

# DATA FROM THE NATIONAL HEALTH SURVEY STATISTICS

## **Inpatient Utilization of Short-Stay Hospitals, by Diagnosis: United States, 1979**

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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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## **Preface**

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.

Analysis of data and interpretation of findings contained in this report were performed by the Division of Health Care Statistics, National Center for Health Statistics.

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### Symbols

- Data not available
  - ... Category not applicable
  - Quantity zero
  - 0.0 Quantity more than zero but less than 0.05
  - 0 Quantity more than zero but less than 500 where numbers are rounded to thousands
  - \* Figure does not meet standards of reliability or precision (more than 30-percent relative standard error)
  - # Figure suppressed to comply with confidentiality requirements
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# Inpatient Utilization of Short-Stay Hospitals, by Diagnosis

by Eileen McCarthy, Division of Health Care Statistics

## Introduction

This report presents estimates on diagnostic conditions for patients discharged from short-stay non-Federal hospitals during 1979. The statistics are based on data collected in the National Hospital Discharge Survey, a continuous voluntary survey conducted by the National Center for Health Statistics. Since 1965 data have been collected in the survey on the characteristics of patients, their diagnoses and surgical procedures, and the characteristics of the hospitals from which they were discharged.

The estimates presented in this report are based on information obtained from medical records of a sample of patients discharged from a national sample of general and special short-stay hospitals, excluding Federal hospitals. The sample for 1979 included abstracts of approximately 215,000 hospital patient records from 431 hospitals that participated in the survey. Appendix I contains a description of the sample design, data collection procedures, and the estimation process. A report has been published that provides a detailed description of the survey design and estimation techniques.<sup>1</sup>

The diagnostic data are coded according to the *International Classification of Diseases, 9th Revision, Clinical Modification*<sup>2</sup> (ICD-9-CM). Statistics on the first-listed and all-listed diagnoses recorded on the medical records for patients discharged during 1979 are presented by age and sex of patients and by geographic region of the hospital. For first-listed diagnoses the measurements of hospital utilization used are frequency, discharge rate, and average length of stay. For all-listed diagnoses the measurements are frequency and rate. The terms "first-listed" and "discharge" diagnosis are used interchangeably.

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

The emphasis in past reports has been primarily on the first-listed diagnoses. This report, however, will

also focus on all-listed diagnoses. Most of the text tables include data on all-listed diagnoses that will be discussed throughout the report. Since the National Hospital Discharge Survey codes up to seven diagnoses for each discharged patient record, there is a wealth of diagnostic information that does not appear under the heading of principle or first-listed diagnosis. For example, diabetes mellitus had a first-listed diagnosis total of 600,000 compared to an all-listed diagnoses total of 2,136,000. The first-listed diagnosis for decubitus ulcers for 1979 was 12,000, whereas the all-listed diagnosis for the same condition was 60,000.

A section on estimates for the external causes of injury and poisoning, more commonly referred to as "E" codes, is included in this report for the first time. As a supplementary classification of the ICD-9-CM, the E code is used in addition to a code from one of the main chapters and thus cannot be a first-listed code. Estimates on newborn infant discharges are also presented in a separate section. However, data on newborn infants are excluded from the remainder of the report.

The National Center for Health Statistics also collects information on hospitalization by means of the National Health Interview Survey. The estimates obtained by the National Health Interview Survey are generally lower for the number of discharges and greater for average lengths of stay than are the estimates obtained by the National Hospital Discharge Survey because of differences in collection procedures, population sampled, and definitions. For example, the National Health Interview Survey does not include patients who are discharged dead or who do not stay overnight. Data from the National Health Interview Survey 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. Since several of these terms have specialized meanings in the National Hospital Discharge Survey, familiarity with these definitions will be useful in interpreting the data. For example, it should be noted that "discharges" and "patients" are used interchangeably.

## Highlights for 1979

The National Hospital Discharge Survey (NHDS) of non-Federal short-stay hospitals for 1979 showed that

- An estimated 36.7 million patients, excluding newborn infants, were discharged.
- An estimated 264.2 million days of care were utilized.
- The discharge rate per 1,000 population for all discharges was 170.2.
- An average length of stay for all patients was 7.2 days. Length of stay ranged from an average of 4.3 days for children under 15 years of age to an average of 10.8 days for patients 65 years and over.
- Large regional differences were evident in the average length of stay—6.0 days in the West, 6.8 days in the South, 7.4 days in the North Central, and 8.4 days in the Northeast.
- An estimated 86.1 million diagnoses (a maximum of 7 diagnoses coded for each medical record) were recorded for the 36.7 million patients.
- Diseases of the circulatory system with 4.9 million discharges and Diseases of the digestive system with 4.6 million discharges were the two leading ICD-9-CM diagnostic classes and accounted for 25.9 percent of the first-listed diagnoses.
- Diseases of the circulatory system was the leading class for all-listed diagnoses with 15.6 million diagnoses, 3 times as large as the figure for first-listed diagnoses.
- Diseases of the respiratory system were the first-listed diagnoses for 30 percent of patients under 15 years of age.
- One-third of all female discharges 15-44 years of age had a first-listed diagnosis of Females with deliveries.
- Diseases of the circulatory system accounted for 19.6 percent of the first-listed discharges in the 45-64 years age group.
- The 65 years and over age group represented 10.8 percent of the civilian noninstitutionalized population in 1979, yet accounted for 24.7 percent of discharged patients, utilizing 37.0 percent of the 264.2 million patient days.



# Hospital utilization

An estimated 36.7 million patients, excluding newborn infants, were discharged from the Nation's non-Federal short-stay hospitals in 1979. Of these patients, 14.7 million (40 percent) were male and 22.0 million (60 percent) were female. Approximately 4.6 million (21 percent) of the female discharges were hospitalized for deliveries and other obstetrical conditions. The discharge rate for all discharges was 170.2 per thousand population. Discharge rates increased with increasing age. For patients under 15 years, the rate was 72.7; for those 15-44 years, 156.5; for those 45-64 years, 196.2; and for patients 65 years and over, 388.8. The rate per 1,000 population for females (197.3) was 40 percent higher than that for males (141.1). Excluding obstetrical conditions, the rate of 155.8 per 1,000 population for females was only 10 percent higher than that for males.

The average length of stay was 7.2 days per hospital episode for all discharges—7.7 days for males and 6.9 days for females (table A). The average length of stay increased with increasing age. Patients under 15 years of age stayed an average of 4.3 days; patients 15-44 years, 5.2 days; patients 45-64 years, 8.2 days; and patients 65 years and over, 10.8 days.

The average length of stay was virtually the same for both sexes for three of the four major age groups:

under 15 years (4.3), 45-64 years (8.2), and 65 years and over (10.8). For ages 15-44 years, the average hospital stay for female discharges (4.7) was shorter than the stays for male discharges (6.3). However, when Females with deliveries were excluded from the average length of stay estimates for this age group, hospital episodes for females increased to 5.2 days.

The number of discharges varied greatly by region—12.4 million in the South, 10.6 million in the North Central, 7.8 million in the Northeast, and 5.9 million in the West. The variations were primarily due to differences in the sizes of the civilian noninstitutionalized population in the four regions. However, the discharge rates per 1,000 population still varied by geographic region, from 146.5 in the West to 185.1 in the North Central. Regional differences were also evident in the average length of stay. The average stay was 6.0 days in the West, 6.8 days in the South, 7.4 days in the North Central, and 8.4 days in the Northeast. Attempts at explaining these regional differences, particularly those between the West and the Northeast, have not been successful.<sup>3</sup>

An estimated 86.1 million diagnoses were recorded for the 36.7 million patients discharged from short-stay hospitals in 1979. Sixty-five percent of the discharges in 1979 had two or more diagnoses. By age, the estimates ranged from 46 percent of the discharges under 15 years having more than one diagnosis to 78 percent for those patients 65 years and over. This represents an increase over previous years that is due to several factors, one being the use of a new medical coding classification, the ICD-9-CM, which includes directives for double-coding, that is, the assignment of more than one code to a diagnosis. For example, deliveries are coded first by the outcome of delivery (single liveborn, single stillborn, and so forth), and then by whether the delivery was normal or had one or more complications. In previous years, usually only one diagnostic code was used to code a delivery. In order to accommodate double-coding, a maximum of seven

Table A. Average length of stay for patients discharged from short-stay hospitals, by sex and age: United States, 1979

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

| Age                            | Both sexes | Male | Female,              | Female,              |
|--------------------------------|------------|------|----------------------|----------------------|
|                                |            |      | including deliveries | excluding deliveries |
| Average length of stay in days |            |      |                      |                      |
| All ages.....                  | 7.2        | 7.7  | 6.9                  | 7.5                  |
| Under 15 years.....            | 4.3        | 4.4  | 4.3                  | 4.3                  |
| 15-44 years.....               | 5.2        | 6.3  | 4.7                  | 5.2                  |
| 45-64 years.....               | 8.2        | 8.1  | 8.3                  | 8.3                  |
| 65 years and over.....         | 10.8       | 10.4 | 11.0                 | 11.0                 |

diagnostic codes were used for each NHDS abstract. Before 1979, a maximum of only five diagnostic codes had been used.

For each discharge, an average of 2.3 diagnoses were coded. The average number of diagnoses per

discharge tended to increase with the age of the patient: 1.7 for patients under 15 years, 2.0 for those 15–44 years, 2.5 for patients 45–64 years, and 3.2 for patients 65 years and over. However, little or no variation was found in the average number of diagnoses by sex.

# Hospital utilization by diagnosis

Estimates of the diagnoses of diseases, injuries, and other conditions for patients discharged from short-stay hospitals in 1979 are shown in this report by the classes of the ICD-9-CM. Medical data from NHDS abstracts were coded according to the ICD-9-CM for the first time in 1979. Earlier data for 1970 through 1978 was coded using the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*<sup>4</sup> (ICDA). Differences between these two revisions are discussed in appendix I in "Medical coding and edit."

Estimates of the diagnoses within the ICD-9-CM classes are grouped 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, both of which are discussed in other sections of this report. A description of the grouping of the diagnostic data is presented in appendix I. Data by the detailed ICD-9-CM diagnostic codes has been published,<sup>5</sup> and unpublished data are also available from the NHDS.

Of the 17 ICD-9-CM classes, 6 classes accounted for 67 percent of all first-listed diagnoses. The leading first-listed diagnostic class was Diseases of the circulatory system, with 4.9 million discharges (table 1). Other leading classes were Diseases of the digestive system, with 4.6 million discharges; the Supplementary classification of factors influencing health status (including Females with deliveries), with 4.3 million discharges; Injury and poisoning, 3.6 million discharges; Diseases of the genitourinary system, 3.5 million discharges; and Diseases of the respiratory system, 3.3 million discharges.

The leading classes for all-listed diagnoses were the same as those for the first-listed diagnoses. However, the estimates were almost twice as large for five of these classes and 3 times as large for Diseases of the circulatory system. Diseases of the circulatory system was also the leading class, with 15.6 million diagnoses. Diseases of the digestive system was next largest, with 8.5 million diagnoses, followed by Diseases of the

genitourinary system, with 7.5 million diagnoses. Diseases of the genitourinary system ranking went from the fifth-listed class for first-listed diagnoses to a third-listed class for all-listed diagnoses. Inspection of the detailed data shows that the higher ranking for the all-listed genitourinary diagnoses was due to a general increase in the entire class rather than to an increase in a few diagnoses. The Supplementary classification of factors influencing health status with 6.7 million discharges, Injury and poisoning with 6.4 million diagnoses, and Diseases of the respiratory system with 6.3 million diagnoses were the next largest classes. These six classes accounted for 59.2 percent of all-listed diagnoses.

The detailed tables 1 through 5 of this report provide estimates on first-listed and all-listed diagnoses for the number of patients discharged, the rates per 10,000 population, and for first-listed diagnoses only, the average length of stay. Days of care are not shown but can be estimated by multiplying the number of discharges by the corresponding average length of stay for each variable. An approximate 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 lengths of stay, by ICD-9-CM class and first-listed diagnostic category, are shown by age in table 1 and by sex in table 3. The number of all-listed diagnoses for patients are shown by age in table 2 and by sex in table 3.

Although the diagnostic groupings shown here represent some of the largest and most important categories, only three diagnoses are discussed in detail here: Females with deliveries, Heart disease, and Malignant neoplasms. This discussion will point out the depth of information that can be obtained from an analysis of first-listed and all-listed diagnoses.

Females with deliveries accounted for 3.6 million

discharges (16.9 discharges per 1,000 population). Because of the coding structure of the ICD-9-CM, all deliveries are shown as first-listed diagnoses only. However, two other code groupings in the all-listed categories provide additional information on deliveries, to show whether the delivery was complicated or uncomplicated. Approximately 1.8 million of the deliveries (49 percent) were in the all-listed category Delivery without mention of complication. By subtracting the number of uncomplicated deliveries from all deliveries, it can be deduced that 1.9 million women (51 percent) had Complications of delivery. Table B shows 2.5 million complications, an average of 1.3 complications for each delivery with mention of complications.

The estimate for discharges with Heart disease diagnoses was about as large as that for deliveries—3.1 million, with a rate of 14.2 per 1,000 population. The rate for males was 15.7 and for females 12.8. The average length of stay was 9.6 days, 9.2 for males and 10.0 days for females.

Four subcategories of Heart disease are shown in tables B and C—Acute myocardial infarction, Coronary atherosclerosis, Cardiac dysrhythmias, and Congestive heart failure. Each of these subcategories accounted for between 300,000 and 600,000 discharges, and together they represent 57 percent of the discharges with Heart disease.

Table C, which shows all-listed diagnoses, provides additional information on Heart disease diagnoses. For all patients discharged, there were approximately 9.5 million all-listed diagnoses of Heart disease. One-third of those diagnoses (3.1 million) were for patients with a first-listed diagnosis of Heart disease. The remaining 6.4 million diagnoses are additional diagnoses of Heart disease found in the medical record for patients both with and without a first-listed diagnosis of Heart disease.

The discharges for Malignant neoplasms totaled 1.7 million and were about equally divided between the sexes. This category had a discharge rate of 8.1 per

Table B. Number, discharge rate, and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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 conditions <sup>1</sup>   | 36,747              | 14,705 | 22,042     | 170.2                     | 141.1  | 197.3      | 7.2                            | 7.7    | 6.9  |
| Neoplasms:  |                     |        |            |                           |        |            |                                |        |      |
| Malignant neoplasms, . . . . . 140-208  | 1,745               | 846    | 899        | 8.1                       | 8.1    | 8.0        | 12.3                           | 12.3   | 12.4 |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 210-239                                  | 656                 | 148    | 509        | 3.0                       | 1.4    | 4.6        | 6.2                            | 6.1    | 6.2  |
| Diabetes mellitus . . . . . 250   | 601                 | 227    | 374        | 2.8                       | 2.2    | 3.3        | 10.1                           | 9.4    | 10.6 |
| Alcohol dependence syndrome . . . . . 303   | 439                 | 341    | 98         | 2.0                       | 3.3    | 0.9        | 9.3                            | 9.3    | 9.2  |
| Cataract . . . . . 366  | 383                 | 155    | 228        | 1.8                       | 1.5    | 2.0        | 3.8                            | 3.8    | 3.9  |
| Heart disease . . . . . 391-392.0, 393-398, 402, 404, 410-429   | 3,065               | 1,640  | 1,425      | 14.2                      | 15.7   | 12.8       | 9.6                            | 9.2    | 10.0 |
| Acute myocardial infarction . . . . . 410   | 433                 | 271    | 162        | 2.0                       | 2.6    | 1.5        | 12.6                           | 12.5   | 12.8 |
| Coronary atherosclerosis . . . . . 414.0  | 592                 | 317    | 275        | 2.7                       | 3.0    | 2.5        | 9.7                            | 8.9    | 10.6 |
| Cardiac dysrhythmias . . . . . 427  | 331                 | 162    | 169        | 1.5                       | 1.6    | 1.5        | 7.6                            | 7.5    | 7.7  |
| Congestive heart failure . . . . . 428.0  | 377                 | 174    | 204        | 1.7                       | 1.7    | 1.8        | 10.7                           | 10.4   | 11.0 |
| Cerebrovascular disease . . . . . 430-438   | 747                 | 336    | 412        | 3.5                       | 3.2    | 3.7        | 12.4                           | 12.1   | 12.5 |
| Diseases of the respiratory system:   |                     |        |            |                           |        |            |                                |        |      |
| Acute respiratory infections . . . . . 460-466  | 534                 | 262    | 273        | 2.5                       | 2.5    | 2.4        | 4.7                            | 4.4    | 5.0  |
| Chronic disease of tonsils and adenoids . . . . . 474   | 497                 | 215    | 282        | 2.3                       | 2.1    | 2.5        | 2.0                            | 1.8    | 2.1  |
| Pneumonia, all forms . . . . . 480-486  | 756                 | 403    | 353        | 3.5                       | 3.9    | 3.2        | 8.0                            | 7.8    | 8.2  |
| Asthma . . . . . 493  | 339                 | 143    | 196        | 1.6                       | 1.4    | 1.8        | 6.1                            | 5.5    | 6.5  |
| Diseases of the digestive system:   |                     |        |            |                           |        |            |                                |        |      |
| Gastric, duodenal and other and unspecified peptic ulcer . . . . . 531-534  | 355                 | 195    | 163        | 1.6                       | 1.9    | 1.5        | 7.9                            | 7.5    | 8.2  |
| Inguinal hernia . . . . . 550   | 475                 | 427    | 48         | 2.2                       | 4.1    | 0.4        | 4.9                            | 4.9    | 5.2  |
| Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis . . . . . 555, 556, 558 | 615                 | 259    | 357        | 2.8                       | 2.5    | 3.2        | 5.4                            | 4.8    | 5.8  |
| Cholelithiasis . . . . . 574  | 447                 | 122    | 324        | 2.1                       | 1.2    | 2.9        | 9.8                            | 10.6   | 9.5  |
| Disorders of menstruation and other abnormal vaginal bleeding . . . . . 626   | 450                 | ...    | 450        | 2.1                       | ...    | 4.0        | 3.4                            | ...    | 3.4  |
| Pregnancy with abortive outcome . . . . . 630-639   | 536                 | ...    | 536        | 2.5                       | ...    | 4.8        | 2.2                            | ...    | 2.2  |
| Females with deliveries . . . . . V27   | 3,646               | ...    | 3,646      | 16.9                      | ...    | 32.6       | 3.7                            | ...    | 3.7  |
| Delivery without mention of complications . . . . . 650   | ...                 | ...    | ...        | ...                       | ...    | ...        | ...                            | ...    | ...  |
| Complications of delivery . . . . . 640-648, 651-676 with 5th digit 1 or 2  | ...                 | ...    | ...        | ...                       | ...    | ...        | ...                            | ...    | ...  |
| Fractures, all sites . . . . . 800-829  | 1,180               | 609    | 570        | 5.5                       | 5.8    | 5.1        | 10.5                           | 8.8    | 12.3 |

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

Table C. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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          |        |            | Both sexes                |        |            |
|--|---------------------|--------|------------|---------------------------|--------|------------|
|  | Male                | Female | Both sexes | Male                      | Female | Both sexes |
|  | Number in thousands |        |            | Rate per 1,000 population |        |            |
| All conditions <sup>1</sup> .....  | 86,117              | 34,237 | 51,880     | 398.9                     | 328.6  | 464.4      |
| <b>Neoplasms:</b>  |                     |        |            |                           |        |            |
| Malignant neoplasms..... 140-208   | 2,828               | 1,395  | 1,433      | 13.1                      | 13.4   | 12.8       |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior... 210-239                                    | 1,186               | 280    | 906        | 5.5                       | 2.7    | 8.1        |
| Diabetes mellitus..... 250   | 2,136               | 845    | 1,290      | 9.9                       | 8.1    | 11.5       |
| Alcohol dependence syndrome..... 303   | 821                 | 628    | 193        | 3.8                       | 6.0    | 1.7        |
| Cataract..... 366  | 469                 | 190    | 278        | 2.2                       | 1.8    | 2.5        |
| Heart disease..... 391-392.0, 393-398, 402, 404, 410-429   | 9,529               | 4,781  | 4,747      | 44.1                      | 45.9   | 42.5       |
| Acute myocardial infarction..... 410   | 688                 | 423    | 266        | 3.2                       | 4.1    | 2.4        |
| Coronary atherosclerosis..... 414.0  | 1,837               | 901    | 936        | 8.5                       | 8.7    | 8.4        |
| Cardiac dysrhythmias..... 427  | 1,274               | 640    | 635        | 5.9                       | 6.1    | 5.7        |
| Congestive heart failure..... 428.0  | 1,216               | 556    | 660        | 5.6                       | 5.3    | 5.9        |
| Cerebrovascular disease..... 430-438   | 1,625               | 734    | 890        | 7.5                       | 7.0    | 8.0        |
| <b>Diseases of the respiratory system:</b>   |                     |        |            |                           |        |            |
| Acute respiratory infections..... 460-466  | 861                 | 418    | 443        | 4.0                       | 4.0    | 4.0        |
| Chronic disease of tonsils and adenoids..... 474   | 614                 | 274    | 340        | 2.8                       | 2.6    | 3.0        |
| Pneumonia, all forms..... 480-486  | 1,138               | 620    | 518        | 5.3                       | 6.0    | 4.6        |
| Asthma..... 493  | 513                 | 214    | 299        | 2.4                       | 2.1    | 2.7        |
| <b>Diseases of the digestive system:</b>   |                     |        |            |                           |        |            |
| Gastric, duodenal and other and unspecified peptic ulcer..... 531-534  | 598                 | 325    | 273        | 2.8                       | 3.1    | 2.4        |
| Inguinal hernia..... 550   | 569                 | 510    | 58         | 2.6                       | 4.9    | 0.5        |
| Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis..... 555, 556, 558 | 829                 | 350    | 479        | 3.8                       | 3.4    | 4.3        |
| Cholelithiasis..... 574  | 673                 | 193    | 481        | 3.1                       | 1.9    | 4.3        |
| Disorders of menstruation and other abnormal vaginal bleeding..... 626   | 621                 | ...    | 621        | 2.9                       | ...    | 5.6        |
| Pregnancy with abortive outcome..... 630-639   | 570                 | ...    | 570        | 2.6                       | ...    | 5.1        |
| Females with deliveries..... V27   | 3,646               | ...    | 3,646      | 16.9                      | ...    | 32.6       |
| Delivery without mention of complication..... 650  | 1,785               | ...    | 1,785      | 8.3                       | ...    | 16.0       |
| Complications of delivery..... 640-648, 651-676 with 5th digit 1 or 2  | 2,498               | ...    | 2,498      | 11.6                      | ...    | 22.4       |
| Fractures, all sites..... 800-829  | 1,680               | 896    | 784        | 7.8                       | 8.6    | 7.0        |

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

1,000 population and an average hospital stay of 12.3 days, neither of which varied by sex. The all-listed diagnoses for Malignant neoplasms were 2.8 million, a million more diagnoses than in the first-listed total, and in large part accounted for by additional and secondary diagnoses to the first-listed Malignant neoplasms. It is also possible, however, for a patient with Malignant neoplasms to be admitted to the hospital with a first-listed diagnosis from another class of diagnosis (for example, Diseases of the circulatory system), which would account for the remaining part of the million diagnoses.

By observing the analysis of the first-listed and all-listed data for Females with deliveries, Heart disease, and Malignant neoplasms, the users of NHDS data can have a better appreciation for the magnitude of these conditions in the hospitalized population.

### Patients under 15 years of age

An estimated 3.6 million patients under 15 years of age were discharged from short-stay hospitals in 1979. Diseases of the respiratory system were the first-listed

diagnoses for 30 percent of these patients (table 1). Injuries and poisonings accounted for 14 percent of the discharges; Diseases of the digestive system, 13 percent; and Diseases of the nervous system and sense organs, 9 percent. These four classes add up to 66 percent of all patients under 15 years of age.

Tables D and E present selected diagnostic conditions for patients under 15 years of age. Table D shows 3.6 million discharges whose average length of stay was 4.3 days. The discharge rate per 1,000 population was 72.7 for both sexes, the 80.3 for males being 19 percent higher than the 64.7 for females. Chronic disease of tonsils and adenoids continued to be the most frequent diagnosis, accounting for 8.8 percent of the discharges. Acute respiratory infections and Pneumonia, all forms, follow, making up 8.2 percent and 7.0 percent of the discharges, respectively. This configuration changed, however, for all-listed diagnoses (table E). Acute respiratory infection with 6.9 percent, Chronic disease of tonsils and adenoids with 6.8 percent, and Otitis media and eustachian tube disorders with 6.0 percent were the three most frequent diagnoses.

Conditions for which males had higher discharge

Table D. Number, discharge rate, and average length of stay of patients with first-listed diagnoses under 15 years of age discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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          |                           |                                | Male                |                           |                                | Female              |                           |                                |
|--|---------------------|---------------------------|--------------------------------|---------------------|---------------------------|--------------------------------|---------------------|---------------------------|--------------------------------|
|  | Number in thousands | Rate per 1,000 population | Average length of stay in days | Number in thousands | Rate per 1,000 population | Average length of stay in days | Number in thousands | Rate per 1,000 population | Average length of stay in days |
| All conditions <sup>1</sup>  | 3,641               | 72.7                      | 4.3                            | 2,053               | 80.3                      | 4.4                            | 1,588               | 64.7                      | 4.3                            |
| Viral diseases . . . . . 045-079, 138, 139.0-139.1   | 83                  | 1.7                       | 3.8                            | 46                  | 1.8                       | 3.6                            | 37                  | 1.5                       | 4.1                            |
| Otitis media and eustachian tube disorders . . . . . 381-382   | 180                 | 3.6                       | 2.2                            | 106                 | 4.1                       | 2.3                            | 75                  | 3.1                       | 2.2                            |
| Diseases of the respiratory system:  |                     |                           |                                |                     |                           |                                |                     |                           |                                |
| Acute respiratory infections . . . . . 460-466   | 297                 | 5.9                       | 3.7                            | 169                 | 6.6                       | 3.8                            | 128                 | 5.2                       | 3.7                            |
| Chronic disease of tonsils and adenoids . . . . . 474  | 320                 | 6.4                       | 1.8                            | 158                 | 6.2                       | 1.7                            | 162                 | 6.6                       | 1.9                            |
| Pneumonia, all forms . . . . . 480-486   | 255                 | 5.1                       | 5.2                            | 150                 | 5.9                       | 5.2                            | 105                 | 4.3                       | 5.1                            |
| Asthma . . . . . 493   | 99                  | 2.0                       | 3.8                            | 63                  | 2.5                       | 3.9                            | 36                  | 1.5                       | 3.6                            |
| Diseases of the digestive system:  |                     |                           |                                |                     |                           |                                |                     |                           |                                |
| Inguinal hernia . . . . . 550  | 84                  | 1.7                       | 2.4                            | 68                  | 2.7                       | 2.2                            | 16                  | 0.7                       | 3.0                            |
| Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis . . . . . 555-556, 558 | 196                 | 3.9                       | 4.2                            | 108                 | 4.2                       | 4.0                            | 88                  | 3.6                       | 4.5                            |
| Congenital anomalies . . . . . 740-759   | 160                 | 3.2                       | 5.5                            | 98                  | 3.8                       | 5.8                            | 62                  | 2.5                       | 5.2                            |
| Fractures, all sites . . . . . 800-829   | 155                 | 3.1                       | 5.4                            | 103                 | 4.0                       | 5.4                            | 53                  | 2.2                       | 5.2                            |
| Intracranial injury (excluding concussion with skull fracture) . . . . . 850-854   | 91                  | 1.8                       | 2.6                            | 59                  | 2.3                       | 2.5                            | 32                  | 1.3                       | 2.8                            |

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

Table E. Number and rate of all-listed diagnoses for patients under 15 years of age discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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          |                           |       | Male                |                           |  | Female              |                           |  |
|--|---------------------|---------------------------|-------|---------------------|---------------------------|--|---------------------|---------------------------|--|
|  | Number in thousands | Rate per 1,000 population |       | Number in thousands | Rate per 1,000 population |  | Number in thousands | Rate per 1,000 population |  |
| All conditions <sup>1</sup>  | 6,104               | 121.9                     | 134.2 | 3,430               | 109.0                     |  | 2,673               |                           |  |
| Viral diseases . . . . . 045-079, 138, 139.0-139.1   | 119                 | 2.4                       | 2.6   | 66                  | 2.2                       |  | 53                  |                           |  |
| Otitis media and eustachian tube disorders . . . . . 381-382   | 368                 | 7.3                       | 8.2   | 209                 | 6.5                       |  | 159                 |                           |  |
| Diseases of the respiratory system:  |                     |                           |       |                     |                           |  |                     |                           |  |
| Acute respiratory infections . . . . . 460-466   | 423                 | 8.4                       | 9.5   | 243                 | 7.4                       |  | 181                 |                           |  |
| Chronic disease of tonsils and adenoids . . . . . 474  | 412                 | 8.2                       | 8.1   | 208                 | 8.3                       |  | 204                 |                           |  |
| Pneumonia, all forms . . . . . 480-486   | 335                 | 6.7                       | 7.7   | 197                 | 5.6                       |  | 138                 |                           |  |
| Asthma . . . . . 493   | 125                 | 2.5                       | 3.2   | 81                  | 1.8                       |  | 44                  |                           |  |
| Diseases of the digestive system:  |                     |                           |       |                     |                           |  |                     |                           |  |
| Inguinal hernia . . . . . 550  | 99                  | 2.0                       | 3.2   | 82                  | 0.7                       |  | 17                  |                           |  |
| Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis . . . . . 555-556, 558 | 245                 | 4.9                       | 5.4   | 137                 | 4.4                       |  | 108                 |                           |  |
| Congenital anomalies . . . . . 740-759   | 265                 | 5.3                       | 6.3   | 162                 | 4.2                       |  | 103                 |                           |  |
| Fractures, all sites . . . . . 800-829   | 188                 | 3.8                       | 4.8   | 123                 | 2.6                       |  | 64                  |                           |  |
| Intracranial injury (excluding concussion with skull fracture) . . . . . 850-854   | 105                 | 2.1                       | 2.7   | 68                  | 1.5                       |  | 37                  |                           |  |

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

rates than females included Inguinal hernia; Congenital anomalies; Fractures, all sites; and Intracranial injury. Females had a higher discharge rate for only one condition—Chronic disease of tonsils and adenoids—for first-listed as well as all-listed diagnoses.

