of the respiratory system 471-473, 475-478, 494-496, 500-510, 512-519	811	61	155	213	382
92	Chapter 9. Diseases of the digestive system 520-579	4,305	409	1,365	1,169	1,361
93	Disturbance of tooth eruption 520.6	26	*	22	*	-
94	Other diseases of the teeth, jaw, and mouth 520.0-520.5, 520.7-529	136	23	58	33	22
95	Diseases of the esophagus 530	169	16	43	53	58
96	Gastric ulcer 531	116	*	16	37	62
97	Duodenal ulcer 532	122	*	37	34	50
98	Other and unspecified peptic ulcer 533-534	89	*	28	26	34
99	Gastritis and duodenitis 535	266	17	103	85	61
100	Other diseases of the stomach 536-537	64	*7	23	15	19

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[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
71.2	49.7	31.7	77.2	256.1	4.8	3.6	5.0	5.1	5.0	46
3.3	2.7	2.6	3.6	6.7	4.9	3.5	3.7	6.1	6.6	47
15.5	8.5	11.7	17.1	41.1	10.3	7.9	7.8	10.3	13.9	48
7.6	*	6.2	14.5	14.7	4.8	*	3.6	4.7	6.6	49
20.5	*	0.9	16.6	140.7	2.4	*	2.8	2.5	2.4	50
10.6	7.9	4.9	13.0	33.8	3.5	2.4	3.6	3.4	3.9	51
7.3	26.5	1.4	3.1	*1.8	2.7	2.5	2.4	4.0	*2.9	52
6.4	3.0	4.0	9.4	17.1	3.7	3.0	2.8	3.4	5.1	53
238.6	6.7	48.3	394.1	1,164.5	8.2	6.3	6.2	7.5	9.0	54
11.3	*	4.4	25.6	36.3	5.6	*	4.4	5.1	6.8	55
153.5	3.8	24.2	269.1	752.4	7.8	6.1	6.1	7.1	8.4	56
4.2	-	*	6.8	22.5	7.5	-	*	6.0	8.4	57
29.9	*	3.8	57.5	142.9	10.0	*	8.3	9.5	10.4	58
11.8	*	1.5	23.3	55.5	6.2	*	6.4	5.9	6.3	59
13.5	*	2.4	29.8	55.9	4.9	*	3.6	4.5	5.5	60
15.6	*	1.6	30.1	75.6	7.2	*	5.4	6.4	7.9	61
16.0	*	2.9	41.3	56.7	6.7	*	5.5	6.5	7.3	62
3.2	*	0.9	4.7	15.4	10.2	*	8.4	9.0	11.3	63
20.4	1.1	3.6	27.7	110.3	6.9	5.8	4.0	6.3	7.5	64
22.6	*	1.0	20.6	151.7	8.6	*	6.1	8.3	8.7	65
2.7	*	*	4.2	14.9	7.8	*	*	6.4	8.6	66
13.6	*1.4	6.0	23.1	50.9	8.4	*7.5	7.1	7.7	9.6	67
2.4	*	*0.8	3.6	11.1	14.9	*	*15.5	17.0	13.5	68
5.4	*	*	6.7	33.1	12.3	*	*	12.2	12.4	69
9.4	*	*0.6	11.5	57.3	6.2	*	*5.3	5.7	6.4	70
12.2	*	*0.5	9.7	84.2	12.7	*	*10.7	13.6	12.6	71
8.8	*	*0.8	11.4	52.1	9.2	*	*12.0	8.9	9.1	72
2.8	*	*	4.0	15.9	11.1	*	*	11.8	11.1	73
2.9	-	*	3.7	17.9	11.8	-	*	11.2	11.9	74
7.6	*	1.4	12.4	37.8	10.6	*	7.5	10.2	11.3	75
5.7	*	3.0	9.7	20.2	8.5	*	7.6	8.2	9.2	76
2.7	-	2.0	5.3	6.2	7.3	-	4.0	6.3	12.9	77
5.1	-	5.1	9.4	7.8	4.9	-	4.3	4.9	6.3	78
8.7	*1.2	4.9	11.9	32.3	8.2	*4.8	6.6	7.9	9.6	79
143.5	169.6	64.4	143.6	405.4	6.0	3.4	3.9	6.8	8.9	80
10.3	15.8	2.6	10.8	29.3	5.6	3.8	4.6	6.2	7.4	81
8.9	22.7	5.2	3.7	6.0	3.4	2.8	3.5	4.8	5.7	82
4.8	*0.9	7.0	5.5	*2.6	2.1	*1.7	2.1	2.2	*2.4	83
14.0	42.2	9.6	*	*	1.7	1.6	1.7	*	*	84
35.7	39.9	10.3	30.5	135.6	7.8	4.8	5.9	8.1	9.8	85
3.3	1.9	2.3	2.9	10.5	4.9	3.3	3.9	4.7	6.3	86
7.7	5.4	2.0	11.1	29.2	6.6	3.5	4.4	6.8	8.0	87
2.1	-	*	4.2	9.1	8.8	-	*	9.0	9.2	88
19.8	28.9	9.9	22.8	37.3	5.2	3.6	4.5	5.7	7.6	89
2.4	*	1.1	3.9	9.5	6.7	*	4.2	6.7	7.9	90
34.6	11.8	14.1	47.7	136.1	7.5	4.5	4.3	7.2	9.5	91
183.6	79.1	124.2	261.5	485.5	6.3	3.6	4.9	6.6	8.2	92
1.1	*	2.0	*	-	1.5	*	1.5	*	-	93
5.8	4.5	5.3	7.4	7.7	3.6	2.5	3.6	3.7	4.6	94
7.2	3.0	3.9	11.8	20.5	6.3	8.1	4.6	6.5	6.9	95
4.9	*	1.5	8.4	22.2	7.9	*	5.7	7.5	8.8	96
5.2	*	3.3	7.7	17.7	7.9	*	5.7	8.2	9.5	97
3.8	*	2.6	5.8	12.0	5.9	*	4.3	5.2	7.8	98
11.3	3.2	9.4	19.0	21.7	4.7	2.9	4.0	5.2	5.6	99
2.7	*1.3	2.1	3.3	6.9	6.0	*5.4	3.7	8.1	7.5	100

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Diagnostic category and ICD-9-CM code		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
Chapter 9. Diseases of the digestive system—Con.						
101	Acute appendicitis without mention of peritonitis 540.9	169	41	108	14	*6
102	Other appendicitis and other diseases of the appendix 540.0-540.1, 541-543	101	28	50	14	*9
103	Inguinal hernia 550	440	58	125	131	125
104	Other hernia of abdominal cavity 551-553	254	11	61	98	85
105	Regional enteritis and idiopathic proctocolitis 555-556	64	*	35	14	13
106	Other noninfectious gastroenteritis and colitis 558	476	169	140	74	93
107	Intestinal obstruction without mention of hernia 560	196	*7	31	48	109
108	Diverticula of intestine 562	188	-	13	60	115
109	Other functional digestive disorders of intestines 564	110	*8	45	26	30
110	Anal fissure, fistula, and abscess 565-566	84	*	44	27	11
111	Other disorders of intestine and peritoneum 557, 567-569	157	*7	47	38	65
112	Chronic liver disease and cirrhosis 571	82	*	22	36	22
113	Other diseases of the liver 570, 572-573	61	*	16	23	21
114	Cholelithiasis 574	488	*	177	155	155
115	Cholecystitis 575.0-575.1	85	-	30	26	29
116	Other disorders of gallbladder and biliary tract 575.2-576	38	*	8	11	19
117	Diseases of the pancreas 577	131	*	53	43	33
118	Gastrointestinal hemorrhage and intestinal malabsorption 578-579	194	*	29	46	115
119	Chapter 10. Diseases of the genitourinary system 580-629	3,116	134	1,460	753	769
120	Nephritis, nephrotic syndrome, and nephrosis 580-589	141	*9	32	33	67
121	Infections of kidney 590	131	12	67	21	31
122	Calculus of kidney and ureter 592	328	*	149	126	52
123	Cystitis 595	64	*	14	17	29
124	Urethral stricture 598	54	11	12	14	17
125	Other disorders of urinary system 591, 593-594, 596-597, 599	465	43	96	94	231
126	Hyperplasia of prostate 600	270	*	*	77	190
127	Other disorders of the male genital organs 601-608	181	36	57	55	33
128	Benign mammary dysplasia 610	80	*	34	35	10
129	Inflammatory disease of breast 611	76	*	40	23	10
130	Cervicitis and endocervicitis 616.0	8	-	*7	*	*
131	Other inflammatory disease of female pelvic organs 614-615, 616.1-616.9	261	*	242	11	*
132	Endometriosis 617	127	*	109	18	*
133	Genital prolapse (female) 618	160	-	56	60	45
134	Disorders of menstruation and other abnormal vaginal bleeding 626	254	*	191	59	*
135	Menopausal and postmenopausal disorders 627	47	-	*	30	16
136	Other disruptions of the female genital tract 619-625, 628-629	470	10	353	77	30
137	Chapter 11. Complications of pregnancy, childbirth, and the puerperium ¹ 630-676	969	*6	960	*	...
138	Ectopic pregnancy 633	72	*	72	*	...
139	Induced abortion 635-636	74	*	73	*	...
140	Other pregnancy with abortive outcome 630-632, 634, 637-639	272	*	268	*	...
141	Antepartum hemorrhage, abruption placentae, and placenta previa 641	37	-	37	-	...
142	Hypertension complicating pregnancy, childbirth, and the puerperium 642	40	*	39	-	...
143	False labor 644.1	102	*	102	-	...
144	Fetopelvic disproportion 653.4	...	...	...	...	...
145	Uterine scar from previous surgery 654.2	*5	-	*5	-	...
146	Rupture of membranes 658.1-658.3	10	-	10	-	...
147	Umbilical cord complications 663	...	...	...	...	...
148	Trauma to perineum and vulva during delivery 664	*	-	*	-	...
149	Other complications of pregnancy 640, 643-644.0, 644.2-648, 651-653.3, 653.5-654.1, 654.3-658.0, 658.4-662, 665-676	354	*	352	*	...
150	Delivery without mention of complication 650	...	...	...	...	...
151	Complications of delivery 640-648, 651-676, with 5th digit 1 or 2	...	...	...	...	...

¹First-listed diagnosis for females with deliveries is V27, shown under "Supplementary classification of factors influencing health status."

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<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
7.2	7.9	9.9	3.1	*2.1	4.0	3.5	4.0	4.6	*6.3	101
4.3	5.4	4.5	3.2	*3.2	7.0	6.3	6.1	8.9	*10.8	102
18.8	11.3	11.4	29.4	44.5	3.8	1.9	2.9	4.0	5.2	103
10.8	2.0	5.6	21.8	30.2	5.8	2.6	4.8	5.6	7.2	104
2.7	*	3.2	3.1	4.7	10.6	*	10.5	10.8	10.7	105
20.3	32.7	12.7	16.6	33.2	4.1	3.3	3.5	5.1	5.8	106
8.3	*1.4	2.9	10.7	39.0	9.3	*4.0	6.7	9.7	10.2	107
8.0	-	1.2	13.5	41.0	7.9	-	6.7	7.8	8.1	108
4.7	*1.6	4.1	5.8	10.9	5.8	*5.1	5.2	6.1	6.7	109
3.6	*	4.0	6.0	4.1	4.4	*	3.9	4.2	6.8	110
6.7	*1.4	4.3	8.6	23.1	8.4	*3.5	5.9	8.8	10.6	111
3.5	*	2.0	8.1	7.9	10.4	*	8.6	11.1	11.4	112
2.6	*	1.5	5.1	7.5	10.0	*	7.7	9.7	12.3	113
20.8	*	16.1	34.7	55.2	7.6	*	6.2	7.3	9.7	114
3.6	-	2.7	5.8	10.4	8.1	-	6.3	7.7	10.2	115
1.6	*	0.7	2.3	6.9	9.6	*	5.8	7.8	11.8	116
5.6	*	4.9	9.6	11.9	8.1	*	7.1	7.9	9.9	117
8.3	*	2.7	10.3	41.0	7.4	*	4.5	6.9	8.4	118
132.9	26.0	132.8	168.3	274.1	5.4	3.6	4.4	5.2	7.7	119
6.0	*1.7	2.9	7.4	24.0	11.2	*7.3	9.8	10.5	12.6	120
5.6	2.2	6.1	4.6	11.2	6.3	5.0	5.1	6.7	8.9	121
14.0	*	13.5	28.2	18.5	4.2	*	3.3	4.2	6.7	122
2.7	*	1.3	3.9	10.3	5.2	*	3.6	5.1	6.4	123
2.3	2.0	1.1	3.2	6.1	4.0	1.3	3.9	4.3	5.5	124
19.8	8.4	8.8	21.0	82.5	6.6	4.9	5.1	5.8	7.9	125
11.5	*	*	17.3	67.7	7.3	*	*	6.1	7.8	126
7.7	7.0	5.1	12.4	11.8	3.5	1.8	3.5	3.8	4.9	127
3.4	*	3.1	7.9	3.7	2.5	*	2.3	2.7	2.3	128
3.2	*	3.7	5.2	3.7	3.3	*	3.0	3.6	3.6	129
0.4	-	*0.6	*	*	4.2	-	*4.0	*	*	130
11.1	*	22.0	2.6	*	5.0	*	4.9	6.5	*	131
5.4	*	9.9	3.9	*	5.7	*	5.5	6.7	*	132
6.8	-	5.1	13.4	15.9	6.6	-	5.9	7.1	7.0	133
10.8	*	17.3	13.3	*	3.5	*	3.4	3.9	*	134
2.0	-	*	6.7	5.6	2.8	-	*	2.4	3.6	135
20.1	1.9	32.1	17.1	10.9	4.7	2.6	4.4	5.5	6.7	136
41.3	*1.2	87.3	*	...	2.6	*6.2	2.6	*	...	137
3.1	*	6.5	*	...	4.6	*	4.6	*	...	138
3.2	*	6.6	*	...	1.6	*	1.5	*	...	139
11.6	*	24.4	*	...	1.9	*	1.9	*	...	140
1.6	-	3.3	-	...	2.8	-	2.8	-	...	141
1.7	*	3.6	-	...	3.5	*	3.5	-	...	142
4.4	*	9.3	-	...	1.3	*	1.3	-	...	143
...	...	...	...	...	...	...	...	...	...	144
0.2	-	0.5	-	...	*2.0	-	*2.0	-	...	145
0.4	-	0.9	-	...	2.6	-	2.6	-	...	146
...	...	...	...	...	...	...	...	...	...	147
*	-	*	-	...	*	-	*	-	...	148
15.1	*	32.0	*	...	3.3	*	3.3	*	...	149
...	...	...	...	...	...	...	...	...	...	150
...	...	...	...	...	...	...	...	...	...	151

Table 1. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
152	Chapter 12. Diseases of the skin and subcutaneous tissue 680-709	568	60	205	147	156
153	Cellulitis and abscess, except of digit 682	238	25	77	66	70
154	Pilonidal cyst 685	36	*	33	*	*
155	Other infections of the skin and subcutaneous tissue . . . 680-681, 683-684, 686	57	10	19	16	12
156	Other diseases of the skin and subcutaneous tissue . . . 690-709	236	24	76	62	74
157	Chapter 13. Diseases of the musculoskeletal system and connective tissue 710-739	2,375	68	925	755	627
158	Rheumatoid arthritis, except spine 714	73	*	13	33	25
159	Osteoarthritis and allied disorders, except spine 715	208	*	12	68	128
160	Internal derangement of knee joint 717	62	*	43	13	*
161	Other arthropathies and related disorders 710-713, 716, 718-719	192	14	93	47	38
162	Spondylosis and allied disorders 721	133	*	22	57	54
163	Derangement and displacement of lumbar disc 722.10, 722.32, 722.52, 722.73, 722.83, 722.93	398	*	221	135	41
164	Derangement and displacement of other intervertebral disc 722.0, 722.11-722.31, 722.39-722.51, 722.6-722.72, 722.80-722.82, 722.90-722.92	111	*	50	48	12
165	Other dorsopathies 720, 723-724	338	*	154	107	76
166	Bursitis and synovitis, except spine 726-727.0, 727.2-727.3	130	*8	49	53	21
167	Bunion and deformities of toe 727.1, 735	191	*	73	74	40
168	Disorders of bone and cartilage 730-733	287	18	75	59	134
169	Other diseases of the musculoskeletal system and connective tissue 725, 727.4-729, 734, 736-739	251	16	119	62	53
170	Chapter 14. Congenital anomalies 740-759	317	166	81	43	26
171	Congenital anomaly of heart and circulatory system 745-747	76	43	17	10	*7
172	Other congenital anomalies 740-744, 748-759	241	124	65	33	19
173	Chapter 15. Certain conditions originating in the perinatal period 760-779	167	166	*	-	*
174	Chapter 16. Symptoms, signs, and ill-defined conditions 780-799	520	93	209	140	79
175	Convulsions 780.3	61	27	22	*8	*
176	Chest pain 786.5	82	-	30	41	12
177	Abdominal pain 789.0	90	16	51	14	*8
178	Other symptoms, signs, and ill-defined conditions . . . 780.0-780.2, 780.4-786.4, 786.6-788, 789.1-799	288	50	106	78	56
179	Chapter 17. Injury and poisoning 800-999	3,472	438	1,622	596	816
180	Fracture of skull and face bones 800-803	138	30	88	9	10
181	Fracture of vertebral column 805-806	55	*	29	*8	17
182	Fracture of radius and ulna 813	118	35	37	19	27
183	Fracture of neck of femur 820	244	*	11	25	205
184	Other fractures 804, 807-812, 814-819, 821-829	559	77	222	100	161
185	Dislocation without fracture 830-839	163	*7	107	35	14
186	Sprains and strains of back (including neck) 846-847	269	*	168	70	28
187	Concussion (excluding those with skull fracture) 850	146	37	78	15	16
188	Intracranial injury, except concussion (excluding those with skull fracture) 851-854	124	31	63	10	20
189	Internal injury of chest, abdomen, and pelvis 860-869	91	11	61	12	*7
190	Laceration and open wound of eye, ear, and head 870-873	90	18	47	12	13
191	Laceration and open wound of other locations 874-904	225	27	157	29	13
192	Late effects of injuries, poisonings, toxic effects, and other external causes 905-909	55	*5	31	11	*8
193	Burns 940-949	86	24	43	13	*5
194	Other injury 840-845, 848, 910-939, 950-959	427	49	213	79	86
195	Poisoning by drugs, medicinal agents, and biological substances 960-979	169	18	95	24	31
196	Toxic effects of substances chiefly nonmedicinal as to source 980-989	60	17	28	10	*6

Table 1. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
24.2	11.6	18.7	32.8	55.7	8.0	4.0	6.0	8.5	11.7	152
10.2	4.9	7.0	14.8	24.8	8.1	4.4	6.0	8.7	11.3	153
1.5	*	3.0	*	*	3.2	*	3.2	*	*	154
2.4	1.9	1.7	3.7	4.4	7.3	4.3	5.8	9.1	9.7	155
10.1	4.7	6.9	13.9	26.4	8.7	3.5	7.3	8.2	12.4	156
101.3	13.1	84.1	169.0	223.6	7.0	5.5	5.6	6.9	9.3	157
3.1	*	1.2	7.3	9.0	8.9	*	8.9	8.9	9.4	158
8.9	*	1.1	15.2	45.7	10.2	*	5.0	9.1	11.4	159
2.7	*	3.9	2.9	*	3.0	*	2.7	3.4	*	160
8.2	2.7	8.5	10.5	13.5	7.1	6.6	5.0	8.0	11.0	161
5.7	*	2.0	12.7	19.3	7.5	*	5.4	7.6	8.2	162
17.0	*	20.1	30.2	14.7	7.8	*	7.2	8.1	9.4	163
4.7	*	4.6	10.7	4.3	6.9	*	6.3	7.4	7.5	164
14.4	*	14.0	23.9	27.2	7.2	*	6.4	7.2	8.8	165
5.6	*1.6	4.4	11.8	7.4	3.8	*3.5	3.2	3.8	5.2	166
8.1	*	6.7	16.5	14.1	3.2	*	2.8	3.3	4.0	167
12.2	3.5	6.8	13.3	47.9	9.3	8.4	7.2	7.9	11.2	168
10.7	3.1	10.9	13.9	18.8	4.6	3.4	3.9	4.8	6.1	169
13.5	32.1	7.4	9.7	9.4	6.0	5.7	4.4	8.3	9.6	170
3.3	8.2	1.5	2.3	*2.5	6.3	6.2	4.7	7.6	*9.7	171
10.3	23.9	5.9	7.4	6.9	5.9	5.5	4.3	8.5	9.6	172
7.1	32.1	*	-	*	12.2	12.2	*	-	*	173
22.2	17.9	19.0	31.4	28.0	4.1	3.1	3.6	4.7	5.6	174
2.6	5.2	2.0	*1.8	*	3.0	2.6	3.0	*3.6	*	175
3.5	-	2.7	9.1	4.1	2.8	-	2.6	2.9	3.1	176
3.8	3.1	4.7	3.1	*3.0	2.9	2.1	3.1	3.2	*2.7	177
12.3	9.6	9.6	17.3	19.8	5.1	3.7	4.4	6.0	6.7	178
148.1	84.7	147.5	133.3	291.1	6.8	3.9	5.4	7.2	11.0	179
5.9	5.8	8.0	2.1	3.7	4.9	3.6	4.2	6.8	12.0	180
2.3	*	2.7	*1.7	6.0	12.6	*	11.7	*12.1	13.6	181
5.0	6.8	3.3	4.3	9.5	4.3	2.1	4.9	4.5	6.5	182
10.4	*	1.0	5.5	73.2	15.8	*	17.5	13.6	15.9	183
23.9	14.9	20.2	22.3	57.3	8.3	5.6	7.4	8.2	11.0	184
7.0	*1.3	9.8	7.9	4.9	3.6	*2.8	3.4	3.5	5.9	185
11.5	*	15.3	15.7	9.9	6.4	*	6.1	7.1	7.5	186
6.2	7.1	7.1	3.3	5.6	3.8	1.9	3.1	5.1	10.5	187
5.3	6.0	5.7	2.3	7.0	7.0	3.3	7.8	9.6	8.8	188
3.9	2.0	5.6	2.7	*2.6	7.1	4.3	7.2	8.5	*8.5	189
3.8	3.6	4.2	2.8	4.5	3.7	2.6	3.2	5.1	6.0	190
9.6	5.1	14.3	6.5	4.5	4.8	4.6	4.5	5.7	7.8	191
2.3	*1.0	2.8	2.4	*2.9	7.4	*5.6	5.8	8.3	*13.3	192
3.6	4.7	3.9	2.9	*1.8	10.8	7.9	11.1	10.6	*22.7	193
18.2	9.4	19.4	17.8	30.6	4.3	2.3	3.5	4.7	7.2	194
7.2	3.5	8.7	5.3	11.1	4.8	2.1	3.9	7.7	7.0	195
2.6	3.2	2.5	2.2	*2.0	2.8	2.2	2.3	3.5	*5.7	196

Table 1. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Diagnostic category and ICD-9-CM code</i>		<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>
		Number in thousands				
Chapter 17. Injury and poisoning—Con.						
197	Other and unspecified effects of external causes 990-995	105	22	36	21	26
198	Other complications of surgical and medical care 996-999	349	23	107	94	125
199	Supplementary classification of factors influencing health status V01-V82	4,308	66	4,119	81	42
200	Persons with potential health hazards related to personal and family history V10-V19	85	17	29	25	14
201	Persons admitted for sterilization V25.2	113	-	111	*	-
202	Females with deliveries V27	3,853	13	3,836	*	-
203	Other factors influencing health status and contact with health services V01-V07, V20-V25.1, V25.3-V26, V28, V30-V39 (with 3rd digit 1 or 2), V40-V82	257	36	143	50	28

Table 1. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
4.5	4.3	3.2	4.6	9.3	4.1	2.9	2.9	5.1	6.1	197
14.9	4.4	9.7	21.0	44.7	8.5	5.8	6.3	8.9	10.6	198
183.8	12.8	374.6	18.2	15.0	3.4	3.3	3.4	4.0	5.0	199
3.6	3.3	2.6	5.7	5.1	4.5	2.8	5.1	4.5	5.0	200
4.8	-	10.1	*	-	1.8	-	1.9	*	-	201
164.4	2.6	348.9	*	-	3.4	3.2	3.4	*	-	202
11.0	7.0	13.0	11.2	9.9	3.2	3.6	2.6	3.8	5.0	203

Table 2. Number, discharge rate, and average length of stay of male patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Male				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
		Number in thousands				
01	All categories.	14,899	1,831	4,305	3,964	4,799
02	Chapter 1. Infectious and parasitic diseases 001-139	301	101	95	42	64
03	Viral diseases 045-079, 138, 139.0-139.1	119	46	44	13	16
04	Other infectious and parasitic diseases 001-041, 080-137, 139.8	182	55	51	28	48
05	Chapter 2. Neoplasms 140-239	1,060	35	106	341	579
06	Malignant neoplasms, carcinoma-in-situ 140-208, 230-234	943	21	80	308	534
07	Malignant neoplasm of lip, oral cavity, and pharynx 140-149	31	-	*	17	12
08	Malignant neoplasm of large intestine and rectum 153-154, 197.5	96	-	*	28	66
09	Malignant neoplasm of other digestive organs and peritoneum 150-152, 155-159, 197.4, 197.6-197.8	86	*	*	33	48
10	Malignant neoplasm of trachea, bronchus, and lung 162, 197.0, 197.3	214	-	*7	97	109
11	Malignant neoplasm of bone, connective tissue, and skin 170-173, 198.2, 198.5	47	*	11	12	22
12	Malignant neoplasm of breast 174-175, 198.81	*	-	-	*	*
13	Malignant neoplasm of female genital organs 179-184, 198.6	...	...	...	...	...
14	Malignant neoplasm of prostate 185	134	*	*	26	106
15	Malignant neoplasm of urinary organs 188, 189, 198.0-198.1	83	*	*	21	58
16	Leukemia 204-208	34	*	*7	*5	17
17	Other malignant neoplasm of hematopoietic tissue 196, 200-203	75	*6	13	22	33
18	Malignant neoplasm of other and unspecified sites, carcinoma-in-situ 160-161, 163-165, 186-187, 190-195, 197.1-197.2, 198.3-198.4, 198.7, 198.82-199, 230-234	140	*6	27	45	61
19	Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229, 235-239	118	14	26	33	45
20	Benign neoplasm of the digestive system 210-211	29	*	*	9	15
21	Benign neoplasm of bone and connective tissue 213-215	20	*	9	6	*
22	Benign neoplasm of the breast 217	*	-	*	*	*
23	Benign neoplasm of the uterus 218-219	...	...	...	...	...
24	Benign neoplasm of other female genital organs 220-221	...	...	...	...	...
25	Other benign neoplasms and neoplasms of uncertain behavior and unspecified nature 212, 216, 222-229, 235-239	67	8	13	17	29
26	Chapter 3. Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	427	37	112	118	159
27	Diseases of the thyroid gland 240-246	10	*	*	*	*
28	Diabetes mellitus without complication 250.0	86	*	20	33	28
29	Diabetes mellitus with complication 250.1-250.9	152	*	54	47	47
30	Other diseases of the endocrine glands 251-259	30	*	*6	*10	*10
31	Obesity 278.0	*5	*	*	*	*
32	Other nutritional deficiencies and metabolic and immunity disorders 260-277, 278.1-279	143	23	26	22	71
33	Chapter 4. Diseases of the blood and blood-forming organs 280-289	152	30	44	20	57
34	Anemias 280-285	101	13	30	14	44
35	Other diseases of the blood and blood-forming organs 286-289	51	17	14	*6	*13
36	Chapter 5. Mental disorders 290-319	875	27	526	217	105
37	Organic psychotic conditions 290-294	70	*	26	22	21
38	Schizophrenic disorders 295	89	*	75	*12	*
39	Other psychoses 296-299	124	*	65	31	24
40	Anxiety states 300.0	18	*	10	*5	*
41	Other neuroses and personality disorders 300.1-301	59	*	36	16	*5
42	Alcohol dependence syndrome 303	288	*	170	95	22
43	Drug dependence 304	34	*	29	*	*
44	Nondependent abuse of drugs (including alcohol) 305	55	*	43	*7	*
45	Other mental disorders and mental retardation 302, 306-319	137	16	70	25	26

Table 2. Number, discharge rate, and average length of stay of male patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Male—Con.										
<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
1,316.2	691.7	795.8	1,858.5	4,247.5	7.0	4.4	6.0	7.1	8.8	01
26.6	38.1	17.6	19.5	56.3	6.9	4.0	6.6	8.4	11.1	02
10.5	17.4	8.2	6.2	13.7	4.5	3.2	4.9	5.6	6.7	03
16.1	20.6	9.4	13.3	42.6	8.4	4.6	8.0	9.8	12.5	04
93.7	13.1	19.6	159.6	512.3	9.6	5.5	7.8	9.4	10.4	05
83.3	8.0	14.7	144.4	472.2	10.1	6.7	9.1	9.7	10.7	06
2.7	-	*	8.2	10.3	11.4	-	*	8.1	16.5	07
8.5	-	*	12.9	58.2	12.8	-	*	12.4	12.4	08
7.6	*	*	15.3	42.3	13.3	*	*	13.6	13.1	09
18.9	-	*1.4	45.7	96.8	9.4	-	*4.3	8.1	10.8	10
4.2	*	2.0	5.7	19.1	7.8	*	7.1	6.2	9.5	11
*	-	-	*	*	*	-	-	*	*	12
...	...	...	...	...	...	...	...	...	...	13
11.8	*	*	12.2	93.6	9.1	*	*	9.4	9.0	14
7.3	*	*	10.0	51.4	7.6	*	*	6.4	8.0	15
3.0	*	*1.3	*2.3	14.9	12.3	*	*18.1	*17.7	9.3	16
6.6	*2.4	2.5	10.4	29.2	9.8	*2.5	6.2	10.3	12.2	17
12.4	*2.1	5.0	21.1	54.0	10.2	*10.0	7.7	11.0	11.0	18
10.4	5.1	4.8	15.3	40.1	5.6	3.4	3.7	6.5	6.6	19
2.6	*	*	4.2	13.5	4.6	*	*	4.5	5.1	20
1.8	*	1.7	2.6	*	4.0	*	3.8	3.5	*	21
*	-	*	*	*	*	-	*	*	*	22
...	...	...	...	...	...	...	...	...	...	23
...	...	...	...	...	...	...	...	...	...	24
5.9	3.2	2.4	8.0	25.7	6.5	3.6	3.8	8.7	7.1	25
37.7	14.0	20.8	55.3	140.7	7.5	5.1	5.6	7.7	9.2	26
0.9	*	*	*	*	5.0	*	*	*	*	27
7.6	*	3.7	15.5	25.0	6.3	*	5.3	6.0	6.9	28
13.5	*	10.0	22.1	41.6	8.7	*	5.5	10.1	11.3	29
2.7	*	*1.2	*4.5	*9.2	6.2	*	*3.8	*6.5	*8.3	30
0.4	*	*	*	*	6.2	*	*	*	*	31
12.6	8.8	4.8	10.4	63.1	7.4	4.6	6.5	6.4	8.9	32
13.4	11.4	8.2	9.4	50.5	5.7	3.4	5.6	7.0	6.7	33
8.9	5.0	5.5	6.6	38.8	5.9	3.4	5.9	7.1	6.4	34
4.5	6.4	2.7	*2.8	*11.6	5.3	3.4	4.9	*6.6	*7.6	35
77.3	10.3	97.2	101.7	92.8	11.5	17.1	11.4	10.4	12.2	36
6.2	*	4.8	10.5	18.9	9.3	*	6.1	7.5	15.0	37
7.9	*	13.9	*5.7	*	16.9	*	17.2	*15.9	*	38
11.0	*	12.0	14.7	21.5	14.6	*	13.9	15.7	13.3	39
1.6	*	1.9	*2.3	*	4.4	*	4.4	*5.0	*	40
5.2	*	6.7	7.4	*4.3	11.8	*	11.6	10.2	*10.1	41
25.5	*	31.5	44.4	19.7	10.4	*	10.4	9.6	13.4	42
3.0	*	5.4	*	*	15.0	*	15.3	*	*	43
4.9	*	8.0	*3.4	*	7.7	*	8.1	*7.1	*	44
12.1	6.1	12.9	11.7	22.9	9.8	15.3	8.9	8.8	9.8	45

Table 2. Number, discharge rate, and average length of stay of male patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Male				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
Number in thousands						
46	Chapter 6. Diseases of the nervous system and sense organs. 320-389	709	144	155	148	262
47	Epilepsy. 345	41	*7	15	*9	*10
48	Other disorders of the central nervous system 320-336, 340-344, 346-349	170	27	51	36	57
49	Disorders of the peripheral nervous system 337, 350-359	64	*	24	23	15
50	Cataract. 366	165	*	*5	33	126
51	Other disorders of the eye. 360-365, 367-379	110	19	30	27	35
52	Otitis media and eustachian tube disorders. 381-382	96	80	7	*6	*
53	Other diseases of the ear and mastoid process 380, 383-389	63	8	23	15	17
54	Chapter 7. Diseases of the circulatory system. 390-459	2,856	19	307	1,059	1,471
55	Essential hypertension 401	110	*	23	53	33
56	Heart disease. 391-392.0, 393-398, 402, 404, 410-429	1,905	9	177	770	949
57	Hypertensive heart disease 402, 404	40	-	*	16	21
58	Acute myocardial infarction 410	435	*	36	188	210
59	Other acute and subacute forms of ischemic heart disease . . 411	139	-	*13	67	60
60	Angina pectoris. 413	151	-	17	76	59
61	Coronary atherosclerosis. 414.0	225	*	14	101	110
62	Other chronic ischemic heart disease. 412, 414.1-414.9	245	*	25	132	87
63	Pulmonary heart disease. 415-416	37	*	*	13	19
64	Cardiac dysrhythmias 427	219	*	20	69	127
65	Congestive heart failure 428.0	228	*	*7	48	172
66	Cardiovascular disease, unspecified. 429.2	32	-	*	12	18
67	Other heart disease. 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9	155	*	36	48	66
68	Intracranial hemorrhage 430-432	30	*	*5	*8	17
69	Occlusion of cerebral arteries 434	59	*	*	17	40
70	Transient cerebral ischemia. 435	105	*	*	29	72
71	Acute, but ill-defined, cerebrovascular disease 436	130	*	*	26	102
72	Other cerebrovascular disease. 433, 437-438	96	*	*	25	68
73	Atherosclerosis 440	34	*	*	9	22
74	Aneurysm 441-442	52	-	*	13	37
75	Other diseases of arteries, arterioles, and capillaries . . . 443-448	99	*	*7	34	57
76	Phlebitis and thrombophlebitis 451	44	*	11	14	18
77	Varicose veins of lower extremities. 454	19	-	*7	8	*
78	Hemorrhoids 455	63	-	29	24	10
79	Other diseases of the circulatory system 390, 392.9, 403, 405, 417, 452-453, 456-459	109	*	34	29	42
80	Chapter 8. Diseases of the respiratory system. 460-519	1,654	504	295	312	543
81	Acute bronchitis and bronchiolitis. 466	105	43	10	20	31
82	Other acute upper respiratory infections, except influenza. 460-465	102	69	21	6	*5
83	Deviated nasal septum 470	62	*	40	15	*5
84	Chronic disease of tonsils and adenoids. 474	142	110	30	*	*
85	Pneumonia, all forms. 480-486	424	128	54	65	177
86	Influenza 487	28	*5	9	*5	10
87	Bronchitis, chronic and unspecified. 490-491	93	16	9	25	41
88	Emphysema. 492	32	-	*	11	19
89	Asthma 493	197	95	33	36	33
90	Pleurisy 511	23	*	*5	*8	11
91	Other diseases of the respiratory system 471-473, 475-478, 494-496, 500-510, 512-519	448	35	82	120	211
92	Chapter 9. Diseases of the digestive system. 520-579	2,013	239	631	570	573
93	Disturbance of tooth eruption. 520.6	9	*	8	*	-
94	Other diseases of the teeth, jaw, and mouth 520.0-520.5, 520.7-529	59	13	24	14	*8
95	Diseases of the esophagus 530	78	*8	24	24	22
96	Gastric ulcer 531	53	*	8	20	25
97	Duodenal ulcer 532	77	*	25	22	29
98	Other and unspecified peptic ulcer 533-534	48	*	17	16	14
99	Gastritis and duodenitis 535	108	*7	45	34	22
100	Other diseases of the stomach. 536-537	25	*	10	*	*7

Table 2. Number, discharge rate, and average length of stay of male patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Male—Con.</i>										
<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
62.6	54.2	28.7	69.6	231.8	5.1	3.8	5.3	5.4	5.7	46
3.6	*2.6	2.7	*4.2	*9.1	4.7	*3.5	3.4	*5.2	*6.8	47
15.0	10.1	9.4	16.7	50.2	11.1	8.3	9.4	11.3	13.8	48
5.7	*	4.5	10.8	13.0	4.6	*	3.3	4.7	6.6	49
14.6	*	*0.9	15.5	111.7	2.2	*	*2.7	2.2	2.2	50
9.8	7.1	5.5	12.7	30.8	3.6	2.7	3.7	3.5	4.1	51
8.4	30.2	1.4	*2.8	*	2.7	2.7	2.4	*3.8	*	52
5.6	3.2	4.2	6.8	14.9	3.8	2.6	2.8	3.3	6.3	53
252.3	7.1	56.7	496.7	1,301.9	7.9	5.6	6.1	7.3	8.7	54
9.8	*	4.3	24.8	29.3	5.4	*	4.3	5.1	6.8	55
168.3	3.5	32.7	361.1	839.6	7.5	7.1	6.2	7.1	8.1	56
3.5	-	*	7.7	18.3	6.1	-	*	5.1	7.0	57
38.4	*	6.7	88.3	185.6	9.5	*	8.0	9.2	10.0	58
12.3	-	*2.3	31.2	52.8	5.8	-	*6.1	5.6	5.8	59
13.4	-	3.1	35.6	52.1	4.5	-	3.3	4.1	5.5	60
19.9	*	2.6	47.3	97.7	7.2	*	4.9	6.8	7.8	61
21.6	*	4.7	61.8	77.4	6.5	*	5.6	6.4	6.9	62
3.2	*	*	6.3	16.8	9.5	*	*	9.0	10.2	63
19.3	*	3.8	32.2	112.6	6.7	*	3.7	6.5	7.3	64
20.1	*	*1.3	22.6	151.8	8.2	*	*6.2	8.1	8.3	65
2.8	-	*	5.4	16.3	6.9	-	*	6.5	7.4	66
13.7	*	6.7	22.7	58.1	8.4	*	8.1	7.8	9.0	67
2.7	*	*0.9	*3.8	15.1	12.1	*	*10.8	*11.8	12.5	68
5.2	*	*	8.0	35.4	11.3	*	*	11.8	11.1	69
9.3	*	*	13.4	63.9	5.9	*	*	5.0	6.3	70
11.5	*	*	12.0	89.9	12.3	*	*	13.5	12.1	71
8.5	*	*	11.7	59.8	9.1	*	*	8.8	9.1	72
3.0	*	*	4.4	19.7	11.3	*	*	10.9	12.1	73
4.6	-	*	6.2	33.1	11.4	-	*	10.4	11.8	74
8.8	*	*1.3	15.9	50.6	9.7	*	*7.7	8.7	10.5	75
3.8	*	2.0	6.7	16.2	8.4	*	7.6	7.7	9.4	76
1.7	-	*1.4	3.6	*	7.9	-	*4.3	7.5	*	77
5.6	-	5.4	11.4	8.5	4.8	-	4.3	4.9	6.4	78
9.6	*	6.2	13.6	36.9	8.0	*	5.8	7.5	10.7	79
146.1	190.2	54.5	146.3	481.0	5.9	3.3	4.1	6.6	8.9	80
9.3	16.4	1.8	9.5	27.8	5.3	3.9	4.1	6.1	7.2	81
9.0	26.1	3.9	2.9	*4.8	3.3	2.8	3.9	4.6	*5.3	82
5.4	*	7.4	6.9	*4.2	2.0	*	2.0	2.0	*2.4	83
12.5	41.6	5.6	*	*	1.6	1.6	1.7	*	*	84
37.4	48.2	10.0	30.6	156.3	7.3	4.6	6.2	7.8	9.4	85
2.5	*1.8	1.6	*2.3	8.6	4.5	*3.2	4.1	*4.8	5.5	86
8.2	6.2	1.7	11.8	36.6	6.5	3.3	4.5	7.1	7.9	87
2.8	-	*	5.0	17.0	8.0	-	*	7.1	8.7	88
17.4	36.0	6.0	16.7	29.4	4.6	3.4	4.6	5.4	7.1	89
2.1	*	*0.9	*3.7	9.3	6.8	*	*5.3	*7.2	7.1	90
39.6	13.1	15.2	56.3	186.7	7.6	4.6	4.3	7.0	9.6	91
177.8	90.4	116.6	267.5	506.8	6.0	3.4	4.7	6.4	8.1	92
0.8	*	1.4	*	-	1.5	*	1.5	*	-	93
5.2	4.9	4.5	6.6	*7.0	3.3	2.6	3.6	3.0	*3.7	94
6.9	*3.0	4.5	11.1	19.5	6.1	*11.0	4.5	5.1	7.0	95
4.7	*	1.4	9.3	22.4	7.6	*	6.1	7.4	8.3	96
6.8	*	4.7	10.4	25.6	8.4	*	5.6	9.5	10.2	97
4.3	*	3.2	7.3	12.7	5.8	*	5.0	5.0	7.6	98
9.5	*2.5	8.4	15.9	19.6	4.5	*2.6	3.6	4.8	6.2	99
2.2	*	1.8	*	*6.3	4.9	*	3.3	*	*7.1	100

Table 2. Number, discharge rate, and average length of stay of male patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Male				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
		Number in thousands				
Chapter 9. Diseases of the digestive system—Con.						
101	Acute appendicitis without mention of peritonitis 540.9	100	25	62	*9	*
102	Other appendicitis and other diseases of the appendix 540.0-540.1, 541-543	54	18	25	*8	*
103	Inguinal hernia 550	390	53	109	118	111
104	Other hernia of abdominal cavity 551-553	87	*5	26	35	21
105	Regional enteritis and idiopathic proctocolitis 555-556	29	*	17	*6	*5
106	Other noninfectious gastroenteritis and colitis. 558	184	88	45	23	29
107	Intestinal obstruction without mention of hernia. 560	79	*	*13	18	43
108	Diverticula of intestine 562	63	-	*7	24	32
109	Other functional digestive disorders of intestines 564	26	*	9	*5	9
110	Anal fissure, fistula, and abscess 565-566	59	*	32	18	*7
111	Other disorders of intestine and peritoneum 557, 567-569	57	*	15	15	23
112	Chronic liver disease and cirrhosis 571	46	*	15	21	11
113	Other diseases of the liver 570, 572-573	32	*	*7	15	*10
114	Cholelithiasis 574	141	*	30	58	53
115	Cholecystitis 575.0-575.1	27	-	*6	11	10
116	Other disorders of gallbladder and biliary tract 575.2-576	15	*	*	*	*11
117	Diseases of the pancreas 577	71	*	32	23	*14
118	Gastrointestinal hemorrhage and intestinal malabsorption 578-579	98	*	18	28	51
119	Chapter 10. Diseases of the genitourinary system 580-629	1,043	71	226	310	436
120	Nephritis, nephrotic syndrome, and nephrosis 580-589	73	*6	16	16	35
121	Infections of kidney 590	24	*	*8	*6	*7
122	Calculus of kidney and ureter. 592	222	*	93	97	31
123	Cystitis. 595	14	*	*	*	*8
124	Urethral stricture. 598	36	6	7	9	14
125	Other disorders of urinary system 591, 593-594, 596-597, 599	209	15	34	44	116
126	Hyperplasia of prostate 600	270	-	*	77	190
127	Other disorders of the male genital organs 601-608	181	36	57	55	33
128	Benign mammary dysplasia 610	*	-	*	-	*
129	Inflammatory disease of breast 611	13	*	*8	*	*
130	Cervicitis and endocervicitis. 616.0	...	...	...	...	...
131	Other inflammatory disease of female pelvic organs 614-615, 616.1-616.9	...	...	...	...	...
132	Endometriosis 617	...	...	...	...	...
133	Genital prolapse (female) 618	...	...	...	...	...
134	Disorders of menstruation and other abnormal vaginal bleeding 626	...	...	...	...	...
135	Menopausal and postmenopausal disorders. 627	...	...	...	...	...
136	Other disruptions of the female genital tract 619-625, 628-629	...	...	...	...	...
137	Chapter 11. Complications of pregnancy, childbirth, and the puerperium ¹ 630-676	...	...	...	...	...
138	Ectopic pregnancy 633	...	...	...	...	...
139	Induced abortion 635-636	...	...	...	...	...
140	Other pregnancy with abortive outcome. 630-632, 634, 637-639	...	...	...	...	...
141	Antepartum hemorrhage, abruptio placentae, and placenta previa. 641	...	...	...	...	...
142	Hypertension complicating pregnancy, childbirth, and the puerperium 642	...	...	...	...	...
143	False labor 644.1	...	...	...	...	...
144	Fetopelvic disproportion 653.4	...	...	...	...	...
145	Uterine scar from previous surgery. 654.2	...	...	...	...	...
146	Rupture of membranes 658.1-658.3	...	...	...	...	...
147	Umbilical cord complications 663	...	...	...	...	...
148	Trauma to perineum and vulva during delivery. 664	...	...	...	...	...
149	Other complications of pregnancy 640, 643-644.0, 644.2-644.8, 651-653.3, 653.5-654.1, 654.3-658.0, 658.4-662, 665-676	...	...	...	...	...
150	Delivery without mention of complication 650	...	...	...	...	...
151	Complications of delivery. 640-648, 651-676, with 5th digit 1 or 2	...	...	...	...	...

¹First-listed diagnosis for females with deliveries is V27, shown under "Supplementary classification of factors influencing health status."

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Male—Con.