The length of stay for these selected conditions was shortest for Chronic disease of tonsils and adenoids (1.8 days) and longest for Pneumonia, all forms (5.2 days); Fractures, all sites (5.4 days); and Congenital

anomalies (5.5 days—table D). The average length of stay did not vary greatly by sex. In all instances the difference between the stays for males and females was less than 1 day.

#### Patients 15-44 years of age

The largest number of discharges of patients 15-44 years of age were found in the Supplementary classifi-

cation of factors influencing health status (4.1 million). The large size of this estimate is due to the inclusion of Females with deliveries (table 1). This class represents 26 percent of all discharges in this age group, followed by Diseases of the genitourinary system and Injury and poisoning, each with 12 percent. The discharge rate for patients 15–44 years of age was 156.5 per 1,000 population—97.1 for males and 213.0 for females.

Although the discharge rate for females was 119.4 percent higher than that for males, if deliveries are excluded it is only 52.7 percent higher. The largest class, Complications of pregnancy, childbirth, and the puerperium, which includes deliveries with and without complications, accounted for 17.8 percent of the 30.2 million all-listed diagnoses. The diagnostic classes with the next largest percents were Diseases of the genitourinary system, with 11.4 percent; Injury and poisoning, with 10.7 percent; and Diseases of the digestive system, with 8.4 percent.

The average hospital stay for this age group was 5.2 days—6.3 days for males and 4.7 days for females. The average stay was less for females primarily because of the large number of discharges for Females with deliveries who stayed an average of only 3.7 days. Excluding stays for obstetrical conditions, the average stay for females was 5.8.

One-third of the female discharges, 71.1 per 1,000

female population, were hospitalized for deliveries (table F). The next highest discharge rate for women in this age group was for Pregnancy with abortive outcome, for 0.5 million women. The discharge rate for patients with Benign neoplasms was over 6 times as great for females as for males. Fractures, all sites, was the largest estimate for males, with 315,000 discharges and a rate of 6.5 per 1,000 population. Male discharge rates were 4 times as high as the female rates for Alcohol dependence syndrome and Laceration and open wound.

The largest all-listed diagnostic group was Complications of delivery, with 2.5 million women, followed by Delivery without mention of complication, with 1.8 million (table G). Other large estimates were for Inflammatory disease of female pelvic organs and Sterilizations, for 623,000 and 625,000 women, respectively. Smaller than any one of these was the largest all-listed diagnosis estimate for males, Fractures, all sites, at 492,000.

### Patients 45–64 years of age

Table 1 shows that approximately 8.5 million discharges were for the age group 45–64 years. Four diagnostic classes accounted for 56 percent of the discharges: Diseases of the circulatory system accounted for 19.6 percent, and Diseases of the digestive system, Diseases

Table F. Number, discharge rate, and average length of stay of patients with first-listed diagnoses 15–44 years of age discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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 conditions <sup>1</sup>   | 15,488              | 4,680  | 10,808     | 156.5                     | 97.1   | 213.0      | 5.2                            | 6.3    | 4.7  |
| Neoplasms:  |                     |        |            |                           |        |            |                                |        |      |
| Malignant neoplasms . . . . . 140–208   | 172                 | 73     | 100        | 1.7                       | 1.5    | 2.0        | 10.6                           | 12.4   | 9.3  |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 210–239                                  | 312                 | 42     | 270        | 3.2                       | 0.9    | 5.3        | 5.2                            | 4.8    | 5.3  |
| Mental disorders:   |                     |        |            |                           |        |            |                                |        |      |
| Psychoses . . . . . 290–299   | 303                 | 165    | 137        | 3.1                       | 3.4    | 2.7        | 14.0                           | 13.4   | 14.8 |
| Anxiety states and other neuroses and personality disorders . . . . . 300–301   | 240                 | 83     | 157        | 2.4                       | 1.7    | 3.1        | 9.7                            | 9.7    | 9.7  |
| Alcohol dependence syndrome . . . . . 303   | 225                 | 177    | 48         | 2.3                       | 3.7    | 0.9        | 9.7                            | 9.8    | 9.1  |
| Heart disease . . . . . 391–392.0, 393–398, 402, 404, 410–429   | 240                 | 153    | 87         | 2.4                       | 3.2    | 1.7        | 7.3                            | 7.3    | 7.3  |
| Regional enteritis and idiopathic proctocolitis and other non-infectious gastroenteritis and colitis . . . . . 555–556, 558 | 205                 | 80     | 125        | 2.1                       | 1.7    | 2.5        | 4.9                            | 4.6    | 5.1  |
| Inflammatory disease of female pelvic organs . . . . . 614–616  | 271                 | ...    | 272        | 2.7                       | ...    | 5.4        | 5.2                            | ...    | 5.2  |
| Disorders of menstruation and other abnormal vaginal bleeding . . . 626   | 350                 | ...    | 350        | 3.5                       | ...    | 6.9        | 3.2                            | ...    | 3.2  |
| Pregnancy with abortive outcome . . . . . 630–639   | 528                 | ...    | 528        | 5.3                       | ...    | 10.4       | 2.2                            | ...    | 2.2  |
| Females with deliveries . . . . . V27   | 3,607               | ...    | 3,607      | 36.5                      | ...    | 71.1       | 3.7                            | ...    | 3.7  |
| Delivery without mention of complication . . . . . 650  | ...                 | ...    | ...        | ...                       | ...    | ...        | ...                            | ...    | ...  |
| Complications of delivery . . . . . 640–648, 651–676 with 5th digit 1 or 2  | ...                 | ...    | ...        | ...                       | ...    | ...        | ...                            | ...    | ...  |
| Intervertebral disc disorders . . . . . 722   | 192                 | 117    | 75         | 1.9                       | 2.4    | 1.5        | 9.0                            | 8.6    | 9.5  |
| Fractures, all sites . . . . . 800–829  | 434                 | 315    | 120        | 4.4                       | 6.5    | 2.4        | 7.5                            | 7.7    | 6.9  |
| Laceration and open wound . . . . . 870–904   | 232                 | 184    | 48         | 2.3                       | 3.8    | 0.9        | 4.6                            | 4.6    | 4.6  |
| Persons admitted for sterilization . . . . . V25.2  | 262                 | 9      | 259        | 2.7                       | 0.2    | 5.0        | 2.2                            | 1.4    | 2.2  |

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

Table G. Number and rate of all-listed diagnoses for patients 15–44 years of age discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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          |        |            | Both sexes                |        |            |
|--|---------------------|--------|------------|---------------------------|--------|------------|
|  | Male                | Female | Both sexes | Male                      | Female | Both sexes |
|  | Number in thousands |        |            | Rate per 1,000 population |        |            |
| All conditions <sup>1</sup>  | 30,232              | 8,562  | 21,669     | 305.6                     | 177.6  | 427.0      |
| Neoplasms:   |                     |        |            |                           |        |            |
| Malignant neoplasms . . . . . 140–208  | 239                 | 98     | 142        | 2.4                       | 2.0    | 2.8        |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 210–239                                 | 523                 | 76     | 446        | 5.3                       | 1.6    | 8.8        |
| Mental disorders:  |                     |        |            |                           |        |            |
| Psychoses . . . . . 290–299  | 398                 | 219    | 179        | 4.0                       | 4.5    | 3.5        |
| Anxiety states and other neuroses and personality disorders . . . . . 300–301  | 526                 | 185    | 341        | 5.3                       | 3.8    | 6.7        |
| Alcohol dependence syndrome . . . . . 303  | 379                 | 294    | 85         | 3.8                       | 6.1    | 1.7        |
| Heart disease . . . . . 391–392.0, 393–398, 402, 404, 410–429  | 519                 | 304    | 215        | 5.2                       | 6.3    | 4.2        |
| Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis . . . . . 555–556, 558 | 267                 | 102    | 165        | 2.7                       | 2.1    | 3.3        |
| Inflammatory disease of female pelvic organs . . . . . 614–616   | 623                 | ...    | 623        | 6.3                       | ...    | 12.3       |
| Disorders of menstruation and other abnormal vaginal bleeding . . . . . 626  | 484                 | ...    | 484        | 4.9                       | ...    | 9.5        |
| Pregnancy with abortive outcome . . . . . 630–639  | 561                 | ...    | 561        | 5.7                       | ...    | 11.1       |
| Females with deliveries . . . . . V27  | 3,607               | ...    | 3,607      | 36.5                      | ...    | 71.1       |
| Delivery without mention of complication . . . . . 650   | 1,771               | ...    | 1,771      | 17.9                      | ...    | 34.9       |
| Complications of delivery . . . . . 640–648, 651–676   |                     |        |            |                           |        |            |
| with 5th digit 1 or 2  | 2,466               | ...    | 2,466      | 24.9                      | ...    | 48.6       |
| Intervertebral disc disorders . . . . . 722  | 227                 | 136    | 91         | 2.3                       | 2.8    | 1.8        |
| Fractures, all sites . . . . . 800–829   | 676                 | 492    | 183        | 6.8                       | 10.2   | 3.6        |
| Laceration and open wound . . . . . 870–904  | 483                 | 372    | 111        | 4.9                       | 7.7    | 2.2        |
| Persons admitted for sterilization . . . . . V25.2   | 639                 | 13     | 625        | 6.5                       | 2.3    | 12.3       |

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

of the genitourinary system, and Neoplasms accounted for 15.5 percent, 10.5 percent, and 10.1 percent, respectively. The four diagnostic classes that accounted for half of the all-listed diseases were Diseases of the circulatory system (21.8 percent); Diseases of the digestive system (12.1 percent); Diseases of the genitourinary system (9.1 percent); and Endocrine, nutritional and metabolic diseases, and immunity disorders (7.5 percent).

Of the specific conditions shown in table H, the largest discharge rates per 1,000 population were for Heart disease with a rate of 25.6 per 1,000 population and Malignant neoplasms with a rate of 15.0. The all-listed diagnostic rates also showed the Heart disease rate to be the highest, 65.3 per 1,000 population, 2½ times as large as that for the first-listed Heart disease rate (table J). This means that many patients either had more than one heart diagnosis or had another first-listed diagnosis and a Heart disease diagnosis also listed. The Malignant neoplasms rate was next highest at 23.2 per 1,000 population, 1½ times the first-listed diagnosis rate.

The leading first-listed condition for male patients 45–64 years of age was Heart disease, with a discharge rate of 33.9, over twice as large as the next highest rate, 14.0 for Malignant neoplasms. Alcohol dependence syndrome and Inguinal hernia followed with 6.7 and 6.4. The leading all-listed diagnostic rate for males again was Heart disease with 82.6 per 1,000 popula-

tion, 2½ times the first-listed rate. The rate for Malignant neoplasms was next highest at 21.7 per 1,000 population, followed by Diabetes mellitus at 15.9.

The leading first-listed condition for female patients 45–64 years of age was Heart disease with a rate of 18.1, followed by Malignant and Benign neoplasms with rates of 15.9 and 7.1, respectively. Females showed the same leading all-listed diagnoses as males, with a lower rate for Heart disease at 49.5 and higher rates for Malignant neoplasms and Diabetes mellitus at 24.6 and 19.1.

The average length of stay for patients 45–64 years of age was 8.2 days. The longest length of stay was for Acute myocardial infarction with 12.6 days. Other long lengths of stay were for Malignant neoplasms with 11.6 days and Cerebrovascular disease with 11.0 days. The shortest stay was for Inguinal hernia, 5.4 days. There were only slight differences in average length of stay by sex.

### Patients 65 years of age and over

Patients 65 years of age and over represented 10.8 percent of the civilian noninstitutionalized population in 1979, yet they accounted for 24.7 percent of the patients discharged from short-stay hospitals and 37.0 percent of the patient days for 1979. Compared with other age groups this age group had larger proportions of severely ill people, as measured by the greater



Table H. Number, discharge rate, and average length of stay of patients with first-listed diagnoses 45–64 years of age discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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 <sup>1</sup> in days |        |      |
| All conditions <sup>1</sup> .....  | 8,532               | 4,017  | 4,515      | 196.2                     | 193.3  | 198.9      | 8.2   | 8.1    | 8.3  |
| Neoplasms:   |                     |        |            |                           |        |            |   |        |      |
| Malignant neoplasms ..... 140–208  | 651                 | 291    | 360        | 15.0                      | 14.0   | 15.9       | 11.6  | 11.5   | 11.6 |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior ..... 210–239 | 212                 | 50     | 161        | 4.9                       | 2.4    | 7.1        | 6.6   | 6.2    | 6.7  |
| Diabetes mellitus ..... 250  | 217                 | 85     | 132        | 5.0                       | 4.1    | 5.8        | 9.7   | 9.6    | 9.8  |
| Alcohol dependence syndrome ..... 303  | 181                 | 139    | 42         | 4.2                       | 6.7    | 1.9        | 8.8   | 8.7    | 9.3  |
| Heart disease ..... 391–392.0, 393–398, 402, 404, 410–429                              | 1,114               | 704    | 410        | 25.6                      | 33.9   | 18.1       | 8.6   | 8.5    | 8.8  |
| Acute myocardial infarction ..... 410  | 187                 | 134    | 53         | 4.3                       | 6.4    | 2.3        | 12.6  | 12.6   | 12.6 |
| Coronary atherosclerosis ..... 414.0   | 184                 | 127    | 56         | 4.2                       | 6.1    | 2.5        | 7.9   | 7.6    | 8.6  |
| Other chronic ischemic heart disease ..... 412, 414.1, 414.9                           | 206                 | 150    | 56         | 4.7                       | 7.2    | 2.5        | 7.9   | 7.4    | 9.3  |
| Cerebrovascular disease ..... 430–438  | 163                 | 88     | 74         | 3.7                       | 4.2    | 3.3        | 11.0  | 10.8   | 11.4 |
| Diseases of the digestive system:  |                     |        |            |                           |        |            |   |        |      |
| Gastric, duodenal and other and unspecified peptic ulcer ..... 430–534                 | 134                 | 74     | 60         | 3.1                       | 3.6    | 2.6        | 8.1   | 7.7    | 8.5  |
| Inguinal hernia ..... 550  | 141                 | 132    | 9          | 3.2                       | 6.4    | 0.4        | 5.4   | 5.4    | 5.3  |
| Cholelithiasis ..... 574   | 159                 | 49     | 110        | 3.7                       | 2.4    | 4.8        | 9.3   | 10.0   | 9.0  |
| Intervertebral disc disorders ..... 722  | 157                 | 79     | 78         | 3.6                       | 3.8    | 3.4        | 10.7  | 9.8    | 11.6 |
| Fractures, all sites ..... 800–829   | 215                 | 107    | 108        | 4.9                       | 5.1    | 4.8        | 10.1  | 9.7    | 10.4 |

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

Table J. Number and rate of all-listed diagnoses for patients 45–64 years of age discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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          |        |            | Both sexes                |        |            |
|--|---------------------|--------|------------|---------------------------|--------|------------|
|  | Male                | Female | Both sexes | Male                      | Female | Both sexes |
|  | Number in thousands |        |            | Rate per 1,000 population |        |            |
| All conditions <sup>1</sup> .....  | 21,011              | 9,843  | 11,168     | 483.2                     | 473.5  | 492.1      |
| Neoplasms:   |                     |        |            |                           |        |            |
| Malignant neoplasms ..... 140–208  | 1,010               | 452    | 558        | 23.2                      | 21.7   | 24.6       |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior ..... 210–239 | 402                 | 98     | 304        | 9.2                       | 4.7    | 13.4       |
| Diabetes mellitus ..... 250  | 763                 | 330    | 433        | 17.5                      | 15.9   | 19.1       |
| Alcohol dependence syndrome ..... 303  | 350                 | 263    | 88         | 8.0                       | 12.7   | 3.9        |
| Heart disease ..... 391–392.0, 393–398, 402, 404, 410–429                              | 2,840               | 1,716  | 1,123      | 65.3                      | 82.6   | 49.5       |
| Acute myocardial infarction ..... 410  | 283                 | 199    | 85         | 6.5                       | 9.6    | 3.7        |
| Coronary atherosclerosis ..... 414.0   | 430                 | 278    | 152        | 9.9                       | 13.4   | 6.7        |
| Other chronic ischemic heart disease ..... 412, 414.1, 414.9                           | 505                 | 350    | 155        | 11.6                      | 16.8   | 6.8        |
| Cerebrovascular disease ..... 430–438  | 312                 | 172    | 140        | 7.2                       | 8.3    | 6.2        |
| Diseases of the digestive system:  |                     |        |            |                           |        |            |
| Gastric, duodenal and other and unspecified peptic ulcer ..... 530–534                 | 218                 | 121    | 97         | 5.0                       | 5.8    | 4.3        |
| Inguinal hernia ..... 550  | 160                 | 148    | 11         | 3.7                       | 7.1    | 0.5        |
| Cholelithiasis ..... 574   | 228                 | 74     | 154        | 5.2                       | 3.6    | 6.8        |
| Intervertebral disc disorders ..... 722  | 213                 | 104    | 109        | 4.9                       | 5.0    | 4.8        |
| Fractures, all sites ..... 800–829   | 310                 | 155    | 155        | 7.1                       | 7.5    | 6.8        |

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

frequency of chronic incapacitating illnesses, higher hospital fatality rates, and longer average lengths of stay. Diseases of the circulatory system accounted for 29.3 percent of the discharges in this age group, followed by Diseases of the digestive system (13.2

percent), Malignant neoplasms (9.7 percent), and Diseases of the respiratory system (8.8 percent—table 1). These four classes accounted for 61.0 percent of the discharges for this age group. One-third of the all-listed diagnoses was for Diseases of the circulatory system, a

class 3½ times as large as the class with the next largest estimate, Diseases of the digestive system.

Table K shows that Heart disease, with a rate of 72.1 per 1,000 population, had the highest rate for the selected conditions for the age group 65 years and over. Malignant neoplasms and Cerebrovascular disease had the next highest rates, 37.8 and 23.7, respectively. The Heart disease rate was 3.6 times higher for all-listed diagnoses than for first-listed diagnoses, again indicating the probability of more than one heart diagnosis for some discharges and of a heart diagnosis being secondary to another first-listed diagnosis. The first-listed rates for Heart disease, Malignant neoplasms, and Cerebrovascular disease for male discharges were 79.8, 48.1, and 24.4, respectively. Table L shows that for all-listed diagnoses, the rates for these conditions were 3½ times as large (283.1) for Heart disease, 1¾ times as large for Malignant neoplasms (85.0), and over twice as large for Cerebrovascular disease (56.1). The first-listed rates for these conditions for females were 66.7 for Heart disease, 30.7 for Malignant neoplasms, and 23.2 for Cerebrovascular disease. The all-listed rates for these conditions for females were 3½ times as large as the first-listed rate for Heart disease (245.7), about 1½ times as large for Malignant neoplasms (51.8), and over twice as large for Cerebrovascular disease (52.1).

Malignant neoplasm of the trachea, bronchus, and lung was 2½ times larger for males than for females for

first-listed diagnoses and 2 times higher for all-listed diagnoses. Males showed higher rates than females for Heart disease and Pneumonia for both first-listed and all-listed diagnoses. Females, on the other hand, showed higher rates for Diabetes mellitus, Diverticula of the intestine, and Fractures, for first-listed and all-listed diagnoses.

The average length of stay was 10.8 days for all patients 65 years of age and over—10.4 days for males and 11.0 days for females. Table K shows that the longest stay was 20.9 days for Fracture of neck of femur followed by 17.7 days for Malignant neoplasm of large intestine and rectum and 13.8 days for Malignant neoplasm of trachea, bronchus, and lung. Although none of the average hospital stays were short, the stay for Diverticula of intestine was shortest at 9.5 days.

### Diagnoses by geographic region

The number of discharges, the annual discharge rates, and the average lengths of stay are presented by geographic region and first-listed diagnostic category in table 4 and by all-listed diagnostic estimates and rates in table 5. The rate per 1,000 population for all conditions for the United States was 170.2, and for the four geographic regions, it ranged from 146.5 in the West to 185.1 in the North Central.

The three leading first-listed diagnostic classes for

Table K. Number, discharge rate, and average length of stay of patients with first-listed diagnoses 65 years of age and over discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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 conditions <sup>1</sup>  | 9,086               | 3,955  | 5,131      | 388.8                     | 410.5  | 373.6      | 10.8                           | 10.4   | 11.0 |
| Malignant neoplasms . . . . . 140-208  | 884                 | 463    | 421        | 37.8                      | 48.1   | 30.7       | 13.3                           | 12.9   | 13.9 |
| Malignant neoplasm of large intestine and rectum . . . . . 153-154, 197.5                  | 117                 | 54     | 63         | 5.0                       | 5.6    | 4.6        | 17.7                           | 17.2   | 18.1 |
| Malignant neoplasm of trachea, bronchus, and lung . . . . . 162, 197.0, 197.3              | 131                 | 93     | 38         | 5.6                       | 9.7    | 2.8        | 13.8                           | 13.2   | 15.0 |
| Diabetes mellitus . . . . . 250  | 228                 | 70     | 159        | 9.8                       | 7.3    | 11.6       | 12.3                           | 11.3   | 12.7 |
| Heart disease . . . . . 391-392.0, 393-398, 402, 404, 410-429                              | 1,684               | 769    | 916        | 72.1                      | 79.8   | 66.7       | 10.5                           | 10.2   | 10.8 |
| Acute myocardial infarction . . . . . 410  | 219                 | 114    | 105        | 9.4                       | 11.8   | 7.6        | 12.7                           | 12.7   | 12.8 |
| Coronary atherosclerosis . . . . . 414.0   | 383                 | 169    | 214        | 16.4                      | 17.5   | 15.6       | 10.7                           | 10.1   | 11.2 |
| Cardiac dysrhythmias . . . . . 427   | 181                 | 83     | 98         | 7.7                       | 8.6    | 7.1        | 9.0                            | 8.8    | 9.3  |
| Congestive heart failure . . . . . 428.0   | 298                 | 129    | 169        | 12.8                      | 13.4   | 12.3       | 11.0                           | 10.8   | 11.1 |
| Cerebrovascular disease . . . . . 430-438  | 554                 | 235    | 319        | 23.7                      | 24.4   | 23.2       | 12.8                           | 12.6   | 12.9 |
| Pneumonia, all forms . . . . . 480-486   | 256                 | 130    | 126        | 11.0                      | 13.5   | 9.2        | 10.8                           | 10.8   | 10.9 |
| Diverticula of intestine . . . . . 562   | 121                 | 32     | 89         | 5.2                       | 3.3    | 6.5        | 9.5                            | 9.1    | 9.6  |
| Cholelithiasis . . . . . 574   | 127                 | 47     | 80         | 5.4                       | 4.9    | 5.8        | 12.7                           | 12.3   | 12.9 |
| Hyperplasia of prostate . . . . . 600  | 159                 | 159    | ...        | 6.8                       | 16.5   | ...        | 10.4                           | 10.4   | ...  |
| Rheumatoid arthritis, except spine, osteoarthritis and allied disorders . . . . . 714, 715 | 124                 | 35     | 89         | 5.3                       | 3.6    | 6.5        | 13.4                           | 13.1   | 13.6 |
| Fracture of neck and femur . . . . . 820   | 172                 | 33     | 139        | 7.4                       | 3.4    | 10.1       | 20.9                           | 19.4   | 21.3 |
| Other fractures . . . . . 800-819, 821-829   | 203                 | 51     | 152        | 8.7                       | 5.3    | 11.1       | 12.3                           | 13.4   | 11.9 |

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

Table L. Number and rate of all-listed diagnoses for patients 65 years of age and over discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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          | Male   | Female | Both sexes                | Male    | Female  |
|---|---------------------|--------|--------|---------------------------|---------|---------|
|   | Number in thousands |        |        | Rate per 1,000 population |         |         |
| All conditions <sup>1</sup> .....   | 28,771              | 12,402 | 16,369 | 1,231.2                   | 1,287.3 | 1,191.8 |
| Malignant neoplasms .....   | 1,530               | 819    | 711    | 65.5                      | 85.0    | 51.8    |
| Malignant neoplasm of large intestine and rectum..... 153-154, 197.5                  | 156                 | 70     | 86     | 6.7                       | 7.3     | 6.3     |
| Malignant neoplasm of trachea, bronchus, and lung..... 162, 197.0, 197.3              | 198                 | 134    | 63     | 8.5                       | 13.9    | 4.6     |
| Diabetes mellitus .....   | 1,027               | 374    | 654    | 43.9                      | 38.8    | 47.6    |
| Heart disease .....   | 6,102               | 2,727  | 3,375  | 261.1                     | 283.1   | 245.7   |
| Acute myocardial infarction .....   | 363                 | 190    | 173    | 15.5                      | 19.7    | 12.6    |
| Coronary atherosclerosis .....  | 1,364               | 591    | 772    | 58.4                      | 61.3    | 56.2    |
| Cardiac dysrhythmias.....   | 841                 | 398    | 443    | 36.0                      | 41.3    | 32.3    |
| Congestive heart failure.....   | 944                 | 407    | 537    | 40.4                      | 42.2    | 39.1    |
| Cerebrovascular disease.....  | 1,256               | 540    | 716    | 53.7                      | 56.1    | 52.1    |
| Pneumonia, all forms .....  | 436                 | 230    | 206    | 18.7                      | 23.9    | 15.0    |
| Diverticula of intestine.....   | 351                 | 107    | 245    | 15.0                      | 11.1    | 17.8    |
| Cholelithiasis .....  | 247                 | 86     | 161    | 10.6                      | 8.9     | 11.7    |
| Hyperplasia of prostate .....   | 317                 | 317    | ...    | 13.6                      | 32.9    | ...     |
| Rheumatoid arthritis, except spine, osteoarthritis and allied disorders..... 714, 715 | 593                 | 160    | 434    | 25.4                      | 16.6    | 31.6    |
| Fracture of neck of femur .....   | 192                 | 38     | 154    | 8.2                       | 3.9     | 11.2    |
| Other fractures.....  | 315                 | 86     | 228    | 13.5                      | 8.9     | 16.6    |

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

each geographic region are shown as follows:

- Northeast
  - Diseases of the circulatory system
  - Diseases of the digestive system
  - Supplementary classification of factors influencing health status (including Females with deliveries)
- North Central
  - Diseases of the circulatory system
  - Diseases of the digestive system
  - Supplementary classification of factors influencing health status (including Females with deliveries)
- South
  - Diseases of the circulatory system
  - Diseases of the digestive system
  - Supplementary classification of factors influencing health status (including Females with deliveries)
- West
  - Supplementary classification of factors influencing health status (including Females with deliveries)
  - Diseases of the circulatory system
  - Injury and poisoning

In all four regions, Diseases of the circulatory system and the Supplementary classification of factors influencing health status were among the three diagnostic classes with the largest frequencies. Diseases of

the digestive system was one of the three leading diagnostic classes in all regions except the West, where Injury and poisoning ranked third in frequency. For each geographic region, the three leading diagnostic classes accounted for a total of 36 to 40 percent of all discharges in the corresponding region.

All of the regions except the West showed the same three leading classes in the same ranking for all-listed diagnoses—Diseases of the circulatory system, Diseases of the digestive system, and Diseases of the genitourinary system. In addition to Diseases of the circulatory system, the West showed Injury and poisoning and the Supplementary classification of factors influencing health status to be the leading causes for all-listed diagnoses.

The rate of discharge per 1,000 population and the average length of stay for selected first-listed conditions by geographic region are shown in table M. Females with deliveries, Heart disease, and Malignant neoplasms were the conditions with the highest rates for all four regions. Many of the conditions had considerable regional variation. The large variations in discharge rates were recorded for Alcohol dependence syndrome (0.8 in the South to 4.5 in the Northeast), Pneumonia, all forms (2.3 in the West to 4.8 in the South), and Pregnancy with abortive outcome (1.9 in the West to 3.8 in the Northeast).