<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
8.8	9.5	11.5	*4.3	*	3.9	3.4	3.9	*4.1	*	101
4.8	6.8	4.7	*3.6	*	6.8	6.1	6.0	*8.8	*	102
34.4	19.9	20.1	55.1	97.8	3.7	1.9	2.9	4.1	5.1	103
7.7	*1.9	4.7	16.5	18.4	5.1	*2.9	4.4	5.3	5.9	104
2.6	*	3.2	*2.7	*4.4	10.3	*	11.2	*9.9	*8.8	105
16.3	33.1	8.3	10.7	25.3	3.9	3.2	3.1	4.6	6.4	106
7.0	*	*2.4	8.5	38.4	9.4	*	*6.0	9.1	11.0	107
5.5	-	1.4	11.1	28.0	7.6	-	*7.0	7.8	7.6	108
2.3	*	1.6	*2.2	7.6	7.0	*	8.8	*5.6	7.3	109
5.2	*	6.0	8.4	*5.8	3.7	*	3.4	4.0	*5.1	110
5.0	*	2.8	7.1	20.4	9.9	*	6.8	11.2	12.3	111
4.1	*	2.7	9.7	9.6	10.3	*	8.4	11.3	10.9	112
2.8	*	*1.2	6.9	*9.1	10.4	*	*6.7	9.8	*13.9	113
12.5	*	5.5	27.0	47.2	8.1	*	6.5	7.6	9.6	114
2.3	-	*1.1	4.9	9.1	9.3	-	*5.9	9.9	10.6	115
1.3	*	*	*	*9.7	11.2	*	*	*	*12.4	116
6.2	*	5.9	10.9	*12.8	7.8	*	7.6	6.7	*9.8	117
8.6	*	3.4	13.1	44.9	7.2	*	4.4	6.9	8.4	118
92.1	26.7	41.8	145.5	385.5	5.9	3.0	4.2	5.1	7.7	119
6.5	*2.3	2.9	7.4	31.3	11.2	*6.3	10.4	10.5	12.8	120
2.1	*	*1.5	*2.6	*6.5	6.5	*	*5.9	*5.5	*8.0	121
19.6	*	17.2	45.7	27.6	4.0	*	3.2	3.9	6.4	122
1.2	*	*	*	*7.0	5.7	*	*	*	*6.9	123
3.2	2.4	1.3	4.3	12.0	4.0	1.2	4.0	4.5	4.9	124
18.4	5.8	6.2	20.6	102.4	6.5	4.6	4.8	5.7	7.6	125
23.8	-	*	36.2	168.0	7.3	-	*	6.1	7.8	126
16.0	13.7	10.5	25.9	29.2	3.5	1.8	3.5	3.8	4.9	127
*	-	*	-	*	*	-	*	-	*	128
1.1	*	*1.5	*	*	3.2	*	*2.7	*	*	129
...	130
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...	132
...	133
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[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Male				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
Number in thousands						
152	Chapter 12. Diseases of the skin and subcutaneous tissue 680-709	263	33	105	65	59
153	Cellulitis and abscess, except of digit 682	126	14	49	34	29
154	Pilonidal cyst 685	17	-	16	*	-
155	Other infections of the skin and subcutaneous tissue. 680-681, 683-684, 686	28	*6	10	*7	*
156	Other diseases of the skin and subcutaneous tissue 690-709	91	14	31	23	24
157	Chapter 13. Diseases of the musculoskeletal system and connective tissue 710-739	1,007	34	468	330	176
158	Rheumatoid arthritis, except spine 714	15	*	*	*6	6
159	Osteoarthritis and allied disorders, except spine. 715	71	*	*5	27	38
160	Internal derangement of knee joint. 717	34	*	26	*6	*
161	Other arthropathies and related disorders 710-713, 716, 718-719	88	*8	49	23	9
162	Spondylosis and allied disorders 721	59	*	*13	26	20
163	Derangement and displacement of lumbar disc. 722.10, 722.32, 722.52, 722.73, 722.83, 722.93	229	*	138	72	19
164	Derangement and displacement of other intervertebral disc. 722.0, 722.11-722.31, 722.39-722.51, 722.6-722.72, 722.80-722.82, 722.90-722.92	59	*	30	26	*
165	Other dorsopathies. 720, 723-724	146	*	69	50	26
166	Bursitis and synovitis, except spine 726-727.0, 727.2-727.3	58	*5	21	28	*
167	Bunion and deformities of toe. 727.1, 735	26	*	11	*10	*
168	Disorders of bone and cartilage 730-733	115	10	50	29	26
169	Other diseases of the musculoskeletal system and connective tissue. 725, 727.4-729, 734, 736-739	109	*7	54	28	20
170	Chapter 14. Congenital anomalies 740-759	174	104	38	20	*11
171	Congenital anomaly of heart and circulatory system 745-747	38	22	*8	*5	*
172	Other congenital anomalies 740-744, 748-759	136	83	30	15	*8
173	Chapter 15. Certain conditions originating in the perinatal period 760-779	88	88	*	*	*
174	Chapter 16. Symptoms, signs, and ill-defined conditions 780-799	245	49	92	70	34
175	Convulsions 780.3	32	16	10	*	*
176	Chest pain 786.5	47	-	19	22	*6
177	Abdominal pain 789.0	25	*	13	*5	*
178	Other symptoms, signs, and ill-defined conditions. 780.0-780.2, 780.4-786.4, 786.6-788, 789.1-799	140	29	49	38	24
179	Chapter 17. Injury and poisoning 800-999	1,892	287	1,046	306	254
180	Fracture of skull and face bones 800-803	96	21	66	*5	*
181	Fracture of vertebral column. 805-806	34	*	22	*5	*6
182	Fracture of radius and ulna 813	62	22	29	*7	*
183	Fracture of neck of femur. 820	64	*	*7	*8	47
184	Other fractures 804, 807-812, 814-819, 821-829	285	56	149	44	37
185	Dislocation without fracture 830-839	112	*5	79	24	*
186	Sprains and strains of back (including neck). 846-847	128	*	84	31	11
187	Concussion (excluding those with skull fracture). 850	81	25	45	7	*
188	Intracranial injury, except concussion (excluding those with skull fracture). 851-854	76	19	42	*6	*9
189	Internal injury of chest, abdomen, and pelvis 860-869	65	*8	46	*7	*
190	Laceration and open wound of eye, ear, and head. 870-873	59	12	34	7	*5
191	Laceration and open wound of other locations. 874-904	171	19	128	19	*5
192	Late effects of injuries, poisonings, toxic effects, and other external causes 905-909	30	*	17	*6	*
193	Burns 940-949	65	17	36	10	*
194	Other injury 840-845, 848, 910-939, 950-959	252	28	151	46	27
195	Poisoning by drugs, medicinal agents, and biological substances. 960-979	63	*9	36	*9	*10

Table 2. Number, discharge rate, and average length of stay of male patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Male—Con.</i>										
<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
23.2	12.7	19.5	30.7	52.0	7.8	4.0	6.6	8.5	11.2	152
11.2	5.3	9.0	16.1	25.6	7.8	4.6	6.3	8.3	11.2	153
1.5	-	2.9	*	-	3.5	-	3.6	*	-	154
2.5	*2.1	1.8	*3.2	*	7.1	*3.8	5.4	*10.2	*	155
8.1	5.3	5.6	10.6	21.2	8.8	3.5	9.2	8.6	11.6	156
89.0	12.7	86.4	154.8	155.5	6.5	5.7	5.5	6.6	9.3	157
1.3	*	*	*2.9	5.2	6.9	*	*	*6.5	7.4	158
6.2	*	*0.9	12.6	34.0	9.8	*	*3.6	8.7	11.3	159
3.0	*	4.9	*2.7	*	2.8	*	2.7	*3.1	*	160
7.8	*3.0	9.0	10.6	7.7	6.4	*6.9	4.3	7.4	15.6	161
5.2	*	*2.3	12.2	17.9	7.4	*	*4.9	7.5	8.8	162
20.2	*	25.4	33.5	16.9	7.2	*	6.8	7.3	9.1	163
5.2	*	5.5	12.3	*	6.3	*	6.0	6.5	*	164
12.9	*	12.8	23.4	23.2	6.5	*	5.6	6.8	8.3	165
5.1	2.0	3.8	13.0	*	3.8	3.4	3.5	3.8	*	166
2.3	*	2.1	*4.9	*	2.7	*	2.5	*2.6	*	167
10.2	3.8	9.3	13.6	23.0	8.5	8.1	7.6	8.1	10.6	168
9.6	*2.6	10.0	13.1	17.5	4.3	*3.0	3.8	4.6	5.5	169
15.4	39.3	7.0	9.5	*10.0	5.9	5.6	4.3	8.0	*9.7	170
3.3	8.2	*1.5	*2.5	*	5.7	6.0	*4.4	*7.2	*	171
12.0	31.2	5.5	7.1	*7.5	5.9	5.5	4.3	8.3	*11.2	172
7.8	33.3	*	*	*	11.1	11.1	*	*	*	173
21.6	18.5	16.9	32.8	29.9	4.0	3.1	3.5	4.5	5.2	174
2.8	5.9	1.9	*	*	2.9	2.5	2.7	*	*	175
4.2	-	3.6	10.4	*5.1	2.7	-	2.4	2.7	*3.4	176
2.2	*	2.3	*2.4	*	2.8	*	2.9	*2.7	*	177
12.4	11.0	9.1	18.0	20.9	4.8	3.4	4.3	5.7	6.0	178
167.2	108.3	193.3	143.3	225.1	6.3	4.1	5.5	7.1	11.0	179
8.4	7.9	12.2	*2.3	*	4.9	3.5	4.5	*6.1	*	180
3.0	*	4.1	*2.2	*5.6	12.9	*	12.0	*14.8	*12.2	181
5.5	8.5	5.3	*3.5	*	4.9	2.5	5.1	*6.1	*	182
5.7	*	*1.3	*3.7	41.9	16.1	*	*19.4	*18.4	15.3	183
25.2	21.1	27.5	20.5	32.5	7.8	6.3	7.4	7.6	11.6	184
9.9	2.0	14.6	11.3	*	3.6	*2.5	3.6	3.5	*	185
11.3	*	15.6	14.3	10.0	6.0	*	5.6	6.8	7.6	186
7.1	9.4	8.3	3.1	*	3.0	2.0	2.7	6.2	*	187
6.8	7.3	7.7	*3.0	*8.3	7.6	2.9	9.1	*10.0	*9.1	188
5.7	*3.0	8.5	*3.4	*	6.5	*4.0	6.6	*7.6	*	189
5.2	4.6	6.3	3.4	*4.4	3.7	2.3	3.4	3.6	*8.9	190
15.1	7.3	23.6	9.0	*4.3	4.6	4.9	4.6	4.5	*6.4	191
2.7	*	3.2	*2.9	*	8.3	*	6.9	*10.4	*	192
5.8	6.3	6.6	4.7	*	10.7	8.1	10.6	12.6	*	193
22.3	10.4	28.0	21.5	24.0	4.0	2.3	3.5	4.6	7.4	194
5.6	*3.5	6.6	*4.2	*8.6	4.5	*2.4	3.6	*5.5	*8.7	195

Table 2. Number, discharge rate, and average length of stay of male patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Diagnostic category and ICD-9-CM code</i>		<i>Male</i>				
		<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>
		Number in thousands				
Chapter 17. Injury and poisoning—Con.						
196	Toxic effects of substances chiefly nonmedicinal as to source 980-989	37	11	19	*5	*
197	Other and unspecified effects of external causes 990-995	51	13	16	*12	11
198	Other complications of surgical and medical care 996-999	161	15	41	48	57
199	Supplementary classification of factors influencing health status V01-V82	141	30	59	34	17
200	Persons with potential health hazards related to personal and family history V10-V19	40	9	14	12	6
201	Persons admitted for sterilization V25.2	*	-	*	*	-
202	Females with deliveries V27	...	...	...	...	...
203	Other factors influencing health status and contact with health services V01-V07, V20-V25.1, V25.3-V26, V28, V30-V39 (with 3rd digit 1 or 2), V40-V82	99	21	44	22	11

Table 2. Number, discharge rate, and average length of stay of male patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Male—Con.</i>										
<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
3.3	4.0	3.5	*2.4	*	2.7	1.9	2.3	*3.5	*	196
4.5	4.7	2.9	*5.5	9.3	4.1	2.9	2.6	*5.4	6.5	197
14.2	5.7	7.5	22.5	50.4	9.3	4.0	8.2	9.8	11.1	198
12.5	11.4	10.9	16.1	15.4	3.7	3.4	3.4	4.1	4.6	199
3.6	3.3	2.5	5.5	5.6	3.9	2.4	4.0	4.9	3.9	200
*	-	*	*	-	*	-	*	*	-	201
...	...	...	...	...	...	...	...	...	...	202
8.7	8.1	8.2	10.4	9.8	3.7	3.8	3.3	3.7	5.1	203

Table 3. Number, discharge rate, and average length of stay of female patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Female				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
		Number in thousands				
01	All categories.	22,263	1,377	10,228	4,231	6,427
02	Chapter 1. Infectious and parasitic diseases. 001-139	357	85	122	47	102
03	Viral diseases 045-079, 138, 139.0-139.1	132	38	52	15	27
04	Other infectious and parasitic diseases 001-041, 080-137, 139.8	225	47	70	32	76
05	Chapter 2. Neoplasms 140-239	1,516	28	350	543	595
06	Malignant neoplasms, carcinoma-in-situ 140-208, 230-234	1,117	15	147	419	536
07	Malignant neoplasm of lip, oral cavity, and pharynx. 140-149	13	-	*	6	*6
08	Malignant neoplasm of large intestine and rectum 153-154, 197.5	109	-	*	35	70
09	Malignant neoplasm of other digestive organs and peritoneum. 150-152, 155-159, 197.4, 197.6-197.8	77	*	*5	21	50
10	Malignant neoplasm of trachea, bronchus, and lung 162, 197.0, 197.3	126	-	*6	58	62
11	Malignant neoplasm of bone, connective tissue, and skin 170-173, 198.2, 198.5	51	*	8	16	23
12	Malignant neoplasm of breast 174-175, 198.81	231	*	33	100	98
13	Malignant neoplasm of female genital organs. 179-184, 198.6	206	*	26	92	87
14	Malignant neoplasm of prostate 185	...	...	...	...	...
15	Malignant neoplasm of urinary organs. 188, 189, 198.0-198.1	41	-	*	*10	29
16	Leukemia 204-208	30	*8	*	*7	11
17	Other malignant neoplasm of hematopoietic tissue 196, 200-203	81	*	*13	25	42
18	Malignant neoplasm of other and unspecified sites, carcinoma-in-situ 160-161, 163-165, 186-187, 190-195, 197.1-197.2, 198.3-198.4, 198.7, 198.82-199, 230-234	152	*	44	49	57
19	Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229, 235-239	400	13	204	124	59
20	Benign neoplasm of the digestive system. 210-211	33	-	*7	11	15
21	Benign neoplasm of bone and connective tissue 213-215	31	*	13	9	*7
22	Benign neoplasm of the breast 217	20	*	13	5	*
23	Benign neoplasm of the uterus. 218-219	173	-	111	58	*
24	Benign neoplasm of other female genital organs 220-221	40	*	26	*9	*
25	Other benign neoplasms and neoplasms of uncertain behavior and unspecified nature 212, 216, 222-229, 235-239	103	10	33	32	28
26	Chapter 3. Endocrine, nutritional and metabolic diseases, and immunity disorders. 240-279	712	40	160	196	316
27	Diseases of the thyroid gland 240-246	54	*	20	21	11
28	Diabetes mellitus without complication. 250.0	118	*5	18	45	51
29	Diabetes mellitus with complication 250.1-250.9	236	*10	51	74	101
30	Other diseases of the endocrine glands. 251-259	55	*	19	11	21
31	Obesity 278.0	21	*	12	6	*
32	Other nutritional deficiencies and metabolic and immunity disorders 260-277, 278.1-279	229	20	40	39	130
33	Chapter 4. Diseases of the blood and blood-forming organs. 280-289	202	27	41	38	96
34	Anemias 280-285	143	11	25	27	81
35	Other diseases of the blood and blood-forming organs 286-289	60	16	17	*12	15
36	Chapter 5. Mental disorders. 290-319	815	23	440	196	156
37	Organic psychotic conditions 290-294	42	-	7	9	25
38	Schizophrenic disorders. 295	84	*	56	22	*5
39	Other psychoses 296-299	216	*	100	58	56
40	Anxiety states 300.0	33	*	17	11	*
41	Other neuroses and personality disorders 300.1-301	117	*	70	27	17
42	Alcohol dependence syndrome 303	104	*	61	33	*9
43	Drug dependence 304	21	*	16	*	*
44	Nondependent abuse of drugs (including alcohol). 305	26	*	19	*	*
45	Other mental disorders and mental retardation 302, 306-319	173	12	94	29	38

Table 3. Number, discharge rate, and average length of stay of female patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Female—Con.</i>										
<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
1,836.2	545.1	1,831.0	1,809.5	3,839.0	6.3	4.6	4.4	7.2	9.0	01
29.4	33.5	21.9	20.2	61.2	6.4	4.1	5.0	7.9	9.4	02
10.9	15.0	9.3	6.4	16.1	5.1	3.4	4.6	7.7	7.2	03
18.5	18.6	12.6	13.7	45.1	7.2	4.6	5.3	8.0	10.2	04
125.1	11.0	62.7	232.3	355.5	8.5	4.7	6.0	8.2	10.4	05
92.1	5.8	26.3	179.2	320.3	9.5	6.3	7.3	8.7	10.8	06
1.0	-	*	2.4	*3.4	10.3	-	*	8.8	*13.1	07
9.0	-	*	15.1	41.7	13.3	-	*	12.2	13.9	08
6.3	*	*0.9	9.2	30.0	13.0	*	*9.5	11.5	14.1	09
10.4	-	*1.1	24.6	37.1	9.8	-	*11.5	9.7	9.7	10
4.2	*	1.4	6.9	13.8	6.9	*	6.9	7.8	6.9	11
19.1	*	6.0	42.6	58.6	8.3	*	6.9	7.7	9.4	12
17.0	*	4.7	39.3	52.2	7.8	*	7.4	7.2	8.6	13
...	...	...	...	...	...	...	...	...	...	14
3.4	-	*	*4.4	17.5	9.9	-	*	*9.9	9.8	15
2.5	*3.0	*	*3.0	6.7	9.3	*5.1	*	*13.4	7.3	16
6.6	*	*2.3	10.5	25.3	8.4	*	*6.2	7.2	9.8	17
12.5	*	7.9	21.0	34.0	9.9	*	5.8	8.4	14.3	18
33.0	5.1	36.4	53.1	35.2	5.8	3.0	5.0	6.7	6.9	19
2.7	-	*1.2	4.7	9.2	5.3	-	*4.6	4.5	6.2	20
2.6	*	2.4	4.0	4.0	3.1	*	2.7	3.1	*4.1	21
1.6	*	2.3	2.0	*	2.3	*	2.0	2.6	*	22
14.3	-	19.9	24.8	*	6.3	-	5.7	7.4	*	23
3.3	*	4.7	*4.0	*	6.0	*	5.3	*6.9	*	24
8.5	4.0	5.9	13.7	16.7	6.3	3.1	4.8	7.7	7.7	25
58.8	16.0	28.7	83.9	188.5	7.7	4.4	5.7	7.2	9.5	26
4.4	*	3.6	9.1	6.5	5.9	*	5.8	5.3	7.3	27
9.8	*1.8	3.2	19.2	30.7	7.7	*5.4	7.7	7.0	8.5	28
19.5	*4.0	9.2	31.5	60.1	8.9	*5.1	6.0	8.6	10.9	29
4.5	*	3.5	4.7	12.4	6.0	*	4.6	6.7	7.2	30
1.7	*	2.2	2.6	*	6.5	*	6.5	5.7	*	31
18.9	8.0	7.1	16.8	77.8	7.5	4.1	4.7	6.2	9.3	32
16.7	10.5	7.4	16.4	57.4	6.5	4.1	4.7	6.6	7.9	33
11.8	4.2	4.4	11.5	48.2	7.0	5.3	5.1	6.8	7.9	34
4.9	6.3	3.0	*5.0	9.2	5.2	3.3	4.1	*6.1	7.6	35
67.3	9.0	78.8	83.9	93.5	12.4	16.2	12.2	12.4	12.2	36
3.4	-	1.3	3.9	15.0	9.5	-	6.8	8.3	10.7	37
6.9	*	10.0	9.4	*3.3	15.9	*	16.3	15.0	*14.3	38
17.8	*	17.9	24.8	33.5	15.5	*	14.5	16.6	15.7	39
2.8	*	3.1	4.6	*	6.0	*	5.8	7.1	*	40
9.7	*	12.5	11.5	10.1	13.4	*	14.3	11.9	9.5	41
8.6	*	11.0	14.2	*5.3	11.2	*	11.1	11.1	*13.0	42
1.7	*	2.9	*	*	14.7	*	14.9	*	*	43
2.1	*	3.4	*	*	8.5	*	8.8	*	*	44
14.3	4.9	16.8	12.5	22.6	9.0	12.3	8.3	8.3	10.0	45

Table 3. Number, discharge rate, and average length of stay of female patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Female				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
		Number in thousands				
46	Chapter 6. Diseases of the nervous system and sense organs. 320-389	960	114	194	197	456
47	Epilepsy. 345	36	*7	14	*7	*9
48	Other disorders of the central nervous system 320-336, 340-344, 346-349	194	17	77	41	59
49	Disorders of the peripheral nervous system 337, 350-359	114	*	44	42	27
50	Cataract. 366	316	*	*	41	268
51	Other disorders of the eye. 360-365, 367-379	137	22	24	31	60
52	Otitis media and eustachian tube disorders. 381-382	76	57	8	*8	*
53	Other diseases of the ear and mastoid process . . . 380, 383-389	87	7	21	27	31
54	Chapter 7. Diseases of the circulatory system 390-459	2,737	16	224	703	1,794
55	Essential hypertension 401	155	*	25	62	69
56	Heart disease. 391-392.0, 393-398, 402, 404, 410-429	1,694	11	89	433	1,161
57	Hypertensive heart disease 402, 404	58	-	*	14	42
58	Acute myocardial infarction 410	266	-	*6	69	191
59	Other acute and subacute forms of ischemic heart disease. . . 411	137	*	*	38	96
60	Angina pectoris. 413	166	*	*10	57	98
61	Coronary atherosclerosis. 414.0	140	*	*	34	102
62	Other chronic ischemic heart disease. 412, 414.1-414.9	131	*	*6	53	71
63	Pulmonary heart disease. 415-416	38	*	*6	8	24
64	Cardiac dysrhythmias 427	260	*	19	55	182
65	Congestive heart failure 428.0	303	*	*	44	254
66	Cardiovascular disease, unspecified. 429.2	31	*	-	7	23
67	Other heart disease 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9	165	*	30	55	77
68	Intracranial hemorrhage 430-432	27	*	*	8	14
69	Occlusion of cerebral arteries 434	68	*	*	*13	53
70	Transient cerebral ischemia. 435	115	*	*	23	89
71	Acute, but ill-defined, cerebrovascular disease 436	156	*	*	18	135
72	Other cerebrovascular disease. 433, 437-438	111	*	*6	26	78
73	Atherosclerosis 440	32	*	*	*9	22
74	Aneurysm 441-442	17	-	*	*	13
75	Other diseases of arteries, arterioles, and capillaries . . . 443-448	79	*	*8	21	49
76	Phlebitis and thrombophlebitis 451	90	*	22	29	38
77	Varicose veins of lower extremities. 454	44	-	15	16	13
78	Hemorrhoids 455	57	-	27	18	12
79	Other diseases of the circulatory system. 390, 392.9, 403, 405, 417, 452-453, 456-459	95	*	20	24	49
80	Chapter 8. Diseases of the respiratory system 460-519	1,711	374	414	330	593
81	Acute bronchitis and bronchiolitis. 466	136	38	19	28	51
82	Other acute upper respiratory infections, except influenza. 460-465	106	48	36	10	11
83	Deviated nasal septum 470	51	*	37	*10	*
84	Chronic disease of tonsils and adenoids. 474	185	108	75	*	*
85	Pneumonia, all forms. 480-486	413	79	60	71	204
86	Influenza 487	50	*5	17	8	20
87	Bronchitis, chronic and unspecified. 490-491	88	11	12	24	40
88	Emphysema. 492	17	-	*	*8	6
89	Asthma 493	268	54	76	66	71
90	Pleurisy 511	32	-	*7	*10	16
91	Other diseases of the respiratory system. 471-473, 475-478, 494-496, 500-510, 512-519	363	26	73	93	171
92	Chapter 9. Diseases of the digestive system 520-579	2,292	170	735	599	789
93	Disturbance of tooth eruption. 520.6	17	*	15	*	-
94	Other diseases of the teeth, jaw, and mouth 520.0-520.5, 520.7-529	77	10	34	19	14
95	Diseases of the esophagus 530	91	8	18	29	36
96	Gastric ulcer 531	63	*	*8	18	37
97	Duodenal ulcer 532	44	*	11	12	21
98	Other and unspecified peptic ulcer. 533-534	41	*	11	10	19

Table 3. Number, discharge rate, and average length of stay of female patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Female—Con.

<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
79.2	45.0	34.7	84.1	272.5	4.5	3.4	4.8	5.0	4.5	46
3.0	*2.7	2.5	*3.0	*5.2	5.1	*3.6	4.0	*7.4	*6.4	47
16.0	6.7	13.9	17.4	35.0	9.5	7.2	6.8	9.3	14.0	48
9.4	*	7.8	17.8	15.8	4.9	*	3.8	4.7	6.7	49
26.1	*	*	17.6	160.3	2.5	*	*	2.7	2.4	50
11.4	8.8	4.4	13.2	35.9	3.4	2.1	3.6	3.4	3.7	51
6.2	22.5	1.4	*3.4	*	2.5	2.4	2.3	*4.1	*	52
7.2	2.7	3.8	11.7	18.6	3.7	3.6	2.7	3.5	4.4	53
225.8	6.4	40.1	300.5	1,071.8	8.6	7.1	6.4	7.8	9.2	54
12.8	*	4.4	26.4	41.0	5.8	*	4.5	5.1	6.8	55
139.7	4.2	15.9	185.3	693.5	8.1	5.3	5.9	7.2	8.6	56
4.7	-	*	6.1	25.3	8.5	-	*	7.0	9.1	57
21.9	-	1.0	29.5	114.1	10.8	-	10.4	10.2	11.0	58
11.3	*	*	16.1	57.2	6.6	*	*	6.4	6.7	59
13.7	*	*1.7	24.5	58.5	5.2	*	*4.1	5.0	5.5	60
11.5	*	*	14.4	60.7	7.3	*	*	5.3	8.0	61
10.8	*	*1.1	22.6	42.7	7.2	*	*4.9	6.8	7.8	62
3.1	*	*1.1	3.2	14.5	11.0	*	*8.9	9.0	12.3	63
21.4	*	3.4	23.6	108.8	7.1	*	4.4	6.1	7.7	64
25.0	*	*	18.7	151.5	8.9	*	*	8.6	9.0	65
2.6	*	-	3.1	14.0	8.8	*	-	6.3	9.6	66
13.6	*	5.3	23.4	46.1	8.5	*	5.9	7.6	10.1	67
2.2	*	*	3.3	8.5	18.1	*	*	22.5	14.7	68
5.6	*	*	*5.5	31.5	13.2	*	*	*12.7	13.5	69
9.5	*	*	9.8	52.9	6.4	*	*	6.5	6.5	70
12.9	*	*	7.6	80.4	12.9	*	*	13.6	12.9	71
9.2	*	1.0	11.1	46.9	9.2	*	11.7	9.0	9.2	72
2.6	*	*	*3.7	13.3	10.9	*	*	*12.9	10.2	73
1.4	-	*	*	7.6	13.0	-	*	*	12.0	74
6.5	*	*1.4	9.1	29.2	11.9	*	7.3	12.6	12.3	75
7.4	*	4.0	12.4	22.9	8.5	*	7.6	8.5	9.1	76
3.6	-	2.6	6.9	7.7	7.1	-	3.9	5.8	12.3	77
4.7	-	4.8	7.6	7.2	4.9	-	4.3	4.9	6.2	78
7.8	*	3.6	10.4	29.2	8.5	*	7.9	8.5	8.7	79
141.1	147.9	74.0	141.2	354.4	6.1	3.4	3.8	6.9	9.0	80
11.3	15.2	3.4	12.1	30.4	5.9	3.8	4.9	6.2	7.6	81
8.8	19.1	6.5	4.4	6.9	3.5	2.9	3.2	4.9	5.8	82
4.2	*	6.5	*4.2	*	2.2	*	2.1	*2.6	*	83
15.3	42.9	13.5	*	*	1.7	1.7	1.7	*	*	84
34.1	31.3	10.7	30.3	121.6	8.2	5.2	5.7	8.4	10.1	85
4.1	*2.0	3.0	3.5	11.8	5.1	*3.4	3.9	4.6	6.7	86
7.3	4.5	2.2	10.4	24.2	6.6	3.8	4.4	6.6	8.1	87
1.4	-	*	*3.4	3.8	10.6	-	*6.3	*11.7	10.7	88
22.1	21.5	13.7	28.3	42.6	5.6	3.7	4.5	5.9	7.8	89
2.7	-	*1.2	*4.1	9.6	6.7	-	*3.5	*6.2	8.4	90
30.0	10.4	13.1	39.8	102.0	7.4	4.4	4.3	7.5	9.2	91
189.0	67.2	131.5	256.1	471.1	6.6	3.9	5.1	6.9	8.3	92
1.4	*	2.6	*	-	1.5	*	1.4	*	-	93
6.4	4.0	6.1	8.1	8.2	3.8	2.4	3.5	4.2	5.1	94
7.5	3.0	3.2	12.5	21.3	6.5	5.1	4.7	7.6	6.8	95
5.2	*	*1.5	7.5	22.0	8.2	*	*5.3	7.6	9.2	96
3.7	*	2.0	5.2	12.4	7.1	*	5.8	5.9	8.5	97
3.4	*	1.9	4.4	11.6	6.0	*	3.3	5.6	7.8	98

Table 3. Number, discharge rate, and average length of stay of female patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code	Female				
	All ages	Under 15 years	15-44 years	45-64 years	65 years and over
Number in thousands					
Chapter 9. Diseases of the digestive system—Con.					
99 Gastritis and duodenitis 535	158	10	58	51	39
100 Other diseases of the stomach 536-537	39	*	13	10	12
101 Acute appendicitis without mention of peritonitis 540.9	70	16	46	*5	*
102 Other appendicitis and other diseases of the appendix 540.0-540.1, 541-543	47	10	24	*7	*6
103 Inguinal hernia 550	50	6	17	14	14
104 Other hernia of abdominal cavity 551-553	167	*5	35	62	64
105 Regional enteritis and idiopathic proctocolitis 555-556	35	*	18	*8	*8
106 Other noninfectious gastroenteritis and colitis 558	292	82	95	51	65
107 Intestinal obstruction without mention of hernia 560	117	*	19	29	66
108 Diverticula of intestine 562	126	-	*6	36	83
109 Other functional digestive disorders of intestines 564	84	*	37	21	22
110 Anal fissure, fistula, and abscess 565-566	25	*	11	9	*5
111 Other disorders of intestine and peritoneum 557, 567-569	100	*	32	23	42
112 Chronic liver disease and cirrhosis 571	35	*	7	15	11
113 Other diseases of the liver 570, 572-573	29	*	*10	8	*11
114 Cholelithiasis 574	347	*	147	98	101
115 Cholecystitis 575.0-575.1	58	-	24	15	19
116 Other disorders of gallbladder and biliary tract 575.2-576	23	*	*6	*8	9
117 Diseases of the pancreas 577	60	*	21	20	19
118 Gastrointestinal hemorrhage and intestinal malabsorption 578-579	97	*	11	18	64
119 Chapter 10. Diseases of the genitourinary system 580-629	2,073	64	1,234	442	333
120 Nephritis, nephrotic syndrome, and nephrosis 580-589	68	*	16	17	32
121 Infections of kidney 590	107	*9	59	15	24
122 Calculus of kidney and ureter 592	106	*	56	28	21
123 Cystitis 595	50	*	13	14	21
124 Urethral stricture 598	17	*	*	*5	*
125 Other disorders of urinary system 591, 593-594, 596-597, 599	256	28	63	50	116
126 Hyperplasia of prostate 600	...	...	...	...	...
127 Other disorders of the male genital organs 601-608	...	...	...	...	...
128 Benign mammary dysplasia 610	79	*	33	35	10
129 Inflammatory disease of breast 611	63	*	32	21	*9
130 Cervicitis and endocervicitis 616.0	8	-	7	*	*
131 Other inflammatory disease of female pelvic organs 614-615, 616.1-616.9	261	*	242	11	*
132 Endometriosis 617	127	*	109	18	*
133 Genital prolapse (female) 618	160	-	56	60	45
134 Disorders of menstruation and other abnormal vaginal bleeding 626	254	*	191	59	*
135 Menopausal and postmenopausal disorders 627	47	-	*	30	16
136 Other disruptions of the female genital tract 619-625, 628-629	470	*10	353	77	30
137 Chapter 11. Complications of pregnancy, childbirth, and the puerperium ¹ 630-676	969	*6	960	*	...
138 Ectopic pregnancy 633	72	*	72	*	...
139 Induced abortion 635-636	74	*	73	*	-
140 Other pregnancy with abortive outcome 630-632, 634, 637-639	272	*	268	*	...
141 Antepartum hemorrhage, abruptio placentae, and placenta previa 641	37	-	37	-	...
142 Hypertension complicating pregnancy, childbirth, and the puerperium 642	40	*	39	-	...
143 False labor 644.1	102	*	102	-	...
144 Fetopelvic disproportion 653.4	-	-	-	-	...
145 Uterine scar from previous surgery 654.2	*5	-	*5	-	...
146 Rupture of membranes 658.1-658.3	10	-	10	-	...
147 Umbilical cord complications 663	-	-	-	-	...
148 Trauma to perineum and vulva during delivery 664	*	-	*	-	...
149 Other complications of pregnancy 640, 643-644.0, 644.2-648, 651-653.3, 653.5-654.1, 654.3-658.0, 658.4-662, 665-676	354	*	352	*	...

¹First-listed diagnosis for females with deliveries is V27, shown under "Supplementary classification of factors influencing health status."

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Female—Con.										
<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
13.0	4.0	10.4	21.9	23.0	4.8	3.0	4.2	5.4	5.2	99
3.2	*	2.3	4.5	7.3	6.8	*	3.9	9.0	7.8	100
5.7	6.2	8.2	*2.0	*	4.2	3.7	4.1	*5.6	*	101
3.9	4.0	4.4	*2.9	3.4	7.2	6.7	6.2	*9.1	9.9	102
4.1	2.2	3.0	5.9	8.5	3.9	1.5	3.0	3.6	6.3	103
13.8	*2.2	6.3	26.6	38.3	6.2	*2.3	5.1	5.8	7.7	104
2.9	*	3.2	*3.4	*5.0	10.9	*	9.8	*11.4	*11.9	105
24.1	32.3	16.9	21.9	38.5	4.3	3.4	3.7	5.3	5.5	106
9.6	*	3.3	12.6	39.4	9.2	*	7.3	10.0	9.6	107
10.4	-	*1.0	15.6	49.8	8.0	-	*6.2	7.7	8.2	108
6.9	*	6.6	9.0	13.1	5.5	*	4.4	6.2	6.5	109
2.1	*	2.1	3.8	*2.9	5.8	*	5.1	4.8	*9.1	110
8.3	*	5.7	9.9	24.9	7.6	*	5.5	7.3	9.7	111
2.9	*	1.3	6.6	6.8	10.6	*	9.0	10.9	11.8	112
2.4	*	*1.7	3.5	*6.5	9.5	*	*8.3	9.5	*10.9	113
28.6	*	26.4	41.8	60.6	7.4	*	6.1	7.1	9.7	114
4.8	-	4.3	6.6	11.3	7.5	-	6.4	6.2	9.9	115
1.9	*	*1.2	*3.3	5.1	8.5	*	*5.8	*7.8	11.1	116
5.0	*	3.8	8.5	11.3	8.5	*	6.3	9.4	10.0	117
8.0	*	2.0	7.9	38.4	7.7	*	4.7	7.0	8.4	118
171.0	25.2	221.0	189.1	198.9	5.2	4.2	4.5	5.3	7.6	119
5.6	*	2.9	7.5	19.1	11.1	*	9.2	10.5	12.5	120
8.8	*3.4	10.5	6.5	14.4	6.2	*4.5	5.0	7.2	9.2	121
8.7	*	9.9	12.2	12.3	4.7	*	3.5	5.3	7.2	122
4.1	*	2.3	6.0	12.6	5.1	*	3.7	4.9	6.3	123
1.4	*	*	*2.1	*	4.0	*	*	*3.9	*	124
21.1	11.1	11.2	21.4	69.0	6.7	5.0	5.3	5.8	8.2	125
...	...	...	...	...	...	...	...	...	...	126
...	...	...	...	...	...	...	...	...	...	127
6.5	*	5.9	15.0	6.1	2.5	3.0	2.4	2.7	2.3	128
5.2	*	5.8	9.0	*5.3	3.4	3.9	3.1	3.5	*3.6	129
0.7	-	1.2	*	*	4.2	-	4.0	*	*	130
21.5	*	43.4	4.9	*	5.0	*	4.9	6.5	*	131
10.5	*	19.4	7.5	*	5.7	*	5.5	6.7	*	132
13.2	-	10.0	25.6	26.6	6.6	-	5.9	7.1	7.0	133
21.0	*	34.1	25.4	*	3.5	*	3.4	3.9	*	134
3.9	-	*	12.7	9.4	2.8	-	*	2.4	3.6	135
38.8	*4.0	63.2	32.7	18.2	*4.7	2.6	4.4	5.5	6.7	136
79.9	*2.4	171.9	*	...	2.6	*6.2	2.6	*	...	137
5.9	*	12.8	*	...	4.6	*	4.6	*	...	138
6.1	*	13.1	*	-	1.6	*	1.5	*	-	139
22.4	*	48.0	*	...	1.9	*	1.9	*	...	140
3.0	-	6.6	-	...	2.8	-	2.8	-	...	141
3.3	*	7.0	-	...	3.5	*	3.5	-	...	142
8.4	*	18.2	-	...	1.3	*	1.3	-	...	143
-	-	-	-	...	-	-	-	-	...	144
*0.4	-	*0.9	-	...	*2.0	-	*2.0	-	...	145
0.8	-	1.8	-	...	2.6	-	2.6	-	...	146
-	-	-	-	...	-	-	-	-	...	147
*	-	*	-	...	*	-	*	-	...	148
29.2	*	62.9	*	...	3.3	*	3.3	*	...	149

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Diagnostic category and ICD-9-CM code	Female				
	All ages	Under 15 years	15-44 years	45-64 years	65 years and over
	Number in thousands				
Chapter 11. Complications of pregnancy, childbirth, and the puerperium—Con.					
150 Delivery without mention of complication 650	...	...	...	...	...
151 Complications of delivery 640-648, 651-676, with 5th digit 1 or 2	...	...	...	...	...
152 Chapter 12. Diseases of the skin and subcutaneous tissue 680-709	305	27	100	81	97
153 Cellulitis and abscess, except of digit 682	112	11	28	32	41
154 Pilonidal cyst 685	19	*	17	*	*
155 Other infections of the skin and subcutaneous tissue 680-681, 683-684, 686	29	*	*9	*10	*7
156 Other diseases of the skin and subcutaneous tissue . . . 690-709	145	10	45	39	50
157 Chapter 13. Diseases of the musculoskeletal system and connective tissue 710-739	1,368	34	457	425	451
158 Rheumatoid arthritis, except spine 714	58	*	11	27	20
159 Osteoarthritis and allied disorders, except spine 715	138	*	*7	41	89
160 Internal derangement of knee joint 717	28	*	17	*7	*
161 Other arthropathies and related disorders 710-713, 716, 718-719	104	*6	44	24	29
162 Spondylosis and allied disorders 721	74	*	*9	31	34
163 Derangement and displacement of lumbar disc 722.10, 722.32, 722.52, 722.73, 722.83, 722.93	169	*	83	64	22
164 Derangement and displacement of other intervertebral disc 722.0, 722.11-722.31, 722.39-722.51, 722.6-722.72, 722.80-722.82, 722.90-722.92	52	*	21	22	*9
165 Other dorsopathies 720, 723-724	192	*	85	57	50
166 Bursitis and synovitis, except spine . . . 726-727.0, 727.2-727.3	72	*	28	25	16
167 Bunions and deformities of toe 727.1, 735	165	*	62	64	36
168 Disorders of bone and cartilage 730-733	171	*8	25	30	108
169 Other diseases of the musculoskeletal system and connective tissue 725, 727.4-729, 734, 736-739	142	9	65	34	33
170 Chapter 14. Congenital anomalies 740-759	143	62	43	23	15
171 Congenital anomaly of heart and circulatory system . . . 745-747	39	21	*9	*5	*
172 Other congenital anomalies 740-744, 748-759	105	41	35	18	11
173 Chapter 15. Certain conditions originating in the perinatal period 760-779	79	78	*	-	*
174 Chapter 16. Symptoms, signs, and ill-defined conditions 780-799	276	44	117	70	45
175 Convulsions 780.3	29	11	12	*	*
176 Chest pain 786.5	34	-	10	19	*6
177 Abdominal pain 789.0	65	12	39	9	*5
178 Other symptoms, signs, and ill-defined conditions . . . 780.0-780.2, 780.4-786.4, 786.6-788, 789.1-799	148	21	56	39	32
179 Chapter 17. Injury and poisoning 800-999	1,580	151	576	290	562
180 Fracture of skull and face bones 800-803	43	9	23	*	*6
181 Fracture of vertebral column 805-806	21	*	7	*	*11
182 Fracture of radius and ulna 813	56	13	8	12	23
183 Fracture of neck of femur 820	179	*	*	17	158
184 Other fractures 804, 807-812, 814-819, 821-829	274	21	73	56	124
185 Dislocation without fracture 830-839	51	*	28	11	*9
186 Sprains and strains of back (including neck) 846-847	142	*	84	39	17
187 Concussion (excluding those with skull fracture) 850	65	12	34	*8	*11
188 Intracranial injury, except concussion (excluding those with skull fracture) 851-854	48	*12	21	*	*10
189 Internal injury of chest, abdomen, and pelvis 860-869	26	*	15	*	*
190 Laceration and open wound of eye, ear, and head 870-873	31	*6	12	*5	*8
191 Laceration and open wound of other locations 874-904	55	*7	29	*10	*8

Table 3. Number, discharge rate, and average length of stay of female patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Female—Con.</i>										
<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
...	...	...	...	...	...	...	...	...	...	150
...	...	...	...	...	...	...	...	...	...	151
25.1	10.6	17.9	34.7	58.1	8.1	4.0	5.4	8.4	11.9	152
9.2	4.4	5.1	13.6	24.2	8.5	4.2	5.5	9.1	11.3	153
1.5	*	3.1	*	*	2.9	*	2.9	*	*	154
2.4	*	*1.6	*4.1	*3.9	7.5	*	*6.1	*8.4	*9.8	155
12.0	4.0	8.1	16.8	30.0	8.7	3.5	6.0	7.9	12.7	156
112.8	13.6	81.8	181.8	269.6	7.3	5.2	5.6	7.1	9.3	157
4.8	*	1.9	11.4	11.7	9.5	*	9.4	9.4	9.9	158
11.4	*	*1.2	17.5	53.6	10.5	*	*6.1	9.3	11.4	159
2.3	*	3.0	*3.1	*	3.1	*	2.7	*3.7	*	160
8.6	*2.5	7.9	10.5	17.5	7.6	*6.3	5.9	8.5	9.7	161
6.1	*	*1.7	13.1	20.3	7.6	*	*6.1	7.8	7.8	162
14.0	*	14.9	27.2	13.3	8.6	*	7.9	9.1	9.6	163
4.3	*	3.7	9.3	*5.4	7.5	*	6.6	8.4	*7.4	164
15.9	*	15.2	24.3	29.8	7.7	*	7.0	7.6	9.1	165
6.0	*	5.0	10.7	9.8	3.7	*	2.9	3.7	5.1	166
13.6	*	11.1	27.2	21.7	3.3	*	2.8	3.5	4.0	167
14.1	*3.2	4.5	12.9	64.7	9.9	*8.7	6.2	7.8	11.4	168
11.7	3.7	11.7	14.6	19.7	4.8	3.6	4.0	4.9	6.4	169
11.8	24.6	7.8	9.8	9.0	6.2	5.8	4.4	8.5	9.6	170
3.2	8.3	*1.5	*2.1	*	6.9	6.4	*4.9	*8.1	*	171
8.6	16.3	6.2	7.7	6.4	5.9	5.5	4.3	8.6	8.4	172
6.5	30.9	*	-	*	13.4	13.5	*	-	*	173
22.7	17.2	21.0	30.1	26.7	4.3	3.2	3.7	4.9	6.0	174
2.4	4.5	2.1	*	*	3.0	2.8	3.3	*	*	175
2.8	-	1.8	7.9	*3.5	2.9	-	2.9	3.0	*2.8	176
5.3	4.6	7.0	3.8	*3.2	2.9	1.8	3.1	3.5	*2.6	177
12.2	8.2	10.0	16.7	19.1	5.5	4.2	4.4	6.3	7.2	178
130.3	59.9	103.2	124.2	335.6	7.5	3.6	5.2	7.2	11.0	179
3.5	3.6	4.0	*	*3.8	4.7	3.8	3.6	*	*8.2	180
1.7	*	1.2	*	*6.3	12.1	*	10.6	*	*14.4	181
4.6	5.1	1.4	5.1	13.7	3.7	1.4	4.3	3.5	4.9	182
14.8	*	*	7.2	94.3	15.6	*	*	11.4	16.1	183
22.6	8.3	13.1	24.0	74.0	8.9	3.9	7.2	8.7	10.9	184
4.2	*	5.1	4.9	*5.7	3.6	*	2.9	3.5	*5.7	185
11.7	*	15.0	16.9	9.9	6.8	*	6.5	7.4	7.5	186
5.3	4.7	6.0	*3.4	*6.7	4.8	1.8	3.6	*4.1	*12.3	187
3.9	*4.8	3.8	*	6.1	6.0	*3.9	5.4	*	*8.5	188
2.2	*	2.7	*	*	8.8	*	8.9	*	*	189
2.6	*2.5	2.2	*2.1	*4.5	3.8	*3.0	2.6	*7.3	*4.1	190
4.5	*2.8	5.2	*4.3	*4.7	5.5	*3.9	4.2	*7.8	*8.7	191

Table 3. Number, discharge rate, and average length of stay of female patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Diagnostic category and ICD-9-CM code</i>		<i>Female</i>				
		<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>
Number in thousands						
Chapter 17. Injury and poisoning—Con.						
192	Late effects of injuries, poisonings, toxic effects, and other external causes 905-909	24	*	13	*	*5
193	Burns 940-949	20	*8	*7	*	*
194	Other injury 840-845, 848, 910-939, 950-959	175	21	62	34	59
195	Poisoning by drugs, medicinal agents, and biological substances 960-979	105	9	60	15	22
196	Toxic effects of substances chiefly nonmedicinal as to source 980-989	23	*6	*9	*	*
197	Other and unspecified effects of external causes 990-995	54	10	20	9	16
198	Other complications of surgical and medical care. 996-999	188	8	66	46	68
199	Supplementary classification of factors influencing health status V01-V82	4,167	36	4,060	47	25
200	Persons with potential health hazards related to personal and family history V10-V19	45	*8	15	14	8
201	Persons admitted for sterilization. V25.2	111	-	109	*	*
202	Females with deliveries V27	3,853	13	3,836	*	...
203	Other factors influencing health status and contact with health services V01-V07, V20-V25.1, V25.3-V26, V28, V30-V39 (with 3rd digit 1 or 2), V40-V82	158	15	99	28	17

Table 3. Number, discharge rate, and average length of stay of female patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and age: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Female—Con.</i>										
<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	
Rate per 10,000 population					Average length of stay in days					
2.0	*	2.4	*	*3.0	6.3	*	4.4	*	*12.1	192
1.7	*3.1	*1.3	*	*	10.9	*7.4	*13.6	*	*	193
14.5	8.3	11.1	14.4	35.1	4.9	2.2	3.6	5.0	7.1	194
8.7	3.6	10.7	6.3	12.9	5.0	1.9	4.0	9.1	6.3	195
1.9	*2.4	*1.7	*	*	2.9	*2.7	*2.2	*	*	196
4.5	3.9	3.5	3.8	9.3	4.1	2.9	3.2	4.7	5.8	197
15.5	3.0	11.9	19.6	40.9	7.8	9.2	5.2	7.9	10.1	198
343.7	14.2	726.7	20.1	14.7	3.4	3.2	3.4	3.9	5.2	199
3.7	*3.2	2.7	5.8	4.8	4.9	*3.3	6.0	4.2	5.8	200
9.2	-	19.5	*	*	1.8	-	1.8	*	*	201
317.8	5.3	686.8	*	...	3.4	3.2	3.4	*	...	202
13.0	5.8	17.8	11.8	9.9	2.9	3.2	2.3	3.9	4.9	203

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		All regions	Northeast	North Central	South	West
01	All categories	37,162	7,408	9,899	13,451	6,405
02	Chapter 1. Infectious and parasitic diseases 001-139	658	122	158	286	92
03	Viral diseases 045-079, 138, 139.0-139.1	251	48	60	111	32
04	Other infectious and parasitic diseases 001-041, 080-137, 139.8	407	73	98	175	61
05	Chapter 2. Neoplasms 140-239	2,576	581	770	772	454
06	Malignant neoplasms, carcinoma-in-situ 140-208, 230-234	2,059	456	642	589	372
07	Malignant neoplasm of lip, oral cavity, and pharynx . . . 140-149	44	*9	15	11	10
08	Malignant neoplasm of large intestine and rectum 153-154, 197.5	205	49	71	49	36
09	Malignant neoplasm of other digestive organs and peritoneum 150-152, 155-159, 197.4, 197.6-197.8	162	38	47	45	32
10	Malignant neoplasm of trachea, bronchus, and lung 162, 197.0, 197.3	340	69	104	111	57
11	Malignant neoplasm of bone, connective tissue, and skin 170-173, 198.2, 198.5	99	21	31	31	16
12	Malignant neoplasm of breast 174-175, 198.81	234	62	64	62	47
13	Malignant neoplasm of female genital organs . . . 179-184, 198.6	206	52	61	53	40
14	Malignant neoplasm of prostate 185	134	25	45	41	22
15	Malignant neoplasm of urinary organs . . . 188, 189, 198.0-198.1	124	28	38	38	19
16	Leukemia 204-208	64	11	18	22	15
17	Other malignant neoplasm of hematopoietic tissue 196, 200-203	155	32	55	35	33
18	Malignant neoplasm of other and unspecified sites, carcinoma-in-situ 160-161, 163-165, 186-187, 190-195, 197.1-197.2, 198.3-198.4, 198.7, 198.82-199, 230-234	292	62	94	90	46
19	Benign neoplasms and neoplasms of uncertain behavior and unspecified nature 210-229, 235-239	517	124	129	182	82
20	Benign neoplasm of the digestive system 210-211	62	12	17	23	10
21	Benign neoplasm of bone and connective tissue . . . 213-215	52	12	11	22	*7
22	Benign neoplasm of the breast 217	21	*8	*	*9	*
23	Benign neoplasm of the uterus 218-219	173	39	38	61	35
24	Benign neoplasm of other female genital organs . . . 220-221	40	*6	10	16	*8
25	Other benign neoplasms and neoplasms of uncertain behavior and unspecified nature 212, 216, 222-229, 235-239	170	47	49	53	22
26	Chapter 3. Endocrine, nutritional and metabolic diseases, and immunity disorders 240-279	1,139	228	304	433	175
27	Diseases of the thyroid gland 240-246	64	10	19	24	10
28	Diabetes mellitus without complication 250.0	204	51	55	79	19
29	Diabetes mellitus with complication 250.1-250.9	388	86	97	140	65
30	Other diseases of the endocrine glands 251-259	85	15	21	34	15
31	Obesity 278.0	26	*	10	*9	*
32	Other nutritional deficiencies and metabolic and immunity disorders 260-277, 278.1-279	372	63	101	147	62
33	Chapter 4. Diseases of the blood and blood-forming organs 280-289	354	73	91	128	62
34	Anemias 280-285	244	51	61	90	42
35	Other diseases of the blood and blood-forming organs . . 286-289	110	22	30	38	20
36	Chapter 5. Mental disorders 290-319	1,690	408	535	469	278
37	Organic psychotic conditions 290-294	112	32	24	37	19
38	Schizophrenic disorders 295	173	36	54	54	29
39	Other psychoses 296-299	340	59	117	90	75
40	Anxiety states 300.0	51	*8	15	23	*5
41	Other neuroses and personality disorders 300.1-301	176	25	56	61	34
42	Alcohol dependence syndrome 303	392	163	124	67	38
43	Drug dependence 304	55	12	29	*6	8
44	Nondependent abuse of drugs (including alcohol) 305	81	18	26	21	16
45	Other mental disorders and mental retardation . . . 302, 306-319	310	55	90	110	55