The average length of stay was 8.4 days in the Northeast, 7.4 in the North Central, 6.8 in the South, and 6.0 in the West. For all but three of the selected diagnostic conditions shown in table M, the average length of stay was shortest in the West and longest in the

Table M. Discharge rate and average length of stay of patients with first-listed diagnoses discharged from short-stay hospitals, by selected diagnostic categories and geographic regions: United States, 1979

[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  | Average length of stay in days |           |               |       |      |
|--|---------------------------|-----------|---------------|-------|-------|--------------------------------|-----------|---------------|-------|------|
|  |                           |           |               |       |       | All regions                    | Northeast | North Central | South | West |
|  | Rate per 1,000 population |           |               |       |       | Average length of stay in days |           |               |       |      |
| All conditions <sup>1</sup>  | 170.2                     | 161.4     | 185.1         | 177.6 | 146.5 | 7.2                            | 8.4       | 7.4           | 6.8   | 6.0  |
| Neoplasms:   |                           |           |               |       |       |                                |           |               |       |      |
| Malignant neoplasms . . . . . 140-208  | 8.1                       | 9.2       | 9.1           | 6.7   | 7.6   | 12.3                           | 14.6      | 12.0          | 12.0  | 9.9  |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 210-239                                 | 3.0                       | 3.8       | 3.0           | 2.8   | 2.6   | 6.2                            | 6.7       | 6.2           | 6.2   | 5.0  |
| Diabetes mellitus . . . . . 250  | 2.8                       | 2.9       | 3.0           | 3.2   | 1.7   | 10.1                           | 12.9      | 10.3          | 8.7   | 8.5  |
| Alcohol dependence syndrome . . . . . 303  | 2.0                       | 4.5       | 2.1           | 0.8   | 1.2   | 9.3                            | 7.4       | 14.8          | 6.6   | 7.1  |
| Heart disease . . . . . 391-392.0, 393-398, 402, 404, 410-429  | 14.2                      | 14.8      | 14.0          | 15.1  | 12.2  | 9.6                            | 11.6      | 9.9           | 8.9   | 7.5  |
| Acute myocardial infarction . . . . . 410  | 2.0                       | 2.3       | 1.9           | 2.0   | 1.8   | 12.6                           | 14.5      | 13.6          | 11.8  | 9.7  |
| Coronary atherosclerosis . . . . . 414.0   | 2.7                       | 3.5       | 2.6           | 2.8   | 1.8   | 9.7                            | 11.7      | 9.4           | 9.3   | 7.1  |
| Cerebrovascular disease . . . . . 430-438  | 3.5                       | 3.3       | 3.8           | 3.6   | 2.8   | 12.4                           | 15.9      | 12.0          | 11.3  | 10.4 |
| Diseases of the respiratory system:  |                           |           |               |       |       |                                |           |               |       |      |
| Acute respiratory infections . . . . . 460-466   | 2.5                       | 1.7       | 2.7           | 3.5   | 1.3   | 4.7                            | 5.3       | 5.1           | 4.6   | 3.5  |
| Chronic disease of tonsils and adenoids . . . . . 474  | 2.3                       | 1.7       | 3.1           | 2.1   | 2.2   | 2.0                            | 1.7       | 2.0           | 2.2   | 1.8  |
| Pneumonia, all forms . . . . . 480-486   | 3.5                       | 2.7       | 3.4           | 4.8   | 2.3   | 8.0                            | 9.2       | 8.2           | 7.4   | 7.6  |
| Inguinal hernia . . . . . 550  | 2.2                       | 2.6       | 2.5           | 1.8   | 2.0   | 4.9                            | 5.2       | 5.1           | 5.2   | 3.8  |
| Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis . . . . . 555-556, 558 | 2.9                       | 2.1       | 3.0           | 3.8   | 1.9   | 5.4                            | 6.3       | 5.7           | 4.9   | 5.2  |
| Cholelithiasis . . . . . 574   | 2.1                       | 2.2       | 2.1           | 2.3   | 1.6   | 9.8                            | 11.5      | 9.9           | 9.5   | 7.7  |
| Disorders of menstruation and other abnormal vaginal bleeding . . . . . 626  | 2.1                       | 2.2       | 2.3           | 2.3   | 1.2   | 3.4                            | 3.0       | 3.4           | 3.7   | 3.2  |
| Pregnancy with abortive outcome . . . . . 630-639  | 2.5                       | 3.8       | 2.4           | 2.0   | 1.9   | 2.2                            | 2.0       | 2.1           | 2.6   | 1.9  |
| Females with deliveries . . . . . V27  | 16.9                      | 15.1      | 17.6          | 17.7  | 16.7  | 3.7                            | 4.4       | 4.1           | 3.5   | 2.9  |
| Fractures, all sites . . . . . 800-829   | 5.5                       | 4.9       | 5.9           | 5.1   | 6.1   | 10.5                           | 12.4      | 10.6          | 10.4  | 8.2  |

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

Northeast. In recent years the average length of stay for patients in the Northeast has been substantially longer than that for patients in the West (40 percent longer in 1979).

The discharge rate per 1,000 population for selected all-listed diagnoses are shown by geographic region in table N. In all regions, the highest rates for all-listed diagnoses were for Heart disease, a rate 3 times as large as the first-listed rate, and for Malignant neoplasms, 1.6 times the first-listed rate. There was considerable regional variation among the all-listed selected conditions. Large variations were recorded for Heart disease, Alcohol dependence syndrome, Diabetes mel-

litus, Malignant neoplasms, and Pneumonia, all forms.

Patients were hospitalized at least 50 percent longer in the Northeast than in the West for Diabetes mellitus, Heart disease, Cerebrovascular disease, Females with deliveries, and Fractures, all sites. The regional differences show that the West had significantly shorter stays than the Northeast—5.5 days shorter for Cerebrovascular disease and over 4 days shorter for Malignant neoplasms, Diabetes mellitus, Heart disease, and Fractures, all sites. The differences in the average lengths of stay were less marked between the North Central and the West, and for most conditions, even less marked between the South and the West.

Table N. Rate of all-listed diagnoses for patients discharged from short-stay hospitals, by selected diagnostic categories and geographic regions: United States, 1979

[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  | Rate per 1,000 population |  |  |  |  |
|---|---|-----------|---------------|-------|-------|---------------------------|--|--|--|--|
|   |   |           |               |       |       |                           |  |  |  |  |
| All conditions <sup>1</sup>   | 398.9                                   | 376.4     | 437.4         | 418.0 | 337.5 |                           |  |  |  |  |
| Neoplasms   | 18.6                                    | 21.1      | 20.8          | 16.5  | 16.0  |                           |  |  |  |  |
| Malignant neoplasms   | 140-208                                 | 13.1      | 14.9          | 15.1  | 10.9  | 11.8                      |  |  |  |  |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior                            | 210-239                                 | 5.5       | 6.2           | 5.7   | 5.6   | 4.2                       |  |  |  |  |
| Diabetes mellitus   | 250                                     | 9.9       | 11.2          | 10.6  | 10.2  | 6.8                       |  |  |  |  |
| Alcohol dependence syndrome   | 303                                     | 3.8       | 6.6           | 4.0   | 1.9   | 3.4                       |  |  |  |  |
| Heart disease   | 391-392.0, 393-398, 402, 404, 410-429   | 44.1      | 49.0          | 44.2  | 45.9  | 35.2                      |  |  |  |  |
| Acute myocardial infarction   | 410                                     | 3.2       | 3.8           | 3.0   | 3.2   | 2.8                       |  |  |  |  |
| Coronary atherosclerosis  | 414.0                                   | 8.5       | 11.3          | 8.8   | 7.9   | 5.7                       |  |  |  |  |
| Cerebrovascular disease   | 430-438                                 | 7.5       | 7.4           | 8.0   | 8.2   | 5.7                       |  |  |  |  |
| Diseases of the respiratory system:   |   |           |               |       |       |                           |  |  |  |  |
| Acute respiratory infections  | 460-466                                 | 4.0       | 2.9           | 4.5   | 5.4   | 2.1                       |  |  |  |  |
| Chronic disease of tonsils and adenoids   | 474                                     | 2.8       | 2.1           | 3.8   | 2.7   | 2.7                       |  |  |  |  |
| Pneumonia, all forms  | 480-486                                 | 5.3       | 4.0           | 5.3   | 7.2   | 3.5                       |  |  |  |  |
| Diseases of the digestive system:   |   |           |               |       |       |                           |  |  |  |  |
| Inguinal hernia   | 550                                     | 2.6       | 3.1           | 3.0   | 2.2   | 2.4                       |  |  |  |  |
| Regional enteritis and idiopathic proctocolitis and other noninfectious gastroenteritis and colitis | 555-556, 558                            | 3.8       | 2.8           | 4.1   | 5.1   | 2.6                       |  |  |  |  |
| Cholelithiasis  | 574                                     | 3.1       | 3.4           | 3.2   | 3.5   | 2.2                       |  |  |  |  |
| Disorders of menstruation and other abnormal vaginal bleeding                                       | 626                                     | 2.9       | 3.0           | 3.1   | 3.2   | 1.8                       |  |  |  |  |
| Pregnancy with abortive outcome   | 630-639                                 | 2.6       | 4.0           | 2.6   | 2.1   | 2.1                       |  |  |  |  |
| Females with deliveries   | V27                                     | 16.9      | 15.1          | 17.6  | 17.7  | 16.7                      |  |  |  |  |
| Delivery without mention of complication  | 650                                     | 8.3       | 7.5           | 9.2   | 7.8   | 8.6                       |  |  |  |  |
| Complications of delivery   | 640-648, 651-676, with 5th digit 1 or 2 | 11.6      | 10.0          | 11.4  | 12.9  | 11.4                      |  |  |  |  |
| Fractures, all sites  | 800-829                                 | 7.8       | 6.9           | 8.4   | 7.4   | 8.5                       |  |  |  |  |

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

# Newborn infant discharges

Table O shows the number, percent distribution, and average length of stay of newborn infants discharged from short-stay hospitals, by geographic region and race. The estimated 3.7 million newborn infants discharged in 1979 were equally divided between the sexes. The South accounted for 33.9 percent of the infants, followed by the North Central with 28.0 percent, the Northeast with 19.5 percent, and the West with 18.6 percent. In all regions, the sexes were evenly divided.

Seventy percent of the newborn infants were white, 18 percent were "all other," and 12 percent did not have race stated on the face sheet of the medical record. The largest percent of white infants were born in the West (74.6 percent), and the Northeast (72.7 percent). The North Central and the South had 68.8 and 67.4 percent, respectively. The geographic region with the largest percent of "all other" newborn infants was the South, with 28.2 percent. Second was the Northeast with 15.2 percent, followed by the North Central with 11.9 percent and the West with 9.3 percent. Because of the wide regional variations in percents for which race was not stated, these statistics should be interpreted with caution. The North Central with 19.2 percent had the largest percent of newborn infants for whom race was not stated while the South had the smallest, 4.4 percent.

The average length of stay was 4.2 days for all newborn discharges. The newborn average length of stay was shortest in the West for both sexes, 3.3 days for males and 3.5 days for females. The Northeast had the longest average stay for both sexes: males 4.9 days and females 5.1 days.

When analyzed by race, the "all other" category of newborn infants had the longest hospital stay, 4.8 days, followed by those for whom race was not stated, 4.2 days, and white infants, 4.0 days. "All other" newborn infants also had the longest hospital stays in each of the four regions. The Northeast showed the longest average length of stay for both race groups, while the West had the shortest for white infants, and the South had the

shortest length of stay for infants in the "all other" category. In the Northeast, the average stay for the "all other" category of infants was 6.2 days while the South

Table O. Number, percent distribution, and average length of stay for newborn infants discharged from non-Federal short-stay hospitals by sex and race, according to geographic region: United States, 1979

| Sex and race                | Geographic region              |            |               |       |       |
|-----------------------------|--------------------------------|------------|---------------|-------|-------|
|                             | All regions                    | North-east | North Central | South | West  |
|                             | Number in thousands            |            |               |       |       |
| All newborn infants . . . . | 3,680                          | 718        | 1,029         | 1,247 | 686   |
| Sex                         |                                |            |               |       |       |
| Male . . . . .              | 1,906                          | 375        | 534           | 642   | 355   |
| Female . . . . .            | 1,774                          | 343        | 495           | 605   | 331   |
| Race                        |                                |            |               |       |       |
| White . . . . .             | 2,581                          | 522        | 708           | 840   | 512   |
| All other . . . . .         | 647                            | 109        | 122           | 352   | 64    |
| Not stated . . . . .        | 451                            | 87         | 198           | 55    | 111   |
|                             | Percent distribution           |            |               |       |       |
| All newborn infants . . . . | 100.0                          | 100.0      | 100.0         | 100.0 | 100.0 |
| Sex                         |                                |            |               |       |       |
| Male . . . . .              | 51.8                           | 52.2       | 51.9          | 51.5  | 51.7  |
| Female . . . . .            | 48.2                           | 47.8       | 48.1          | 48.5  | 48.3  |
| Race                        |                                |            |               |       |       |
| White . . . . .             | 70.1                           | 72.7       | 68.8          | 67.4  | 74.6  |
| All other . . . . .         | 17.6                           | 15.2       | 11.9          | 28.2  | 9.3   |
| Not stated . . . . .        | 12.3                           | 12.1       | 19.2          | 4.4   | 16.2  |
|                             | Average length of stay in days |            |               |       |       |
| All newborn infants . . . . | 4.2                            | 5.0        | 4.6           | 3.8   | 3.4   |
| Sex                         |                                |            |               |       |       |
| Male . . . . .              | 4.1                            | 4.9        | 4.6           | 3.8   | 3.3   |
| Female . . . . .            | 4.2                            | 5.1        | 4.6           | 3.8   | 3.5   |
| Race                        |                                |            |               |       |       |
| White . . . . .             | 4.0                            | 4.8        | 4.5           | 3.7   | 3.3   |
| All other . . . . .         | 4.8                            | 6.2        | 5.7           | 4.1   | 4.3   |
| Not stated . . . . .        | 4.2                            | 5.0        | 4.4           | 4.1   | 3.4   |

showed only 4.1 days. White newborn infants remained in the hospital an average of 4.8 days in the Northeast and 3.3 days in the West. Newborn infants for whom race was not stated remained in the hospital the longest time in the Northeast and the shortest time in the West, 5.0 and 3.4 days, respectively.

In 1979 approximately 75 percent of the 3.7 million newborn infants were "well," that is, did not have an illness or risk-related diagnosis. An estimated 928,000 infants (25 percent) had at least one diagnosis in addition to the newborn diagnosis (table P). Of the 1.5 million diagnoses for these infants (table Q), the largest estimate was for jaundice, 401,000 (26 percent of the diagnoses). The next largest estimate was 224,000 (15 percent) for prematurity, followed by respiratory conditions with 181,000 (12 percent) and congenital anomalies with 142,000 (9 percent). Male infants had larger estimates than female infants for congenital

Table P. Number and average length of stay of newborn infants discharged from non-Federal short-stay hospitals, by sex and health status: United States, 1979

| Health status             | Both sexes                     | Male  | Female |
|---------------------------|--------------------------------|-------|--------|
|                           | Number in thousands            |       |        |
| All newborn infants.....  | 3,680                          | 1,906 | 1,774  |
| Well newborn infants..... | 2,752                          | 1,416 | 1,335  |
| Sick newborn infants..... | 928                            | 490   | 439    |
|                           | Average length of stay in days |       |        |
| All newborn infants.....  | 4.2                            | 4.1   | 4.2    |
| Well newborn infants..... | 3.3                            | 3.3   | 3.3    |
| Sick newborn infants..... | 6.9                            | 6.7   | 7.1    |

Table Q. Number of all-listed diagnoses for newborn infants discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[All-listed diagnoses in non-Federal short-stay hospitals. 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          | Male | Female |
|---|---------------------|------|--------|
|   | Number in thousands |      |        |
| "Sick" newborn infant diagnoses <sup>1</sup> .....  | 1,527               | 821  | 707    |
| Congenital anomalies..... 740-759   | 142                 | 78   | 64     |
| Disorders relating to short gestation and unspecified low birthweight (prematurity)..... 765            | 224                 | 111  | 113    |
| Respiratory distress syndrome and other respiratory conditions of fetus and newborn..... 769-770        | 181                 | 104  | 77     |
| Hemolytic disease of fetus or newborn, due to isoimmunization and other perinatal jaundice..... 773-774 | 401                 | 212  | 189    |

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

anomalies and respiratory conditions (22 percent and 35 percent larger, respectively), which is explained in part by the fact that males accounted for 12 percent more of the "sick" newborn infants and 16 percent more of the 1.5 million diagnoses for "sick" infants.

Table P indicates that well newborn infants had an average hospital stay of 3.3 days and that there was no difference in the length of stay by sex. This table further demonstrates that "sick" newborn infants stay twice as long as well infants and account for 42 percent of the newborn patient days although they compose only 25 percent of newborn infants.

## Deaths in short-stay hospitals

In 1979, 92.0 percent of patients, excluding newborn infants, who were discharged from short-stay hospitals were discharged alive, 2.5 percent were discharged dead, and for 5.5 percent a discharge status was not ascribed. Of the estimated 924,000 patients who died, 52.8 percent were male and 47.1 percent were female (table R). As expected, patients 65 years and over accounted for the majority of hospital deaths, 68.8 percent. Patients under 65 years of age accounted for 31.2 percent of the deaths.

The hospital fatality rate is the number of deaths divided by the number of total discharges multiplied by 100. This is a conservative rate since the formula assumes that all those patients whose discharge status was not stated were discharged alive. A fatality rate of 2.5 has been computed for patients in 1979. The rate for males was higher than that for females—3.3 for males as compared with 2.0 for females. However, when obstetrical conditions were excluded, the female fatality rate increased to 2.4.

The 65 years and over age group had a hospital fatality rate of 7.0, whereas patients under 65 years of age had a fatality rate of 1.0. Males had a higher fatality rate than females in every age group except the youngest (under 15 years). The largest difference occurred in the 65 years and over age group, for which

the hospital fatality rate for males was 1.4 times as high as the fatality rate for females.

Table S shows the discharge status for patients discharged from short-stay hospitals by race. These data show that of the estimated 924,000 patients who died in short-stay hospitals in 1979, 76.3 percent were white, while 74.7 percent of all discharges were white. An estimated 11 percent of the deaths were for patients other than white. However, discharges who were other than white represented 12.4 percent of all discharges. Discharge status for race not stated accounted for 12.6

Table S. Discharge status for patients discharged from short-stay hospitals, by race: United States, 1979

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

| Race                | All discharges | Discharge status |      |            |
|---------------------|----------------|------------------|------|------------|
|                     |                | Alive            | Dead | Not stated |
| Number in thousands |                |                  |      |            |
| All races . . . . . | 36,747         | 33,812           | 924  | 2,011      |
| White. . . . .      | 27,451         | 25,184           | 705  | 1,562      |
| All other . . . . . | 4,572          | 4,187            | 102  | 283        |
| Not stated. . . . . | 4,724          | 4,441            | 116  | 166        |

Table R. Number of deaths and fatality rate of patients discharged from short-stay hospitals, by sex and age: United States, 1979

[Deaths in non-Federal short-stay hospitals. Excludes newborn infants]

| Age   | Both sexes |      |        | Male       |      |        | Female     |      |        |
|---|------------|------|--------|------------|------|--------|------------|------|--------|
|   | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Number in thousands                                 |            |      |        |            |      |        |            |      |        |
| All ages . . . . .                                  | 924        | 488  | 435    | 2.5        | 3.3  | 2.0    |            |      |        |
| All ages excluding obstetrical conditions . . . . . | 924        | 488  | 435    | 2.8        | 3.3  | 2.4    |            |      |        |
| Under 65 years . . . . .                            | 287        | 160  | 128    | 1.0        | 1.5  | 0.8    |            |      |        |
| Under 15 years . . . . .                            | 19         | 9    | 10     | 0.5        | 0.4  | 0.6    |            |      |        |
| 15-44 years . . . . .                               | 52         | 27   | 24     | 0.3        | 0.6  | 0.2    |            |      |        |
| 45-64 years . . . . .                               | 217        | 123  | 93     | 2.5        | 3.1  | 2.1    |            |      |        |
| 65 years and over. . . . .                          | 636        | 329  | 308    | 7.0        | 8.3  | 6.0    |            |      |        |



Table T. Number of deaths and fatality rate of patients discharged from short-stay hospitals, by age and selected first-listed diagnoses: United States, 1979  
 [Deaths 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 ages            | Under 65 years | 65 years and over | All ages                | Under 65 years | 65 years and over |
|--|---------------------|----------------|-------------------|-------------------------|----------------|-------------------|
|  | Number in thousands |                |                   | Rate per 100 discharges |                |                   |
| All deaths.....  | 924                 | 286            | 636               | 2.5                     | 1.0            | 7.0               |
| Malignant neoplasms..... 140-208                         | 239                 | 99             | 140               | 13.7                    | 11.5           | 15.9              |
| Heart disease..... 391-392.0, 393-398, 402, 404, 410-429 | 248                 | 58             | 189               | 8.1                     | 4.2            | 11.2              |
| Acute myocardial infarction..... 410                     | 82                  | 18             | 64                | 19.0                    | 8.5            | 29.3              |
| Chronic ischemic heart disease..... 411-414              | 43                  | 10             | 33                | 3.3                     | 1.6            | 5.1               |
| Cerebrovascular disease..... 430-438                     | 96                  | 18             | 78                | 12.8                    | 9.5            | 14.0              |
| Aneurysm, except cerebral and congenital..... 441-442    | 13                  | 3              | 10                | 26.2                    | 16.0           | 32.2              |
| Pneumonia, all forms..... 480-486                        | 43                  | 6              | 36                | 5.7                     | 1.3            | 14.2              |
| Nephritis, nephrotic syndrome and nephrosis..... 580-589 | 17                  | 3              | 13                | 12.4                    | 3.9            | 26.4              |
| Injury and poisoning..... 800-999                        | 41                  | 20             | 21                | 1.1                     | 0.7            | 2.9               |
| All other conditions.....                                | 102                 | 50             | 51                | 0.4                     | 0.3            | 1.3               |

Table U. Average length of stay of patients discharged from short-stay hospitals, by discharge status, age, and sex: United States, 1979  
 [Discharges from non-Federal short-stay hospitals. Excludes newborn infants]

| Age  | Discharge status               |      |        |            |      |        |
|--|--------------------------------|------|--------|------------|------|--------|
|  | Alive                          |      |        | Dead       |      |        |
|  | Both sexes                     | Male | Female | Both sexes | Male | Female |
|  | Average length of stay in days |      |        |            |      |        |
| All ages.....                                | 7.0                            | 7.5  | 6.7    | 13.4       | 13.2 | 13.6   |
| All ages excluding obstetric conditions..... | 7.0                            | 7.5  | 7.3    | 13.4       | 13.2 | 13.7   |
| Under 65 years.....                          | 5.9                            | 6.5  | 5.6    | 13.7       | 12.7 | 14.9   |
| Under 15 years.....                          | 4.3                            | 4.4  | 4.2    | 10.1       | 11.4 | 8.9    |
| 15-44 years.....                             | 5.2                            | 6.3  | 4.7    | 15.0       | 15.2 | 14.8   |
| 45-64 years.....                             | 8.0                            | 7.9  | 8.1    | 13.7       | 12.3 | 15.5   |
| 65 years and over.....                       | 10.5                           | 10.2 | 10.8   | 13.3       | 13.5 | 13.1   |

percent of hospital deaths and 12.9 percent of all hospital discharges.

The estimated number of hospital deaths and hospital fatality rates for patients under 65 years of age and for those 65 years and over are shown for selected conditions in table T. These data are not synonymous with data for underlying cause of death as reported in *Vital Statistics in the United States*. Of the estimated 924,000 deaths in short-stay hospitals, 89 percent are accounted for by the diagnostic groupings shown in table T. Of these, Heart disease was associated with the largest number of deaths—248,000—representing 26.8 percent of all hospital deaths.

Aneurysm (except cerebral and congenital), had the highest fatality rate, 26.2 per 100 discharges, followed by Acute myocardial infarction, a subcategory of Heart disease, with a rate of 19.0 per 100 discharges. Malignant neoplasms; Cerebrovascular disease; and Nephritis, nephrotic syndrome, and nephrosis also had high fatality rates at 13.7, 12.8, and 12.4, respectively. The fatality rate for patients 65 years of

age and over was 7 times as high as those for patients under 65 years of age for all deaths. The rates for patients 65 years and over were 10 times as high for Pneumonia, all forms; 7 times as large for Nephritis, nephrotic syndrome, and nephrosis; and 4 times as large for Injury and poisoning.

The average length of stay for patients discharged from short-stay hospitals, by discharge status and sex, is shown in table U. The average stay for all patients discharged was 7.2 days. Patients discharged alive had an average stay of 7.0 days compared with an average stay of 13.4 days for patients who died in the hospital.

Patients under 65 years of age, discharged alive, stayed an average of 5.9 days, while those who died had an average stay of 13.7 days. The hospital stay for patients 15-44 years of age who died was 3 times as long as for those who were discharged alive (15.0 and 5.2). The difference in length of stay was much smaller for patients 65 years and over—10.5 days for those discharged alive and 13.3 days for those who died.

## External causes of injury and poisoning

The ICD-9-CM Supplementary Classification of External Causes of Injury and Poisoning, "E" code, was used for the first time, on a trial basis, in coding 1979 diagnoses. It should be pointed out that the E-code data is underreported. For example, each of the 3.6 million discharges in the Injury and poisoning class (table 1) were eligible for having an E code assigned, provided the necessary information was present on the face sheet or discharge summary of the medical record, the source for National Hospital Discharge Survey diagnostic information. Lack of precise information or failure of the National Center for Health Statistics abstractors to identify it resulted in about a 50-percent undercount. It is obvious from the small estimates for Motor vehicle traffic and nontraffic accidents (E810-E825) and Accidental falls (E880-E888) that the information required to provide E-code data on injuries (fractures, open wounds, concussions, and so forth) was not available. Estimates based on the data that were available are presented in this section.

E codes describe "environmental events, circumstances, and conditions as the cause of injury, poisoning, and other adverse effects"<sup>2</sup> for conditions in the main ICD-9-CM classification. They are included as a supplementary diagnosis category only, since they provide additional information about other diagnoses, including those that are first-listed.

There were 1.7 million E-code diagnoses in 1979, 791,000 for male patients and 919,000 for female patients (table W). These data are grouped into the 10 categories showing the largest estimates of external causes of injury and poisoning. The largest number of recorded causes was for the category Surgical and medical procedures as the cause of abnormal reaction of patient or later complication, without mention of misadventure at the time of procedure (626,000 patients). The second largest number of recorded causes was for Drugs, medicinal and biological substances causing adverse effects in therapeutic use, which had 434,000 discharges. This category, E930-E949, is the only group for which coding is mandatory because it

provides the only means of identifying a drug causing an adverse effect in therapeutic use. The category Accidental poisoning by drugs, medicinal substances, and

Table W. Number of all-listed E-code estimates for patients discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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 E code  | Both sexes | Male | Female |
|--|------------|------|--------|
| Number in thousands  |            |      |        |
| All E codes . . . . . E800-E999  | 1,710      | 791  | 919    |
| Motor vehicle traffic and nontraffic accidents . . . . . E810-E825   | 67         | 39   | 28     |
| Accidental poisoning by drugs, medicinal substances, and biologicals . . . . . E850-E858   | 209        | 78   | 131    |
| Accidental poisoning by other solid and liquid substances, gases, and vapors . . . . . E860-E869   | 58         | 35   | 23     |
| Surgical and medical procedures as the cause of abnormal reaction of patient or later complication, without mention of misadventure at the time of procedure . . . . . E878-E879 | 626        | 276  | 350    |
| Accidental falls . . . . . E880-E888   | 49         | 18   | 30     |
| Accidents caused by fire and flames and accidents due to natural and environmental factors . . . . . E890-E909   | 40         | 24   | 16     |
| Accidents caused by submersion, suffocation, and foreign bodies, other accidents, and late effects of accidental injury . . . . . E910-E929                                      | 156        | 127  | 29     |
| Drugs, medicinal and biological substances causing adverse effects in therapeutic use . . . . . E930-E949  | 434        | 163  | 271    |
| Suicide and self-inflicted injury . . . . . E950-E959  | 40         | 11   | 29     |
| Homocide and injury purposely inflicted by other persons . . . . . E960-E969   | 23         | 15   | 8      |
| Other E-codes . . . . . E800-E807, E826-E848, E870-E876, E970-E999   | 8          | 5    | 3      |

NOTE: Caution should be used in drawing conclusions from these data as there is considerable underreporting of E codes on the National Hospital Discharge Survey abstracts.

biologicals followed with 209,000 patients. These three categories accounted for three-quarters of all of the E-code diagnoses. Estimates are shown below for the largest subcategories of these three groupings.

**Surgical and medical procedures as the cause of abnormal reaction of patient or later complication, without mention of misadventure at the time of procedure**

Of the 626,000 total, 542,000 diagnoses involved abnormal reaction attributable to surgical procedure (table Y). One of the largest specified subcategories consisted of 98,000 diagnoses for abnormal reaction to Surgical operation with implant of artificial internal device. Another specified subcategory with 52,000 diagnoses was abnormal reaction to Surgical operation with anastomosis, bypass, or graft, with natural or artificial tissues used as implant. Diagnoses of abnormal reactions to Other specified and unspecified surgical operations and procedures totaled 273,000.

The remaining 83,000 diagnoses that make up the 626,000 total involved abnormal reactions to other than surgical procedures. This subgroup includes 35,000 diagnoses for abnormal reaction to Radiological procedure and radiotherapy.