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	
Rate per 10,000 population					Average length of stay in days					
1,585.1	1,493.0	1,678.8	1,688.2	1,386.9	6.6	7.8	6.9	6.1	5.7	01
28.1	24.6	26.8	35.9	19.9	6.6	8.3	6.7	6.0	6.1	02
10.7	9.7	10.2	13.9	6.9	4.9	5.1	5.3	4.7	4.2	03
17.4	14.7	16.6	22.0	13.2	7.7	10.4	7.6	6.9	7.1	04
109.9	117.1	130.6	96.9	98.3	9.0	11.1	9.0	8.1	7.7	05
87.8	91.9	108.9	73.9	80.6	9.8	12.5	9.5	8.9	8.2	06
1.9	*1.8	2.5	1.4	2.2	11.0	*16.0	11.7	7.1	10.2	07
8.7	9.9	12.0	6.2	7.8	13.0	16.2	11.9	12.1	12.1	08
6.9	7.7	8.0	5.6	6.9	13.2	17.4	12.7	11.7	11.1	09
14.5	13.9	17.6	13.9	12.3	9.5	12.9	8.9	8.8	7.9	10
4.2	4.2	5.3	3.9	3.5	7.3	8.5	8.2	6.8	5.1	11
10.0	12.5	10.9	7.8	10.2	8.3	10.7	8.5	8.0	5.3	12
8.8	10.5	10.3	6.7	8.7	7.8	8.3	7.9	7.8	7.0	13
5.7	5.0	7.6	5.1	4.8	9.1	11.3	9.2	7.6	9.5	14
5.3	5.6	6.4	4.8	4.1	8.4	9.0	9.3	8.2	6.1	15
2.7	2.2	3.1	2.8	3.2	10.9	13.0	12.0	7.8	12.7	16
6.6	6.4	9.3	4.4	7.1	9.0	12.4	8.4	9.0	6.9	17
12.5	12.5	15.9	11.3	10.0	10.0	14.6	8.8	9.3	8.0	18
22.1	25.0	21.9	22.8	17.8	5.7	5.9	6.4	5.4	5.1	19
2.6	2.4	2.9	2.9	2.2	5.0	6.8	4.6	4.6	4.5	20
2.2	2.4	1.9	2.8	*1.5	3.5	3.3	4.1	3.4	*3.0	21
0.9	*1.6	*	*1.1	*	2.4	*2.6	*	*2.1	*	22
7.4	7.9	6.4	7.7	7.6	6.3	6.1	6.9	6.5	5.6	23
1.7	*1.2	1.7	2.0	*1.7	6.0	*6.6	6.1	6.6	*4.6	24
7.3	9.5	8.3	6.7	4.8	6.4	6.7	7.3	5.5	5.6	25
48.6	46.0	51.6	54.3	37.9	7.6	10.1	7.3	7.1	6.2	26
2.7	2.0	3.2	3.0	2.2	5.7	8.3	4.4	6.0	4.9	27
8.7	10.3	9.3	9.9	4.1	7.1	8.7	6.8	6.6	5.5	28
16.6	17.3	16.5	17.6	14.1	8.8	10.7	8.3	8.7	7.3	29
3.6	3.0	3.6	4.3	3.2	6.1	7.4	7.6	4.9	5.2	30
1.1	*	1.7	*1.1	*	6.4	*	5.8	*6.3	*	31
15.9	12.7	17.1	18.4	13.4	7.4	11.3	7.3	6.6	5.8	32
15.1	14.7	15.4	16.1	13.4	6.2	7.0	6.1	6.0	5.6	33
10.4	10.3	10.3	11.3	9.1	6.6	7.6	6.6	6.2	6.1	34
4.7	4.4	5.1	4.8	4.3	5.2	5.5	5.3	5.5	4.5	35
72.1	82.2	90.7	58.9	60.2	11.9	11.4	13.7	10.2	12.0	36
4.8	6.4	4.1	4.6	4.1	9.4	9.4	8.4	11.0	7.4	37
7.4	7.3	9.2	6.8	6.3	16.4	22.8	18.3	12.0	13.5	38
14.5	11.9	19.8	11.3	16.2	15.2	18.0	16.1	13.3	13.8	39
2.2	*1.6	2.5	2.9	*1.1	5.4	*7.5	6.0	4.8	*3.7	40
7.5	5.0	9.5	7.7	7.4	12.8	11.6	14.3	10.2	16.3	41
16.7	32.9	21.0	8.4	8.2	10.6	8.3	13.9	10.2	10.2	42
2.3	2.4	4.9	*0.8	1.7	14.9	9.5	16.4	*14.9	17.5	43
3.5	3.6	4.4	2.6	3.5	8.0	6.2	7.8	6.8	11.9	44
13.2	11.1	15.3	13.8	11.9	9.3	10.0	10.7	8.1	8.9	45

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		All regions	Northeast	North Central	South	West
46	Chapter 6. Diseases of the nervous system and sense organs..... 320-389	1,669	333	490	551	295
47	Epilepsy..... 345	77	12	21	30	14
48	Other disorders of the central nervous system 320-336, 340-344, 346-349	364	71	111	126	57
49	Disorders of the peripheral nervous system 337, 350-359	178	34	55	59	30
50	Cataract..... 366	481	103	151	125	101
51	Other disorders of the eye..... 360-365, 367-379	248	49	67	85	47
52	Otitis media and eustachian tube disorders..... 381-382	171	43	39	67	21
53	Other diseases of the ear and mastoid process 380, 383-389	150	21	46	58	24
54	Chapter 7. Diseases of the circulatory system 390-459	5,593	1,200	1,484	1,977	932
55	Essential hypertension 401	266	49	68	114	34
56	Heart disease..... 391-392.0, 393-398, 402, 404, 410-429	3,599	793	970	1,267	569
57	Hypertensive heart disease..... 402, 404	98	26	18	44	*9
58	Acute myocardial infarction..... 410	700	173	173	243	111
59	Other acute and subacute forms of ischemic heart disease 411	276	72	74	90	41
60	Angina pectoris..... 413	317	62	84	118	53
61	Coronary atherosclerosis..... 414.0	365	63	124	130	49
62	Other chronic ischemic heart disease..... 412, 414.1-414.9	376	83	102	121	70
63	Pulmonary heart disease..... 415-416	75	13	18	27	17
64	Cardiac dysrhythmias..... 427	479	102	126	171	80
65	Congestive heart failure 428.0	531	123	143	191	74
66	Cardiovascular disease, unspecified..... 429.2	63	12	16	29	*6
67	Other heart disease..... 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9	319	64	92	105	59
68	Intracranial hemorrhage..... 430-432	57	13	14	17	13
69	Occlusion of cerebral arteries 434	127	27	33	41	26
70	Transient cerebral ischemia..... 435	220	49	58	80	34
71	Acute, but ill-defined, cerebrovascular disease 436	286	57	63	107	59
72	Other cerebrovascular disease..... 433, 437-438	207	37	60	68	42
73	Atherosclerosis..... 440	66	12	17	20	16
74	Aneurysm..... 441-442	69	13	17	24	16
75	Other diseases of arteries, arterioles, and capillaries 443-448	178	36	53	53	37
76	Phlebitis and thrombophlebitis..... 451	133	32	31	51	18
77	Varicose veins of lower extremities..... 454	63	16	18	17	11
78	Hemorrhoids..... 455	120	18	31	54	16
79	Other diseases of the circulatory system..... 390, 392.9, 403, 405, 417, 452-453, 456-459	204	48	51	63	41
80	Chapter 8. Diseases of the respiratory system 460-519	3,365	623	914	1,333	495
81	Acute bronchitis and bronchiolitis..... 466	241	42	65	106	29
82	Other acute upper respiratory infections, except influenza..... 460-465	208	28	56	104	20
83	Deviated nasal septum..... 470	113	27	38	33	15
84	Chronic disease of tonsils and adenoids..... 474	327	57	103	125	42
85	Pneumonia, all forms..... 480-486	837	147	222	347	121
86	Influenza..... 487	78	*8	19	42	*8
87	Bronchitis, chronic and unspecified..... 490-491	181	28	46	85	22
88	Emphysema..... 492	49	*7	14	22	*5
89	Asthma..... 493	465	108	118	158	82
90	Pleurisy..... 511	56	*9	16	22	10
91	Other diseases of the respiratory system..... 471-473, 475-478, 494-496, 500-510, 512-519	811	162	219	289	141
92	Chapter 9. Diseases of the digestive system 520-579	4,305	870	1,116	1,660	659
93	Disturbance of tooth eruption..... 520.6	26	16	*6	*	*
94	Other diseases of the teeth, jaw, and mouth 520.0-520.5, 520.7-529	136	34	41	43	18
95	Diseases of esophagus..... 530	169	26	52	66	25
96	Gastric ulcer..... 531	116	24	31	41	20
97	Duodenal ulcer..... 532	122	24	31	47	19
98	Other and unspecified peptic ulcer 533-534	89	14	20	45	10

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	
Rate per 10,000 population					Average length of stay in days					
71.2	67.1	83.1	69.2	63.9	4.8	5.9	4.6	4.6	4.2	46
3.3	2.4	3.6	3.8	3.0	4.9	6.6	4.8	4.7	4.1	47
15.5	14.3	18.8	15.8	12.3	10.3	15.1	8.8	8.5	10.9	48
7.6	6.9	9.3	7.4	6.5	4.8	5.1	5.4	4.5	3.9	49
20.5	20.8	25.6	15.7	21.9	2.4	2.7	2.4	2.4	2.0	50
10.6	9.9	11.4	10.7	10.2	3.5	3.5	3.5	3.7	3.0	51
7.3	8.7	6.6	8.4	4.5	2.7	2.5	2.6	2.9	2.1	52
6.4	4.2	7.8	7.3	5.2	3.7	4.7	3.3	4.1	2.8	53
238.6	241.9	251.7	248.1	201.8	8.2	9.9	8.2	7.8	6.9	54
11.3	9.9	11.5	14.3	7.4	5.6	6.7	5.4	5.4	5.4	55
153.5	159.8	164.5	159.0	123.2	7.8	9.3	7.8	7.5	6.1	56
4.2	5.2	3.1	5.5	*1.9	7.5	9.4	7.6	7.0	*5.0	57
29.9	34.9	29.3	30.5	24.0	10.0	11.5	10.2	9.5	8.3	58
11.8	14.5	12.6	11.3	8.9	6.2	7.1	6.4	6.0	4.5	59
13.5	12.5	14.2	14.8	11.5	4.9	5.6	4.8	5.1	3.9	60
15.6	12.7	21.0	16.3	10.6	7.2	9.0	6.8	7.3	5.7	61
16.0	16.7	17.3	15.2	15.2	6.7	7.3	7.5	7.0	4.7	62
3.2	2.6	3.1	3.4	3.7	10.2	10.3	10.7	10.6	9.0	63
20.4	20.6	21.4	21.5	17.3	6.9	9.0	6.5	6.9	4.9	64
22.6	24.8	24.3	24.0	16.0	8.6	10.4	8.4	8.2	6.7	65
2.7	2.4	2.7	3.6	*1.3	7.8	9.5	10.6	6.2	*4.6	66
13.6	12.9	15.6	13.2	12.8	8.4	10.9	8.4	7.6	7.3	67
2.4	2.6	2.4	2.1	2.8	14.9	13.2	17.4	13.6	15.7	68
5.4	5.4	5.6	5.1	5.6	12.3	14.9	11.8	12.3	10.3	69
9.4	9.9	9.8	10.0	7.4	6.2	7.9	6.6	5.5	4.8	70
12.2	11.5	10.7	13.4	12.8	12.7	18.2	12.8	10.8	10.5	71
8.8	7.5	10.2	8.5	9.1	9.2	11.2	7.9	9.7	8.3	72
2.8	2.4	2.9	2.5	3.5	11.1	14.6	11.2	10.2	9.6	73
2.9	2.6	2.9	3.0	3.5	11.8	12.5	10.4	11.4	13.3	74
7.6	7.3	9.0	6.7	8.0	10.6	13.0	12.4	9.0	8.3	75
5.7	6.4	5.3	6.4	3.9	8.5	9.6	7.8	8.2	8.3	76
2.7	3.2	3.1	2.1	2.4	7.3	9.1	5.9	8.7	4.9	77
5.1	3.6	5.3	6.8	3.5	4.9	4.9	5.0	5.1	3.6	78
8.7	9.7	8.6	7.9	8.9	8.2	8.7	8.1	8.6	7.2	79
143.5	125.6	155.0	167.3	107.2	6.0	7.5	5.7	5.7	5.4	80
10.3	8.5	11.0	13.3	6.3	5.6	6.4	5.4	5.6	5.3	81
8.9	5.6	9.5	13.1	4.3	3.4	3.3	3.5	3.5	2.6	82
4.8	5.4	6.4	4.1	3.2	2.1	2.0	2.2	2.3	1.6	83
13.9	11.5	17.5	15.7	9.1	1.7	1.7	1.5	1.9	1.3	84
35.7	29.6	37.6	43.6	26.2	7.8	9.9	7.7	7.1	7.0	85
3.3	*1.6	3.2	5.3	*1.7	4.9	*6.4	4.5	4.9	*4.1	86
7.7	5.6	7.8	10.7	4.8	6.6	8.2	7.0	6.0	5.6	87
2.1	*1.4	2.4	2.8	*1.1	9.8	*9.3	9.1	8.4	*9.8	88
19.8	21.8	20.0	19.8	17.8	5.2	5.7	5.2	5.2	4.2	89
2.4	*1.8	2.7	2.8	2.2	6.7	*7.3	8.6	6.1	4.6	90
34.6	32.7	37.1	36.3	30.5	7.5	10.4	6.6	7.0	6.8	91
183.6	175.3	189.3	208.3	142.7	6.3	7.4	6.5	5.9	5.6	92
1.1	3.2	*1.0	*	*	1.5	1.3	*1.7	*	*	93
5.8	6.9	7.0	5.4	3.9	3.6	3.5	3.5	3.2	4.6	94
7.2	5.2	8.8	8.3	5.4	6.3	6.3	7.3	6.3	4.3	95
4.9	4.8	5.3	5.1	4.3	7.9	10.1	8.1	6.7	7.8	96
5.2	4.8	5.3	5.9	4.1	7.9	10.4	7.3	6.7	8.9	97
3.8	2.8	3.4	5.6	2.2	5.9	7.3	6.4	5.7	3.6	98

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		All regions	Northeast	North Central	South	West
Chapter 9. Diseases of the digestive system—Con.						
99	Gastritis and duodenitis 535	266	41	63	138	24
100	Other diseases of the stomach 536-537	64	*9	17	28	10
101	Acute appendicitis without mention of peritonitis 540.9	169	32	40	60	38
102	Other appendicitis and other diseases of the appendix 540.0-540.1, 541-543	101	15	27	35	24
103	Inguinal hernia 550	440	117	108	148	66
104	Other hernia of abdominal cavity 551-553	254	49	64	102	38
105	Regional enteritis and idiopathic proctocolitis 555-556	64	13	21	21	*9
106	Other noninfectious gastroenteritis and colitis 558	476	77	118	221	60
107	Intestinal obstruction without mention of hernia 560	196	41	53	65	38
108	Diverticula of intestine 562	188	47	41	79	22
109	Other functional digestive disorders of intestines 564	110	14	30	54	12
110	Anal fissure, fistula, and abscess 565-566	84	23	21	29	12
111	Other disorders of intestine and peritoneum 557, 567-569	157	31	47	54	26
112	Chronic liver disease and cirrhosis 571	82	16	23	27	15
113	Other diseases of the liver 570, 572-573	61	11	14	24	11
114	Cholelithiasis 574	488	100	131	178	79
115	Cholecystitis 575.0-575.1	85	17	24	29	14
116	Other disorders of gallbladder and biliary tract 575.2-576	38	*8	13	12	*6
117	Diseases of the pancreas 577	131	29	29	50	22
118	Gastrointestinal hemorrhage and intestinal malabsorption 578-579	194	43	48	62	41
Chapter 10. Diseases of the genitourinary system 580-629						
120	Nephritis, nephrotic syndrome, and nephrosis 580-589	141	31	37	47	27
121	Infections of kidney 590	131	15	36	57	23
122	Calculus of kidney and ureter 592	328	55	82	133	58
123	Cystitis 595	64	11	18	30	*
124	Urethral stricture 598	54	14	11	23	*
125	Other disorders of urinary system 591, 593-594, 596-597, 599	465	83	129	202	51
126	Hyperplasia of prostate 600	270	67	69	90	43
127	Other disorders of the male genital organs 601-608	181	44	34	80	23
128	Benign mammary dysplasia 610	80	16	18	35	10
129	Inflammatory disease of breast 611	76	16	21	28	11
130	Cervicitis and endocervicitis 616.0	*8	*	*	*	*
131	Other inflammatory disease of female pelvic organs 614-615, 616.1-616.9	261	38	54	120	48
132	Endometriosis 617	127	17	34	50	26
133	Genital prolapse (female) 618	160	30	37	65	28
134	Disorders of menstruation and other abnormal vaginal bleeding 626	254	69	53	99	33
135	Menopausal and postmenopausal disorders 627	47	18	*9	13	*7
136	Other disruptions of the female genital tract 619-625, 628-629	470	94	103	190	83
Chapter 11. Complications of pregnancy, childbirth, and the puerperium ¹ 630-676						
138	Ectopic pregnancy 633	72	12	19	23	18
139	Induced abortion 635-636	74	47	*7	12	*8
140	Other pregnancy with abortive outcome 630-632, 634, 637-639	272	66	61	106	39
141	Antepartum hemorrhage, abruptio placentae, and placenta previa 641	37	*8	12	10	*7
142	Hypertension complicating pregnancy, childbirth, and the puerperium 642	40	*7	11	15	*6
143	False labor 644.1	102	18	28	41	15
144	Fetopelvic disproportion 653.4	...	...	...	...	...
145	Uterine scar from previous surgery 654.2	*5	-	*	*	*
146	Rupture of membranes 658.1-658.3	10	*	*	*	*
147	Umbilical cord complications 663	...	...	...	...	...
148	Trauma to perineum and vulva during delivery 664	*	*	*	*	*
149	Other complications of pregnancy 640, 643-644.0, 644.2-648, 651-653.3, 653.5-654.1, 654.3-658.0, 658.4-662, 665-676	354	59	86	141	68
150	Delivery without mention of complication 650	...	...	...	...	...
151	Complications of delivery 640-648, 651-676, with 5th digit 1 or 2	...	...	...	...	...

¹First-listed diagnosis for females with deliveries is V27, shown under "Supplementary classification of factors influencing health status."

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	
Rate per 10,000 population					Average length of stay in days					
11.3	8.3	10.7	17.3	5.2	4.7	5.5	4.4	4.7	3.6	99
2.7	*1.8	2.9	3.5	2.2	6.0	*7.7	6.4	4.8	7.5	100
7.2	6.4	6.8	7.5	8.2	4.0	5.0	3.8	3.9	3.6	101
4.3	3.0	4.6	4.4	5.2	7.0	8.5	6.6	6.8	6.7	102
18.8	23.6	18.3	18.6	14.3	3.8	3.9	3.8	4.1	2.6	103
10.8	9.9	10.9	12.8	8.2	5.8	6.2	6.7	5.6	4.6	104
2.7	2.6	3.6	2.6	*1.9	10.6	10.2	13.0	9.1	*9.6	105
20.3	15.5	20.0	27.7	13.0	4.1	4.7	4.2	4.0	3.7	106
8.4	8.3	9.0	8.2	8.2	9.3	11.8	9.8	8.5	7.1	107
8.0	9.5	7.0	9.9	4.8	7.9	9.4	7.1	7.3	8.2	108
4.7	2.8	5.1	6.8	2.6	5.8	8.0	5.3	5.1	8.1	109
3.6	4.6	3.6	3.6	2.6	4.4	4.8	4.5	4.2	3.5	110
6.7	6.2	8.0	6.8	5.6	8.4	10.9	8.3	7.4	7.9	111
3.5	3.2	3.9	3.4	3.2	10.4	14.6	8.5	10.4	9.1	112
2.6	2.2	2.4	3.0	2.4	10.0	12.9	10.4	9.6	7.4	113
20.8	20.2	22.2	22.3	17.1	7.6	8.6	7.5	7.9	6.1	114
3.6	3.4	4.1	3.6	3.0	8.1	10.9	7.6	7.5	6.6	115
1.6	*1.6	2.2	1.5	*1.3	9.6	*12.1	10.4	8.1	*7.4	116
5.6	5.8	4.9	6.3	4.8	8.1	9.3	8.5	7.1	8.2	117
8.3	8.7	8.1	7.8	8.9	7.4	9.4	7.7	7.2	5.4	118
132.9	125.4	126.9	158.9	104.2	5.4	5.6	5.6	5.3	4.9	119
6.0	6.2	6.3	5.9	5.8	11.2	13.2	10.9	10.3	10.7	120
5.6	3.0	6.1	7.2	5.0	6.3	7.1	6.3	6.3	5.7	121
14.0	11.1	13.9	16.7	12.6	4.2	4.7	4.4	4.1	3.8	122
2.7	2.2	3.1	3.8	*	5.2	5.2	5.5	5.1	*	123
2.3	2.8	1.9	2.9	*	4.0	4.0	4.3	4.0	*	124
19.8	16.7	21.9	25.4	11.0	6.6	7.9	6.4	6.5	5.6	125
11.5	13.5	11.7	11.3	9.3	7.3	7.9	7.4	7.1	6.7	126
7.7	8.9	5.8	10.0	5.0	3.5	3.6	3.7	3.6	2.9	127
3.4	3.2	3.1	4.4	2.2	2.5	2.6	2.3	2.6	2.2	128
3.2	3.2	3.6	3.5	2.4	3.3	3.4	3.2	3.4	3.2	129
*0.3	*	*	*	*	*4.2	*	*	*	*	130
11.1	7.7	9.2	15.1	10.4	5.0	4.6	5.5	5.2	4.4	131
5.4	3.4	5.8	6.3	5.6	5.7	5.0	5.9	6.2	4.8	132
6.8	6.0	6.3	8.2	6.1	6.6	6.8	7.2	6.4	6.2	133
10.8	13.9	9.0	12.4	7.1	3.5	2.9	3.9	3.9	3.1	134
2.0	3.6	*1.5	1.6	*1.5	2.8	2.9	*3.1	2.7	*2.5	135
20.0	18.9	17.5	23.8	18.0	4.7	4.3	4.9	4.8	4.3	136
41.3	44.1	38.8	44.9	35.5	2.6	2.4	2.7	2.8	2.5	137
3.1	2.4	3.2	2.9	3.9	4.6	5.2	4.8	4.7	3.7	138
3.2	9.5	*1.2	1.5	*1.7	1.6	1.5	*2.0	1.4	*1.8	139
11.6	13.3	10.3	13.3	8.4	1.9	1.7	1.9	2.0	1.8	140
1.6	*1.6	2.0	1.3	*1.5	2.8	*3.0	2.7	3.5	*1.8	141
1.7	*1.4	1.9	1.9	*1.3	3.5	*3.8	3.0	3.7	*3.3	142
4.4	3.6	4.7	5.1	3.2	1.3	1.1	1.1	1.4	1.4	143
...	...	...	...	...	...	...	...	...	...	144
*0.2	-	*	*	*	*2.0	-	*	*	*	145
0.4	*	*	*	*	2.6	*	*	*	*	146
...	...	...	...	...	...	...	...	...	...	147
*	*	*	*	*	*	*	*	*	*	148
15.1	11.9	14.6	17.7	14.7	3.3	3.6	3.4	3.3	3.1	149
...	...	...	...	...	...	...	...	...	...	150
...	...	...	...	...	...	...	...	...	...	151

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		All regions	Northeast	North Central	South	West
152	Chapter 12. Diseases of the skin and subcutaneous tissue 680-709	568	133	146	210	80
153	Cellulitis and abscess, except of digit. 682	238	61	57	87	34
154	Pilonidal cyst. 685	36	10	10	13	*
155	Other infections of the skin and subcutaneous tissue 680-681, 683-684, 686	57	11	12	24	10
156	Other diseases of the skin and subcutaneous tissue 690-709	236	50	67	85	33
157	Chapter 13. Diseases of the musculoskeletal system and connective tissue. 710-739	2,375	399	674	815	487
158	Rheumatoid arthritis, except spine 714	73	11	22	26	14
159	Osteoarthritis and allied disorders, except spine 715	208	40	71	56	41
160	Internal derangement of knee joint 717	62	19	17	14	12
161	Other arthropathies and related disorders 710-713, 716, 718-719	192	31	57	60	44
162	Spondylosis and allied disorders. 721	132	23	36	51	23
163	Derangement and displacement of lumbar disc 722.10, 722.32, 722.52, 722.73, 722.83, 722.93	398	53	111	153	81
164	Derangement and displacement of other intervertebral disc 722.0, 722.11-722.31, 722.39-722.51, 722.6-722.72, 722.80-722.82, 722.90-722.92	111	18	25	40	28
165	Other dorsopathies 720, 723-724	338	52	99	128	60
166	Bursitis and synovitis, except spine 726-727.0, 727.2-727.3	130	27	33	40	30
167	Bunion and deformities of toe 727.1, 735	191	28	50	56	57
168	Disorders of bone and cartilage 730-733	287	49	82	97	58
169	Other diseases of the musculoskeletal system and connective tissue 725, 727.4-729, 734, 736-739	251	48	71	93	39
170	Chapter 14. Congenital anomalies 740-759	317	52	93	110	62
171	Congenital anomaly of heart and circulatory system. . . . 745-747	76	11	20	29	16
172	Other congenital anomalies 740-744, 748-759	241	41	72	82	46
173	Chapter 15. Certain conditions originating in the perinatal period. 760-779	167	22	43	70	32
174	Chapter 16. Symptoms, signs, and ill-defined conditions 780-799	520	109	131	193	87
175	Convulsions 780.3	61	12	12	26	11
176	Chest pain 786.5	82	15	22	29	16
177	Abdominal pain 789.0	90	16	27	34	13
178	Other symptoms, signs, and ill-defined conditions. . . 780.0-780.2, 780.4-786.4, 786.6-788, 789.1-799	288	67	70	105	46
179	Chapter 17. Injury and poisoning 800-999	3,472	642	900	1,244	686
180	Fracture of skull and face bones. 800-803	138	27	39	47	25
181	Fracture of vertebral column. 805-806	55	*9	17	17	12
182	Fracture of radius and ulna. 813	118	19	31	42	26
183	Fracture of neck of femur. 820	244	48	70	73	52
184	Other fractures. 804, 807-812, 814-819, 821-829	559	112	141	182	124
185	Dislocation without fracture 830-839	163	31	41	48	44
186	Sprains and strains of back (including neck). 846-847	269	50	68	124	27
187	Concussion (excluding those with skull fracture). 850	146	44	35	38	28
188	Intracranial injury, except concussion (excluding those with skull fracture). 851-854	124	20	33	47	25
189	Internal injury of chest, abdomen, and pelvis 860-869	91	16	20	32	23
190	Laceration and open wound of eye, ear, and head 870-873	90	14	25	37	13
191	Laceration and open wound of other locations. 874-904	225	42	40	102	42
192	Late effects of injuries, poisonings, toxic effects, and other external causes 905-909	55	*6	18	17	13
193	Burns 940-949	86	16	23	32	14
194	Other injury 840-845, 848, 910-939, 950-959	427	77	106	163	81
195	Poisoning by drugs, medicinal agents, and biological substances. 960-979	169	35	45	52	36
196	Toxic effects of substances chiefly nonmedicinal as to source. 980-989	60	*8	11	30	11

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	
Rate per 10,000 population					Average length of stay in days					
24.2	26.8	24.8	26.4	17.3	8.0	9.3	7.9	7.8	6.4	152
10.2	12.3	9.7	10.9	7.4	8.1	11.1	7.9	6.8	6.4	153
1.5	2.0	1.7	1.6	*	3.2	2.9	3.4	3.5	*	154
2.4	2.2	2.0	3.0	2.2	7.3	11.0	5.3	7.1	6.1	155
10.1	10.1	11.4	10.7	7.1	8.7	8.1	9.1	9.6	6.8	156
101.3	80.4	114.3	102.3	105.5	7.0	8.3	7.2	6.7	5.9	157
3.1	2.2	3.7	3.3	3.0	8.9	10.7	9.5	8.5	7.5	158
8.9	8.1	12.0	7.0	8.9	10.2	11.3	11.1	9.0	9.5	159
2.6	3.8	2.9	1.8	2.6	3.0	2.8	3.1	3.8	2.1	160
8.2	6.2	9.7	7.5	9.5	7.1	8.5	6.9	6.9	6.5	161
5.6	4.6	6.1	6.4	5.0	7.5	8.3	8.6	7.1	5.9	162
17.0	10.7	18.8	19.2	17.5	7.8	9.7	7.7	8.0	6.2	163
4.7	3.6	4.2	5.0	6.1	6.9	8.7	7.9	7.0	4.7	164
14.4	10.5	16.8	16.1	13.0	7.2	9.4	6.8	6.8	6.7	165
5.5	5.4	5.6	5.0	6.5	3.8	4.3	4.3	3.6	2.9	166
8.1	5.6	8.5	7.0	12.3	3.2	3.9	3.8	2.8	2.8	167
12.2	9.9	13.9	12.2	12.6	9.3	13.2	8.4	8.5	8.6	168
10.7	9.7	12.0	11.7	8.4	4.6	4.5	4.9	4.7	3.7	169
13.5	10.5	15.8	13.8	13.4	6.0	5.8	6.3	5.4	6.8	170
3.2	2.2	3.4	3.6	3.5	6.3	6.4	6.5	6.2	6.4	171
10.3	8.3	12.2	10.3	10.0	5.9	5.6	6.3	5.2	6.9	172
7.1	4.4	7.3	8.8	6.9	12.2	17.6	16.5	9.3	8.9	173
22.2	22.0	22.2	24.2	18.8	4.1	5.4	4.3	3.8	3.0	174
2.6	2.4	2.0	3.3	2.4	3.0	3.4	3.2	3.2	1.6	175
3.5	3.0	3.7	3.6	3.5	2.8	3.3	2.9	2.8	2.1	176
3.8	3.2	4.6	4.3	2.8	2.9	2.9	3.2	2.7	2.6	177
12.3	13.5	11.9	13.2	10.0	5.1	6.8	5.3	4.6	3.8	178
148.1	129.4	152.6	156.1	148.5	6.8	8.2	7.1	6.5	5.8	179
5.9	5.4	6.6	5.9	5.4	4.9	5.0	4.0	5.1	5.6	180
2.3	*1.8	2.9	2.1	2.6	12.6	*12.7	12.1	15.9	8.4	181
5.0	3.8	5.3	5.3	5.6	4.3	5.1	4.6	4.3	3.5	182
10.4	9.7	11.9	9.2	11.3	15.8	21.6	14.4	16.0	11.7	183
23.8	22.6	23.9	22.8	26.9	8.3	11.0	8.3	7.8	6.8	184
7.0	6.2	7.0	6.0	9.5	3.6	3.4	4.1	4.0	2.9	185
11.5	10.1	11.5	15.6	5.8	6.4	7.4	6.7	6.3	4.8	186
6.2	8.9	5.9	4.8	6.1	3.8	4.8	2.7	4.6	2.6	187
5.3	4.0	5.6	5.9	5.4	7.0	8.3	5.7	7.1	7.6	188
3.9	3.2	3.4	4.0	5.0	7.1	7.8	7.9	7.0	6.1	189
3.8	2.8	4.2	4.6	2.8	3.7	3.1	4.3	3.7	3.1	190
9.6	8.5	6.8	12.8	9.1	4.8	6.1	4.4	4.9	3.9	191
2.3	1.2	*3.1	2.1	2.8	7.4	7.0	*6.1	7.8	8.8	192
3.7	3.2	3.9	4.0	3.0	10.8	13.8	10.4	9.8	10.5	193
18.2	15.5	18.0	20.5	17.5	4.3	5.1	4.5	4.2	3.7	194
7.2	7.1	7.6	6.5	7.8	4.8	5.2	5.4	4.6	4.0	195
2.6	*1.6	1.9	3.8	2.4	2.8	*3.4	2.0	3.1	2.2	196

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>Diagnostic category and ICD-9-CM code</i>		<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>
		Number in thousands				
Chapter 17. Injury and poisoning—Con.						
197	Other and unspecified effects of external causes 990-995	105	20	26	44	15
198	Other complications of surgical and medical care 996-999	349	47	109	116	76
199	Supplementary classification of factors influencing health status V01-V82	4,308	772	1,075	1,577	884
200	Persons with potential health hazards related to personal and family history V10-V19	85	18	23	29	15
201	Persons admitted for sterilization. V25.2	113	29	15	55	13
202	Females with deliveries V27	3,853	668	973	1,406	806
203	Other factors influencing health status and contact with health services V01-V07, V20-V25.1, V25.3-V26, V28, V30-V39 (with 3rd digit 1 or 2), V40-V82	257	56	63	87	50

Table 4. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1984—Con.

[Discharges from non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	<i>All regions</i>	<i>Northeast</i>	<i>North Central</i>	<i>South</i>	<i>West</i>	
Rate per 10,000 population					Average length of stay in days					
4.5	4.0	4.4	5.5	3.2	4.1	4.5	3.6	4.4	3.7	197
14.9	9.5	18.5	14.6	16.5	8.5	9.4	10.5	7.3	6.9	198
183.8	155.6	182.3	197.9	191.4	3.4	3.9	3.7	3.3	2.7	199
3.6	3.6	3.9	3.6	3.2	4.5	6.1	4.8	3.7	3.4	200
4.8	5.8	2.5	6.9	2.8	1.8	2.0	2.0	1.8	1.4	201
164.3	134.6	165.0	176.5	174.5	3.4	3.9	3.7	3.4	2.7	202
11.0	11.3	10.7	10.9	10.8	3.2	3.4	3.6	3.0	2.8	203

Table 5. Number and discharge rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories, age, and sex: United States, 1984

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Both sexes				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
		Number in thousands				
01	All categories	104,261	6,104	32,286	23,643	42,228
02	Chapter 1. Infectious and parasitic diseases. 001-139	1,996	348	575	345	728
03	Viral diseases. 045-079. 138, 139.0-139.1	499	132	188	70	109
04	Other infectious and parasitic diseases. 001-041, 080-137, 139.8	1,497	216	387	275	619
05	Chapter 2. Neoplasms. 140-239	4,873	77	763	1,621	2,412
06	Malignant neoplasms, carcinoma-in-situ 140-208, 230-234	3,816	42	345	1,282	2,147
07	Malignant neoplasm of lip, oral cavity, and pharynx 140-149	60	*	*	28	28
08	Malignant neoplasm of large intestine and rectum 153-154, 197.5	272	*	*9	76	187
09	Malignant neoplasm of other digestive organs and peritoneum. 150-152, 155-159, 197.4, 197.6-197.8	377	*	20	121	235
10	Malignant neoplasm of trachea, bronchus, and lung. 162, 197.0, 197.3	513	*	20	219	274
11	Malignant neoplasm of bone, connective tissue, and skin. 170-173, 198.2, 198.5	294	*7	31	89	167
12	Malignant neoplasm of breast. 174-175, 198.81	304	*	36	127	141
13	Malignant neoplasm of female genital organs 179-184, 198.6	249	*	31	109	109
14	Malignant neoplasm of prostate 185	234	*	*	37	195
15	Malignant neoplasm of urinary organs 188, 189, 198.0-198.1	181	*	*6	42	132
16	Leukemia 204-208	126	14	15	21	75
17	Other malignant neoplasm of hematopoietic tissue 196, 200-203	327	*7	42	109	169
18	Malignant neoplasm of other and unspecified sites, carcinoma-in-situ. 160-161, 163-165, 186-187, 190-195, 197.1-197.2, 198.3-198.4, 198.7, 198.82-199, 230-234	880	10	128	306	436
19	Benign neoplasms and neoplasms of uncertain behavior and unspecified nature. 210-229, 235-239	1,057	35	418	339	265
20	Benign neoplasm of the digestive system. 210-211	141	*	18	42	79
21	Benign neoplasm of bone and connective tissue. 213-215	118	*8	45	40	24
22	Benign neoplasm of the breast. 217	31	*	17	*9	*
23	Benign neoplasm of the uterus 218-219	344	-	203	121	21
24	Benign neoplasm of other female genital organs 220-221	60	*	38	13	*8
25	Other benign neoplasms and neoplasms of uncertain behavior and unspecified nature. 212, 216, 222-229, 235-239	364	24	97	114	129
26	Chapter 3. Endocrine, nutritional and metabolic diseases, and immunity disorders. 240-279	6,625	298	1,095	1,934	3,297
27	Diseases of the thyroid gland 240-246	428	*5	71	127	225
28	Diabetes mellitus without complication 250.0	2,038	16	200	649	1,173
29	Diabetes mellitus with complication. 250.1-250.9	903	17	201	296	389
30	Other diseases of the endocrine glands 251-259	263	15	69	71	107
31	Obesity 278.0	636	*6	167	288	174
32	Other nutritional deficiencies and metabolic and immunity disorders 260-277, 278.1-279	2,358	240	386	504	1,229
33	Chapter 4. Diseases of the blood and blood-forming organs 280-289	1,960	137	497	383	942
34	Anemias. 280-285	1,526	76	397	274	779
35	Other diseases of the blood and blood-forming organs 286-289	434	61	100	110	163

Table 5. Number and discharge rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories, age, and sex: United States, 1984—Con.

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

		<i>Both sexes</i>							
<i>Male</i>	<i>Female</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15–44 years</i>	<i>45–64 years</i>	<i>65 years and over</i>	<i>Male</i>	<i>Female</i>	
Number in thousands—Con.		Rate per 10,000 population							
41,672	62,589	4,447.2	1,179.9	2,936.2	5,287.8	15,059.9	3,681.3	5,162.2	01
844	1,152	85.1	67.3	52.3	77.2	259.6	74.6	95.0	02
224	275	21.3	25.5	17.1	15.7	38.9	19.8	22.7	03
620	877	63.9	41.8	35.2	61.5	220.8	54.8	72.3	04
2,067	2,806	207.9	14.9	69.4	362.5	860.2	182.6	231.4	05
1,800	2,016	162.8	8.1	31.4	286.7	765.7	159.0	166.3	06
40	19	2.6	*	*	6.3	10.0	3.5	1.6	07
124	148	11.6	*	*0.8	17.0	66.7	11.0	12.2	08
193	184	16.1	*	1.8	27.1	83.8	17.1	15.2	09
313	201	21.9	*	1.8	49.0	97.7	27.7	16.6	10
141	152	12.5	*1.4	2.8	19.9	59.6	12.5	12.5	11
*	300	13.0	*	3.3	28.4	50.3	*	24.7	12
...	249	10.6	*	2.8	24.4	38.9	...	20.5	13
234	...	10.0	*	*	8.3	69.5	20.7	...	14
124	57	7.7	*	*0.5	9.4	47.1	11.0	4.7	15
66	60	5.4	2.7	1.4	4.7	26.7	5.8	4.9	16
151	176	13.9	1.4	3.8	24.4	60.3	13.3	14.5	17
411	469	37.5	1.9	11.6	68.4	155.5	36.3	38.7	18
267	790	45.1	6.8	38.0	75.8	94.5	23.6	65.2	19
65	75	6.0	*	1.6	9.4	28.2	5.7	6.2	20
57	61	5.0	*1.5	4.1	8.9	8.6	5.0	5.0	21
*	30	1.3	*	1.5	*2.0	*	*	2.5	22
...	344	14.7	-	18.5	27.1	7.5	...	28.4	23
...	60	2.6	*	3.5	2.9	*2.9	...	4.9	24
143	220	15.5	4.6	8.8	25.5	46.0	12.6	18.0	25
2,502	4,123	282.6	57.6	99.6	432.5	1,175.8	221.0	340.1	26
72	355	18.3	*1.0	6.5	28.4	80.2	6.4	29.3	27
812	1,225	86.9	3.1	18.2	145.2	418.3	71.7	101.0	28
357	546	38.5	3.3	18.3	66.2	138.7	31.5	45.0	29
96	167	11.2	2.9	6.3	15.9	38.2	8.5	13.8	30
198	438	27.1	*1.2	15.2	64.4	62.1	17.5	36.1	31
967	1,391	100.6	46.4	35.1	112.7	438.3	85.4	114.7	32
748	1,212	83.6	26.5	45.2	85.7	335.9	66.1	100.0	33
539	987	65.1	14.7	36.1	61.3	277.8	47.6	81.4	34
209	225	18.5	11.8	9.1	24.6	58.1	18.5	18.6	35

Table 5. Number and discharge rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories, age, and sex: United States, 1984—Con.

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Both sexes				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
		Number in thousands				
36	Chapter 5. Mental disorders 290-319	4,639	105	2,122	1,143	1,268
37	Organic psychotic conditions. 290-294	370	*	87	84	198
38	Schizophrenic disorders 295	235	*	154	54	25
39	Other psychoses 296-299	612	*8	227	149	228
40	Anxiety states 300.0	252	*	90	85	74
41	Other neuroses and personality disorders . . . 300.1-301	662	16	370	162	114
42	Alcohol dependence syndrome. 303	849	*	447	300	100
43	Drug dependence. 304	131	*	98	19	12
44	Nondependent abuse of drugs (including alcohol) 305	392	*6	261	83	42
45	Other mental disorders and mental retardation 302, 306-319	1,136	65	389	206	476
46	Chapter 6. Diseases of the nervous system and sense organs. 320-389	4,313	596	803	918	1,996
47	Epilepsy 345	159	23	59	37	40
48	Other disorders of the central nervous system 320-336, 340-344, 346-349	1,392	86	291	290	726
49	Disorders of the peripheral nervous system. 337, 350-359	523	10	146	187	180
50	Cataract. 366	572	*	15	89	464
51	Other disorders of the eye 360-365, 367-379	849	77	161	199	411
52	Otitis media and eustachian tube disorders. . . 381-382	418	350	32	23	13
53	Other diseases of the ear and mastoid process 380, 383-389	401	46	99	93	162
54	Chapter 7. Diseases of the circulatory system. 390-459	20,445	116	1,353	5,482	13,494
55	Essential hypertension. 401	2,789	*10	260	958	1,561
56	Heart disease 391-392.0, 393-398, 402, 404, 410-429	12,629	72	649	3,326	8,581
57	Hypertensive heart disease 402, 404	446	*	11	118	316
58	Acute myocardial infarction. 410	811	*	46	284	481
59	Other acute and subacute forms of ischemic heart disease 411	516	*	29	185	302
60	Angina pectoris 413	929	*	52	328	547
61	Coronary atherosclerosis 414.0	1,870	*5	39	416	1,408
62	Other chronic ischemic heart disease. 412, 414.1-414.9	1,803	*	79	660	1,061
63	Pulmonary heart disease 415-416	246	*6	25	74	142
64	Cardiac dysrhythmias. 427	2,245	19	130	488	1,607
65	Congestive heart failure 428.0	1,661	12	32	274	1,343
66	Cardiovascular disease, unspecified 429.2	481	*	*7	91	381
67	Other heart disease. 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9	1,621	23	198	408	992
68	Intracranial hemorrhage 430-432	81	*	12	22	44
69	Occlusion of cerebral arteries. 434	216	*	*7	52	157
70	Transient cerebral ischemia 435	399	*	10	83	305
71	Acute, but ill-defined, cerebrovascular disease . . . 436	448	*	*9	73	364
72	Other cerebrovascular disease 433, 437-438	869	*6	20	164	680
73	Atherosclerosis 440	932	*	13	172	743
74	Aneurysm. 441-442	162	-	*5	36	121
75	Other diseases of arteries, arterioles, and capillaries 443-448	623	*	36	188	394
76	Phlebitis and thrombophlebitis. 451	205	*	48	67	89
77	Varicose veins of lower extremities 454	134	*	31	42	61
78	Hemorrhoids. 455	326	-	134	117	74
79	Other diseases of the circulatory system. 390, 392.9, 403, 405, 417, 452-453, 456-459	631	12	119	181	319
80	Chapter 8. Diseases of the respiratory system. 460-519	7,719	1,337	1,360	1,702	3,320
81	Acute bronchitis and bronchiolitis 466	412	104	52	92	164
82	Other acute upper respiratory infections, except influenza 460-465	467	225	131	48	63

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		<i>Both sexes</i>							
<i>Male</i>	<i>Female</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	<i>Male</i>	<i>Female</i>	
Number in thousands—Con.		Rate per 10,000 population							
2,255	2,384	197.9	20.3	193.0	255.6	452.2	199.2	196.6	36
208	162	15.8	*	7.9	18.8	70.6	18.4	13.4	37
113	121	10.0	*	14.0	12.1	8.9	10.0	10.0	38
231	381	26.1	*1.5	20.6	33.3	81.3	20.4	31.4	39
80	172	10.7	*	8.2	19.0	26.4	7.1	14.2	40
235	427	28.2	3.1	33.6	36.2	40.7	20.8	35.2	41
623	227	36.2	*	40.7	67.1	35.7	55.0	18.7	42
77	54	5.6	*	8.9	4.2	4.3	6.8	4.5	43
223	169	16.7	*1.2	23.7	18.6	15.0	19.7	13.9	44
466	670	48.5	12.6	35.4	46.1	169.8	41.2	55.3	45
1,957	2,356	184.0	115.2	73.0	205.3	711.8	172.9	194.3	46
80	79	6.8	4.4	5.4	8.3	14.3	7.1	6.5	47
677	715	59.4	16.6	26.5	64.9	258.9	59.8	59.0	48
219	304	22.3	1.9	13.3	41.8	64.2	19.3	25.1	49
198	374	24.4	*	1.4	19.9	165.5	17.5	30.8	50
366	483	36.2	14.9	14.6	44.5	146.6	32.3	39.8	51
235	183	17.8	67.7	2.9	5.1	4.6	20.8	15.1	52
183	218	17.1	8.9	9.0	20.8	57.8	16.2	18.0	53
9,773	10,673	872.1	22.4	123.0	1,226.1	4,812.4	863.3	880.3	54
1,109	1,681	119.0	*1.9	23.6	214.3	556.7	98.0	138.6	55
6,278	6,351	538.7	13.9	59.0	743.9	3,060.3	554.6	523.8	56
177	269	19.0	*	1.0	26.4	112.7	15.6	22.2	57
493	318	34.6	*	4.2	63.5	171.5	43.6	26.2	58
257	258	22.0	*	2.6	41.4	107.7	22.7	21.3	59
448	481	39.6	*	4.7	73.4	195.1	39.6	39.7	60
942	928	79.8	*1.0	3.5	93.0	502.1	83.2	76.5	61
1,055	748	76.9	*	7.2	147.6	378.4	93.2	61.7	62
125	121	10.5	*1.2	2.3	16.6	50.6	11.0	10.0	63
1,123	1,122	95.8	3.7	11.8	109.1	573.1	99.2	92.5	64
729	933	70.8	2.3	2.9	61.3	479.0	64.4	77.0	65
212	269	20.5	*	*0.6	20.4	135.9	18.7	22.2	66
716	905	69.1	4.4	18.0	91.3	353.8	63.3	74.6	67
42	39	3.5	*	1.1	4.9	15.7	3.7	3.2	68
101	116	9.2	*	*0.6	11.6	56.0	8.9	9.6	69
178	221	17.0	*	0.9	18.6	108.8	15.7	18.2	70
202	245	19.1	*	*0.8	16.3	129.8	17.8	20.2	71
399	470	37.1	*1.2	1.8	36.7	242.5	35.2	38.8	72
423	509	39.8	*	1.2	38.5	265.0	37.4	42.0	73
112	51	6.9	-	*0.5	8.1	43.2	9.9	4.2	74
337	286	26.6	*	3.3	42.0	140.5	29.8	23.6	75
73	133	8.7	*	4.4	15.0	31.7	6.4	11.0	76
48	86	5.7	*	2.8	9.4	21.8	4.2	7.1	77
166	160	13.9	-	12.2	26.2	26.4	14.7	13.2	78
305	326	26.9	2.3	10.8	40.5	113.8	26.9	26.9	79
3,947	3,772	329.2	258.4	123.7	380.7	1,184.0	348.7	311.1	80
187	225	17.6	20.1	4.7	20.6	58.5	16.5	18.6	81
218	249	19.9	43.5	11.9	10.7	22.5	19.3	20.5	82

Table 5. Number and discharge rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories, age, and sex: United States, 1984—Con.