**Drugs, medicinal and biological substances causing adverse effects in therapeutic use**

This category includes data on the correct drug properly administered in therapeutic or prophylactic

dosage, as the cause of any adverse effect. E-code estimates for this category are shown in table Z. The largest specified subcategory was for adverse effects of Antibiotics, totaling 66,000 diagnoses, 45,000 of which were for adverse effects of Penicillins. Adverse effects of Hormones and synthetic substitutes was another large specified group and accounted for 44,000 diagnoses. Adverse effects from this group involving Adrenal cortical steroids and Insulins and antidiabetic agents each totaled 16,000 diagnoses. An estimated 43,000 diagnoses were attributable to adverse effects from Analgesics, antipyretics, and antirheumatics, including 20,000 diagnoses of adverse effects from Salicylates, of which common aspirin is an inclusion. Adverse effects from Psychotropic agents totaled 28,000 diagnoses, 68 percent of which were adverse effects from tranquilizers. There were 49,000 adverse effects from Agents primarily affecting the cardiovascular system. An estimated 26,000 diagnoses of this specified subcategory were for adverse reactions to Cardiotonic glycosides and drugs of similar action such as digitalis and digoxin. Other and unspecified drugs and medicinal substances accounted for 87,000 of the 434,000 diagnoses in this category.

**Accidental poisoning by drugs, medicinal substances, and biologicals**

This category includes data on accidental overdose of a drug, a wrong drug given or taken in error, and a drug taken inadvertently. It also includes accidents in the use of drugs and biologicals in medical and surgical procedures. Table AA shows E-code estimates for this

Table Y. Number and percent of all-listed E-code estimates for patients discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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 E code  | Both sexes          |      |        | Female     |       |        |
|--|---------------------|------|--------|------------|-------|--------|
|  | Both sexes          | Male | Female | Both sexes | Male  | Female |
|  | Number in thousands |      |        | Percent    |       |        |
| All E codes . . . . . E878-E879  | 626                 | 276  | 350    | 100.0      | 100.0 | 100.0  |
| Surgical operation and other surgical procedures as the cause of abnormal reaction of patient, or of later complication, without mention of misadventure at time of operation . . . . . E878 | 542                 | 241  | 301    | 86.6       | 87.3  | 86.0   |
| Surgical operation with transplant of whole organ . . . E878.0   | 10                  | 7    | 4      | 1.6        | 2.5   | 1.1    |
| Surgical operation with implant of artificial internal device . . . . . E878.1   | 98                  | 42   | 56     | 15.7       | 15.2  | 16.0   |
| Surgical operation with anastomosis, bypass, or graft, with natural or artificial tissues used as implant . . . . . E878.2   | 52                  | 27   | 25     | 8.3        | 9.8   | 7.1    |
| Surgical operation with formation of artificial stoma . . . E878.3   | 20                  | 10   | 10     | 3.2        | 3.6   | 2.9    |
| Amputation of limbs . . . . . E878.5   | 10                  | 6    | 4      | 1.6        | 2.2   | 1.1    |
| Removal of other organ . . . . . E878.6  | 78                  | 37   | 41     | 12.5       | 13.4  | 11.7   |
| Other specified surgical operations and procedures . . . E878.8  | 178                 | 71   | 107    | 28.4       | 25.7  | 30.6   |
| Unspecified surgical operations and procedures . . . . E878.9  | 95                  | 41   | 54     | 15.7       | 14.9  | 15.4   |
| Other procedures, without mention of misadventure at the time of procedure, as the cause of abnormal reaction of patient, or of later complications . . . . . E879                           | 83                  | 35   | 49     | 13.3       | 12.7  | 14.0   |
| Radiological procedure and radiotherapy . . . . . E879.2   | 35                  | 14   | 21     | 5.6        | 5.1   | 6.0    |
| Urinary catheterization . . . . . E879.6   | 7                   | 3    | 3      | 1.1        | 1.1   | 0.9    |
| Other specified procedures . . . . . E879.8  | 33                  | 13   | 19     | 5.3        | 4.7   | 5.4    |

NOTE: Caution should be used in drawing conclusions from these data as there is considerable underreporting of E codes on the National Hospital Discharge Survey abstracts.

Table Z. Number and percent of all-listed E-code estimates for patients discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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 E code  | Both sexes          |      |        | Female     |       |        |
|--|---------------------|------|--------|------------|-------|--------|
|  | Both sexes          | Male | Female | Both sexes | Male  | Female |
|  | Number in thousands |      |        | Percent    |       |        |
| *All E codes <sup>1</sup> . . . . . E930-E949  | 434                 | 163  | 271    | 100.0      | 100.0 | 100.0  |
| Antibiotics . . . . . E930   | 66                  | 24   | 42     | 15.2       | 14.7  | 15.5   |
| Penicillins . . . . . E930.0   | 45                  | 16   | 29     | 10.4       | 9.8   | 10.7   |
| Other anti-infectives . . . . . E931   | 12                  | 4    | 8      | 2.8        | 2.5   | 3.0    |
| Hormones and synthetic substitutes . . . . . E932  | 44                  | 14   | 30     | 10.1       | 8.6   | 11.1   |
| Adrenal cortical steroids . . . . . E932.0   | 16                  | 7    | 9      | 3.7        | 4.3   | 3.3    |
| Ovarian hormones and synthetic substitutes . . . . . E932.2  | 10                  | -    | 9      | 2.3        | -     | 3.3    |
| Insulins and antidiabetic agents . . . . . E932.3  | 16                  | 6    | 9      | 3.7        | 3.7   | 3.3    |
| Primarily systemic agents . . . . . E933   | 18                  | 8    | 10     | 4.1        | 4.9   | 3.7    |
| Antineoplastic and immunosuppressive drugs . . . . . E933.1  | 16                  | 7    | 9      | 3.7        | 4.3   | 3.3    |
| Agents primarily affecting blood constituents . . . . . E934   | 17                  | 7    | 10     | 3.9        | 4.3   | 3.7    |
| Anticoagulants . . . . . E934.2  | 15                  | 6    | 9      | 3.5        | 3.7   | 3.3    |
| Analgesics, antipyretics, and antirheumatics . . . . . E935  | 43                  | 15   | 28     | 9.9        | 9.2   | 10.3   |
| Other opiates and related narcotics . . . . . E935.2   | 13                  | 3    | 10     | 3.0        | 1.8   | 3.7    |
| Salicylates . . . . . E935.3   | 20                  | 8    | 12     | 4.6        | 4.9   | 4.4    |
| Anticonvulsants and anti-Parkinsonism drugs . . . . . E936   | 7                   | 4    | 4      | 1.6        | 2.5   | 1.5    |
| Psychotropic agents . . . . . E939   | 28                  | 12   | 16     | 6.5        | 7.4   | 5.9    |
| Tranquilizers . . . . . E939.1-5   | 19                  | 8    | 11     | 4.4        | 4.9   | 4.1    |
| Agents primarily affecting the cardiovascular system . . . . . E942  | 49                  | 18   | 31     | 11.3       | 11.0  | 11.4   |
| Cardiac rhythm regulators . . . . . E942.0   | 11                  | 5    | 5      | 2.5        | 3.1   | 1.8    |
| Cardiotonic glycosides and drugs of similar action . . . . . E942.1  | 26                  | 7    | 19     | 6.0        | 4.3   | 7.0    |
| Other antihypertensive drugs . . . . . E942.6  | 9                   | 4    | 5      | 2.1        | 2.5   | 1.8    |
| Water, mineral, and uric acid metabolism drugs . . . . . E944  | 30                  | 10   | 20     | 6.9        | 6.1   | 7.4    |
| Other diuretics . . . . . E944.4   | 22                  | 6    | 16     | 5.1        | 3.7   | 5.9    |
| Agents primarily affecting skin and mucous membrane, ophthalmological, otorhinolaryngological, and dental drugs . . . . . E946 | 9                   | 3    | 6      | 2.1        | 1.8   | 2.2    |
| Other and unspecified drugs and medicinal substances . . . . . E947  | 87                  | 35   | 52     | 20.0       | 21.5  | 19.2   |
| Other drugs and medicinal substances . . . . . E947.8  | 25                  | 11   | 14     | 5.8        | 6.7   | 5.2    |
| Unspecified drug or medicinal substance . . . . . E947.9   | 60                  | 23   | 38     | 13.8       | 14.1  | 14.0   |

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

NOTE: Caution should be used in drawing conclusions from these data as there is considerable underreporting of E codes on the National Hospital Discharge Survey abstracts.

Table AA. Number and percent of all-listed E-code estimates for patients discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1979

[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 E code   | Both sexes          |      |        | Female     |       |        |
|---|---------------------|------|--------|------------|-------|--------|
|   | Both sexes          | Male | Female | Both sexes | Male  | Female |
|   | Number in thousands |      |        | Percent    |       |        |
| All E codes <sup>1</sup> . . . . . E850-E858  | 209                 | 78   | 131    | 100.0      | 100.0 | 100.0  |
| Accidental poisoning by analgesics, antipyretics, and antirheumatics . . . . . E850               | 28                  | 10   | 17     | 13.4       | 12.8  | 13.0   |
| Salicylates . . . . . E850.3  | 11                  | 4    | 7      | 5.3        | 5.1   | 5.3    |
| Accidental poisoning by barbiturates . . . . . E851   | 7                   | 3    | 4      | 3.3        | 3.8   | 3.1    |
| Accidental poisoning by other sedatives and hypnotics . . . . . E852                              | 7                   | 3    | 4      | 3.3        | 3.8   | 3.1    |
| Accidental poisoning by tranquilizers . . . . . E853  | 29                  | 9    | 20     | 13.9       | 11.5  | 15.3   |
| Benzodiazepine-based tranquilizers . . . . . E853.2   | 19                  | 5    | 14     | 9.1        | 6.4   | 10.7   |
| Accidental poisoning by other psychotropic agents . . . . . E854                                  | 11                  | 4    | 8      | 5.3        | 5.1   | 6.1    |
| Antidepressants . . . . . E854.0  | 9                   | 3    | 6      | 4.3        | 3.8   | 4.6    |
| Accidental poisoning by other drugs acting on central and autonomic nervous system . . . . . E855 | 12                  | 5    | 7      | 5.7        | 6.4   | 5.3    |
| Anticonvulsant and anti-Parkinsonism drugs . . . . . E855.0                                       | 7                   | 3    | 4      | 3.3        | 3.8   | 3.1    |
| Accidental poisoning by other drugs . . . . . E858  | 113                 | 44   | 69     | 54.1       | 56.4  | 52.7   |
| Agents primarily affecting cardiovascular system . . . . . E858.3                                 | 33                  | 13   | 21     | 16.2       | 16.7  | 16.0   |
| Other specified drugs . . . . . E858.8  | 9                   | 5    | 4      | 4.3        | 6.4   | 3.1    |
| Unspecified drug . . . . . E858.9   | 55                  | 19   | 36     | 26.3       | 24.4  | 27.5   |

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

NOTE: Caution should be used in drawing conclusions from these data as there is considerable underreporting of E codes on the National Hospital Discharge Survey abstracts.

category. Accidental poisoning by tranquilizers is the largest specified subcategory, with 29,000 diagnoses, 19,000 of which are for Benzodiazepine-based tranquilizers. Another specified category entailed 28,000 diagnoses for Accidental poisoning by anaesthetics, anti-

pyretics, and antirheumatics. Salicylates, including common aspirin, accounted for 11,000 of these diagnoses. Accidental poisonings by other specified and unspecified drugs accounted for 113,000 diagnoses.

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## List of detailed tables

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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, 1979

[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 | Number in thousands |             |             |                   |
|---------------------------------------|---|----------|---------------------|-------------|-------------|-------------------|
|                                       |   |          | Under 15 years      | 15-44 years | 45-64 years | 65 years and over |
| 01                                    | All conditions . . . . .  | 36,747   | 3,641               | 15,488      | 8,532       | 9,086             |
| 02                                    | Class 1. Infections and parasitic diseases . . . . . 001-139  | 596      | 182                 | 214         | 99          | 101               |
| 03                                    | Viral diseases . . . . . 045-079, 138, 139.0-139.1  | 267      | 83                  | 115         | 36          | 33                |
| 04                                    | Other infectious and parasitic diseases . . . . . 001-0041, 080-137, 139.8  | 330      | 99                  | 100         | 63          | 68                |
| 05                                    | Class 2. Neoplasms . . . . . 140-239  | 2,401    | 65                  | 484         | 863         | 989               |
| 06                                    | Malignant neoplasms . . . . . 140-208   | 1,745    | 38                  | 172         | 651         | 884               |
| 07                                    | Malignant neoplasm of lip, oral cavity, and pharynx . . . . . 140-149   | 46       | 3                   | 3           | 20          | 20                |
| 08                                    | Malignant neoplasm of large intestine and rectum . . . . . 153-154, 197.5   | 192      | *1                  | 7           | 67          | 117               |
| 09                                    | Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152, 155-159, 197.4, 197.6-197.8                                  | 134      | *0                  | 7           | 43          | 84                |
| 10                                    | Malignant neoplasm of trachea, bronchus, and lung . . . . . 162, 197.0, 197.3   | 274      | *1                  | 12          | 130         | 131               |
| 11                                    | Malignant neoplasm of bone, connective tissue, and skin . . . . . 170-173, 198.2, 198.5   | 116      | 10                  | 22          | 37          | 47                |
| 12                                    | Malignant neoplasm of breast . . . . . 174-175, 198.81  | 210      | *0                  | 25          | 97          | 87                |
| 13                                    | Malignant neoplasm of female genital organs . . . . . 179-184, 198.6  | 157      | *1                  | 27          | 72          | 57                |
| 14                                    | Malignant neoplasm of prostate . . . . . 185  | 118      | *0                  | *1          | 22          | 96                |
| 15                                    | Malignant neoplasm of urinary organs . . . . . 188, 189, 198.0-198.1  | 131      | 2                   | 5           | 40          | 83                |
| 16                                    | Leukemia . . . . . 204-208  | 53       | 9                   | 9           | 10          | 24                |
| 17                                    | Other malignant neoplasm of hematopoietic tissue . . . . . 196, 200-203   | 109      | *1                  | 17          | 39          | 52                |
| 18                                    | Malignant neoplasm of other and unspecified sites . . . . . 160-161, 163-165, 186-187, 190-195, 197.1-197.2, 198.3-198.4, 198.7, 198.82-199 | 205      | 8                   | 37          | 74          | 86                |
| 19                                    | Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 210-239  | 656      | 28                  | 312         | 212         | 105               |
| 20                                    | Benign neoplasm of the digestive system . . . . . 210-211   | 62       | *1                  | 12          | 23          | 27                |
| 21                                    | Benign neoplasm of bone and connective tissue . . . . . 213-215   | 90       | 5                   | 39          | 34          | 12                |
| 22                                    | Benign neoplasm of the breast . . . . . 217   | 53       | *1                  | 39          | 10          | 2                 |
| 23                                    | Benign neoplasm of the uterus . . . . . 218-219   | 171      | *0                  | 104         | 64          | 3                 |
| 24                                    | Benign neoplasm of other female genital organs . . . . . 220-221  | 30       | *1                  | 18          | 7           | 3                 |
| 25                                    | Other benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 212, 216, 222-239                                  | 250      | 19                  | 99          | 74          | 58                |
| 26                                    | Class 3. Endocrine, nutritional and metabolic diseases, and immunity disorders . . . . . 240-279  | 1,057    | 63                  | 273         | 340         | 382               |
| 27                                    | Diseases of the thyroid gland . . . . . 240-246   | 88       | 2                   | 31          | 32          | 23                |
| 28                                    | Diabetes mellitus without complication . . . . . 250.0  | 364      | 12                  | 69          | 136         | 147               |
| 29                                    | Diabetes mellitus with complication . . . . . 250.1-250.9   | 237      | 8                   | 66          | 81          | 81                |
| 30                                    | Other diseases of the endocrine glands . . . . . 251-259  | 81       | 7                   | 28          | 24          | 22                |
| 31                                    | Obesity . . . . . 278.0   | 58       | *1                  | 39          | 15          | 3                 |
| 32                                    | Other nutritional deficiencies and metabolic and immunity disorders . . . . . 260-277, 278.1-279  | 230      | 31                  | 39          | 53          | 106               |
| 33                                    | Class 4. Diseases of the blood and blood-forming organs . . . . . 280-289   | 348      | 75                  | 95          | 54          | 124               |
| 34                                    | Anemias . . . . . 280-285   | 225      | 31                  | 52          | 38          | 104               |
| 35                                    | Other diseases of the blood and blood-forming organs . . . . . 286-289  | 123      | 44                  | 43          | 16          | 20                |
| 36                                    | Class 5. Mental disorders . . . . . 290-319   | 1,723    | 50                  | 983         | 465         | 226               |
| 37                                    | Organic psychotic conditions . . . . . 290-294  | 96       | *0                  | 33          | 24          | 39                |
| 38                                    | Schizophrenic disorders . . . . . 295   | 219      | 2                   | 170         | 38          | 9                 |
| 39                                    | Other psychoses . . . . . 296-299   | 197      | *1                  | 100         | 58          | 39                |
| 40                                    | Anxiety states . . . . . 300.0  | 81       | *1                  | 47          | 24          | 9                 |
| 41                                    | Other neuroses and personality disorders . . . . . 300.1-301  | 290      | 8                   | 193         | 64          | 24                |
| 42                                    | Alcohol dependence syndrome . . . . . 303   | 439      | 2                   | 225         | 181         | 31                |
| 43                                    | Drug dependence . . . . . 304   | 25       | *2                  | 18          | 4           | *1                |
| 44                                    | Nondependent abuse of drugs (including alcohol) . . . . . 305   | 64       | 4                   | 42          | 13          | 4                 |
| 45                                    | Other mental disorders and mental retardation . . . . . 302, 306-319  | 313      | 29                  | 155         | 59          | 70                |

See footnote at end of table.



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, 1979—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*]

| All ages | Under 15 years | 15-44 years | 45-64 years | 65 years and over | All ages | Under 15 years | 15-44 years | 45-64 years | 65 years and over |    |
|----------|----------------|-------------|-------------|-------------------|----------|----------------|-------------|-------------|-------------------|----|
|          |                |             |             |                   |          |                |             |             |                   |    |
| 1,702.1  | 726.9          | 1,565.3     | 1,962.3     | 3,888.0           | 7.2      | 4.3            | 5.2         | 8.2         | 10.8              | 01 |
| 27.6     | 36.4           | 21.6        | 22.8        | 43.1              | 7.2      | 4.5            | 5.8         | 9.8         | 12.1              | 02 |
| 12.3     | 16.6           | 11.6        | 8.2         | 14.2              | 5.6      | 3.8            | 4.7         | 8.2         | 10.3              | 03 |
| 15.3     | 19.8           | 10.1        | 14.5        | 28.9              | 8.4      | 5.1            | 7.2         | 10.8        | 13.1              | 04 |
| 111.2    | 13.1           | 49.0        | 198.4       | 423.3             | 10.6     | 7.3            | 7.1         | 10.3        | 12.8              | 05 |
| 80.8     | 7.5            | 17.4        | 149.7       | 378.3             | 12.3     | 9.0            | 10.6        | 11.6        | 13.3              | 06 |
| 2.1      | 0.7            | 0.3         | 4.6         | 8.7               | 10.8     | 4.4            | 13.1        | 11.8        | 10.7              | 07 |
| 8.9      | *0.1           | 0.7         | 15.4        | 50.1              | 16.1     | *19.6          | 13.7        | 13.6        | 17.7              | 08 |
| 6.2      | *0.1           | 0.7         | 9.9         | 35.8              | 16.2     | *14.1          | 21.0        | 16.7        | 15.6              | 09 |
| 12.7     | *0.2           | 1.2         | 29.9        | 56.0              | 12.7     | *7.4           | 18.5        | 11.1        | 13.8              | 10 |
| 5.4      | 1.9            | 2.3         | 8.4         | 20.3              | 8.6      | 8.1            | 7.5         | 7.8         | 9.8               | 11 |
| 9.7      | *0.1           | 2.5         | 22.4        | 37.3              | 11.1     | *2.4           | 9.2         | 10.9        | 11.9              | 12 |
| 7.3      | *0.2           | 2.8         | 16.5        | 24.5              | 10.3     | *4.9           | 8.1         | 9.4         | 12.5              | 13 |
| 5.5      | *0.0           | *0.1        | 5.1         | 40.9              | 10.9     | *6.5           | *12.1       | 11.4        | 10.8              | 14 |
| 6.0      | 0.4            | 0.5         | 9.1         | 35.7              | 10.4     | 8.8            | 8.8         | 9.4         | 11.1              | 15 |
| 2.5      | 1.9            | 0.9         | 2.3         | 10.5              | 12.7     | 10.4           | 18.4        | 13.6        | 11.0              | 16 |
| 5.1      | *0.3           | 1.7         | 9.0         | 22.0              | 11.0     | *9.0           | 8.7         | 10.2        | 12.3              | 17 |
| 9.5      | 1.7            | 3.7         | 17.1        | 36.6              | 13.7     | 10.4           | 9.2         | 14.1        | 15.6              | 18 |
| 30.4     | 5.5            | 31.5        | 48.7        | 45.0              | 6.2      | 4.9            | 5.2         | 6.6         | 8.4               | 19 |
| 2.9      | *0.2           | 1.2         | 5.2         | 11.4              | 5.2      | *3.2           | 4.9         | 4.5         | 5.9               | 20 |
| 4.2      | 1.1            | 3.9         | 7.8         | 5.2               | 4.1      | 4.0            | 3.6         | 3.9         | 6.1               | 21 |
| 2.5      | *0.2           | 4.0         | 2.4         | 0.9               | 2.4      | *2.4           | 2.2         | 3.1         | *3.5              | 22 |
| 7.9      | *0.1           | 10.5        | 14.6        | 1.4               | 7.3      | *13.9          | 6.8         | 7.5         | 16.8              | 23 |
| 1.4      | *0.1           | 1.9         | 1.7         | 1.4               | 7.6      | *7.2           | 6.6         | 9.1         | 9.7               | 24 |
| 11.6     | 3.9            | 10.0        | 16.9        | 24.6              | 7.0      | 5.2            | 5.2         | 7.9         | 9.8               | 25 |
| 49.0     | 12.5           | 27.6        | 78.2        | 163.5             | 9.5      | 7.0            | 7.6         | 9.1         | 11.6              | 26 |
| 4.1      | 0.5            | 3.1         | 7.3         | 9.8               | 8.4      | 5.1            | 9.1         | 7.0         | 9.9               | 27 |
| 16.8     | 2.4            | 7.0         | 31.2        | 62.8              | 9.4      | 6.7            | 7.6         | 8.5         | 11.3              | 28 |
| 11.0     | 1.7            | 6.7         | 18.6        | 34.8              | 11.3     | 7.7            | 7.3         | 11.9        | 14.3              | 29 |
| 3.8      | 1.5            | 2.9         | 5.4         | 9.3               | 7.1      | 3.2            | 5.6         | 8.7         | 8.7               | 30 |
| 2.7      | *0.2           | 3.9         | 3.5         | 1.5               | 9.2      | *3.1           | 8.7         | 6.7         | 28.2              | 31 |
| 10.6     | 6.3            | 4.0         | 12.2        | 45.4              | 9.1      | 8.0            | 7.2         | 8.7         | 10.3              | 32 |
| 16.1     | 14.9           | 9.7         | 12.3        | 53.1              | 7.3      | 4.2            | 5.8         | 8.1         | 9.8               | 33 |
| 10.4     | 6.2            | 5.3         | 8.7         | 44.4              | 8.0      | 4.6            | 6.5         | 8.1         | 9.7               | 34 |
| 5.7      | 8.7            | 4.4         | 3.6         | 8.7               | 5.9      | 3.9            | 5.0         | 8.1         | 10.4              | 35 |
| 79.8     | 9.9            | 99.3        | 106.9       | 96.8              | 11.0     | 11.3           | 10.8        | 10.4        | 13.4              | 36 |
| 4.4      | *0.0           | 3.3         | 5.5         | 16.6              | 9.7      | *18.0          | 7.2         | 8.3         | 12.8              | 37 |
| 10.1     | 0.4            | 17.1        | 8.7         | 3.9               | 15.8     | 49.3           | 15.7        | 15.1        | 13.1              | 38 |
| 9.1      | *0.2           | 10.1        | 13.3        | 16.5              | 15.5     | *26.8          | 13.4        | 17.0        | 18.1              | 39 |
| 3.7      | *0.3           | 4.7         | 5.5         | 3.8               | 5.4      | *2.6           | 5.0         | 5.6         | 7.2               | 40 |
| 13.4     | 1.7            | 19.5        | 14.7        | 10.2              | 11.3     | 13.9           | 10.8        | 11.1        | 15.2              | 41 |
| 20.3     | 0.4            | 22.7        | 41.6        | 13.4              | 9.3      | *3.9           | 9.7         | 8.8         | 9.6               | 42 |
| 1.2      | *0.3           | 1.9         | 0.9         | 0.5               | 15.4     | 21.4           | 15.4        | 14.3        | 11.4              | 43 |
| 3.0      | 0.8            | 4.3         | 3.1         | 1.8               | 4.9      | 7.4            | 4.8         | 4.1         | 6.1               | 44 |
| 14.5     | 5.8            | 15.7        | 13.5        | 30.1              | 9.7      | 8.2            | 8.7         | 8.5         | 13.7              | 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, 1979—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                                    | Class 6. Diseases of the nervous system and sense organs . . . . . 320-389                     | 1,626    | 337            | 366         | 380         | 543               |
| 47                                    | Epilepsy . . . . . 345   | 64       | 9              | 31          | 14          | 10                |
| 48                                    | Other disorders of the central nervous system . . . . . 320-336, 340-344, 346-349              | 309      | 47             | 103         | 75          | 85                |
| 49                                    | Disorders of the peripheral nervous system . . . . . 337, 350-359                              | 217      | 5              | 78          | 88          | 46                |
| 50                                    | Cataract . . . . . 366   | 383      | 3              | 15          | 79          | 285               |
| 51                                    | Other disorders of the eye . . . . . 360-365, 367-379  | 273      | 72             | 61          | 62          | 78                |
| 52                                    | Otitis media and eustachian tube disorders . . . . . 381-382                                   | 228      | 180            | 27          | 16          | 5                 |
| 53                                    | Other diseases of the ear and mastoid process . . . . . 380, 383-389                           | 152      | 20             | 52          | 46          | 34                |
| 54                                    | Class 7. Diseases of the circulatory system . . . . . 390-459                                  | 4,907    | 43             | 532         | 1,673       | 2,659             |
| 55                                    | Essential hypertension . . . . . 401   | 298      | 2              | 61          | 124         | 111               |
| 56                                    | Heart disease . . . . . 391-392.0, 393-398, 402, 404, 410-429                                  | 3,065    | 27             | 240         | 1,114       | 1,684             |
| 57                                    | Hypertensive heart disease . . . . . 402, 404  | 132      | *1             | 9           | 41          | 81                |
| 58                                    | Acute myocardial infarction . . . . . 410  | 433      | *1             | 26          | 187         | 219               |
| 59                                    | Other acute and subacute forms of ischemic heart disease . . . . . 411                         | 147      | *0             | 8           | 65          | 74                |
| 60                                    | Angina pectoris . . . . . 413  | 192      | *0             | 21          | 93          | 77                |
| 61                                    | Coronary atherosclerosis . . . . . 414.0   | 592      | 3              | 22          | 184         | 383               |
| 62                                    | Other chronic ischemic heart disease . . . . . 412, 414.1-414.9                                | 374      | *2             | 32          | 206         | 134               |
| 63                                    | Pulmonary heart disease . . . . . 415-416  | 81       | *1             | 13          | 27          | 41                |
| 64                                    | Cardiac dysrhythmias . . . . . 427   | 331      | 6              | 36          | 108         | 181               |
| 65                                    | Congestive heart failure . . . . . 428.0   | 377      | 5              | 6           | 68          | 298               |
| 66                                    | Cardiovascular disease, unspecified . . . . . 429.2  | 108      | *0             | 4           | 31          | 73                |
| 67                                    | Other heart disease . . . . . 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9           | 297      | 8              | 62          | 104         | 123               |
| 68                                    | Intracranial hemorrhage . . . . . 430-432  | 48       | 2              | 8           | 14          | 25                |
| 69                                    | Occlusion of cerebral arteries . . . . . 434   | 98       | *0             | 2           | 20          | 75                |
| 70                                    | Transient cerebral ischemia . . . . . 435  | 170      | *0             | 5           | 37          | 127               |
| 71                                    | Acute, but ill-defined, cerebrovascular disease . . . . . 436                                  | 223      | *1             | 4           | 42          | 176               |
| 72                                    | Other cerebrovascular disease . . . . . 433, 437-438   | 207      | *0             | 6           | 49          | 152               |
| 73                                    | Atherosclerosis . . . . . 440  | 106      | *0             | 3           | 28          | 76                |
| 74                                    | Aneurysm . . . . . 441-442   | 51       | -              | 2           | 16          | 32                |
| 75                                    | Other diseases of arteries, arterioles, and capillaries . . . . . 443-448                      | 119      | *0             | 15          | 45          | 59                |
| 76                                    | Phlebitis and thrombophlebitis . . . . . 451   | 141      | *0             | 42          | 51          | 48                |
| 77                                    | Varicose veins of lower extremities . . . . . 454  | 88       | -              | 29          | 36          | 23                |
| 78                                    | Hemorrhoids . . . . . 455  | 159      | *1             | 78          | 58          | 22                |
| 79                                    | Other diseases of the circulatory system . . . . . 390, 392.9, 403, 405, 417, 452-453, 456-459 | 132      | 7              | 36          | 39          | 50                |
| 80                                    | Class 8. Diseases of the respiratory system . . . . . 460-519                                  | 3,309    | 1,086          | 798         | 621         | 804               |
| 81                                    | Acute bronchitis and bronchiolitis . . . . . 466   | 236      | 107            | 34          | 44          | 50                |
| 82                                    | Other acute upper respiratory infections, except influenza . . . . . 460-465                   | 298      | 190            | 73          | 17          | 19                |
| 83                                    | Deviated nasal septum . . . . . 470  | 102      | 2              | 77          | 20          | 4                 |
| 84                                    | Chronic disease of tonsils and adenoids . . . . . 474  | 497      | 320            | 171         | 5           | *0                |
| 85                                    | Pneumonia, all forms . . . . . 480-486   | 756      | 255            | 120         | 125         | 256               |
| 86                                    | Influenza . . . . . 487  | 67       | 16             | 24          | 13          | 14                |
| 87                                    | Bronchitis, chronic and unspecified . . . . . 490-491  | 227      | 51             | 35          | 64          | 77                |
| 88                                    | Emphysema . . . . . 492  | 57       | *0             | *1          | 25          | 30                |
| 89                                    | Asthma . . . . . 493   | 339      | 99             | 94          | 83          | 63                |
| 90                                    | Pleurisy . . . . . 511   | 54       | *1             | 14          | 20          | 18                |
| 91                                    | Other diseases of the respiratory system . . . . . 471-473, 475-478, 494-496, 500-510, 512-519 | 675      | 43             | 153         | 206         | 272               |
| 92                                    | Class 9. Diseases of the digestive system . . . . . 520-579                                    | 4,604    | 484            | 1,594       | 1,324       | 1,202             |
| 93                                    | Disturbance of tooth eruption . . . . . 520.6  | 112      | 8              | 99          | 5           | -                 |
| 94                                    | Other diseases of the teeth, jaw and mouth . . . . . 520.0-520.5, 520.7-529                    | 169      | 22             | 80          | 49          | 19                |
| 95                                    | Diseases of the esophagus . . . . . 530  | 122      | 8              | 36          | 41          | 37                |
| 96                                    | Gastric ulcer . . . . . 531  | 104      | *1             | 18          | 42          | 44                |
| 97                                    | Duodenal ulcer . . . . . 532   | 162      | 3              | 52          | 60          | 47                |
| 98                                    | Other and unspecified peptic ulcer . . . . . 533-534   | 89       | *1             | 31          | 32          | 25                |
| 99                                    | Gastritis and duodenitis . . . . . 535   | 298      | 17             | 127         | 95          | 59                |

See footnote at end of table.

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, 1979—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*]

| All ages | Under 15 years             | 15-44 years | 45-64 years | 65 years and over | All ages | Under 15 years                 | 15-44 years | 45-64 years | 65 years and over |    |
|----------|----------------------------|-------------|-------------|-------------------|----------|--------------------------------|-------------|-------------|-------------------|----|
|          | Rate per 10,000 population |             |             |                   |          | Average length of stay in days |             |             |                   |    |
| 75.3     | 67.3                       | 37.0        | 87.4        | 232.3             | 5.5      | 3.2                            | 5.5         | 5.9         | 6.5               | 46 |
| 3.0      | 1.8                        | 3.2         | 3.3         | 4.3               | 5.7      | 4.0                            | 5.0         | 6.9         | 7.8               | 47 |
| 14.3     | 9.3                        | 10.4        | 17.1        | 36.3              | 11.6     | 7.9                            | 9.4         | 11.7        | 16.1              | 48 |
| 10.1     | 1.1                        | 7.8         | 20.2        | 19.9              | 6.1      | 9.6                            | 4.7         | 5.5         | 8.9               | 49 |
| 17.7     | 0.6                        | 1.6         | 18.3        | 121.8             | 3.8      | 3.8                            | 3.6         | 3.6         | 3.9               | 50 |
| 12.6     | 14.5                       | 6.1         | 14.3        | 33.3              | 3.7      | 2.2                            | 3.6         | 4.4         | 4.5               | 51 |
| 10.6     | 36.0                       | 2.7         | 3.6         | 2.3               | 2.4      | 2.2                            | 2.8         | 3.4         | 3.8               | 52 |
| 7.0      | 4.0                        | 5.2         | 10.6        | 14.5              | 4.0      | 2.5                            | 3.3         | 4.1         | 5.7               | 53 |
| 227.3    | 8.6                        | 53.7        | 384.9       | 1,137.7           | 9.9      | 9.3                            | 7.0         | 8.9         | 11.1              | 54 |
| 13.8     | 0.5                        | 6.2         | 28.5        | 47.4              | 6.7      | 5.0                            | 5.7         | 6.9         | 7.0               | 55 |
| 142.0    | 5.4                        | 24.2        | 256.1       | 720.7             | 9.6      | 8.6                            | 7.3         | 8.6         | 10.5              | 56 |
| 6.1      | *0.2                       | 0.9         | 9.5         | 34.7              | 9.5      | *12.6                          | 6.7         | 8.5         | 10.3              | 57 |
| 20.1     | *0.2                       | 2.6         | 43.1        | 93.7              | 12.6     | *12.1                          | 11.7        | 12.6        | 12.7              | 58 |
| 6.8      | *0.1                       | 0.8         | 15.0        | 31.5              | 7.6      | *6.6                           | 6.2         | 7.1         | 8.3               | 59 |
| 8.9      | *0.1                       | 2.1         | 21.5        | 33.1              | 6.1      | *7.8                           | 5.0         | 5.6         | 6.8               | 60 |
| 27.4     | 0.5                        | 2.3         | 42.2        | 164.1             | 9.7      | 10.9                           | 7.3         | 7.9         | 10.7              | 61 |
| 17.3     | *0.3                       | 3.3         | 47.4        | 57.4              | 8.5      | 8.7                            | 5.8         | 7.9         | 10.1              | 62 |
| 3.8      | *0.2                       | 1.3         | 6.3         | 17.4              | 13.7     | *11.7                          | 10.9        | 13.9        | 14.6              | 63 |
| 15.3     | 1.1                        | 3.7         | 24.7        | 77.4              | 7.6      | 5.3                            | 5.1         | 6.2         | 9.0               | 64 |
| 17.5     | 1.0                        | 0.6         | 15.5        | 127.7             | 10.7     | 13.6                           | 8.3         | 9.5         | 11.0              | 65 |
| 5.0      | *0.1                       | 0.4         | 7.0         | 31.4              | 9.5      | *6.9                           | 5.3         | 8.0         | 10.3              | 66 |
| 13.7     | 1.6                        | 6.3         | 23.8        | 52.4              | 9.2      | 6.2                            | 7.8         | 9.0         | 10.3              | 67 |
| 2.2      | 0.4                        | 0.8         | 3.2         | 10.7              | 14.6     | 34.0                           | 11.3        | 12.2        | 15.5              | 68 |
| 4.6      | *0.1                       | 0.2         | 4.7         | 32.2              | 17.6     | *10.7                          | 17.8        | 17.2        | 17.8              | 69 |
| 7.9      | *0.1                       | 0.5         | 8.6         | 54.2              | 7.4      | *8.4                           | 5.8         | 5.8         | 7.9               | 70 |
| 10.3     | *0.2                       | 0.4         | 9.7         | 75.1              | 14.6     | *13.6                          | 16.8        | 12.6        | 15.0              | 71 |
| 9.6      | *0.1                       | 0.6         | 11.2        | 64.9              | 11.0     | *12.1                          | 7.5         | 10.6        | 11.3              | 72 |
| 4.9      | *0.1                       | 0.3         | 6.4         | 32.3              | 13.2     | *6.8                           | 7.6         | 10.2        | 14.5              | 73 |
| 2.4      | -                          | 0.3         | 3.8         | 13.7              | 11.4     | -                              | 11.8        | 12.5        | 10.8              | 74 |
| 5.5      | *0.1                       | 1.5         | 10.3        | 25.4              | 13.1     | *8.6                           | 9.5         | 12.7        | 14.3              | 75 |
| 6.5      | *0.0                       | 4.3         | 11.8        | 20.3              | 10.5     | *10.0                          | 8.7         | 10.6        | 12.1              | 76 |
| 4.1      | -                          | 2.9         | 8.3         | 9.7               | 8.2      | -                              | 5.3         | 7.2         | 13.4              | 77 |
| 7.4      | *0.2                       | 7.9         | 13.3        | 9.5               | 6.0      | *4.9                           | 5.7         | 6.0         | 7.5               | 78 |
| 6.1      | 1.5                        | 3.6         | 9.0         | 21.5              | 8.9      | 6.8                            | 6.3         | 10.0        | 10.2              | 79 |
| 153.3    | 216.8                      | 80.7        | 142.8       | 344.2             | 6.2      | 3.6                            | 4.3         | 7.8         | 10.3              | 80 |
| 10.9     | 21.4                       | 3.5         | 10.0        | 21.6              | 5.8      | 4.5                            | 5.0         | 6.5         | 8.6               | 81 |
| 13.8     | 37.8                       | 7.4         | 4.0         | 8.0               | 3.9      | 3.3                            | 4.1         | 5.0         | 7.6               | 82 |
| 4.7      | 0.4                        | 7.7         | 4.5         | 1.7               | 3.0      | *3.0                           | 2.7         | 4.0         | 2.9               | 83 |
| 23.0     | 64.0                       | 17.3        | 1.2         | *0.1              | 2.0      | 1.8                            | 2.3         | 2.2         | *1.5              | 84 |
| 35.0     | 50.9                       | 12.2        | 28.7        | 109.6             | 8.0      | 5.2                            | 6.6         | 9.0         | 10.8              | 85 |
| 3.1      | 3.2                        | 2.4         | 3.0         | 6.0               | 4.9      | 3.5                            | 4.1         | 5.6         | 7.3               | 86 |
| 10.5     | 10.1                       | 3.5         | 14.7        | 33.1              | 7.1      | 4.1                            | 4.9         | 8.0         | 9.3               | 87 |
| 2.6      | *0.1                       | *0.1        | 5.8         | 12.9              | 9.8      | *10.4                          | *8.9        | 9.8         | 9.7               | 88 |
| 15.7     | 19.8                       | 9.5         | 19.0        | 26.9              | 6.1      | 3.8                            | 4.9         | 7.6         | 9.4               | 89 |
| 2.5      | *0.3                       | 1.5         | 4.5         | 7.9               | 8.7      | 11.0                           | 6.2         | 8.1         | 11.1              | 90 |
| 31.3     | 8.6                        | 15.5        | 47.4        | 116.5             | 8.2      | 4.4                            | 4.8         | 7.8         | 11.0              | 91 |
| 213.3    | 96.7                       | 161.1       | 304.5       | 514.4             | 6.9      | 4.1                            | 5.5         | 7.5         | 9.4               | 92 |
| 5.2      | 1.7                        | 10.0        | 1.1         | -                 | 1.9      | 1.9                            | 1.9         | 2.1         | -                 | 93 |
| 7.9      | 4.3                        | 8.1         | 11.2        | 8.2               | 3.1      | 2.5                            | 2.9         | 3.4         | 4.2               | 94 |
| 5.6      | 1.6                        | 3.7         | 9.3         | 15.7              | 6.9      | 6.7                            | 5.9         | 6.5         | 8.3               | 95 |
| 4.8      | *0.1                       | 1.8         | 9.6         | 18.8              | 8.9      | *6.7                           | 6.8         | 8.7         | 10.0              | 96 |
| 7.5      | 0.7                        | 5.2         | 13.8        | 20.2              | 7.7      | 4.8                            | 5.8         | 7.6         | 10.2              | 97 |
| 4.1      | *0.2                       | 3.2         | 7.4         | 10.6              | 7.0      | *4.2                           | 5.2         | 8.0         | 8.2               | 98 |
| 13.8     | 3.4                        | 12.9        | 22.0        | 25.1              | 5.3      | 3.3                            | 4.5         | 5.6         | 7.3               | 99 |

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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 |
|---------------------------------------|---|----------|----------------|-------------|-------------|-------------------|
|                                       |   |          |                |             |             |                   |
| 100                                   | Other diseases of the stomach . . . . . 536-537   | 92       | 7              | 41          | 28          | 16                |
| 101                                   | Acute appendicitis without mention of peritonitis . . . . . 540.9   | 178      | 44             | 116         | 13          | 5                 |
| 102                                   | Other appendicitis and other diseases of the appendix . . . . . 540.0-540.1, 541-543  | 100      | 26             | 52          | 15          | 7                 |
| 103                                   | Inguinal hernia . . . . . 550   | 475      | 84             | 134         | 141         | 116               |
| 104                                   | Other hernia of abdominal cavity . . . . . 551-553  | 307      | 17             | 71          | 113         | 106               |
| 105                                   | Regional enteritis and idiopathic proctocolitis . . . . . 555-556   | 57       | 3              | 33          | 15          | 7                 |
| 106                                   | Other noninfectious gastroenteritis and colitis . . . . . 558   | 558      | 193            | 172         | 91          | 102               |
| 107                                   | Intestinal obstruction without mention of hernia . . . . . 560  | 152      | 8              | 31          | 38          | 76                |
| 108                                   | Diverticula of intestine . . . . . 562  | 205      | *0             | 14          | 69          | 121               |
| 109                                   | Other functional digestive disorders of intestines . . . . . 564  | 138      | 13             | 58          | 34          | 33                |
| 110                                   | Anal fissure, fistula, and abscess . . . . . 565-566  | 92       | 2              | 50          | 30          | 10                |
| 111                                   | Other disorders of intestine and peritoneum . . . . . 557, 567-569  | 163      | 10             | 48          | 50          | 55                |
| 112                                   | Chronic liver disease and cirrhosis . . . . . 571   | 102      | *1             | 27          | 54          | 21                |
| 113                                   | Other diseases of the liver . . . . . 570, 572-573  | 51       | 3              | 16          | 19          | 13                |
| 114                                   | Cholelithiasis . . . . . 574  | 447      | 2              | 159         | 159         | 127               |
| 115                                   | Cholecystitis . . . . . 575.0-575.1   | 115      | *1             | 40          | 38          | 36                |
| 116                                   | Other disorders of gallbladder and biliary tract . . . . . 575.2-576  | 46       | *0             | 11          | 13          | 22                |
| 117                                   | Diseases of the pancreas . . . . . 577  | 117      | 2              | 53          | 37          | 24                |
| 118                                   | Gastrointestinal hemorrhage and intestinal malabsorption . . . 578-579  | 150      | 7              | 26          | 42          | 75                |
| 119                                   | Class 10. Diseases of the genitourinary system . . . . . 580-629  | 3,514    | 188            | 1,809       | 894         | 624               |
| 120                                   | Nephritis, nephrotic syndrome, and nephrosis . . . . . 580-589  | 133      | 15             | 34          | 33          | 50                |
| 121                                   | Infections of kidney . . . . . 590  | 112      | 6              | 56          | 25          | 26                |
| 122                                   | Calculus of kidney and ureter . . . . . 592   | 290      | 4              | 140         | 107         | 40                |
| 123                                   | Cystitis . . . . . 595  | 120      | 10             | 46          | 31          | 33                |
| 124                                   | Urethral stricture . . . . . 598  | 84       | 26             | 22          | 17          | 19                |
| 125                                   | Other disorders of urinary system . . . . . 591, 593-594, 596-597, 599  | 453      | 56             | 129         | 103         | 165               |
| 126                                   | Hyperplasia of prostate . . . . . 600   | 235      | *0             | 2           | 74          | 159               |
| 127                                   | Other disorders of the male genital organs . . . . . 601-608  | 228      | 52             | 91          | 57          | 28                |
| 128                                   | Benign mammary dysplasia . . . . . 610  | 137      | *0             | 70          | 57          | 10                |
| 129                                   | Inflammatory disease of breast . . . . . 611  | 84       | 3              | 48          | 24          | 9                 |
| 130                                   | Cervicitis and endocervicitis . . . . . 616.0   | 51       | -              | 38          | 10          | 2                 |
| 131                                   | Other inflammatory disease of female pelvic organs . . . . . 614-615, 616.1-616.9   | 259      | 4              | 233         | 18          | 4                 |
| 132                                   | Endometriosis . . . . . 617   | 106      | *0             | 91          | 14          | *1                |
| 133                                   | Genital prolapse (female) . . . . . 618   | 183      | *0             | 76          | 68          | 39                |
| 134                                   | Disorders of menstruation and other abnormal vaginal bleeding . . . 626   | 450      | 4              | 350         | 94          | *1                |
| 135                                   | Menopausal and postmenopausal disorders . . . . . 627   | 80       | -              | 3           | 61          | 16                |
| 136                                   | Other disruptions of the female genital tract . . . . . 619-625, 628-629  | 508      | 7              | 378         | 101         | 22                |
| 137                                   | Class 11. Complications of pregnancy, childbirth, and the puerperium <sup>1</sup> . . . . . 630-676                           | 987      | 10             | 975         | 4           | -                 |
| 138                                   | Ectopic pregnancy . . . . . 633   | 46       | -              | 46          | *0          | -                 |
| 139                                   | Induced abortion . . . . . 635-636  | 189      | 4              | 185         | *1          | -                 |
| 140                                   | Other pregnancy with abortive outcome . . . . . 630-632, 634, 637-639   | 300      | 3              | 297         | *1          | -                 |
| 141                                   | Antepartum hemorrhage, abruptio placentae, and placenta previa . . . 641  | 29       | -              | 29          | -           | -                 |
| 142                                   | Hypertension complicating pregnancy, childbirth, and the puerperium . . . . . 642   | 30       | *1             | 29          | *0          | -                 |
| 143                                   | False labor . . . . . 644.1   | 131      | *1             | 129         | *1          | -                 |
| 144                                   | Fetopelvic disproportion . . . . . 653.4  | *0       | -              | *0          | -           | -                 |
| 145                                   | Uterine scar from previous surgery . . . . . 654.2  | 3        | -              | 3           | -           | -                 |
| 146                                   | Rupture of membranes . . . . . 658.1-658.3  | 12       | -              | 12          | -           | -                 |
| 147                                   | Umbilical cord complications . . . . . 663  | *0       | -              | *0          | -           | -                 |
| 148                                   | Trauma to perineum and vulva during delivery . . . . . 664  | 2        | -              | 2           | -           | -                 |
| 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 | 245      | *1             | 243         | *1          | -                 |
| 150                                   | Delivery without mention of complication . . . . . 650  | ...      | ...            | ...         | ...         | ...               |
| 151                                   | Complications of delivery . . . . . 640-648, 651-676, with 5th digit 1 or 2   | ...      | ...            | ...         | ...         | ...               |
| 152                                   | Class 12. Diseases of the skin and subcutaneous tissue . . . 680-709  | 600      | 81             | 251         | 144         | 123               |
| 153                                   | Cellulitis and abscess, except of digit . . . . . 682   | 176      | 25             | 58          | 43          | 49                |
| 154                                   | Pilonidal cyst . . . . . 685  | 64       | *2             | 59          | 2           | *0                |

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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, 1979—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*]

| All ages | Rate per 10,000 population |             |             |                   | All ages | Average length of stay in days |             |             |                   |     |
|----------|----------------------------|-------------|-------------|-------------------|----------|--------------------------------|-------------|-------------|-------------------|-----|
|          | Under 15 years             | 15-44 years | 45-64 years | 65 years and over |          | Under 15 years                 | 15-44 years | 45-64 years | 65 years and over |     |
| 4.3      | 1.5                        | 4.1         | 6.4         | 6.9               | 6.4      | 4.8                            | 5.1         | 6.9         | 9.4               | 100 |
| 8.2      | 8.9                        | 11.7        | 3.0         | 2.0               | 4.6      | 4.3                            | 4.4         | 6.4         | 6.8               | 101 |
| 4.6      | 5.2                        | 5.2         | 3.5         | 3.0               | 8.0      | 6.6                            | 7.1         | 10.4        | 15.4              | 102 |
| 22.0     | 16.8                       | 13.5        | 32.5        | 49.6              | 4.9      | 2.4                            | 4.2         | 5.4         | 7.1               | 103 |
| 14.2     | 3.4                        | 7.1         | 26.1        | 45.4              | 6.7      | 2.6                            | 5.4         | 6.6         | 8.3               | 104 |
| 2.6      | 0.5                        | 3.3         | 3.4         | 2.9               | 12.1     | 9.5                            | 11.0        | 12.5        | 17.6              | 105 |
| 25.9     | 38.6                       | 17.4        | 21.0        | 43.6              | 4.7      | 4.1                            | 3.7         | 5.3         | 7.0               | 106 |
| 7.1      | 1.6                        | 3.1         | 8.8         | 32.4              | 10.0     | 4.8                            | 7.3         | 10.6        | 11.4              | 107 |
| 9.5      | *0.1                       | 1.4         | 16.0        | 51.7              | 8.7      | *16.0                          | 7.3         | 7.7         | 9.5               | 108 |
| 6.4      | 2.5                        | 5.9         | 7.9         | 14.2              | 5.5      | 4.0                            | 5.0         | 6.1         | 6.2               | 109 |
| 4.3      | 0.4                        | 5.0         | 7.0         | 4.3               | 5.3      | *4.0                           | 4.2         | 5.4         | 10.5              | 110 |
| 7.6      | 2.1                        | 4.9         | 11.5        | 23.4              | 8.1      | 9.5                            | 7.5         | 7.7         | 8.6               | 111 |
| 4.7      | *0.2                       | 2.7         | 12.3        | 8.9               | 12.5     | *5.8                           | 11.1        | 12.9        | 13.8              | 112 |
| 2.4      | 0.6                        | 1.6         | 4.4         | 5.6               | 11.2     | 5.9                            | 8.1         | 11.8        | 15.2              | 113 |
| 20.7     | 0.4                        | 16.1        | 36.5        | 54.4              | 9.8      | 6.5                            | 8.0         | 9.3         | 12.7              | 114 |
| 5.3      | *0.1                       | 4.0         | 8.6         | 15.6              | 9.4      | *14.5                          | 7.5         | 10.1        | 10.7              | 115 |
| 2.1      | *0.0                       | 1.1         | 3.1         | 9.2               | 10.3     | *10.0                          | 7.0         | 9.2         | 12.6              | 116 |
| 5.4      | 0.4                        | 5.4         | 8.6         | 10.4              | 9.9      | 8.5                            | 9.8         | 8.8         | 11.6              | 117 |
| 7.0      | 1.4                        | 2.6         | 9.6         | 32.3              | 8.2      | 5.7                            | 7.6         | 7.5         | 9.1               | 118 |
| 162.8    | 37.4                       | 182.8       | 205.7       | 266.8             | 5.7      | 3.5                            | 4.6         | 5.9         | 9.5               | 119 |
| 6.1      | 3.0                        | 3.5         | 7.5         | 21.5              | 12.4     | 7.5                            | 11.7        | 11.5        | 15.0              | 120 |
| 5.2      | 1.2                        | 5.6         | 5.7         | 11.2              | 7.5      | 5.7                            | 5.3         | 8.9         | 11.3              | 121 |
| 13.4     | 0.7                        | 14.1        | 24.6        | 17.0              | 5.3      | 3.3                            | 4.1         | 5.8         | 8.6               | 122 |
| 5.6      | 2.0                        | 4.7         | 7.2         | 14.1              | 5.5      | 3.0                            | 4.0         | 5.6         | 8.0               | 123 |
| 3.9      | 5.1                        | 2.3         | 3.9         | 8.1               | 4.4      | 1.7                            | 4.0         | 5.9         | 7.3               | 124 |
| 21.0     | 11.1                       | 13.1        | 23.7        | 70.7              | 6.7      | 4.2                            | 5.5         | 6.6         | 8.6               | 125 |
| 10.9     | 0.1                        | 0.2         | 16.9        | 68.0              | 9.4      | *6.3                           | 2.8         | 7.2         | 10.4              | 126 |
| 10.6     | 10.4                       | 9.2         | 13.0        | 12.2              | 4.0      | 2.2                            | 3.4         | 4.8         | 7.7               | 127 |
| 6.4      | *0.1                       | 7.1         | 13.1        | 4.2               | 3.3      | *6.6                           | 3.4         | 3.1         | 3.7               | 128 |
| 3.9      | 0.6                        | 4.8         | 5.6         | 3.9               | 3.5      | 3.2                            | 3.5         | 3.4         | 4.3               | 129 |
| 2.3      | -                          | 3.9         | 2.4         | 0.8               | 4.5      | -                              | 4.4         | 4.8         | *4.7              | 130 |
| 12.0     | 0.7                        | 23.6        | 4.2         | 1.6               | 5.6      | 4.1                            | 5.3         | 6.3         | 22.4              | 131 |
| 4.9      | *0.1                       | 9.2         | 3.2         | *0.4              | 6.2      | *8.0                           | 5.8         | 8.6         | *11.8             | 132 |
| 8.5      | *0.0                       | 7.7         | 15.7        | 16.5              | 8.3      | *8.0                           | 7.2         | 8.9         | 9.6               | 133 |
| 20.8     | 0.8                        | 35.4        | 21.6        | *0.6              | 3.4      | 3.2                            | 3.2         | 3.8         | *4.8              | 134 |
| 3.7      | -                          | 0.3         | 14.0        | 6.7               | 3.1      | -                              | 4.5         | 2.8         | 4.2               | 135 |
| 23.6     | 1.5                        | 38.2        | 23.3        | 9.5               | 5.1      | 3.2                            | 4.7         | 5.9         | 8.2               | 136 |
| 45.8     | 1.8                        | 98.7        | 0.9         | -                 | 2.5      | 2.0                            | 2.5         | 2.9         | -                 | 137 |
| 2.1      | -                          | 4.7         | *0.0        | -                 | 5.9      | -                              | 5.8         | *11.0       | -                 | 138 |
| 8.8      | 0.7                        | 18.7        | *0.2        | -                 | 1.6      | *1.3                           | 1.6         | *1.6        | -                 | 139 |
| 13.9     | 0.5                        | 30.0        | *0.3        | -                 | 2.0      | *2.2                           | 2.0         | *1.4        | -                 | 140 |
| 1.4      | -                          | 3.0         | -           | -                 | 3.0      | -                              | 3.0         | -           | -                 | 141 |
| 1.4      | *0.1                       | 3.0         | *0.0        | -                 | 4.1      | *4.7                           | 4.1         | *6.0        | -                 | 142 |
| 6.0      | *0.1                       | 13.1        | *0.0        | -                 | 1.2      | *1.0                           | 1.2         | *1.0        | -                 | 143 |
| *0.0     | -                          | *0.0        | -           | -                 | *1.0     | -                              | *1.0        | -           | -                 | 144 |
| 0.1      | -                          | 0.3         | -           | -                 | *1.6     | -                              | *1.6        | -           | -                 | 145 |
| 0.5      | -                          | 1.2         | -           | -                 | 3.8      | -                              | 3.8         | -           | -                 | 146 |
| *0.0     | -                          | *0.0        | -           | -                 | *1.0     | -                              | *1.0        | -           | -                 | 147 |
| 0.1      | -                          | 0.2         | -           | -                 | *2.4     | -                              | *2.4        | -           | -                 | 148 |
| 11.4     | *0.3                       | 24.6        | *0.3        | -                 | 3.7      | *2.7                           | 3.7         | *4.7        | -                 | 149 |
| ...      | ...                        | ...         | ...         | ...               | ...      | ...                            | ...         | ...         | ...               | 150 |
| ...      | ...                        | ...         | ...         | ...               | ...      | ...                            | ...         | ...         | ...               | 151 |
| 27.8     | 16.1                       | 25.4        | 33.1        | 53.0              | 7.6      | 4.8                            | 5.5         | 8.7         | 12.5              | 152 |
| 8.1      | 5.0                        | 5.9         | 10.0        | 21.0              | 8.5      | 5.5                            | 6.8         | 10.4        | 10.4              | 153 |
| 3.0      | *0.3                       | 6.0         | 0.5         | 0.1               | 4.3      | *4.4                           | 4.3         | 4.9         | *7.0              | 154 |

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, 1979—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 |
|--|----------|----------------|-------------|-------------|-------------------|
|  |          |                |             |             |                   |
| 155 Other infections of the skin and subcutaneous tissue . . . . . 680-681, 683-684, 686   | 64       | 14             | 24          | 14          | 12                |
| 156 Other diseases of the skin and subcutaneous tissue. . . . . 690-709  | 296      | 39             | 110         | 84          | 62                |
| 157 Class 13. Diseases of the musculoskeletal system and connective tissue. . . . . 710-739  | 2,086    | 80             | 854         | 698         | 454               |
| 158 Rheumatoid arthritis, except spine. . . . . 714  | 92       | 3              | 12          | 43          | 34                |
| 159 Osteoarthritis and allied disorders, except spine . . . . . 715  | 153      | *0             | 13          | 50          | 90                |
| 160 Internal derangement of knee joint . . . . . 717   | 53       | 3              | 40          | 8           | 2                 |
| 161 Other arthropathies and related disorders. . . . . 710-713, 716, 718-719   | 182      | 13             | 100         | 37          | 32                |
| 162 Spondylosis and allied disorders . . . . . 721   | 135      | *0             | 19          | 63          | 53                |
| 163 Derangement and displacement of lumbar disc . . . . . 722.10, 722.32, 722.52, 722.73, 722.83, 722.93   | 289      | *1             | 151         | 113         | 24                |
| 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 | 96       | -              | 41          | 44          | 11                |
| 165 Other dorsopathies. . . . . 720, 723-724   | 292      | 4              | 144         | 105         | 39                |
| 166 Bursitis and synovitis, except spine . . . . . 726-727.0, 727.2-727.3  | 136      | 8              | 49          | 58          | 21                |
| 167 Bunion and deformities of toe . . . . . 727.1, 735   | 114      | 3              | 47          | 45          | 19                |
| 168 Disorders of bone and cartilage. . . . . 730-733   | 223      | 20             | 74          | 46          | 83                |
| 169 Other diseases of the musculoskeletal system and connective tissue. . . . . 725, 727.4-729, 734, 736-739   | 320      | 25             | 163         | 86          | 46                |
| 170 Class 14. Congenital anomalies . . . . . 740-759   | 333      | 160            | 99          | 53          | 21                |
| 171 Congenital anomaly of heart and circulatory system. . . . . 745-747  | 57       | 34             | 12          | 8           | 2                 |
| 172 Other congenital anomalies. . . . . 740-744, 748-759   | 276      | 126            | 87          | 45          | 19                |
| 173 Class 15. Certain conditions originating in the perinatal period. . . . . 760-779  | 72       | 71             | *1          | *0          | -                 |
| 174 Class 16. Symptoms, signs, and ill-defined conditions . . . . . 780-799  | 643      | 118            | 273         | 164         | 88                |
| 175 Convulsions . . . . . 780.3  | 62       | 29             | 21          | 9           | 3                 |
| 176 Chest pain . . . . . 786.5   | 70       | *1             | 27          | 34          | 8                 |
| 177 Abdominal pain. . . . . 789.0  | 118      | 21             | 66          | 21          | 11                |
| 178 Other symptoms, signs, and ill-defined conditions . . . . . 780.0-780.2, 780.4-786.4, 786.6-788, 789.1-799   | 393      | 67             | 159         | 100         | 66                |
| 179 Class 17. Injury and poisoning . . . . . 800-999   | 3,634    | 494            | 1,805       | 650         | 687               |
| 180 Fracture of skull and face bones . . . . . 800-803   | 158      | 30             | 102         | 16          | 10                |
| 181 Fracture of Vertebral column . . . . . 805-806   | 67       | 2              | 31          | 12          | 21                |
| 182 Fracture of radius and ulna . . . . . 813  | 130      | 38             | 40          | 26          | 25                |
| 183 Fracture of neck of femur . . . . . 820  | 205      | *2             | 7           | 24          | 172               |
| 184 Other fractures . . . . . 804, 807-812, 814-819, 821-829   | 620      | 83             | 254         | 136         | 147               |
| 185 Dislocation without fracture. . . . . 830-839  | 200      | 10             | 148         | 31          | 10                |
| 186 Sprains and strains of back (including neck). . . . . 846-847  | 339      | 5              | 212         | 92          | 31                |
| 187 Concussion (excluding those with skull fracture) . . . . . 850   | 189      | 58             | 105         | 16          | 11                |
| 188 Intracranial injury, except concussion (excluding those with skull fracture). . . . . 851-854  | 120      | 33             | 61          | 13          | 14                |
| 189 Internal injury of chest, abdomen, and pelvis . . . . . 860-869  | 72       | 7              | 48          | 14          | 3                 |
| 190 Laceration and open wound of eye, ear, and head . . . . . 870-873  | 116      | 20             | 63          | 18          | 15                |
| 191 Laceration and open wound of other locations . . . . . 874-904   | 243      | 26             | 169         | 33          | 15                |
| 192 Late effects of injuries, poisonings, toxic effects, and other external causes . . . . . 905-909   | 44       | 5              | 27          | 9           | 4                 |
| 193 Burns . . . . . 940-949  | 89       | 29             | 40          | 11          | 10                |
| 194 Other injury. . . . . 840-845, 848, 910-939, 950-959   | 484      | 64             | 250         | 89          | 81                |
| 195 Poisoning by drugs, medicinal agents, and biological substances . . . . . 960-979  | 155      | 16             | 96          | 23          | 20                |
| 196 Toxic effects of substances chiefly nonmedicinal as to source . . . . . 980-989  | 55       | 21             | 21          | 9           | 4                 |
| 197 Other and unspecified effects of external causes . . . . . 990-995   | 99       | 26             | 37          | 14          | 22                |
| 198 Other complications of surgical and medical care . . . . . 996-999   | 249      | 19             | 94          | 64          | 72                |

See footnote at end of table.