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Both sexes				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
		Number in thousands				
Chapter 8. Diseases of the respiratory system—Con.						
83	Deviated nasal septum 470	177	*7	123	37	*10
84	Chronic disease of tonsils and adenoids 474	429	300	123	*5	*
85	Pneumonia, all forms 480-486	1,337	282	166	226	662
86	Influenza 487	108	14	33	21	40
87	Bronchitis, chronic and unspecified 490-491	565	51	76	167	271
88	Emphysema 492	216	*	12	62	142
89	Asthma 493	739	188	170	174	207
90	Pleurisy 511	299	*	41	79	176
91	Other diseases of the respiratory system 471-473, 475-478, 494-496, 500-510, 512-519	2,970	163	434	790	1,583
92	Chapter 9. Diseases of the digestive system 520-579	9,009	566	2,381	2,431	3,632
93	Disturbance of tooth eruption 520.6	35	*	27	*	*
94	Other diseases of the teeth, jaw, and mouth 520.0-520.5, 520.7-529					
95	Diseases of the esophagus 530	573	27	113	175	258
96	Gastric ulcer 531	184	*	23	56	105
97	Duodenal ulcer 532	199	*	49	55	93
98	Other and unspecified peptic ulcer 533-534	221	*	46	69	104
99	Gastritis and duodenitis 535	689	26	222	211	229
100	Other diseases of the stomach 536-537	205	12	54	55	83
101	Acute appendicitis without mention of peritonitis 540.9	174	42	112	14	*6
102	Other appendicitis and other diseases of the appendix 540.0-540.1, 541-543	142	32	75	20	15
103	Inguinal hernia 550	533	72	135	149	176
104	Other hernia of abdominal cavity 551-553	756	18	119	243	375
105	Regional enteritis and idiopathic proctocolitis 555-556	103	*	52	23	26
106	Other noninfectious gastroenteritis and colitis 558	714	213	196	118	187
107	Intestinal obstruction without mention of hernia 560	377	15	60	88	215
108	Diverticula of intestine 562	554	*	22	135	396
109	Other functional digestive disorders of intestines 564	310	14	101	76	120
110	Anal fissure, fistula, and abscess 565-566	137	*	65	46	23
111	Other disorders of intestine and peritoneum 557, 567-569	573	16	201	138	218
112	Chronic liver disease and cirrhosis 571	321	*	82	130	106
113	Other diseases of the liver 570, 572-573	226	*	56	83	82
114	Cholelithiasis 574	776	*	228	227	319
115	Cholecystitis 575.0-575.1	121	*	38	35	48
116	Other disorders of gallbladder and biliary tract 575.2-576	136	*	34	37	63
117	Diseases of the pancreas 577	242	*	90	83	67
118	Gastrointestinal hemorrhage and intestinal malabsorption 578-579	422	13	63	88	258
119	Chapter 10. Diseases of the genitourinary system 580-629	7,769	230	3,106	1,772	2,661
120	Nephritis, nephrotic syndrome, and nephrosis 580-589	671	20	112	156	381
121	Infections of kidney 590	191	13	81	32	65
122	Calculus of kidney and ureter 592	423	*	177	157	88
123	Cystitis 595	208	*6	45	51	106
124	Urethral stricture 598	143	17	27	37	62
125	Other disorders of urinary system 591, 593-594, 596-597, 599	1,938	87	300	373	1,179
126	Hyperplasia of prostate 600	512	*	*5	130	376
127	Other disorders of the male genital organs 601-608	398	58	101	123	116
128	Benign mammary dysplasia 610	143	*	62	59	22
129	Inflammatory disease of breast 611	128	*	66	37	23
130	Cervicitis and endocervicitis 616.0	118	-	77	32	10
131	Other inflammatory disease of female pelvic organs 614-615, 616.1-616.9	607	*6	528	51	22

Table 5. Number and discharge rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories, age, and sex: United States, 1984—Con.

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

		<i>Both sexes</i>							
<i>Male</i>	<i>Female</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	<i>Male</i>	<i>Female</i>	
Number in thousands—Con.		Rate per 10,000 population							
90	87	7.6	*1.4	11.2	8.3	*3.6	8.0	7.2	83
194	235	18.3	58.0	11.2	*1.1	*	17.1	19.4	84
684	652	57.0	54.5	15.1	50.5	236.1	60.4	53.8	85
39	70	4.6	2.7	3.0	4.7	14.3	3.4	5.8	86
276	289	24.1	9.9	6.9	37.4	96.6	24.4	23.8	87
142	74	9.2	*	1.1	13.9	50.6	12.5	6.1	88
302	436	31.5	36.3	15.5	38.9	73.8	26.7	36.0	89
139	161	12.8	*	3.7	17.7	62.8	12.3	13.3	90
1,676	1,294	126.7	31.5	39.5	176.7	564.6	148.1	106.7	91
3,976	5,033	384.3	109.4	216.5	543.7	1,295.3	351.2	415.1	92
13	22	1.5	*	2.5	*	*	1.1	1.8	93
128	159	12.2	7.3	10.7	16.6	20.3	11.3	13.1	94
247	327	24.4	5.2	10.3	39.1	92.0	21.8	27.0	95
80	104	7.8	*	2.1	12.5	37.4	7.1	8.6	96
120	80	8.5	*	4.5	12.3	33.2	10.6	6.6	97
107	114	9.4	*	4.2	15.4	37.1	9.5	9.4	98
303	386	29.4	5.0	20.2	47.2	81.7	26.8	31.8	99
79	126	8.7	2.3	4.9	12.3	29.6	7.0	10.4	100
101	73	7.4	8.1	10.2	3.1	*2.1	8.9	6.0	101
67	75	6.1	6.2	6.8	4.5	5.4	5.9	6.2	102
467	66	22.7	13.9	12.3	33.3	62.8	41.3	5.4	103
256	499	32.2	3.5	10.8	54.3	133.8	22.6	41.2	104
45	58	4.4	*	4.7	5.1	9.3	4.0	4.8	105
270	445	30.5	41.2	17.8	26.4	66.7	23.9	36.7	106
155	222	16.1	2.9	5.5	19.7	76.7	13.7	18.3	107
198	356	23.6	*	2.0	30.2	141.2	17.5	29.4	108
85	226	13.2	2.7	9.2	17.0	42.8	7.5	18.6	109
85	51	5.8	*	5.9	10.3	8.2	7.5	4.2	110
185	388	24.4	3.1	18.3	30.9	77.7	16.3	32.0	111
194	127	13.7	*	7.5	29.1	37.8	17.1	10.5	112
117	109	9.6	*	5.1	18.6	29.2	10.3	9.0	113
246	529	33.1	*	20.7	50.8	113.8	21.7	43.6	114
39	82	5.2	*	3.5	7.8	17.1	3.4	6.8	115
49	87	5.8	*	3.1	8.3	22.5	4.3	7.2	116
132	109	10.3	*	8.2	18.6	23.9	11.7	9.0	117
208	214	18.0	2.5	5.7	19.7	92.0	18.4	17.7	118
2,538	5,231	331.4	44.5	282.5	396.3	949.0	224.2	431.4	119
338	332	28.6	3.9	10.2	34.9	135.9	29.9	27.4	120
43	149	8.1	2.5	7.4	7.2	23.2	3.8	12.3	121
272	152	18.0	*	16.1	35.1	31.4	24.0	12.5	122
51	158	8.9	*1.2	4.1	11.4	37.8	4.5	13.0	123
89	55	6.1	3.3	2.5	8.3	22.1	7.9	4.5	124
814	1,124	82.7	16.8	27.3	83.4	420.5	71.9	92.7	125
512	-	21.8	*	*0.5	29.1	134.1	45.2	-	126
398	-	17.0	11.2	9.2	27.5	41.4	35.2	-	127
*	142	6.1	*	5.6	13.2	7.8	*	-	128
20	108	5.5	*	6.0	8.3	8.2	1.8	8.9	129
...	118	5.0	-	7.0	7.2	3.6	...	9.7	130
...	607	25.9	*1.2	48.0	11.4	7.8	...	50.1	131

Table 5. Number and discharge rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories, age, and sex: United States, 1984—Con.

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Both sexes				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
		Number in thousands				
Chapter 10. Diseases of the genitourinary system—Con.						
132	Endometriosis 617	350	*	273	68	*8
133	Genital prolapse (female) 618	315	-	122	109	84
134	Disorders of menstruation and other abnormal vaginal bleeding 626	400	*	300	93	*
135	Menopausal and postmenopausal disorders 627	85	-	*8	50	27
136	Other disruptions of the female genital tract 619-625, 628-629	1,136	12	823	213	88
137	Chapter 11. Complications of pregnancy, childbirth, and the puerperium ¹ 630-676	6,362	25	6,327	10	...
138	Ectopic pregnancy 633	76	*	75	*	...
139	Induced abortion 635-636	82	*	81	*	...
140	Other pregnancy with abortive outcome 630-632, 634, 637-639	303	*	299	*	...
141	Antepartum hemorrhage, abruptio placentae, and placenta previa 641	109	-	109	-	...
142	Hypertension complicating pregnancy, childbirth, and the puerperium 642	212	*	209	*	...
143	False labor 644.1	108	*	108	-	...
144	Fetopelvic disproportion 653.4	165	*	165	-	...
145	Uterine scar from previous surgery 654.2	305	-	304	*	...
146	Rupture of membranes 658.1-658.3	180	*	178	-	...
147	Umbilical cord complications 663	151	*	151	*	...
148	Trauma to perineum and vulva during delivery 664	437	*	435	*	...
149	Other complications of pregnancy 640, 643-644.0, 644.2-648, 651-653.3, 653.5-654.1, 654.3-658.0, 658.4-662, 665-676	2,659	*9	2,645	*5	...
150	Delivery without mention of complication 650	1,575	*6	1,568	*	...
151	Complications of delivery 640-648, 651-676, with 5th digit 1 or 2	3,555	11	3,539	*5	...
152	Chapter 12. Diseases of the skin and subcutaneous tissue 680-709	1,364	105	418	355	486
153	Cellulitis and abscess, except of digit 682	374	31	116	103	124
154	Pilonidal cyst 685	40	*	36	*	*
155	Other infections of the skin and subcutaneous tissue 680-681, 683-684, 686	119	17	40	34	29
156	Other diseases of the skin and subcutaneous tissue 690-709	831	56	227	215	332
157	Chapter 13. Diseases of the musculoskeletal system and connective tissue 710-739	5,855	117	1,562	1,694	2,482
158	Rheumatoid arthritis, except spine 714	244	*	26	81	133
159	Osteoarthritis and allied disorders, except spine 715	1,030	*	32	223	771
160	Internal derangement of knee joint 717	120	*	80	27	10
161	Other arthropathies and related disorders 710-713, 716, 718-719	603	25	172	157	249
162	Spondylosis and allied disorders 721	427	*	40	155	231
163	Derangement and displacement of lumbar disc 722.10, 722.32, 722.52, 722.73, 722.83, 722.93	497	*	252	171	72
164	Derangement and displacement of other intervertebral disc 722.0, 722.11-722.31, 722.39-722.51, 722.6-722.72, 722.80-722.82, 722.90-722.92	176	*	63	75	37
165	Other dorsopathies 720, 723-724	627	*	260	203	162
166	Bursitis and synovitis, except spine 726-727.0, 727.2-727.3	288	10	93	114	71
167	Bunion and deformities of toe 727.1, 735	421	*7	151	165	98
168	Disorders of bone and cartilage 730-733	761	25	126	148	462
169	Other diseases of the musculoskeletal system and connective tissue 725, 727.4-729, 734, 736-739	661	33	266	176	185

¹First-listed diagnosis for females with deliveries is V27, shown under "Supplementary classification of factors influencing health status."

Table 5. Number and discharge rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories, age, and sex: United States, 1984—Con.

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

		<i>Both sexes</i>							
<i>Male</i>	<i>Female</i>	<i>All ages</i>	<i>Under 15 years</i>	<i>15-44 years</i>	<i>45-64 years</i>	<i>65 years and over</i>	<i>Male</i>	<i>Female</i>	
Number in thousands—Con.		Rate per 10,000 population							
...	350	14.9	*	24.8	15.2	*2.9	...	28.9	132
...	315	13.4	-	11.1	24.4	30.0	...	26.0	133
...	400	17.1	*	27.3	20.8	*	...	33.0	134
...	85	3.6	-	*0.7	11.2	9.6	...	7.0	135
...	1,136	48.5	2.3	74.8	47.6	31.4	...	93.7	136
...	6,362	271.4	4.8	575.4	2.2	...	...	524.7	137
...	76	3.2	*	6.8	*	...	...	6.3	138
...	82	3.5	*	7.3	*	...	...	6.8	139
...	303	12.9	*	27.2	*	...	...	25.0	140
...	109	4.6	-	9.9	-	...	...	9.0	141
...	212	9.0	*	19.0	*	...	...	17.5	142
...	108	4.6	*	9.8	-	...	...	8.9	143
...	165	7.0	*	15.0	-	...	...	13.6	144
...	305	13.0	-	27.6	*	...	...	25.2	145
...	180	7.7	*	16.2	-	...	...	14.8	146
...	151	6.4	*	13.7	*	...	...	12.5	147
...	437	18.6	*	39.6	*	...	...	36.0	148
...	2,659	113.4	*1.7	240.5	*1.1	...	...	219.3	149
...	1,575	67.2	*1.2	142.6	*	...	...	129.9	150
...	3,555	151.6	2.1	321.9	*1.1	...	...	293.2	151
609	755	58.2	20.3	38.0	79.4	173.3	53.8	62.3	152
194	180	16.0	6.0	10.5	23.0	44.2	17.1	14.8	153
18	22	1.7	*	3.3	*	*	1.6	1.8	154
60	58	5.1	3.3	3.6	7.6	10.3	5.3	4.8	155
337	495	35.4	10.8	20.6	48.1	118.4	29.8	40.8	156
2,179	3,676	249.7	22.6	142.1	378.9	885.2	192.5	303.2	157
63	182	10.4	*	2.4	18.1	47.4	5.6	15.0	158
313	717	43.9	*	2.9	49.9	275.0	27.7	59.1	159
69	52	5.1	*	7.3	6.0	3.6	6.1	4.3	160
242	361	25.7	4.8	15.6	35.1	88.8	21.4	29.8	161
170	257	18.2	*	3.6	34.7	82.4	15.0	21.2	162
276	221	21.2	*	22.9	38.2	25.7	24.4	18.2	163
88	87	7.5	*	5.7	16.8	13.2	7.8	7.2	164
275	352	26.7	*	23.6	45.4	57.8	24.3	29.0	165
118	171	12.3	1.9	8.5	25.5	25.3	10.4	14.1	166
58	363	18.0	*1.4	13.7	36.9	35.0	5.1	29.9	167
245	517	32.5	4.8	11.5	33.1	164.8	21.6	42.6	168
262	399	28.2	6.4	24.2	39.4	66.0	23.1	32.9	169

Table 5. Number and discharge rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories, age, and sex: United States, 1984—Con.

[All-listed diagnoses in non-Federal short-stay hospitals. Excludes newborn infants. Diagnostic groupings and code number inclusions are based on the *International Classification of Diseases, 9th Revision, Clinical Modification*]

Diagnostic category and ICD-9-CM code		Both sexes				
		All ages	Under 15 years	15-44 years	45-64 years	65 years and over
Number in thousands						
170	Chapter 14. Congenital anomalies 740-759	792	321	211	132	128
171	Congenital anomaly of heart and circulatory system 745-747	183	100	36	26	20
172	Other congenital anomalies 740-744, 748-759	609	221	175	105	107
173	Chapter 15. Certain conditions originating in the perinatal period. 760-779	381	365	*	*13	*
174	Chapter 16. Symptoms, signs, and ill-defined conditions 780-799	5,537	524	1,347	1,433	2,233
175	Convulsions. 780.3	467	120	140	100	107
176	Chest pain. 786.5	550	*	145	246	158
177	Abdominal pain. 789.0	496	42	234	104	116
178	Other symptoms, signs, and ill-defined conditions 780.4-780.2, 780.4-786.4, 786.6-788, 789.1-799	4,024	361	828	983	1,853
179	Chapter 17. Injury and poisoning 800-999	6,556	649	3,077	1,218	1,611
180	Fracture of skull and face bones 800-803	223	39	146	20	18
181	Fracture of vertebral column 805-806	101	*	52	14	35
182	Fracture of radius and ulna 813	169	42	55	28	45
183	Fracture of neck of femur 820	272	*	17	28	223
184	Other fractures 804, 807-812, 814-819, 821-829	891	98	367	162	264
185	Dislocation without fracture. 830-839	263	*9	164	60	29
186	Sprains and strains of back (including neck). 846-847	454	*6	277	116	55
187	Concussion (excluding those with skull fracture). 850	197	42	109	22	23
188	Intracranial injury, except concussion (excluding those with skull fracture) 851-854	163	37	81	17	27
189	Internal injury of chest, abdomen, and pelvis. 860-869	227	19	147	35	27
190	Laceration and open wound of eye, ear, and head 870-873	296	40	163	41	51
191	Laceration and open wound of other locations 874-904	431	39	297	60	36
192	Late effects of injuries, poisonings, toxic effects, and other external causes 905-909	177	11	88	42	36
193	Burns 940-949	127	34	64	19	10
194	Other injury. 840-845, 848, 910-939, 950-959	1,071	109	553	188	220
195	Poisoning by drugs, medicinal agents, and biological substances. 960-979	298	23	144	46	86
196	Toxic effects of substances chiefly nonmedicinal as to source. 980-989	85	19	44	15	*8
197	Other and unspecified effects of external causes 990-995	291	39	93	68	91
198	Other complications of surgical and medical care 996-999	822	39	217	238	329
199	Supplementary classification of factors influencing health status V01-V82	8,065	186	5,287	1,056	1,536
200	Persons with potential health hazards related to personal and family history V10-V19	2,429	83	498	692	1,156
201	Persons admitted for sterilization V25.2	498	-	491	*6	*
202	Females with deliveries. V27	3,853	13	3,837	*	-
203	Other factors influencing health status and contact with health services V01-V07, V20-V25.1, V25.3-V26, V28, V30-V39 (with 3rd digit 1 or 2), V40-V82	1,286	90	462	354	379

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		Both sexes							
Male	Female	All ages	Under 15 years	15-44 years	45-64 years	65 years and over	Male	Female	
Number in thousands—Con.		Rate per 10,000 population							
390	401	33.8	62.0	19.2	29.5	45.6	34.5	33.1	170
91	91	7.8	19.3	3.3	5.8	7.1	8.0	7.5	171
299	310	26.0	42.7	15.9	23.5	38.2	26.4	25.6	172
203	178	16.3	70.6	*	*2.9	*	17.9	14.7	173
2,527	3,010	236.2	101.3	122.5	320.5	796.4	223.2	248.3	174
242	225	19.9	23.2	12.7	22.4	38.2	21.4	18.6	175
256	294	23.5	*	13.2	55.0	56.3	22.6	24.2	176
152	344	21.2	8.1	21.3	23.3	41.4	13.4	28.4	177
1,877	2,147	171.6	69.8	75.3	219.9	660.8	165.8	177.1	178
3,571	2,985	279.6	125.5	279.8	272.4	574.5	315.5	246.2	179
154	69	9.5	7.5	13.3	4.5	6.4	13.6	5.7	180
61	41	4.3	*	4.7	3.1	12.5	5.4	3.4	181
86	83	7.2	8.1	5.0	6.3	16.0	7.6	6.8	182
76	196	11.6	*	1.5	6.3	79.5	6.7	16.2	183
470	421	38.0	18.9	33.4	36.2	94.2	41.5	34.7	184
169	94	11.2	*1.7	14.9	13.4	10.3	14.9	7.8	185
207	246	19.4	*1.2	25.2	25.9	19.6	18.3	20.3	186
117	80	8.4	8.1	9.9	4.9	8.2	10.3	6.6	187
100	63	7.0	7.2	7.4	3.8	9.6	8.8	5.2	188
160	67	9.7	3.7	13.4	7.8	9.6	14.1	5.5	189
194	101	12.6	7.7	14.8	9.2	18.2	17.1	8.3	190
306	125	18.4	7.5	27.0	13.4	12.8	27.0	10.3	191
94	83	7.6	2.1	8.0	9.4	12.8	8.3	6.8	192
94	33	5.4	6.6	5.8	4.2	3.6	8.3	2.7	193
611	460	45.7	21.1	50.3	42.0	78.5	54.0	37.9	194
117	181	12.7	4.4	13.1	10.3	30.7	10.3	14.9	195
52	34	3.6	3.7	4.0	3.4	*2.9	4.6	2.8	196
119	172	12.4	7.5	8.5	15.2	32.5	10.5	14.2	197
385	436	35.1	7.5	19.7	53.2	117.3	34.0	36.0	198
1,586	6,479	344.0	36.0	480.8	236.2	547.8	140.1	534.4	199
1,096	1,332	103.6	16.0	45.3	154.8	412.3	96.8	109.9	200
*6	491	21.2	-	44.7	*1.3	*	*0.5	40.5	201
...	3,853	164.3	2.5	349.0	*	-	...	317.8	202
483	802	54.9	17.4	42.0	79.2	135.2	42.7	66.1	203

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Appendix I

Technical notes on methods

Statistical design of the National Hospital Discharge Survey

Scope of the survey

The National Hospital Discharge Survey (NHDS) consists of patients discharged from noninstitutional hospitals, exclusive of military and Veterans Administration hospitals, located in the 50 States and the District of Columbia. Only hospitals with six beds or more for patient use and those in which the average length of stay for all patients is less than 30 days are included in the survey. Discharges of all patients from Federal hospitals are excluded.

Sample size

The Master Facility Inventory of Hospitals is the universe from which the NHDS sample is drawn. A detailed description of the development, contents, maintenance plans, and assessment of coverage was published in 1965.¹⁵

The original universe for the survey consisted of 6,965 short-stay hospitals contained in the 1963 Master Facility Inventory. This universe is updated periodically (table I). Data on the universe of short-stay non-Federal hospitals are now obtained from the American Hospital Association. The distribution of the current hospitals in the American Hospital Association universe¹⁶ and NHDS sample of in-scope hospitals for 1984 is given by bed size and geographic regions in table II.

The sample for 1984 consisted of 553 hospitals. Of these, 86 refused to participate and 60 were out of scope either be-

Table II. Distribution of short-stay hospitals in the National Hospital Discharge Survey universe and survey sample by geographic region and bed size of hospital: United States, 1984

<i>Bed size of hospital</i>	<i>All regions</i>	<i>North-east</i>	<i>North Central</i>	<i>South</i>	<i>West</i>
All sizes					
Universe	6,023	902	1,704	2,291	1,126
In-scope sample . . .	493	115	140	164	74
0-49 beds					
Universe	1,372	78	415	535	344
In-scope sample . . .	39	6	11	13	9
50-99 beds					
Universe	1,467	160	427	611	269
In-scope sample . . .	62	10	14	30	8
100-199 beds					
Universe	1,398	203	373	571	251
In-scope sample . . .	93	16	22	43	12
200-299 beds					
Universe	733	196	177	237	123
In-scope sample . . .	72	18	21	20	13
300-499 beds					
Universe	715	176	202	224	113
In-scope sample . . .	119	37	35	25	22
500-999 beds					
Universe	309	78	101	105	25
In-scope sample . . .	95	23	34	29	9
1,000 beds or more					
Universe	29	11	9	8	1
In-scope sample . . .	13	5	3	4	1

NOTE: A list of references follows the text.

Table I. Number of hospitals in the National Hospital Discharge Survey (NHDS) universe and number of hospitals added to the NHDS sample by year of addition and year of Master Facility Inventory (MFI) used: United States, 1963-81

<i>MFI data year</i>	<i>NHDS universe and sample</i>		
	<i>Year added</i>	<i>Number added to universe</i>	<i>Number added to sample</i>
1963	1965	6,965	315
1963	1969	...	150
1969	1972	442	32
1972	1975	223	14
1975	1977	273	24
1977	1979	114	9
1979	1981	63	6
1981	1983	50	3

cause the hospital had gone out of business or because it failed to meet the definition of a short-stay hospital. Thus, 407 hospitals participated in the survey during 1984 and provided approximately 192,000 abstracts of medical records.

Sample design

All hospitals with 1,000 beds or more in the 1963 universe of short-stay hospitals were selected with certainty in the sample. All hospitals with fewer than 1,000 were stratified, the primary strata being the 24 size-by-region classes shown in table II. Within each primary stratum, the allocation of the hospitals was made through a controlled selection technique so that hospitals in the sample would be distributed properly 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 sample discharges varied inversely with the probability of hospital selection. The smallest sampling fraction of discharged patients was taken in the largest hospitals, and the largest fraction was taken in the smallest hospitals. This sampling was done to compensate for hospitals that were selected with probabilities proportionate to their size class and to ensure that the overall probability of selecting a discharge would be approximately the same in each size class.