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, 1979—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*]

| All ages | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over | All ages | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |                            |  |
|----------|-------------------|----------------|----------------|----------------------|----------|-------------------|----------------|----------------|----------------------|----------------------------|--|
|          |                   |                |                |                      |          |                   |                |                |                      | Rate per 10,000 population |  |
| 3.0      | 2.9               | 2.4            | 3.3            | 5.2                  | 7.9      | 5.0               | 6.2            | 9.9            | 12.1                 | 155                        |  |
| 13.7     | 7.9               | 11.1           | 19.4           | 26.7                 | 7.7      | 4.4               | 5.2            | 7.7            | 14.3                 | 156                        |  |
| 96.6     | 16.0              | 86.3           | 160.5          | 194.3                | 8.3      | 6.1               | 6.6            | 8.6            | 11.2                 | 157                        |  |
| 4.3      | 0.6               | 1.2            | 10.0           | 14.5                 | 11.7     | 6.7               | 10.6           | 10.9           | 13.6                 | 158                        |  |
| 7.1      | *0.1              | 1.4            | 11.4           | 38.5                 | 12.5     | *13.8             | 8.4            | 11.9           | 13.4                 | 159                        |  |
| 2.5      | 0.5               | 4.1            | 1.9            | 0.8                  | 4.7      | 5.9               | 4.1            | 4.6            | 15.0                 | 160                        |  |
| 8.4      | 2.6               | 10.1           | 8.5            | 13.9                 | 7.6      | 6.3               | 6.7            | 7.7            | 11.2                 | 161                        |  |
| 6.2      | *0.1              | 1.9            | 14.5           | 22.6                 | 8.6      | *8.4              | 7.4            | 7.9            | 9.9                  | 162                        |  |
| 13.4     | *0.1              | 15.3           | 26.0           | 10.4                 | 10.2     | *7.2              | 9.2            | 11.3           | 11.7                 | 163                        |  |
| 4.4      | -                 | 4.1            | 10.2           | 4.6                  | 8.6      | -                 | 8.1            | 9.0            | 8.4                  | 164                        |  |
| 13.5     | 0.7               | 14.6           | 24.1           | 16.8                 | 8.5      | 4.7               | 7.3            | 9.4            | 10.8                 | 165                        |  |
| 6.3      | 1.7               | 5.0            | 13.2           | 8.9                  | 4.6      | 3.5               | 3.8            | 4.7            | 6.5                  | 166                        |  |
| 5.3      | 0.7               | 4.8            | 10.3           | 8.0                  | 4.9      | 4.0               | 4.4            | 5.3            | 5.4                  | 167                        |  |
| 10.3     | 4.0               | 7.5            | 10.7           | 35.5                 | 10.4     | 9.1               | 7.0            | 11.2           | 13.2                 | 168                        |  |
| 14.8     | 4.9               | 16.5           | 19.7           | 19.9                 | 5.3      | 4.8               | 4.8            | 5.0            | 8.2                  | 169                        |  |
| 95.4     | 31.9              | 10.0           | 12.1           | 9.1                  | 6.1      | 5.5               | 6.0            | 7.6            | 6.5                  | 170                        |  |
| 2.6      | 6.8               | 1.2            | 1.8            | 1.0                  | 7.7      | 6.7               | 9.7            | 9.4            | 6.8                  | 171                        |  |
| 12.8     | 25.1              | 8.8            | 10.3           | 8.1                  | 5.7      | 5.2               | 5.4            | 7.3            | 6.5                  | 172                        |  |
| 3.3      | 14.1              | *0.1           | *0.0           | -                    | 7.8      | 7.8               | 8.0            | *3.0           | -                    | 173                        |  |
| 29.8     | 23.7              | 27.6           | 37.8           | 37.5                 | 4.8      | 3.8               | 4.2            | 5.1            | 7.3                  | 174                        |  |
| 2.9      | 5.8               | 2.1            | 2.1            | 1.2                  | 4.1      | 3.2               | 4.2            | 5.8            | 7.6                  | 175                        |  |
| 3.3      | *0.3              | 2.7            | 7.9            | 3.4                  | 3.4      | *3.5              | 2.9            | 3.9            | 2.7                  | 176                        |  |
| 5.5      | 4.1               | 6.7            | 4.7            | 4.6                  | 3.9      | 3.0               | 3.8            | 4.1            | 5.8                  | 177                        |  |
| 18.2     | 13.4              | 16.1           | 23.1           | 28.3                 | 5.4      | 4.3               | 4.6            | 5.7            | 8.1                  | 178                        |  |
| 168.4    | 98.5              | 182.5          | 149.6          | 293.6                | 7.4      | 4.4               | 5.8            | 8.3            | 12.9                 | 179                        |  |
| 7.3      | 6.1               | 10.3           | 3.7            | 4.1                  | 5.6      | 3.8               | 5.4            | 6.4            | 11.7                 | 180                        |  |
| 3.1      | 0.5               | 3.1            | 2.8            | 9.1                  | 13.2     | 9.5               | 12.9           | 14.6           | 13.2                 | 181                        |  |
| 6.0      | 7.6               | 4.1            | 6.1            | 10.8                 | 4.0      | 1.9               | 4.9            | 4.8            | 5.2                  | 182                        |  |
| 9.5      | *0.3              | 0.7            | 5.5            | 73.8                 | 20.6     | 11.6              | 19.5           | 19.1           | 20.9                 | 183                        |  |
| 28.7     | 16.5              | 25.6           | 31.3           | 62.9                 | 9.4      | 7.3               | 7.8            | 9.5            | 13.4                 | 184                        |  |
| 9.3      | 2.1               | 15.0           | 7.2            | 4.4                  | 5.1      | 3.8               | 4.9            | 5.7            | 7.4                  | 185                        |  |
| 15.7     | 0.9               | 21.4           | 21.1           | 13.1                 | 7.4      | 4.1               | 7.1            | 7.9            | 8.2                  | 186                        |  |
| 8.8      | 11.5              | 10.6           | 3.7            | 4.6                  | 3.3      | 1.9               | 3.4            | 4.9            | 7.5                  | 187                        |  |
| 5.6      | 6.5               | 6.2            | 2.9            | 5.9                  | 7.7      | 4.0               | 7.8            | 9.6            | 14.2                 | 188                        |  |
| 3.4      | 1.5               | 4.8            | 3.2            | 1.4                  | 8.6      | 5.5               | 8.2            | 12.2           | 7.2                  | 189                        |  |
| 5.4      | 3.9               | 6.4            | 4.1            | 6.5                  | 4.4      | 3.0               | 4.0            | 4.2            | 8.3                  | 190                        |  |
| 11.2     | 5.2               | 17.1           | 7.6            | 6.3                  | 5.0      | 3.9               | 4.8            | 5.9            | 6.5                  | 191                        |  |
| 2.1      | 1.0               | 2.7            | 2.0            | 1.6                  | 6.8      | 4.4               | 6.2            | 8.9            | 9.1                  | 192                        |  |
| 4.1      | 5.8               | 4.1            | 2.5            | 4.1                  | 13.0     | 10.7              | 11.4           | 19.8           | 18.7                 | 193                        |  |
| 22.4     | 12.7              | 25.3           | 20.6           | 34.8                 | 5.3      | 3.4               | 4.5            | 6.0            | 8.4                  | 194                        |  |
| 7.2      | 3.2               | 9.7            | 5.2            | 8.4                  | 4.6      | 3.1               | 3.4            | 6.2            | 9.8                  | 195                        |  |
| 2.5      | 4.1               | 2.1            | 2.1            | 1.7                  | 3.4      | 2.6               | 3.4            | 4.6            | 4.4                  | 196                        |  |
| 4.6      | 5.2               | 3.7            | 3.3            | 9.4                  | 4.3      | 2.7               | 3.5            | 4.7            | 7.6                  | 197                        |  |
| 11.6     | 3.8               | 9.5            | 14.7           | 30.9                 | 7.4      | 6.5               | 4.9            | 9.2            | 9.1                  | 198                        |  |

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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 |   | All ages | Under 15 years | 15-44 years | 45-64 years | 65 years and over |
|---------------------------------------|---|----------|----------------|-------------|-------------|-------------------|
|                                       |   |          |                |             |             |                   |
| 199                                   | Supplementary classification of factors influencing health status . . . . . V01-V82   | 4,302    | 57             | 4,080       | 108         | 59                |
| 200                                   | Persons with potential health hazards related to personal and family history . . . . . V10-V19  | 92       | 13             | 32          | 26          | 21                |
| 201                                   | Persons admitted for sterilization . . . . . V25.2  | 268      | *0             | 262         | 6           | *0                |
| 202                                   | Females with deliveries . . . . . V27   | 3,646    | 13             | 3,607       | 27          | -                 |
| 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 | 296      | 31             | 179         | 48          | 38                |

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



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, 1979—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 |                    |                    |                          |     |
| 199.3           | 11.4                       | 412.4              | 24.8               | 25.2                     | 3.7             | 3.8                            | 3.6                | 5.1                | 7.0                      | 199 |
| 4.3             | 2.6                        | 3.3                | 6.0                | 8.9                      | 6.0             | 3.7                            | 7.2                | 5.1                | 6.9                      | 200 |
| 12.4            | *0.0                       | 26.5               | 1.4                | *0.0                     | 2.2             | 1.0                            | 2.2                | 2.5                | 8.0                      | 201 |
| 168.9           | 2.5                        | 364.5              | 6.1                | -                        | 3.7             | 3.8                            | 3.7                | 3.9                | -                        | 202 |
| 13.7            | 6.2                        | 18.1               | 11.0               | 16.3                     | 4.1             | 3.9                            | 2.9                | 6.1                | 7.0                      | 203 |

Table 2. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and age: United States, 1979  
 [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<br>ICD-9-CM code   | All ages            | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over | Rate per 10,000 population |                   |                |                |                      |
|--|---------------------|-------------------|----------------|----------------|----------------------|----------------------------|-------------------|----------------|----------------|----------------------|
|  |                     |                   |                |                |                      | All ages                   | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |
|  | Number in thousands |                   |                |                |                      | Rate per 10,000 population |                   |                |                |                      |
| All conditions . . . . .   | 86,117              | 6,104             | 30,232         | 21,011         | 28,771               | 3,989.0                    | 1,218.6           | 3,055.6        | 4,832.2        | 12,311.6             |
| Class 1. Infections and parasitic<br>diseases. . . . . 001-139   | 1,407               | 305               | 474            | 276            | 352                  | 65.2                       | 60.9              | 47.9           | 63.5           | 150.6                |
| Viral diseases. . . . . 045-079,<br>138, 139.0-139.1   | 437                 | 119               | 175            | 73             | 69                   | 20.2                       | 23.8              | 17.7           | 16.8           | 29.5                 |
| Other infectious and parasitic<br>diseases . . . . . 001-041, 080-137,<br>139.8  | 970                 | 186               | 299            | 203            | 283                  | 44.9                       | 37.1              | 30.2           | 46.7           | 121.1                |
| Class 2. Neoplasms. . . . . 140-239  | 4,014               | 87                | 762            | 1,413          | 1,752                | 185.9                      | 17.4              | 77.0           | 325.0          | 749.7                |
| Malignant neoplasms. . . . . 140-208   | 2,828               | 48                | 239            | 1,010          | 1,530                | 131.0                      | 9.6               | 24.2           | 232.3          | 654.7                |
| Malignant neoplasm of lip, oral<br>cavity, and pharynx . . . 140-149   | 57                  | 3                 | 3              | 25             | 25                   | 2.6                        | 0.6               | 0.3            | 5.7            | 10.7                 |
| Malignant neoplasm of large<br>intestine and<br>rectum. . . . . 153-154, 197.5   | 245                 | *1                | 8              | 80             | 156                  | 11.3                       | *0.2              | 0.8            | 18.4           | 66.8                 |
| Malignant neoplasm of other<br>digestive organs and<br>peritoneum. . . . . 150-152,<br>155-159, 197.4, 197.6-197.8   | 274                 | *1                | 17             | 88             | 168                  | 12.7                       | *0.2              | 1.7            | 20.2           | 71.9                 |
| Malignant neoplasm of trachea,<br>bronchus, and lung. . . . . 162,<br>197.0, 197.3   | 392                 | 6                 | 19             | 170            | 198                  | 18.2                       | 1.2               | 1.9            | 39.1           | 84.7                 |
| Malignant neoplasm of bone,<br>connective tissue, and<br>skin. . . 170-173, 198.2, 198.5   | 261                 | 10                | 29             | 98             | 124                  | 12.1                       | 2.0               | 2.9            | 22.5           | 53.1                 |
| Malignant neoplasm of<br>breast . . . . . 174-175, 198.81  | 258                 | *0                | 28             | 115            | 114                  | 12.0                       | *0.0              | 2.8            | 26.4           | 48.8                 |
| Malignant neoplasm of female<br>genital organs. . 179-184, 198.6   | 192                 | *1                | 33             | 85             | 73                   | 8.9                        | *0.2              | 3.3            | 19.5           | 31.2                 |
| Malignant neoplasm of<br>prostate . . . . . 185  | 200                 | *0                | *1             | 33             | 165                  | 9.3                        | *0.0              | *0.1           | 7.6            | 70.6                 |
| Malignant neoplasm of urinary<br>organs. . 188, 189, 198.0-198.1   | 166                 | 2                 | 7              | 47             | 110                  | 7.7                        | 0.4               | 0.7            | 10.8           | 47.1                 |
| Leukemia. . . . . 204-208  | 87                  | 11                | 12             | 13             | 51                   | 4.0                        | 2.2               | 1.2            | 3.0            | 21.8                 |
| Other malignant neoplasm of<br>hematopoietic<br>tissue . . . . . 196, 200-203  | 212                 | *2                | 26             | 80             | 104                  | 9.8                        | *0.4              | 2.6            | 18.4           | 44.5                 |
| Malignant neoplasm of other<br>and unspecified<br>sites . . . . . 160-161, 163-165,<br>186-187, 190-195,<br>197.1-197.2, 198.3-198.4,<br>198.7, 198.82-199 | 485                 | 10                | 58             | 176            | 240                  | 22.5                       | 2.0               | 5.9            | 40.5           | 102.7                |
| Benign neoplasms, carcinoma-in-situ,<br>and neoplasms of uncertain<br>behavior. . . . . 210-239  | 1,186               | 40                | 523            | 402            | 221                  | 54.9                       | 8.0               | 52.9           | 92.5           | 94.6                 |
| Benign neoplasm of the digestive<br>system. . . . . 210-211  | 113                 | *2                | 19             | 39             | 53                   | 5.2                        | *0.4              | 1.9            | 9.0            | 22.7                 |
| Benign neoplasm of bone and<br>connective tissue . . . 213-215   | 153                 | 7                 | 62             | 61             | 24                   | 7.1                        | 1.4               | 6.3            | 14.0           | 10.3                 |
| Benign neoplasm of the<br>breast . . . . . 217   | 69                  | *1                | 46             | 18             | 4                    | 3.2                        | *0.2              | 4.6            | 4.1            | 1.7                  |
| Benign neoplasm of the<br>uterus. . . . . 218-219  | 340                 | *1                | 195            | 130            | 14                   | 15.7                       | *0.2              | 19.7           | 29.9           | 6.0                  |
| Benign neoplasm of other female<br>genital organs. . . . . 220-221   | 49                  | *1                | 29             | 14             | 6                    | 2.3                        | *0.2              | 2.9            | 3.2            | 2.6                  |
| Other benign neoplasms,<br>carcinoma-in-situ, and<br>neoplasms of uncertain<br>behavior. . . 212, 216, 222-239   | 463                 | 29                | 172            | 141            | 121                  | 21.4                       | 5.8               | 17.4           | 32.4           | 51.8                 |

See footnote at end of table.

Table 2. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and age: United States, 1979—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<br>ICD-9-CM code   | All ages | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over | Rate per 10,000 population |                   |                |                |                      |
|--|----------|-------------------|----------------|----------------|----------------------|----------------------------|-------------------|----------------|----------------|----------------------|
|  |          |                   |                |                |                      | All ages                   | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |
| Number in thousands  |          |                   |                |                |                      |                            |                   |                |                |                      |
| Rate per 10,000 population   |          |                   |                |                |                      |                            |                   |                |                |                      |
| Class 3. Endocrine, nutritional and<br>metabolic diseases, and immunity<br>disorders . . . . . 240-279 | 4,646    | 222               | 884            | 1,579          | 1,961                | 215.2                      | 44.3              | 89.3           | 363.1          | 839.1                |
| Diseases of the thyroid<br>gland . . . . . 240-246   | 339      | 7                 | 75             | 119            | 138                  | 15.7                       | 1.4               | 7.6            | 27.4           | 59.1                 |
| Diabetes mellitus without<br>complication . . . . . 250.0  | 1,709    | 18                | 214            | 610            | 866                  | 79.2                       | 3.6               | 21.6           | 140.3          | 370.6                |
| Diabetes mellitus with<br>complication . . . . . 250.1-250.9   | 427      | 9                 | 104            | 153            | 161                  | 19.8                       | 1.8               | 10.5           | 35.2           | 68.9                 |
| Other diseases of the endocrine<br>glands . . . . . 251-259  | 221      | 14                | 71             | 68             | 69                   | 10.2                       | 2.8               | 7.2            | 15.6           | 29.5                 |
| Obesity . . . . . 278.0  | 639      | 8                 | 207            | 268            | 157                  | 29.6                       | 1.6               | 20.9           | 61.6           | 67.2                 |
| Other nutritional deficiencies and<br>metabolic and immunity<br>disorders . . . . . 260-277, 278.1-279 | 1,311    | 166               | 213            | 361            | 570                  | 60.7                       | 33.1              | 21.5           | 83.0           | 243.9                |
| Class 4. Diseases of the blood and<br>blood-forming organs . . . . . 280-289                           | 1,408    | 168               | 370            | 293            | 576                  | 65.2                       | 33.5              | 37.4           | 67.4           | 246.5                |
| Anemias . . . . . 280-285  | 1,083    | 95                | 280            | 220            | 488                  | 50.2                       | 19.0              | 28.3           | 50.6           | 208.8                |
| Other diseases of the blood and<br>blood-forming organs . . . . . 286-289                              | 325      | 73                | 90             | 74             | 88                   | 15.1                       | 14.6              | 9.1            | 17.0           | 37.7                 |
| Class 5. Mental<br>disorders . . . . . 290-319   | 3,856    | 101               | 1,815          | 1,088          | 853                  | 178.6                      | 20.2              | 183.4          | 250.2          | 365.0                |
| Organic psychotic<br>conditions . . . . . 290-294  | 251      | *0                | 67             | 67             | 116                  | 11.6                       | *0.0              | 6.8            | 15.4           | 49.6                 |
| Schizophrenic disorders . . . . . 295  | 271      | 2                 | 197            | 53             | 19                   | 12.6                       | 0.4               | 20.0           | 12.2           | 8.1                  |
| Other psychoses . . . . . 296-299  | 322      | 2                 | 134            | 88             | 97                   | 14.9                       | 0.4               | 13.5           | 20.2           | 41.5                 |
| Anxiety states . . . . . 300.0   | 296      | 4                 | 132            | 99             | 60                   | 13.7                       | 0.8               | 13.3           | 22.8           | 25.7                 |
| Other neuroses and personality<br>disorders . . . . . 300.1-301  | 667      | 15                | 394            | 167            | 91                   | 30.9                       | 3.0               | 39.8           | 38.4           | 38.9                 |
| Alcohol dependence<br>syndrome . . . . . 303   | 821      | 3                 | 379            | 350            | 89                   | 38.0                       | 0.6               | 38.3           | 80.5           | 38.1                 |
| Drug dependence . . . . . 304  | 74       | 2                 | 55             | 12             | 5                    | 3.4                        | 0.4               | 5.6            | 2.8            | 2.1                  |
| Nondependent abuse of drugs<br>(including alcohol) . . . . . 305                                       | 206      | 5                 | 123            | 57             | 21                   | 9.5                        | 1.0               | 12.4           | 13.1           | 9.0                  |
| Other mental disorders and mental<br>retardation . . . . . 302, 306-319                                | 947      | 67                | 333            | 193            | 355                  | 43.9                       | 13.4              | 33.7           | 44.4           | 151.9                |
| Class 6. Diseases of the nervous system<br>and sense organs . . . . . 320-389                          | 3,624    | 647               | 713            | 858            | 1,406                | 167.9                      | 129.2             | 72.1           | 197.3          | 601.7                |
| Epilepsy . . . . . 345   | 130      | 17                | 58             | 29             | 26                   | 6.0                        | 3.4               | 5.9            | 6.7            | 11.1                 |
| Other disorders of the central nervous<br>system . . . . . 320-336, 340-344,<br>346-349                | 983      | 80                | 216            | 232            | 455                  | 45.5                       | 16.0              | 21.8           | 53.4           | 194.7                |
| Disorders of the peripheral nervous<br>system . . . . . 337, 350-359                                   | 470      | 10                | 140            | 187            | 133                  | 21.8                       | 2.0               | 14.1           | 43.0           | 56.9                 |
| Cataract . . . . . 366   | 469      | 6                 | 22             | 92             | 349                  | 21.7                       | 1.2               | 2.2            | 21.2           | 149.3                |
| Other disorders of the<br>eye . . . . . 360-365, 367-379   | 750      | 104               | 136            | 192            | 319                  | 34.7                       | 20.8              | 13.7           | 44.2           | 136.5                |
| Otitis media and eustachian tube<br>disorders . . . . . 381-382  | 450      | 368               | 42             | 27             | 13                   | 20.8                       | 73.5              | 4.2            | 6.2            | 5.6                  |
| Other diseases of the ear and mastoid<br>process . . . . . 380, 383-389                                | 373      | 63                | 100            | 99             | 112                  | 17.3                       | 12.6              | 10.1           | 22.8           | 47.9                 |

See footnote at end of table.

Table 2. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and age: United States, 1979—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<br>ICD-9-CM code  | All ages | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over | Rate per 10,000 population |                   |                |                |                      |
|---|----------|-------------------|----------------|----------------|----------------------|----------------------------|-------------------|----------------|----------------|----------------------|
|   |          |                   |                |                |                      | All ages                   | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |
| Number in thousands   |          |                   |                |                |                      |                            |                   |                |                |                      |
| Rate per 10,000 population  |          |                   |                |                |                      |                            |                   |                |                |                      |
| Class 7. Diseases of the circulatory system..... 390-459                                  | 15,559   | 117               | 1,179          | 4,586          | 9,678                | 720.7                      | 23.4              | 119.2          | 1,054.7        | 4,141.4              |
| Essential hypertension..... 401   | 1,705    | 12                | 208            | 670            | 815                  | 79.0                       | 2.4               | 21.0           | 154.1          | 348.8                |
| Heart disease..... 391-392.0, 393-398, 402, 404, 410-429                                  | 9,529    | 68                | 519            | 2,840          | 6,102                | 441.4                      | 13.6              | 52.5           | 653.2          | 2,611.2              |
| Hypertensive heart disease..... 402, 404  | 441      | *1                | 18             | 132            | 289                  | 20.4                       | *0.2              | 1.8            | 30.4           | 123.7                |
| Acute myocardial infarction..... 410  | 688      | 3                 | 38             | 283            | 363                  | 31.9                       | 0.6               | 3.8            | 65.1           | 155.3                |
| Other acute and subacute forms of ischemic heart disease..... 411                         | 332      | *1                | 16             | 129            | 185                  | 15.4                       | *0.2              | 1.6            | 29.7           | 79.2                 |
| Angina pectoris..... 413  | 601      | *1                | 48             | 255            | 297                  | 27.8                       | *0.2              | 4.9            | 58.6           | 127.1                |
| Coronary atherosclerosis..... 414.0   | 1,837    | 7                 | 37             | 430            | 1,364                | 85.1                       | 1.4               | 3.7            | 98.9           | 583.7                |
| Other chronic ischemic heart disease..... 412, 414.1-414.9                                | 1,183    | 5                 | 69             | 505            | 605                  | 54.8                       | 1.0               | 7.0            | 116.1          | 258.9                |
| Pulmonary heart disease..... 415-416  | 234      | 5                 | 26             | 76             | 127                  | 10.8                       | 1.0               | 2.6            | 17.5           | 54.3                 |
| Cardiac dysrhythmias..... 427   | 1,274    | 10                | 83             | 341            | 841                  | 59.0                       | 2.0               | 8.4            | 78.4           | 359.9                |
| Congestive heart failure.... 428.0  | 1,216    | 13                | 26             | 234            | 944                  | 56.3                       | 2.6               | 2.6            | 53.8           | 404.0                |
| Cardiovascular disease, unspecified..... 429.2  | 485      | 2                 | 7              | 97             | 377                  | 22.5                       | 0.4               | 0.7            | 22.3           | 161.3                |
| Other heart disease..... 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9           | 1,238    | 20                | 150            | 357            | 710                  | 57.3                       | 4.0               | 15.2           | 82.1           | 303.8                |
| Intracranial hemorrhage.... 430-432   | 68       | 3                 | 10             | 21             | 34                   | 3.1                        | 0.6               | 1.0            | 4.8            | 14.5                 |
| Occlusion of cerebral arteries.... 434  | 167      | *1                | 6              | 33             | 128                  | 7.7                        | *0.2              | 0.6            | 7.6            | 54.8                 |
| Transient cerebral ischemia..... 435  | 290      | *1                | 6              | 60             | 222                  | 13.4                       | *0.2              | 0.6            | 13.8           | 95.0                 |
| Acute, but ill-defined, cerebrovascular disease..... 436                                  | 352      | 3                 | 9              | 64             | 277                  | 16.3                       | 0.6               | 0.9            | 14.7           | 118.5                |
| Other cerebrovascular disease..... 433, 437-438   | 748      | 3                 | 16             | 134            | 595                  | 34.6                       | 0.6               | 1.6            | 30.8           | 254.6                |
| Atherosclerosis..... 440  | 1,022    | 5                 | 18             | 188            | 811                  | 47.3                       | 1.0               | 1.8            | 43.2           | 347.0                |
| Aneurysm..... 441-442   | 125      | *0                | 5              | 31             | 88                   | 5.8                        | *0.0              | 0.5            | 7.1            | 37.7                 |
| Other diseases of arteries, arterioles, and capillaries..... 443-448                      | 367      | 2                 | 30             | 129            | 206                  | 17.0                       | 0.4               | 3.0            | 29.7           | 88.2                 |
| Phlebitis and thrombophlebitis..... 451   | 221      | *1                | 58             | 81             | 80                   | 10.2                       | *0.2              | 5.9            | 18.6           | 34.2                 |
| Varicose veins of lower extremities..... 454  | 150      | *0                | 37             | 55             | 57                   | 6.9                        | *0.0              | 3.7            | 12.6           | 24.4                 |
| Hemorrhoids..... 455  | 400      | 2                 | 174            | 151            | 73                   | 18.5                       | 0.4               | 17.6           | 34.7           | 31.2                 |
| Other diseases of the circulatory system..... 390, 392.9, 403, 405, 417, 452-453, 456-459 | 416      | 15                | 83             | 129            | 189                  | 19.3                       | 3.0               | 8.4            | 29.7           | 80.9                 |
| Class 8. Diseases of the respiratory system..... 460-519                                  | 6,322    | 1,513             | 1,323          | 1,420          | 2,066                | 292.8                      | 302.0             | 133.7          | 326.5          | 884.1                |
| Acute bronchitis and bronchiolitis..... 466   | 333      | 132               | 54             | 65             | 83                   | 15.4                       | 26.4              | 5.5            | 14.9           | 35.5                 |
| Other acute upper respiratory infections, except influenza..... 460-465                   | 528      | 291               | 138            | 51             | 47                   | 24.5                       | 58.1              | 13.9           | 11.7           | 20.1                 |
| Deviated nasal septum..... 470  | 156      | 5                 | 113            | 34             | 4                    | 7.2                        | 1.0               | 11.4           | 7.8            | 1.7                  |
| Chronic disease of tonsils and adenoids..... 474  | 614      | 412               | 194            | 7              | *1                   | 28.4                       | 82.2              | 19.6           | 1.6            | *0.4                 |
| Pneumonia, all forms..... 480-486   | 1,138    | 335               | 163            | 205            | 436                  | 52.7                       | 66.9              | 16.5           | 47.1           | 186.6                |
| Influenza..... 487  | 89       | 20                | 33             | 17             | 19                   | 4.1                        | 4.0               | 3.3            | 3.9            | 8.1                  |
| Bronchitis, chronic and unspecified..... 490-491  | 501      | 78                | 84             | 147            | 193                  | 23.2                       | 15.6              | 8.5            | 33.8           | 82.6                 |
| Emphysema..... 492  | 262      | *1                | 9              | 92             | 160                  | 12.1                       | *0.2              | 0.9            | 21.2           | 68.5                 |
| Asthma..... 493   | 513      | 125               | 133            | 134            | 120                  | 23.8                       | 25.0              | 13.4           | 30.8           | 51.4                 |
| Pleurisy..... 511   | 194      | 4                 | 38             | 59             | 92                   | 9.0                        | 0.8               | 3.8            | 13.6           | 39.4                 |
| Other diseases of the respiratory system..... 471-473, 475-478, 494-496, 500-510, 512-519 | 1,994    | 110               | 365            | 610            | 909                  | 92.4                       | 22.0              | 36.9           | 140.3          | 389.0                |

See footnote at end of table.

Table 2. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and age: United States, 1979—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<br>ICD-9-CM code   | All ages | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over | All ages | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |
|--|----------|-------------------|----------------|----------------|----------------------|----------|-------------------|----------------|----------------|----------------------|
|  |          |                   |                |                |                      |          |                   |                |                |                      |
| Class 9. Diseases of the digestive system . . . . . 520-579                          | 8,518    | 654               | 2,531          | 2,539          | 2,793                | 394.6    | 130.6             | 255.8          | 583.9          | 1,195.2              |
| Disturbance of tooth eruption . . . 520.6  | 130      | 11                | 110            | 8              | *1                   | 6.0      | 2.2               | 11.1           | 1.8            | *0.4                 |
| Other diseases of the teeth, jaw and mouth . . . 520.0-520.5, 520.7-529              | 338      | 39                | 156            | 95             | 49                   | 15.7     | 7.8               | 15.8           | 21.8           | 21.0                 |
| Diseases of the esophagus . . . . . 530  | 391      | 15                | 90             | 134            | 151                  | 18.1     | 3.0               | 9.1            | 30.8           | 64.6                 |
| Gastric ulcer . . . . . 531  | 160      | *1                | 27             | 58             | 73                   | 7.4      | *0.2              | 2.7            | 13.3           | 31.2                 |
| Duodenal ulcer . . . . . 532   | 258      | 4                 | 70             | 96             | 88                   | 12.0     | 0.8               | 7.1            | 22.1           | 37.7                 |
| Other and unspecified peptic ulcer . . . . . 533-534                                 | 180      | 2                 | 49             | 64             | 65                   | 8.3      | 0.4               | 5.0            | 14.7           | 27.8                 |
| Gastritis and duodenitis . . . . . 535   | 593      | 28                | 228            | 196            | 142                  | 27.5     | 5.6               | 23.0           | 45.1           | 60.8                 |
| Other diseases of the stomach . . . . . 536-537                                      | 195      | 14                | 76             | 57             | 48                   | 9.0      | 2.8               | 7.7            | 13.1           | 20.5                 |
| Acute appendicitis without mention of peritonitis . . . . . 540.9                    | 184      | 47                | 119            | 14             | 5                    | 8.5      | 9.4               | 12.0           | 3.2            | 2.1                  |
| Other appendicitis and other diseases of the appendix . . . . . 540.0-540.1, 541-543 | 145      | 34                | 77             | 23             | 11                   | 6.7      | 6.8               | 7.8            | 5.3            | 4.7                  |
| Inguinal hernia . . . . . 550  | 569      | 99                | 143            | 160            | 167                  | 26.4     | 19.8              | 14.5           | 36.8           | 71.5                 |
| Other hernia of abdominal cavity . . . . . 551-553                                   | 786      | 27                | 128            | 275            | 357                  | 36.4     | 5.4               | 12.9           | 63.2           | 152.8                |
| Regional enteritis and idiopathic proctocolitis . . . . . 555-556                    | 88       | 4                 | 49             | 22             | 13                   | 4.1      | 0.8               | 5.0            | 5.1            | 5.6                  |
| Other noninfectious gastroenteritis and colitis . . . . . 558                        | 741      | 241               | 218            | 127            | 154                  | 34.3     | 48.1              | 22.0           | 29.2           | 65.9                 |
| Intestinal obstruction without mention of hernia . . . . . 560                       | 289      | 13                | 57             | 74             | 146                  | 13.4     | 2.6               | 5.8            | 17.0           | 62.5                 |
| Diverticula of intestine . . . . . 562   | 544      | *2                | 26             | 166            | 351                  | 25.2     | *0.4              | 2.6            | 38.2           | 150.2                |
| Other functional digestive disorders of intestines . . . . . 564                     | 316      | 22                | 107            | 86             | 102                  | 14.6     | 4.4               | 10.8           | 19.8           | 43.6                 |
| Anal fissure, fistula, and abscess . . . . . 565-566                                 | 147      | 3                 | 76             | 47             | 20                   | 6.8      | 0.6               | 7.7            | 10.8           | 8.6                  |
| Other disorders of intestine and peritoneum . . . . . 557, 567-569                   | 512      | 18                | 184            | 151            | 159                  | 23.7     | 3.6               | 18.6           | 34.7           | 68.0                 |
| Chronic liver disease and cirrhosis . . . . . 571                                    | 312      | 3                 | 78             | 157            | 73                   | 14.5     | 0.6               | 7.9            | 36.1           | 31.2                 |
| Other diseases of the liver . . . . . 570, 572-573                                   | 167      | 6                 | 46             | 69             | 45                   | 7.7      | 1.2               | 4.6            | 15.9           | 19.3                 |
| Cholelithiasis . . . . . 574   | 673      | 2                 | 196            | 228            | 247                  | 31.2     | 0.4               | 19.8           | 52.4           | 105.7                |
| Cholecystitis . . . . . 575.0-575.1  | 171      | *1                | 55             | 51             | 64                   | 7.9      | *0.2              | 5.6            | 11.7           | 27.4                 |
| Other disorders of gallbladder and biliary tract . . . . . 575.2-576                 | 125      | *1                | 28             | 35             | 60                   | 5.8      | *0.2              | 2.8            | 8.0            | 25.7                 |
| Diseases of the pancreas . . . . . 577   | 196      | 3                 | 83             | 66             | 44                   | 9.1      | 0.6               | 8.4            | 15.2           | 18.8                 |
| Gastrointestinal hemorrhage and intestinal malabsorption . . . 578-579               | 306      | 15                | 54             | 79             | 158                  | 14.2     | 3.0               | 5.5            | 18.2           | 67.6                 |

See footnote at end of table.

Table 2. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and age: United States, 1979—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<br>ICD-9-CM code  | All ages | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over | Rate per 10,000 population |                   |                |                |                      |
|---|----------|-------------------|----------------|----------------|----------------------|----------------------------|-------------------|----------------|----------------|----------------------|
|   |          |                   |                |                |                      | All ages                   | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |
| Number in thousands   |          |                   |                |                |                      | Rate per 10,000 population |                   |                |                |                      |
| Class 10. Diseases of the<br>genitourinary system . . . . . 580-629   | 7,486    | 306               | 3,436          | 1,904          | 1,841                | 346.8                      | 61.1              | 347.3          | 437.9          | 787.6                |
| Nephritis, nephrotic syndrome, and<br>nephrosis . . . . . 580-589   | 452      | 23                | 89             | 118            | 221                  | 20.9                       | 4.6               | 9.0            | 27.1           | 94.6                 |
| Infections of kidney . . . . . 590  | 216      | 9                 | 84             | 53             | 70                   | 10.0                       | 1.8               | 8.5            | 12.2           | 30.0                 |
| Calculus of kidney and ureter . . . . . 592   | 373      | 5                 | 167            | 136            | 66                   | 17.3                       | 1.0               | 16.9           | 31.3           | 28.2                 |
| Cystitis . . . . . 595  | 296      | 17                | 95             | 81             | 103                  | 13.7                       | 3.4               | 9.6            | 18.6           | 44.1                 |
| Urethral stricture . . . . . 598  | 189      | 38                | 50             | 42             | 58                   | 8.8                        | 7.6               | 5.1            | 9.7            | 24.8                 |
| Other disorders of urinary<br>system . . . . . 591,<br>593-594, 596-597, 599  | 1,429    | 100               | 318            | 330            | 681                  | 66.2                       | 20.0              | 32.1           | 75.9           | 291.4                |
| Hyperplasia of prostate . . . . . 600   | 455      | *1                | 6              | 131            | 317                  | 21.1                       | *0.2              | 0.6            | 30.1           | 135.6                |
| Other disorders of the male genital<br>organs . . . . . 601-608   | 430      | 82                | 139            | 114            | 95                   | 19.9                       | 16.4              | 14.0           | 26.2           | 40.7                 |
| Benign mammary dysplasia . . . . . 610  | 196      | *1                | 95             | 83             | 17                   | 9.1                        | *0.2              | 9.6            | 19.1           | 7.3                  |
| Inflammatory disease of breast . . . . . 611  | 132      | 4                 | 72             | 38             | 19                   | 6.1                        | 0.8               | 7.3            | 8.7            | 8.1                  |
| Cervicitis and endocervicitis . . . . . 616.0   | 211      | *0                | 147            | 58             | 7                    | 9.8                        | *0.0              | 14.9           | 13.3           | 3.0                  |
| Other inflammatory disease of female<br>pelvic organs . . . . . 614-615,<br>616.1-616.9   | 560      | 7                 | 476            | 61             | 16                   | 25.9                       | 1.4               | 48.1           | 14.0           | 6.8                  |
| Endometriosis . . . . . 617   | 293      | *1                | 229            | 60             | 4                    | 13.6                       | *0.2              | 23.1           | 13.8           | 1.7                  |
| Genital prolapse (female) . . . . . 618   | 343      | *1                | 146            | 124            | 73                   | 15.9                       | *0.2              | 14.8           | 28.5           | 31.2                 |
| Disorders of menstruation and other<br>abnormal vaginal bleeding . . . . . 626  | 621      | 5                 | 484            | 130            | 2                    | 28.8                       | 1.0               | 48.9           | 29.9           | 0.9                  |
| Menopausal and postmenopausal<br>disorders . . . . . 627  | 113      | *0                | 6              | 82             | 25                   | 5.2                        | *0.0              | 0.6            | 18.9           | 10.7                 |
| Other disruptions of the female genital<br>tract . . . . . 619-625, 628-629   | 1,176    | 13                | 834            | 264            | 66                   | 54.5                       | 2.6               | 84.3           | 60.7           | 28.2                 |
| Class 11. Complications of<br>pregnancy, childbirth, and the<br>puerperium <sup>1</sup> . . . . . 630-676                                 | 5,456    | 25                | 5,396          | 35             | ...                  | 252.7                      | 5.0               | 545.4          | 8.0            | ...                  |
| Ectopic pregnancy . . . . . 633   | 50       | -                 | 50             | *0             | -                    | 2.3                        | ...               | 5.1            | 0.0            | -                    |
| Induced abortion . . . . . 635-636  | 203      | 4                 | 198            | *1             | ...                  | 9.4                        | 0.8               | 20.0           | *0.2           | ...                  |
| Other pregnancy with abortive<br>outcome . . . . . 630-632, 634, 637-639  | 317      | 3                 | 313            | *1             | ...                  | 14.7                       | 0.6               | 31.6           | *0.2           | ...                  |
| Antepartum hemorrhage, abruptio<br>placentae, and placenta<br>previa . . . . . 641  | 93       | ...               | 92             | 1              | ...                  | 4.3                        | ...               | 9.3            | 0.2            | ...                  |
| Hypertension complicating pregnancy,<br>childbirth, and the<br>puerperium . . . . . 642   | 168      | 2                 | 163            | 2              | ...                  | 7.8                        | 0.4               | 16.5           | 0.5            | ...                  |
| False labor . . . . . 644.1   | 133      | *1                | 132            | *1             | ...                  | 6.2                        | *0.2              | 13.3           | *0.2           | ...                  |
| Fetopelvic disproportion . . . . . 653.4  | 141      | *1                | 140            | *1             | ...                  | 6.5                        | *0.2              | 14.1           | *0.2           | ...                  |
| Uterine scar from previous<br>surgery . . . . . 654.2   | 198      | *0                | 196            | *2             | ...                  | 9.2                        | *0.0              | 19.8           | *0.5           | ...                  |
| Rupture of membranes . . . . . 658.1-658.3  | 146      | *1                | 144            | *2             | ...                  | 6.8                        | *0.2              | 14.6           | *0.5           | ...                  |
| Umbilical cord complications . . . . . 663  | 56       | *0                | 55             | *0             | ...                  | 2.6                        | *0.0              | 5.6            | *0.0           | ...                  |
| Trauma to perineum and vulva<br>during delivery . . . . . 664   | 304      | *1                | 301            | *2             | ...                  | 14.1                       | *0.2              | 30.4           | *0.5           | ...                  |
| Other complications of<br>pregnancy . . . . . 640, 643-644.0,<br>644.2-648, 651-653.3,<br>635.5-654.1, 654.3-658.0,<br>658.4-662, 665-676 | 1,863    | 8                 | 1,840          | 14             | ...                  | 86.3                       | 1.6               | 186.0          | 3.2            | ...                  |
| Delivery without mention of<br>complication . . . . . 650   | 1,785    | 5                 | 1,771          | 9              | ...                  | 82.7                       | 1.0               | 179.0          | 2.1            | ...                  |
| Complication of delivery . . . . . 640-648,<br>651-676, with 5th digit 1 or 2   | 2,498    | 11                | 2,466          | 21             | ...                  | 115.7                      | 2.2               | 249.2          | 4.8            | ...                  |

See footnote at end of table.

Table 2. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and age: United States, 1979—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<br>ICD-9-CM code   | All ages | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over | Rate per 10,000 population |                   |                |                |                      |
|--|----------|-------------------|----------------|----------------|----------------------|----------------------------|-------------------|----------------|----------------|----------------------|
|  |          |                   |                |                |                      | All ages                   | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |
| Number in thousands  |          |                   |                |                |                      |                            |                   |                |                |                      |
| Rate per 10,000 population   |          |                   |                |                |                      |                            |                   |                |                |                      |
| Class 12. Diseases of the skin and<br>subcutaneous tissue. . . . . 680-709   | 1,247    | 137               | 422            | 336            | 351                  | 57.8                       | 27.4              | 42.7           | 77.3           | 150.2                |
| Cellulitis and abscess, except of<br>digit. . . . . 682  | 268      | 34                | 79             | 71             | 84                   | 12.4                       | 6.8               | 8.0            | 16.3           | 35.9                 |
| Pilonidal cyst. . . . . 685  | 67       | *2                | 62             | 3              | *0                   | 3.1                        | *0.4              | 6.3            | 0.7            | *0.0                 |
| Other infections of the skin and<br>subcutaneous tissue. . . . . 680-681,<br>683-684, 686  | 122      | 27                | 40             | 29             | 26                   | 5.7                        | 5.4               | 4.0            | 6.7            | 11.1                 |
| Other diseases of the skin and<br>subcutaneous tissue. . . . . 690-709   | 790      | 75                | 241            | 232            | 241                  | 36.6                       | 15.0              | 24.4           | 53.4           | 103.1                |
| Class 13. Diseases of the<br>musculoskeletal system and<br>connective tissue. . . . . 710-739  | 4,628    | 126               | 1,365          | 1,482          | 1,655                | 214.4                      | 25.2              | 138.0          | 340.8          | 708.4                |
| Rheumatoid arthritis, except<br>spine. . . . . 714   | 222      | 5                 | 26             | 88             | 103                  | 10.3                       | 1.0               | 2.6            | 20.2           | 44.1                 |
| Osteoarthritis and allied disorders,<br>except spine. . . . . 715  | 692      | 2                 | 30             | 170            | 490                  | 32.1                       | 0.4               | 3.0            | 39.1           | 209.7                |
| Internal derangement of knee<br>joint. . . . . 717   | 99       | 3                 | 73             | 17             | 6                    | 4.6                        | 0.6               | 7.4            | 3.9            | 2.6                  |
| Other arthropathies and related<br>disorders. . . 710-713, 716, 718-719  | 453      | 20                | 162            | 111            | 160                  | 21.0                       | 4.0               | 16.4           | 25.5           | 68.5                 |
| Spondylosis and allied disorders. . . 721  | 435      | *1                | 37             | 185            | 212                  | 20.1                       | *0.2              | 3.7            | 42.5           | 90.7                 |
| Derangement and displacement of<br>lumbar disc. . . . . 722.10, 722.32,<br>722.52, 722.73, 722.83, 722.93  | 356      | *1                | 169            | 141            | 44                   | 16.5                       | *0.2              | 17.1           | 32.4           | 18.8                 |
| Derangement and displacement of<br>other intervertebral disc. . . . . 722.0,<br>722.11-722.31, 722.39-722.51,<br>722.6-722.72, 722.80-722.82,<br>722.90-722.92 | 160      | *0                | 58             | 72             | 30                   | 7.4                        | *0.0              | 5.9            | 16.6           | 12.8                 |
| Other dorsopathies. . . . . 720, 723-724   | 498      | 7                 | 224            | 185            | 81                   | 23.1                       | 1.4               | 22.6           | 42.5           | 34.7                 |
| Bursitis and synovitis, except<br>spine. . . . . 726-727.0, 727.2-727.3  | 254      | 10                | 85             | 106            | 53                   | 11.8                       | 2.0               | 8.6            | 24.4           | 22.7                 |
| Bunion and deformities of<br>toe. . . . . 727.1, 735   | 231      | 5                 | 92             | 94             | 40                   | 10.7                       | 1.0               | 9.3            | 21.6           | 17.1                 |
| Disorders of bone and<br>cartilage. . . . . 730-733  | 556      | 28                | 109            | 124            | 295                  | 25.8                       | 5.6               | 11.0           | 28.5           | 126.2                |
| Other diseases of the musculoskeletal<br>system and connective tissue. . . 725,<br>727.4-729, 734, 736-739   | 673      | 44                | 300            | 189            | 140                  | 31.2                       | 8.8               | 30.3           | 43.5           | 59.9                 |
| Class 14. Congenital<br>anomalies. . . . . 740-759   | 688      | 265               | 204            | 127            | 92                   | 31.9                       | 52.9              | 20.6           | 29.2           | 39.4                 |
| Congenital anomaly of heart and<br>circulatory system. . . . . 745-747   | 118      | 71                | 23             | 18             | 7                    | 5.5                        | 14.2              | 2.3            | 4.1            | 3.0                  |
| Other congenital<br>anomalies. . . . . 740-744, 748-759  | 569      | 194               | 181            | 109            | 85                   | 26.4                       | 38.7              | 18.3           | 25.1           | 36.4                 |
| Class 15. Certain conditions<br>originating in the perinatal<br>period. . . . . 760-779  | 138      | 134               | 2              | *1             | *1                   | 6.4                        | 26.8              | 0.2            | 0.2            | 0.4                  |
| Class 16. Symptoms, signs, and<br>ill-defined conditions. . . . . 780-799  | 4,051    | 456               | 1,146          | 1,119          | 1,330                | 187.6                      | 91.1              | 115.8          | 257.4          | 569.1                |
| Convulsions. . . . . 780.3   | 346      | 105               | 106            | 70             | 65                   | 16.0                       | 21.0              | 10.7           | 16.1           | 27.8                 |
| Chest pain. . . . . 786.5  | 323      | 3                 | 102            | 158            | 59                   | 15.0                       | 0.6               | 10.3           | 36.3           | 25.2                 |
| Abdominal pain. . . . . 789.0  | 418      | 50                | 197            | 99             | 72                   | 19.4                       | 10.0              | 19.9           | 22.8           | 30.8                 |
| Other symptoms, signs, and ill-defined<br>conditions. . . . . 780.0-780.2,<br>780.4-786.4, 786.6-788,<br>789.1-799   | 2,964    | 297               | 741            | 792            | 1,134                | 137.3                      | 59.3              | 74.9           | 182.1          | 485.3                |

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|--|----------|-------------------|----------------|----------------|----------------------|----------------------------|-------------------|----------------|----------------|----------------------|
|  |          |                   |                |                |                      | All ages                   | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |
| Number in thousands  |          |                   |                |                |                      | Rate per 10,000 population |                   |                |                |                      |
| Class 17. Injury and poisoning . . . . . 800-999   | 6,391    | 712               | 3,230          | 1,213          | 1,235                | 296.0                      | 142.1             | 326.5          | 279.0          | 528.6                |
| Fracture of skull and face bones . . . . . 800-803   | 253      | 38                | 166            | 31             | 19                   | 11.7                       | 7.6               | 16.8           | 7.1            | 8.1                  |
| Fracture of vertebral column . . . . . 805-806   | 107      | 3                 | 49             | 19             | 36                   | 5.0                        | 0.6               | 5.0            | 4.4            | 15.4                 |
| Fracture of radius and ulna . . . . . 813  | 171      | 42                | 56             | 37             | 37                   | 7.9                        | 8.4               | 5.7            | 8.5            | 15.8                 |
| Fracture of neck of femur . . . . . 820  | 232      | 2                 | 10             | 28             | 192                  | 10.7                       | 0.4               | 1.0            | 6.4            | 82.2                 |
| Other fractures . . . . . 804, 807-812, 814-819, 821-829   | 917      | 103               | 395            | 196            | 223                  | 42.5                       | 20.6              | 39.9           | 45.1           | 95.4                 |
| Dislocation without fracture . . . . . 830-839   | 271      | 13                | 190            | 48             | 20                   | 12.6                       | 2.6               | 19.2           | 11.0           | 8.6                  |
| Sprains and strains of back (including neck) . . . . . 846-847                                   | 526      | 8                 | 324            | 145            | 49                   | 24.4                       | 1.6               | 32.7           | 33.3           | 21.0                 |
| Concussion (excluding those with skull fracture) . . . . . 850                                   | 252      | 68                | 139            | 24             | 20                   | 11.7                       | 13.6              | 14.0           | 5.5            | 8.6                  |
| Intracranial injury, except concussion (excluding those with skull fracture) . . . . . 851-854   | 155      | 37                | 80             | 18             | 20                   | 7.2                        | 7.4               | 8.1            | 4.1            | 8.6                  |
| Internal injury of chest, abdomen, and pelvis . . . . . 860-869                                  | 194      | 17                | 126            | 37             | 15                   | 9.0                        | 3.4               | 12.7           | 8.5            | 6.4                  |
| Laceration and open wound of eye, ear, and head . . . . . 870-873                                | 322      | 39                | 192            | 48             | 43                   | 14.9                       | 7.8               | 19.4           | 11.0           | 18.4                 |
| Laceration and open wound of other locations . . . . . 874-904                                   | 418      | 40                | 291            | 56             | 31                   | 19.4                       | 8.0               | 29.4           | 12.9           | 13.3                 |
| Late effects of injuries, poisonings, toxic effects, and other external causes . . . . . 905-909 | 131      | 12                | 74             | 30             | 15                   | 6.1                        | 2.4               | 7.5            | 6.9            | 6.4                  |
| Burns . . . . . 940-949  | 106      | 32                | 47             | 13             | 14                   | 4.9                        | 6.4               | 4.8            | 3.0            | 6.0                  |
| Other injury . . . . . 840-845, 848, 910-939, 950-959  | 1,204    | 139               | 638            | 220            | 207                  | 55.8                       | 27.7              | 64.5           | 50.0           | 88.6                 |
| Poisoning by drugs, medicinal agents, and biological substances . . . . . 960-979                | 242      | 20                | 136            | 38             | 49                   | 11.2                       | 4.0               | 13.7           | 8.7            | 21.0                 |
| Toxic effects of substances chiefly non-medicinal as to source . . . . . 980-989                 | 75       | 24                | 30             | 13             | 7                    | 3.5                        | 4.8               | 3.0            | 3.0            | 3.0                  |
| Other and unspecified effects of external causes . . . . . 990-995                               | 252      | 40                | 89             | 57             | 65                   | 11.7                       | 8.0               | 9.0            | 13.1           | 27.8                 |
| Other complications of surgical and medical care . . . . . 996-999                               | 563      | 35                | 197            | 156            | 174                  | 26.1                       | 7.0               | 19.9           | 35.9           | 74.5                 |

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|---|---------------------|-------------------|----------------|----------------|----------------------|----------------------------|-------------------|----------------|----------------|----------------------|
|   |                     |                   |                |                |                      | All ages                   | Under<br>15 years | 15-44<br>years | 45-64<br>years | 65 years<br>and over |
|   | Number in thousands |                   |                |                |                      | Rate per 10,000 population |                   |                |                |                      |
| Supplementary classification of factors<br>influencing health<br>status..... V01-V82  | 6,678               | 128               | 4,979          | 743            | 828                  | 309.3                      | 25.6              | 503.2          | 170.9          | 354.3                |
| Persons with potential health hazards<br>related to personal and family<br>history..... V10-V19   | 1,526               | 55                | 335            | 497            | 640                  | 70.7                       | 11.0              | 33.9           | 114.3          | 273.9                |
| Persons admitted for<br>sterilization..... V25.2  | 655                 | *0                | 639            | 14             | *2                   | 30.3                       | *0.0              | 64.6           | 3.2            | *0.9                 |
| Females with deliveries..... V27  | 3,646               | 13                | 3,607          | 27             | -                    | 168.9                      | 2.6               | 364.6          | 6.2            | -                    |
| Other factors influencing health status<br>and contact with health<br>services..... V01-V07, V20-V25.1,<br>V25.3-V26, V28, V30-39<br>(with 3rd digit 1 or 2), V40-V82 | 851                 | 61                | 398            | 205            | 187                  | 39.4                       | 12.2              | 40.2           | 47.1           | 80.0                 |