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 that was 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.

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 by either the hospital staff or representatives of the National Center for Health Statistics (NCHS) or by both. In about 50 percent of the hospitals that participated in the NHDS during the year, this work was performed by the medical records department of the hospital. In the remaining hospitals, the work was performed by personnel of the U.S. Bureau of the Census acting for NCHS.

Survey hospitals used an abstract form to transcribe data from the hospital records. The form provides space for recording demographic data, admission and discharge dates, zip code of the patient's residence, expected sources of payment, disposition of the patient at discharge, and information on discharge diagnoses and surgical operations or procedures (figure 1). All discharge diagnoses and procedures were listed on the abstract in the order of the principal one, or the first-listed one if the principal one was not identified, followed by the order in which all other diagnoses or procedures were entered on the face sheet of the medical record.

Completed abstract forms for each sample hospital were shipped, along with sample selection control sheets, to a Census Regional Office. Every shipment of abstracts was reviewed, and each abstract form was checked for completeness. Abstracts then were sent to NCHS for processing.

Medical coding and edit

The medical information recorded on the sample patient abstracts was coded centrally by the NCHS staff. A maximum of seven diagnostic codes was assigned for each sample abstract; in addition, if the medical information included surgical or non-surgical procedures, a maximum of four codes for these procedures was assigned. Following 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 the sex or age of the patient was incompatible with the recorded medical information, priority was given to the medical information in the editing decision.

NHDS medical coders code from abstracts of medical records in the order the diagnoses and procedures are entered. For most abstracts, this coding procedure is relatively free of problems. It was noted, however, that acute myocardial infarction frequently was not the lead entry in a group of circulatory diagnoses. For example, the patient's record may have arteriosclerosis listed first and arteriosclerotic heart disease listed second with acute myocardial infarction listed third. If the usual procedure were followed as it was until 1982, acute myocardial infarction would be coded in third place and retrievable only under the heading of all-listed diagnoses. A decision was made to reorder some acute myocardial infarction diagnoses. The new procedure, based on accepted medical coding practice, states that whenever an acute myocardial infarction is encountered with other circulatory diagnoses and is other than the first entry, it should be reordered to first position.

The system currently used for coding the diagnoses and procedures on NHDS sample patient abstracts is the *International Classification of Diseases, 9th Revision, Clinical Modification*² (ICD-9-CM). Earlier data for 1970-78 were coded according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*¹³ (ICDA), with some modifications. These modifications, which were necessary because of incomplete or ill-defined terminology in the abstracts, are presented elsewhere.¹⁷ It has not been necessary, however, to modify the ICD-9-CM for use in the NHDS.

Both the ICDA and the ICD-9-CM are divided into two main sections: diseases and injuries, and surgical and non-surgical procedures. However, many differences exist between the two classifications. These differences are discussed in a previous report.¹⁸

Some ICD-9-CM diagnostic codes cannot appear alone; they must appear with another diagnostic code. Specifically, the following codes cannot be first-listed: 320.7, 321.1-321.8, 323.0-323.4, 323.6-323.7, 330.2-330.3, 331.7, 334.4, 336.2-336.3, 337.1, 357.1-357.4, 358.1, 359.5-359.6, 362.01-362.02, 362.71-362.72, 364.11, 365.41-365.44, 366.41-366.44, 370.44, 372.15, 372.31-372.33, 373.4-373.6, 374.51, 376.13-376.22, 380.13, 380.15, 382.02, 420.0, 421.1, 422.0, 424.91, 425.7-425.8, 443.81, 456.20-456.21, 484.1-484.8, 516.1, 517.1-517.8, 567.0, 573.1-573.2, 580.81, 581.81, 582.81, 583.81, 590.81, 595.4, 598.01, 601.4, 604.91, 608.81, 616.11, 616.51, 628.1, 711.10-711.89, 712.10-712.39, 713.0-713.8, 720.81, 727.01, 730.70-730.89, 731.1, 731.8, 737.40-737.43, 774.0, 774.31, 774.5. In addition, all discharges with the diagnostic codes 640.0-643.9 and 645.0-676.9 with a fifth digit of 1 or 2 or 650 (indicating delivery) must have a code V27.0-V27.9 as a first-listed diagnosis. Conversely, every discharge with a first-listed diagnosis of V27.0-V27.9 also must have one of these delivery codes.

NOTE: A list of references follows the text.

Presentation of estimates

Grouping of diagnoses

In this report the diagnostic chapters, the broadest groupings of diseases and injuries shown, correspond to ICD-9-CM chapters 1-17 and the supplementary classification of factors influencing health status and contact with health services. The diagnostic categories, the most detailed groupings of diseases and injuries shown, are subsets of the major groups or chapters. The titles and the ordering of the categories in the tabular list developed for the NHDS follow the format of the ICD-9-CM tabular list as closely as possible.

In developing the tables of diagnoses and of procedures, an effort was made to maximize specificity of the conditions or procedures consistent with clarity of characterization, the frequency of their occurrence, and their interest.

Patient characteristics not stated

The age and sex of the patient were not stated on the hospital records (the face sheet of the patient's medical record) for about 1 percent of the discharges. Imputations of these missing items were made by assigning the patient an age or sex consistent with the age or sex of other patients with the same diagnostic code.

If the dates of admission or discharge were not given and could not be obtained from the monthly sample listing sheet transmitted by the sample hospital, a length of stay was imputed by assigning the patient a length of stay characteristic of the stays of other patients of the same age. During 1984 only 0.11 percent of the records were missing the date of admission or discharge.

Rounded numbers

Estimates of the numbers of inpatient discharges, days of care, discharges with procedures, all-listed diagnoses, and all-listed procedures have been rounded to the nearest thousand for tabular presentation. Therefore, detailed figures within the tables do not always add to totals. Rates and percents were calculated on the basis of unrounded figures and will not necessarily agree with computations made from the rounded data.

Population estimates

The population estimates used in computing rates are from published and unpublished estimates for the U.S. civilian population on July 1 of the data year provided by the U.S. Bureau of the Census. The estimates by age and sex and by geographic region are presented in table III and are consistent with the population estimates published in *Current Population Reports*, Series P-25.

Although the civilian noninstitutionalized population was used prior to 1981, it has been determined that the civilian population is more appropriate to use for the NHDS as persons in institutions usually are hospitalized in short-stay hospitals. This is true especially for elderly residents of nursing homes. A comparison of NHDS rates based on the civilian

Table III. Civilian population by age and geographic region: United States, July 1, 1984

[Population estimates consistent with Series P-25, *Current Population Reports*, U.S. Bureau of the Census]

Age and geographic region	Both sexes	Male	Female
Population in thousands			
All ages.....	234,443	113,199	121,244
Northeast.....	49,617	23,646	25,971
North Central.....	58,965	28,590	30,375
South.....	79,678	38,310	41,368
West.....	46,182	22,653	23,529
0-14 years.....	51,733	26,475	25,259
Under 1 year.....	3,637	1,861	1,775
1-4 years.....	14,179	7,254	6,927
5-14 years.....	33,917	17,360	16,557
Northeast.....	9,850	5,041	4,809
North Central.....	13,188	6,757	6,431
South.....	18,055	9,234	8,822
West.....	10,640	5,444	5,196
15-44 years.....	109,958	54,096	55,862
15-24 years.....	39,230	19,471	19,759
25-34 years.....	40,328	19,803	20,523
35-44 years.....	30,401	14,821	15,580
Northeast.....	23,047	11,248	11,798
North Central.....	27,511	13,625	13,885
South.....	37,140	18,136	19,005
West.....	22,262	11,087	11,175
45-64 years.....	44,712	21,329	23,382
45-54 years.....	22,397	10,856	11,540
55-64 years.....	22,315	10,473	11,842
Northeast.....	10,205	4,818	5,388
North Central.....	11,044	5,314	5,730
South.....	15,069	7,118	7,951
West.....	8,392	4,081	4,313
65 years and over.....	28,040	11,299	16,741
65-74 years.....	16,746	7,318	9,429
75 years and over.....	11,294	3,981	7,313
Northeast.....	6,515	2,539	3,976
North Central.....	7,223	2,895	4,327
South.....	9,414	3,823	5,591
West.....	4,888	2,041	2,846

population with the civilian noninstitutionalized population is available in another publication.¹⁹

Reliability of estimates

Estimation

Statistics produced by the NHDS 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 NHDS has three principal components: Inflation by reciprocals of the probabilities of sample selection, adjustment for nonresponse, and ratio adjustment to fixed totals. These components of estimation are described in appendix I of two earlier publications.^{20,21}

NOTE: A list of references follows the text.

Measurement errors

As in any survey, results are subject to nonsampling or measurement errors, which include errors because of hospital nonresponse, missing abstracts, information incompletely or inaccurately recorded on abstract forms, and processing errors. Some of these errors were discussed in an earlier section entitled "Patient characteristics not stated."

The Institute of Medicine (IOM) has conducted three studies on the reliability of hospital abstract data collection; the most recent study was on the NHDS. The IOM NHDS study was performed by using data coded according to the ICDA; however, some of the findings are relevant to the 1981 NHDS data even though these data were coded according to the ICD-9-CM. Of special interest to this report is the finding that, in a number of cases, the first-listed diagnosis in the NHDS was not the principal diagnosis as determined by IOM after a study of the entire medical record. For example, when diagnoses at the ICDA class level were examined, the principal diagnosis from IOM matched the first-listed diagnosis from the NHDS in approximately 86 percent of the cases. Detailed accounts of this and other IOM findings have been published.²²⁻²⁴

Sampling errors

The standard error is primarily a measure of the variability attributed to a value obtained from a sample as an estimate of a population value. In this report it also reflects part of the measurement error. The value that would have been obtained if a complete enumeration of the population had been made will be contained in an interval represented by the sample estimate plus or minus 1 standard error about 68 out of 100 times and plus or minus 2 standard errors about 95 out of 100 times.

The relative standard error is obtained by dividing the standard error by the estimate. The resulting value is multiplied by 100, which expresses the standard error as a percent of the estimate.

The standard error of one statistic generally is different from that of another, even when the two come from the same survey. To derive standard errors that would be applicable to a wide variety of statistics that could be prepared at a moderate cost, a number of approximations are required. As a result, the figures in this appendix provide general relative standard errors for a wide variety of estimates rather than the specific error for a particular statistic.

Approximate relative standard errors and standard errors have been prepared for measuring the variances applicable to (1) estimates of the discharges or first-listed diagnoses, and days of care for patient characteristics (for example, age, sex, and race) and hospital characteristics (for example, region, bed size, and ownership), and patient characteristics crosstabulated by hospital characteristics; and (2) estimates of all procedures performed by the specific procedure for the patient characteristics age, sex, and race and the hospital characteristics geographic region and bed size of hospital.

The relative standard errors applicable to patients discharged or first-listed diagnoses, all-listed diagnoses, and days of care are provided in figures II and III. The curves for relative standard errors of the estimates in each figure relate to the variables by which estimates are presented in this report. In these figures, curves are shown for data by region, the relative standard errors of which are different from those in the curves for "All other variables," which are relevant to most of the estimates.

The selection of the appropriate relative standard error curve is made as follows:

1. *Discharges for first-listed diagnoses and all-listed diagnoses by patient and hospital characteristics:* Relative standard errors of the estimated number of discharges and of all-listed diagnoses are obtained from the curves in figure II.
2. *Days of care for discharges or first-listed diagnoses by patient and hospital characteristics:* Relative standard errors of the estimated number of days of care are obtained from the curves in figure III.

The presentation of estimates for the NHDS is based on the relative standard error of the estimate and the number of sample records on which the estimate is based (referred to as the sample size). Estimates are not presented unless a reasonable assumption regarding the probability distribution of the sampling error is possible. The Central Limit Theorem is used to determine the distribution of the sampling errors. The Central Limit Theorem states that, given a sufficiently large sample size, the sample estimate is approximately normally distributed and approximates the population estimate.

Based on consideration of the complex sample design of the NHDS, the following guidelines are used for presenting NHDS estimates:

1. If the sample size is less than 30, the value of the estimate is not reported. Only an asterisk (*) is shown in the tables.
2. If the sample size is 30-59, the value of the estimate is reported but should be used with caution. The estimate is preceded by an asterisk (*) in the tables.
3. If the sample size is 60 or more but the relative standard error is over 30 percent, the estimate is reported, but should be used with caution. The estimate is preceded by an asterisk (*) in the tables.

Tests of significance

In this report, the determination of statistical inference is based on the *t*-test with a critical value of 1.96 (0.05 level of significance). Terms relating to differences, such as "higher" and "less," indicate that the differences are statistically significant. Terms such as "similar" or "no difference" mean that no statistically significant difference exists between the estimates being compared. A lack of comment on the difference between any two estimates does not mean that the difference was tested and found to be not significant.

NOTE: A list of references follows the text.

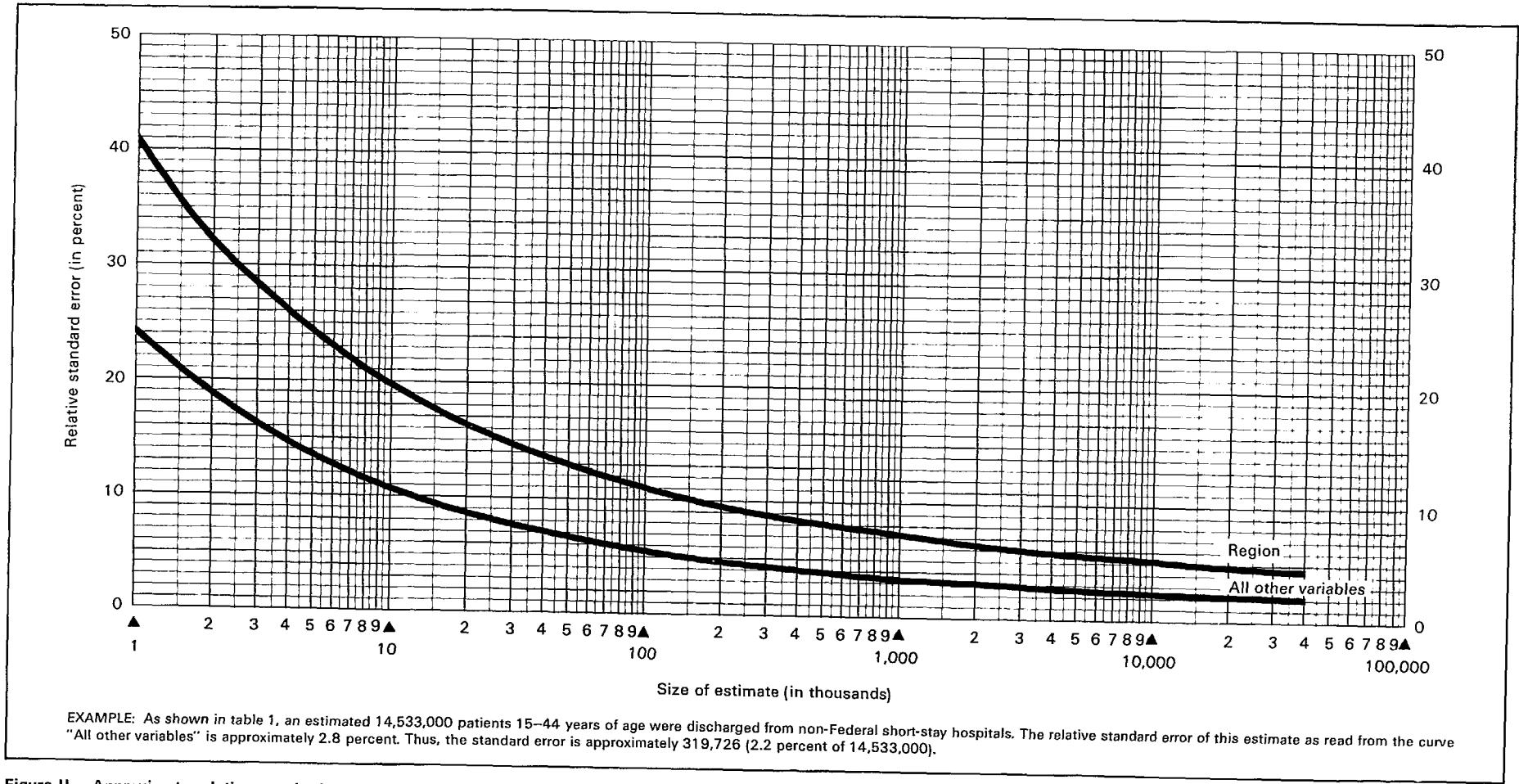
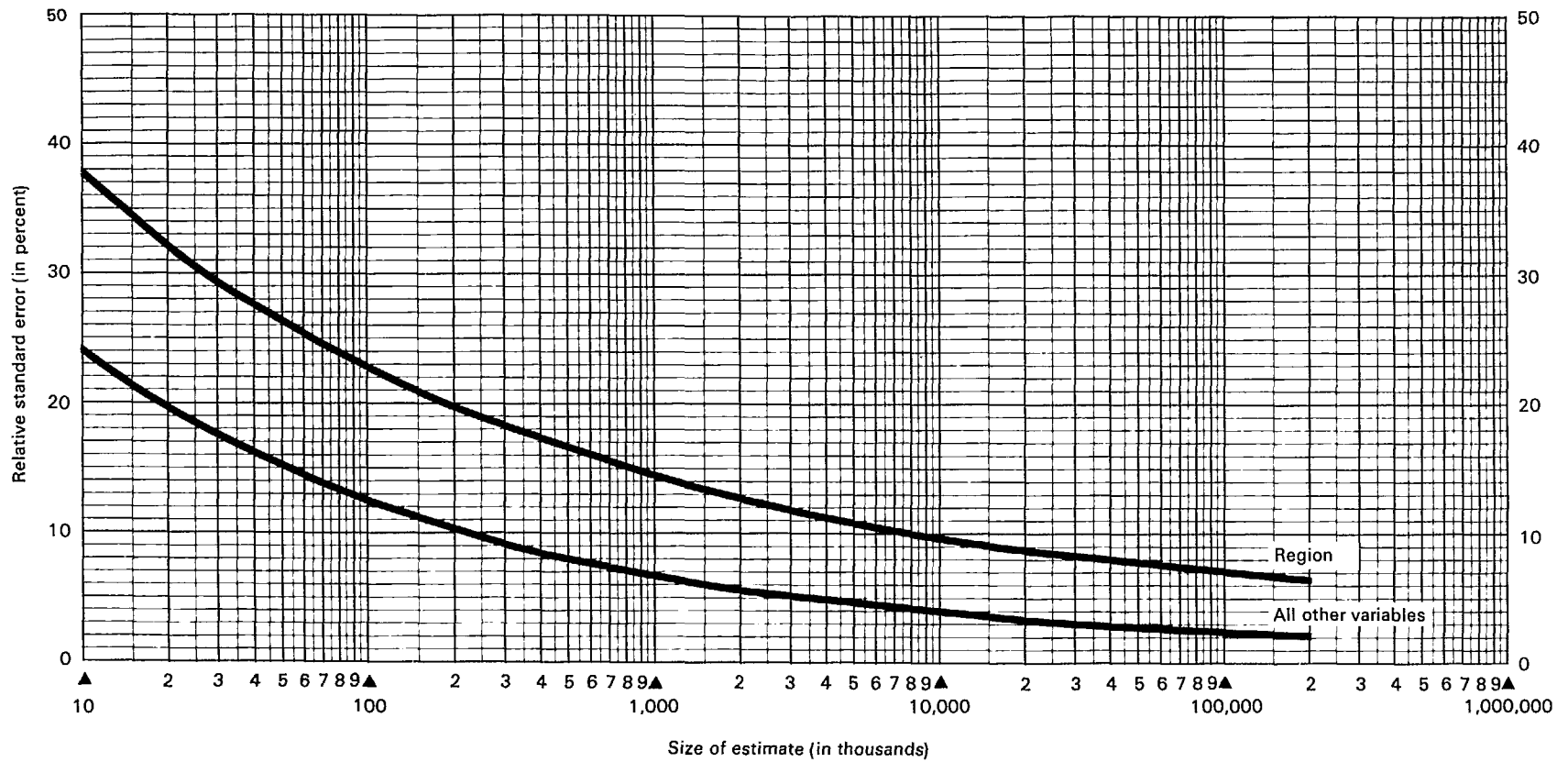


Figure II. Approximate relative standard errors of estimated numbers of patients discharged, or of first-listed diagnoses, and of all-listed diagnoses by selected patient and hospital characteristics



EXAMPLE: As shown in table 4, an estimated 57,782,400 days of care (average length of stay (7.8 days) times number of discharges (7,408,000)) were provided during 1984 to patients in the Northeast Region discharged from non-Federal short-stay hospitals. The relative standard error of this estimate as read from the curve "Region" is approximately 7.8 percent. Thus, the standard error is approximately 4,507,027 (7.8 percent of 57,782,400).

Figure III. Approximate relative standard errors of estimated numbers of days of care by selected patient characteristics

Appendix II

Definitions of certain terms used in this report

Hospitals and terms relating to hospitalization

Hospitals—Short-stay special and general hospitals have six beds or more for inpatient use and an average length of stay of less than 30 days. Federal hospitals and hospital units of institutions are not included.

Patient—A person who is formally admitted to the inpatient service of a short-stay hospital for observation, care, diagnosis, or treatment is considered a patient. In this report the number of patients refers to the number of discharges during the year, including any multiple discharges of the same individual from one short-stay hospital or more. Infants admitted on the day of birth, directly or by transfer from another medical facility, with or without mention of a disease, disorder, or immaturity are included. A newborn infant is defined as an admission by birth to a hospital. The terms “patient” and “inpatient” are used synonymously.

Discharge—Discharge is the formal release of a patient 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. The terms “discharges” and “patients discharged” are used synonymously.

Discharge rate—The ratio of the number of hospital discharges during a year to the number of persons in the civilian noninstitutionalized population on July 1 of that year determines the discharge rate.

Days of care—The total number of patient days accumulated at time of discharge by patients discharged from short-stay hospitals during a year constitutes days of care. A stay of less than 1 day (patient admission and discharge on the same day) is counted as 1 day in the summation of total days of care. For patients admitted and discharged on different days, the number of days of care is computed by counting all days from (and including) the date of admission to (but not including) the date of discharge.

Rate of days of care—The rate of days of care is the ratio of the number of patient days accumulated at time of discharge by patients discharged from short-stay hospitals during a year to the number of persons in the civilian noninstitutionalized population on July 1 of that year.

Average length of stay—The average length of stay is the total number of patient days accumulated at time of discharge by patients discharged during the year divided by the number of patients discharged.

Terms relating to diagnoses

Discharge diagnoses—One or more diseases or injuries (or some factor that influences health status and contact with health services that is not itself a current illness or injury) listed by the attending physician on the medical record of patients. In the National Hospital Discharge 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. Each sample discharge is assigned a maximum of seven 5-digit codes according to the *International Classification of Diseases, 9th Revision, Clinical Modification*.² The number of principal or first-listed diagnoses is equivalent to the number of discharges.

A diagnostic chapter within the *International Classification of Diseases, 9th Revision, Clinical Modification*,² is primarily an arrangement of diseases according to their principal anatomical site, with special chapters for infectious and parasitic diseases; neoplasms; endocrine, nutritional, and metabolic diseases; mental disorders; complications of pregnancy and childbirth; certain diseases peculiar to the perinatal period; and ill-defined conditions. In addition, two supplemental classifications are provided: The classification of factors influencing health status and contact with health services and the classification of external causes of injury and poisoning.²⁵

Principal diagnosis—The condition established after study to be chiefly responsible for occasioning the admission of the patient to the hospital for care is called the principal diagnosis.

First-listed diagnosis—The coded diagnosis identified as the principal diagnosis or listed first on the face sheet of the medical record is the first-listed diagnosis. The number of first-listed diagnoses is equivalent to the number of discharges.

All-listed diagnoses—All-listed diagnoses are an estimated number of discharge (or final) diagnoses, up to a maximum of seven, that are listed on the face sheet of the medical record for inpatients discharged from non-Federal short-stay hospitals during the year.

Demographic terms

Age—Patient’s age refers to age at birthday prior to admission to the hospital inpatient service.

NOTE: A list of references follows the text.

Geographic region—Hospitals are classified by location in one of the four geographic regions of the United States that correspond to those used by the U.S. Bureau of the Census:

<i>Region</i>	<i>States included</i>
Northeast	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania
North Central . . .	Michigan, Ohio, Illinois, Indiana, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas

<i>Region—Con.</i>	<i>States included—Con.</i>
South	Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas
West	Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Hawaii, and Alaska

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