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

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979

[Discharges and 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 |   | First-listed diagnoses |        |        |                            |         |         |
|---------------------------------------|---|------------------------|--------|--------|----------------------------|---------|---------|
|                                       |   | Both sexes             |        |        | Both sexes                 |         |         |
|                                       |   | Male                   | Female | Male   | Female                     | Female  |         |
|                                       |   | Number in thousands    |        |        | Rate per 10,000 population |         |         |
| 01                                    | All conditions . . . . .  | 36,747                 | 14,705 | 22,042 | 1,702.1                    | 1,411.5 | 1,973.2 |
| 02                                    | Class 1. Infections and parasitic diseases . . . . . 001-139  | 596                    | 277    | 319    | 27.6                       | 26.6    | 28.6    |
| 03                                    | Viral diseases . . . . . 045-079, 138, 139.0-139.1  | 267                    | 127    | 140    | 12.3                       | 12.2    | 12.5    |
| 04                                    | Other infectious and parasitic diseases . . . . . 001-041, 080-137, 139.8   | 330                    | 150    | 179    | 15.3                       | 14.4    | 16.0    |
| 05                                    | Class 2. Neoplasms . . . . . 140-239  | 2,401                  | 994    | 1,408  | 111.2                      | 95.4    | 126.0   |
| 06                                    | Malignant neoplasms . . . . . 140-208   | 1,745                  | 846    | 899    | 80.8                       | 81.2    | 80.5    |
| 07                                    | Malignant neoplasms of lip, oral cavity, and pharynx . . . . . 140-149  | 46                     | 27     | 20     | 2.1                        | 2.6     | 1.7     |
| 08                                    | Malignant neoplasm of large intestine and rectum . . . . . 153-154, 197.5   | 192                    | 90     | 102    | 8.9                        | 8.6     | 9.1     |
| 09                                    | Malignant neoplasm of other digestive organs and peritoneum . . . . . 150-152, 155-159, 197.4, 197.6-197.8                                  | 134                    | 73     | 61     | 6.2                        | 7.0     | 5.4     |
| 10                                    | Malignant neoplasm of trachea, bronchus, and lung . . . . . 162, 197.0, 197.3   | 274                    | 183    | 90     | 12.7                       | 17.6    | 8.1     |
| 11                                    | Malignant neoplasm of bone, connective tissue, and skin . . . . . 170-173, 198.2, 198.5   | 116                    | 66     | 50     | 5.4                        | 6.3     | 4.5     |
| 12                                    | Malignant neoplasm of breast . . . . . 174-175, 198.81  | 210                    | 2      | 208    | 9.7                        | 0.2     | 18.6    |
| 13                                    | Malignant neoplasm of female genital organs . . . . . 179-184, 198.6  | 157                    | ...    | 157    | 7.3                        | ...     | 14.1    |
| 14                                    | Malignant neoplasm of prostate . . . . . 185  | 118                    | 118    | ...    | 5.5                        | 11.4    | ...     |
| 15                                    | Malignant neoplasm of urinary organs . . . . . 188, 189, 198.0-198.1  | 131                    | 93     | 38     | 6.0                        | 8.9     | 3.4     |
| 16                                    | Leukemia . . . . . 204-208  | 53                     | 31     | 22     | 2.5                        | 3.0     | 2.0     |
| 17                                    | Other malignant neoplasm of hematopoietic tissue . . . . . 196, 200-203   | 109                    | 51     | 58     | 5.1                        | 4.9     | 5.2     |
| 18                                    | Malignant neoplasm of other and unspecified sites . . . . . 160-161, 163-165, 186-187, 190-195, 197.1-197.2, 198.3-198.4, 198.7, 198.82-199 | 205                    | 112    | 93     | 9.5                        | 10.7    | 8.3     |
| 19                                    | Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 210-239  | 656                    | 148    | 509    | 30.4                       | 14.2    | 45.6    |
| 20                                    | Benign neoplasm of the digestive system . . . . . 210-211   | 62                     | 31     | 32     | 2.9                        | 3.0     | 2.8     |
| 21                                    | Benign neoplasm of bone and connective tissue . . . . . 213-215   | 90                     | 30     | 60     | 4.2                        | 2.9     | 5.4     |
| 22                                    | Benign neoplasm of the breast . . . . . 217   | 53                     | ...    | 53     | 2.5                        | ...     | 4.7     |
| 23                                    | Benign neoplasm of the uterus . . . . . 218-219   | 171                    | ...    | 171    | 7.9                        | ...     | 15.4    |
| 24                                    | Benign neoplasm of other female genital organs . . . . . 220-221  | 30                     | ...    | 29     | 1.4                        | ...     | 2.6     |
| 25                                    | Other benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 212, 216, 222-239                                  | 250                    | 86     | 163    | 1.6                        | 8.3     | 14.6    |
| 26                                    | Class 3. Endocrine, nutritional and metabolic diseases, and immunity disorders . . . . . 240-279  | 1,057                  | 376    | 682    | 49.0                       | 36.1    | 61.0    |
| 27                                    | Diseases of the thyroid gland . . . . . 240-246   | 88                     | 13     | 75     | 4.1                        | 1.2     | 6.7     |
| 28                                    | Diabetes mellitus without complication . . . . . 250.0  | 364                    | 135    | 229    | 16.8                       | 12.9    | 20.5    |
| 29                                    | Diabetes mellitus with complication . . . . . 250.1-250.9   | 237                    | 92     | 145    | 11.0                       | 8.8     | 12.9    |
| 30                                    | Other diseases of the endocrine glands . . . . . 251-259  | 81                     | 27     | 54     | 3.8                        | 2.6     | 4.9     |
| 31                                    | Obesity . . . . . 278.0   | 58                     | 12     | 46     | 2.7                        | 1.1     | 4.2     |
| 32                                    | Other nutritional deficiencies and immunity disorders . . . . . 260-277, 278.1-279  | 230                    | 98     | 132    | 10.6                       | 9.4     | 11.8    |

See footnote at end of table.

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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>First-listed diagnoses—Con.</i> |             |               | <i>All-listed diagnoses</i> |             |               |                            |             |               |    |
|------------------------------------|-------------|---------------|-----------------------------|-------------|---------------|----------------------------|-------------|---------------|----|
| <i>Both sexes</i>                  | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>           | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>          | <i>Male</i> | <i>Female</i> |    |
| Average length of stay in days     |             |               | Number in thousands         |             |               | Rate per 10,000 population |             |               |    |
| 7.2                                | 7.7         | 6.9           | 86,117                      | 34,237      | 51,880        | 3,989.0                    | 3,286.3     | 4,644.4       | 01 |
| 7.2                                | 7.5         | 6.9           | 1,407                       | 616         | 791           | 65.2                       | 59.1        | 70.8          | 02 |
| 5.6                                | 5.2         | 5.9           | 437                         | 202         | 235           | 20.2                       | 19.4        | 21.0          | 03 |
| 8.4                                | 9.4         | 7.6           | 970                         | 414         | 556           | 44.9                       | 39.7        | 49.8          | 04 |
| 10.6                               | 11.4        | 10.1          | 4,014                       | 1,675       | 2,339         | 185.9                      | 160.8       | 209.4         | 05 |
| 12.3                               | 12.3        | 12.4          | 2,828                       | 1,395       | 1,433         | 131.0                      | 133.9       | 128.3         | 06 |
| 10.8                               | 10.9        | 10.7          | 57                          | 33          | 23            | 2.6                        | 3.2         | 2.1           | 07 |
| 16.1                               | 16.0        | 16.2          | 245                         | 115         | 130           | 11.3                       | 11.0        | 11.6          | 08 |
| 16.2                               | 15.8        | 16.8          | 274                         | 144         | 129           | 12.7                       | 13.8        | 11.5          | 09 |
| 12.7                               | 12.3        | 13.3          | 392                         | 256         | 137           | 18.2                       | 24.6        | 12.2          | 10 |
| 8.6                                | 8.2         | 9.0           | 261                         | 139         | 122           | 12.1                       | 13.3        | 10.9          | 11 |
| 11.1                               | 12.0        | 11.1          | 258                         | 2           | 256           | 12.0                       | 0.2         | 22.9          | 12 |
| 10.3                               | ...         | 10.3          | 192                         | ...         | 192           | 8.9                        | ...         | 17.2          | 13 |
| 10.9                               | 10.9        | ...           | 200                         | 200         | ...           | 9.3                        | 19.2        | ...           | 14 |
| 10.4                               | 10.0        | 11.6          | 166                         | 116         | 50            | 7.7                        | 11.1        | 4.5           | 15 |
| 12.7                               | 13.2        | 11.9          | 87                          | 49          | 38            | 4.0                        | 4.7         | 3.4           | 16 |
| 11.0                               | 18.8        | 11.1          | 212                         | 93          | 119           | 9.8                        | 8.9         | 10.7          | 17 |
| 13.7                               | 13.4        | 14.0          | 485                         | 248         | 237           | 22.5                       | 23.8        | 21.2          | 18 |
| 6.2                                | 6.1         | 6.2           | 1,186                       | 280         | 906           | 54.9                       | 26.9        | 81.1          | 19 |
| 5.2                                | 4.5         | 5.8           | 113                         | 55          | 57            | 5.2                        | 5.3         | 5.1           | 20 |
| 4.1                                | 4.5         | 3.8           | 153                         | 66          | 87            | 7.1                        | 6.3         | 7.8           | 21 |
| 2.4                                | 2.5         | 2.4           | 69                          | *1          | 68            | 3.2                        | *0.1        | 6.1           | 22 |
| 7.3                                | ...         | 7.3           | 340                         | ...         | 340           | 15.7                       | ...         | 30.4          | 23 |
| 7.6                                | ...         | 7.6           | 49                          | ...         | 49            | 2.3                        | ...         | 4.4           | 24 |
| 7.0                                | 7.2         | 7.0           | 463                         | 159         | 304           | 21.4                       | 15.3        | 27.2          | 25 |
| 9.5                                | 8.7         | 9.9           | 4,646                       | 1,734       | 2,912         | 215.2                      | 166.4       | 260.7         | 26 |
| 8.4                                | 7.2         | 8.7           | 339                         | 62          | 277           | 15.7                       | 6.0         | 24.8          | 27 |
| 9.4                                | 8.4         | 9.9           | 1,709                       | 672         | 1,036         | 79.2                       | 64.5        | 92.7          | 28 |
| 11.3                               | 10.8        | 11.6          | 427                         | 173         | 254           | 19.8                       | 16.6        | 22.8          | 29 |
| 7.1                                | 6.1         | 7.6           | 221                         | 74          | 148           | 10.2                       | 7.1         | 13.2          | 30 |
| 9.2                                | 7.2         | 9.8           | 639                         | 171         | 467           | 29.6                       | 16.4        | 41.8          | 31 |
| 9.1                                | 8.4         | 9.6           | 1,311                       | 581         | 729           | 60.7                       | 55.8        | 65.3          | 32 |

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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 |   | First-listed diagnoses |        |       |                            |        |       |
|---------------------------------------|---|------------------------|--------|-------|----------------------------|--------|-------|
|                                       |   | Both sexes             |        |       | Both sexes                 |        |       |
|                                       |   | Male                   | Female | Male  | Female                     | Female |       |
|                                       |   | Number in thousands    |        |       | Rate per 10,000 population |        |       |
| 33                                    | Class 4. Diseases of the blood and blood-forming organs . . . . . 280-289           | 348                    | 155    | 193   | 16.1                       | 14.8   | 17.3  |
| 34                                    | Anemias . . . . . 280-285   | 225                    | 91     | 134   | 10.4                       | 8.7    | 12.0  |
| 35                                    | Other diseases of the blood and blood-forming organs . . . . . 286-289              | 123                    | 64     | 60    | 5.7                        | 6.1    | 5.3   |
| 36                                    | Class 5. Mental disorders . . . . . 290-319   | 1,723                  | 887    | 836   | 79.8                       | 85.2   | 74.9  |
| 37                                    | Organic psychotic conditions. . . . . 290-294                                       | 96                     | 61     | 34    | 4.4                        | 5.9    | 3.1   |
| 38                                    | Schizophrenic disorders . . . . . 295   | 219                    | 110    | 109   | 10.1                       | 10.5   | 9.8   |
| 39                                    | Other psychoses . . . . . 296-299   | 197                    | 75     | 123   | 9.1                        | 7.2    | 11.0  |
| 40                                    | Anxiety states . . . . . 300.0  | 81                     | 27     | 54    | 3.7                        | 2.5    | 4.9   |
| 41                                    | Other neuroses and personality disorders . . . . . 300.1-301                        | 290                    | 96     | 194   | 13.4                       | 9.2    | 17.4  |
| 42                                    | Alcohol dependence syndrome. . . . . 303  | 439                    | 341    | 98    | 20.3                       | 32.8   | 8.8   |
| 43                                    | Drug dependence . . . . . 304   | 25                     | 18     | 7     | 1.2                        | 1.8    | 0.6   |
| 44                                    | Nondependent abuse of drugs (including alcohol) . . . . . 305                       | 64                     | 42     | 22    | 3.0                        | 4.1    | 2.0   |
| 45                                    | Other mental disorders and mental retardation. . . . . 302, 306-319                 | 313                    | 117    | 196   | 14.5                       | 11.3   | 17.5  |
| 46                                    | Class 6. Diseases of the nervous system and sense organs . . . . . 320-389          | 1,626                  | 714    | 912   | 75.3                       | 68.5   | 81.7  |
| 47                                    | Epilepsy. . . . . 345   | 64                     | 35     | 30    | 3.0                        | 3.3    | 2.7   |
| 48                                    | Other disorders of the central nervous system . . . . . 320-336, 340-344, 346-349   | 309                    | 138    | 171   | 14.3                       | 13.2   | 15.3  |
| 49                                    | Disorders of the peripheral nervous system. . . . . 337, 350-359                    | 217                    | 76     | 141   | 10.1                       | 7.3    | 12.6  |
| 50                                    | Cataract . . . . . 366  | 383                    | 155    | 228   | 17.7                       | 14.8   | 20.4  |
| 51                                    | Other disorders of the eye . . . . . 360-365, 367-379                               | 273                    | 121    | 153   | 12.6                       | 11.6   | 13.7  |
| 52                                    | Otitis media and eustachian tube disorders . . . . . 381-382                        | 228                    | 124    | 104   | 10.6                       | 11.9   | 9.3   |
| 53                                    | Other diseases of the ear and mastoid process . . . . . 380, 383-389                | 152                    | 66     | 85    | 7.0                        | 6.3    | 7.7   |
| 54                                    | Class 7. Diseases of the circulatory system . . . . . 390-459                       | 4,907                  | 2,471  | 2,436 | 227.3                      | 237.2  | 218.1 |
| 55                                    | Essential hypertension. . . . . 401   | 298                    | 118    | 181   | 13.8                       | 11.3   | 16.2  |
| 56                                    | Heart disease. . . . . 391-392.0, 393-398, 402, 404, 410-429                        | 3,065                  | 1,640  | 1,425 | 142.0                      | 157.4  | 127.6 |
| 57                                    | Hypertensive heart disease . . . . . 402, 404                                       | 132                    | 52     | 80    | 6.1                        | 5.0    | 7.2   |
| 58                                    | Acute myocardial infarction. . . . . 410  | 433                    | 271    | 162   | 20.1                       | 26.0   | 14.5  |
| 59                                    | Other acute and subacute forms of ischemic heart disease . . . . . 411              | 147                    | 72     | 75    | 6.8                        | 6.9    | 6.7   |
| 60                                    | Angina pectoris . . . . . 413   | 192                    | 100    | 92    | 8.9                        | 9.6    | 8.2   |
| 61                                    | Coronary atherosclerosis . . . . . 414.0  | 592                    | 317    | 275   | 27.4                       | 30.4   | 24.6  |
| 62                                    | Other chronic ischemic heart disease . . . . . 412, 414.1-414.9                     | 374                    | 254    | 121   | 17.3                       | 24.3   | 10.8  |
| 63                                    | Pulmonary heart disease . . . . . 415-416   | 81                     | 38     | 44    | 3.8                        | 3.6    | 3.9   |
| 64                                    | Cardiac dysrhythmias . . . . . 427  | 331                    | 162    | 169   | 15.3                       | 15.5   | 15.1  |
| 65                                    | Congestive heart failure . . . . . 428.0  | 377                    | 174    | 204   | 17.5                       | 16.7   | 18.2  |
| 66                                    | Cardiovascular disease, unspecified . . . . . 429.2                                 | 108                    | 51     | 57    | 5.0                        | 4.9    | 5.1   |
| 67                                    | Other heart disease. . . . . 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9 | 297                    | 148    | 149   | 13.7                       | 14.2   | 13.3  |
| 68                                    | Intracranial hemorrhage . . . . . 430-432   | 48                     | 21     | 28    | 2.2                        | 2.0    | 2.5   |
| 69                                    | Occlusion of cerebral arteries . . . . . 434  | 98                     | 49     | 50    | 4.6                        | 4.7    | 4.5   |
| 70                                    | Transient cerebral ischemia . . . . . 435   | 170                    | 74     | 96    | 7.9                        | 7.1    | 8.6   |
| 71                                    | Acute, but ill-defined, cerebrovascular disease . . . . . 436                       | 223                    | 102    | 121   | 10.3                       | 9.8    | 10.8  |
| 72                                    | Other cerebrovascular disease . . . . . 433, 437-438                                | 207                    | 90     | 117   | 9.6                        | 8.7    | 10.4  |
| 73                                    | Atherosclerosis. . . . . 440  | 106                    | 55     | 51    | 4.9                        | 5.3    | 4.6   |
| 74                                    | Aneurysm. . . . . 441-442   | 51                     | 38     | 13    | 2.4                        | 3.6    | 1.2   |
| 75                                    | Other diseases of arteries, arterioles, and capillaries. . . . . 443-448            | 119                    | 65     | 54    | 5.5                        | 6.2    | 4.9   |

See footnote at end of table.

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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>First-listed diagnoses—Con.</i> |             |               | <i>All-listed diagnoses</i> |             |               |                            |             |               |    |
|------------------------------------|-------------|---------------|-----------------------------|-------------|---------------|----------------------------|-------------|---------------|----|
| <i>Both sexes</i>                  | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>           | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>          | <i>Male</i> | <i>Female</i> |    |
| Average length of stay in days     |             |               | Number in thousands         |             |               | Rate per 10,000 population |             |               |    |
| 7.3                                | 6.7         | 7.7           | 1,408                       | 560         | 848           | 65.2                       | 53.8        | 75.9          | 33 |
| 8.0                                | 7.3         | 8.5           | 1,083                       | 395         | 688           | 50.2                       | 37.9        | 61.6          | 34 |
| 5.9                                | 6.0         | 5.8           | 325                         | 164         | 161           | 15.1                       | 15.7        | 14.4          | 35 |
| 11.0                               | 10.5        | 11.6          | 3,856                       | 1,879       | 1,977         | 178.6                      | 180.4       | 177.0         | 36 |
| 9.7                                | 8.3         | 12.3          | 251                         | 154         | 97            | 11.6                       | 14.8        | 8.7           | 37 |
| 15.8                               | 14.7        | 17.0          | 271                         | 132         | 140           | 12.6                       | 12.7        | 12.5          | 38 |
| 15.5                               | 14.7        | 15.9          | 322                         | 121         | 201           | 14.9                       | 11.6        | 18.0          | 39 |
| 5.4                                | 4.7         | 5.7           | 296                         | 95          | 201           | 13.7                       | 9.1         | 18.0          | 40 |
| 11.3                               | 11.3        | 11.4          | 667                         | 222         | 446           | 30.9                       | 21.3        | 39.9          | 41 |
| 9.3                                | 9.3         | 9.2           | 821                         | 628         | 193           | 38.0                       | 60.3        | 17.3          | 42 |
| 15.4                               | 16.0        | 13.9          | 74                          | 46          | 29            | 3.4                        | 4.4         | 2.6           | 43 |
| 4.9                                | 4.8         | 5.2           | 206                         | 128         | 78            | 9.5                        | 12.3        | 7.0           | 44 |
| 9.7                                | 10.2        | 9.4           | 947                         | 354         | 594           | 43.9                       | 34.0        | 53.2          | 45 |
| 5.5                                | 5.5         | 5.4           | 3,624                       | 1,632       | 1,993         | 167.9                      | 156.7       | 178.4         | 46 |
| 5.7                                | 5.9         | 5.5           | 130                         | 67          | 63            | 6.0                        | 6.4         | 5.6           | 47 |
| 11.6                               | 12.1        | 11.1          | 983                         | 461         | 521           | 45.5                       | 94.3        | 46.6          | 48 |
| 6.1                                | 6.8         | 5.7           | 470                         | 191         | 279           | 21.8                       | 18.3        | 25.0          | 49 |
| 3.8                                | 3.8         | 3.9           | 469                         | 190         | 278           | 21.7                       | 18.2        | 24.9          | 50 |
| 3.7                                | 3.7         | 3.7           | 750                         | 315         | 436           | 34.7                       | 30.2        | 39.0          | 51 |
| 2.4                                | 2.4         | 2.5           | 450                         | 243         | 207           | 20.8                       | 23.3        | 18.5          | 52 |
| 4.0                                | 3.6         | 4.3           | 373                         | 164         | 209           | 17.3                       | 15.7        | 18.7          | 53 |
| 9.9                                | 9.6         | 10.2          | 15,559                      | 7,449       | 8,111         | 720.7                      | 715.0       | 726.1         | 54 |
| 6.7                                | 6.7         | 6.7           | 1,705                       | 672         | 1,033         | 79.0                       | 64.5        | 92.5          | 55 |
| 9.6                                | 9.2         | 10.0          | 9,529                       | 4,781       | 4,747         | 441.4                      | 458.9       | 425.0         | 56 |
| 9.5                                | 9.5         | 9.5           | 441                         | 166         | 274           | 20.4                       | 15.9        | 24.5          | 57 |
| 12.6                               | 12.5        | 12.8          | 688                         | 423         | 266           | 31.9                       | 40.6        | 23.8          | 58 |
| 7.6                                | 7.2         | 8.1           | 332                         | 171         | 161           | 15.4                       | 16.4        | 14.4          | 59 |
| 6.1                                | 5.6         | 6.5           | 601                         | 309         | 292           | 27.8                       | 29.7        | 26.1          | 60 |
| 9.7                                | 8.9         | 10.6          | 1,837                       | 901         | 936           | 85.1                       | 86.5        | 83.8          | 61 |
| 8.5                                | 8.0         | 9.6           | 1,183                       | 716         | 467           | 54.8                       | 68.7        | 41.8          | 62 |
| 13.7                               | 12.9        | 14.4          | 234                         | 121         | 113           | 10.8                       | 11.6        | 10.1          | 63 |
| 7.6                                | 7.5         | 7.7           | 1,274                       | 640         | 635           | 59.0                       | 61.4        | 56.8          | 64 |
| 10.7                               | 10.4        | 11.0          | 1,216                       | 556         | 660           | 56.3                       | 53.4        | 59.1          | 65 |
| 9.5                                | 8.3         | 10.5          | 485                         | 212         | 272           | 22.5                       | 20.3        | 24.4          | 66 |
| 9.2                                | 9.1         | 9.3           | 1,238                       | 567         | 671           | 57.3                       | 54.4        | 60.1          | 67 |
| 14.6                               | 14.8        | 14.4          | 68                          | 31          | 37            | 3.1                        | 3.0         | 3.3           | 68 |
| 17.6                               | 17.7        | 17.6          | 167                         | 82          | 85            | 7.7                        | 7.9         | 7.6           | 69 |
| 7.4                                | 6.7         | 7.8           | 290                         | 125         | 165           | 13.4                       | 12.0        | 14.8          | 70 |
| 14.6                               | 14.3        | 14.8          | 352                         | 165         | 186           | 16.3                       | 15.8        | 16.7          | 71 |
| 11.0                               | 10.3        | 11.6          | 748                         | 331         | 417           | 34.6                       | 31.8        | 37.3          | 72 |
| 13.2                               | 13.3        | 13.1          | 1,022                       | 451         | 571           | 47.3                       | 43.3        | 51.1          | 73 |
| 11.4                               | 12.2        | 9.3           | 125                         | 81          | 44            | 5.8                        | 7.8         | 3.9           | 74 |
| 13.1                               | 12.5        | 13.8          | 367                         | 198         | 169           | 17.0                       | 19.0        | 15.1          | 75 |

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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 | First-listed diagnoses   |                     |            |            |                            |            |       |       |
|---------------------------------------|--|---------------------|------------|------------|----------------------------|------------|-------|-------|
|                                       | Both sexes   |                     |            | Both sexes |                            |            |       |       |
|                                       | Male   | Female              | Both sexes | Male       | Female                     | Both sexes |       |       |
|                                       |  | Number in thousands |            |            | Rate per 10,000 population |            |       |       |
| 76                                    | Phlebitis and thrombophlebitis . . . . .   | 451                 | 141        | 49         | 93                         | 6.5        | 4.7   | 8.3   |
| 77                                    | Varicose veins of lower extremities . . . . .  | 454                 | 88         | 28         | 60                         | 4.1        | 2.7   | 5.3   |
| 78                                    | Hemorrhoids . . . . .  | 455                 | 159        | 77         | 82                         | 7.4        | 7.4   | 7.3   |
| 79                                    | Other diseases of the circulatory system . . . . . 390, 392.9, 403, 405, 417, 452-453, 456-459 |                     | 132        | 66         | 66                         | 6.1        | 6.4   | 5.9   |
| 80                                    | Class 8. Diseases of the respiratory system . . . . . 460-519                                  |                     | 3,309      | 1,679      | 1,630                      | 153.3      | 161.2 | 145.9 |
| 81                                    | Acute bronchitis and bronchiolitis . . . . .   | 466                 | 236        | 112        | 124                        | 10.9       | 10.7  | 11.1  |
| 82                                    | Other acute upper respiratory infections, except influenza . . . . . 460-465                   |                     | 298        | 150        | 149                        | 13.8       | 14.4  | 13.3  |
| 83                                    | Deviated nasal septum . . . . .  | 470                 | 102        | 59         | 43                         | 4.7        | 5.7   | 3.8   |
| 84                                    | Chronic disease of tonsils and adenoids . . . . .  | 474                 | 497        | 215        | 282                        | 23.0       | 20.6  | 25.3  |
| 85                                    | Pneumonia, all forms . . . . . 480-486   |                     | 756        | 403        | 353                        | 35.0       | 38.7  | 31.6  |
| 86                                    | Influenza . . . . .  | 487                 | 67         | 28         | 40                         | 3.1        | 2.6   | 3.6   |
| 87                                    | Bronchitis, chronic and unspecified . . . . . 490-491  |                     | 227        | 114        | 113                        | 10.5       | 10.9  | 10.1  |
| 88                                    | Emphysema . . . . .  | 492                 | 57         | 43         | 14                         | 2.6        | 4.1   | 1.3   |
| 89                                    | Asthma . . . . .   | 493                 | 339        | 143        | 196                        | 15.7       | 13.8  | 17.5  |
| 90                                    | Pleurisy . . . . .   | 511                 | 54         | 26         | 28                         | 2.5        | 2.5   | 2.5   |
| 91                                    | Other diseases of the respiratory system . . . . . 471-473, 475-478, 494-496, 500-510, 512-519 |                     | 675        | 387        | 288                        | 31.3       | 37.2  | 25.8  |
| 92                                    | Class 9. Diseases of the digestive system . . . . . 520-579                                    |                     | 4,604      | 2,195      | 2,409                      | 213.3      | 210.7 | 215.6 |
| 93                                    | Disturbance of tooth eruption . . . . .  | 520.6               | 112        | 46         | 66                         | 5.2        | 4.4   | 5.9   |
| 94                                    | Other diseases of the teeth, jaw and mouth . . . . . 520.0-520.5, 520.7-529                    |                     | 169        | 78         | 92                         | 7.9        | 7.4   | 8.2   |
| 95                                    | Diseases of the esophagus . . . . .  | 530                 | 122        | 57         | 65                         | 5.6        | 5.5   | 5.8   |
| 96                                    | Gastric ulcer . . . . .  | 531                 | 104        | 40         | 65                         | 4.8        | 3.8   | 5.8   |
| 97                                    | Duodenal ulcer . . . . .   | 532                 | 162        | 106        | 57                         | 7.5        | 10.1  | 5.1   |
| 98                                    | Other and unspecified peptic ulcer . . . . . 533-534   |                     | 89         | 49         | 41                         | 4.1        | 4.7   | 3.7   |
| 99                                    | Gastritis and duodenitis . . . . .   | 535                 | 298        | 140        | 158                        | 13.8       | 13.5  | 14.2  |
| 100                                   | Other diseases of the stomach . . . . . 536-537  |                     | 92         | 36         | 56                         | 4.3        | 3.5   | 5.0   |
| 101                                   | Acute appendicitis without mention of peritonitis . . . . .                                    | 540.9               | 178        | 107        | 71                         | 8.2        | 10.3  | 6.3   |
| 102                                   | Other appendicitis and other diseases of the appendix . . . . . 540.0-540.1, 541-543           |                     | 100        | 51         | 49                         | 4.6        | 4.9   | 4.4   |
| 103                                   | Inguinal hernia . . . . .  | 550                 | 475        | 427        | 48                         | 22.0       | 40.9  | 4.3   |
| 104                                   | Other hernia of abdominal cavity . . . . . 551-553   |                     | 307        | 109        | 198                        | 14.2       | 10.5  | 17.7  |
| 105                                   | Regional enteritis and idiopathic proctocolitis . . . . . 555-556                              |                     | 57         | 23         | 35                         | 2.6        | 2.2   | 3.1   |
| 106                                   | Other noninfectious gastroenteritis and colitis . . . . .                                      | 558                 | 558        | 236        | 322                        | 25.9       | 22.7  | 28.8  |
| 107                                   | Intestinal obstruction without mention of hernia . . . . .                                     | 560                 | 152        | 59         | 94                         | 7.1        | 5.6   | 8.4   |
| 108                                   | Diverticula of intestine . . . . .   | 562                 | 205        | 68         | 137                        | 9.5        | 6.5   | 12.3  |
| 109                                   | Other functional digestive disorders of intestines . . . . .                                   | 564                 | 138        | 38         | 100                        | 6.4        | 3.6   | 9.0   |
| 110                                   | Anal fissure, fistula, and abscess . . . . . 565-566   |                     | 92         | 58         | 34                         | 4.3        | 5.6   | 3.0   |
| 111                                   | Other disorders of intestine and peritoneum . . . . . 557, 567-569                             |                     | 163        | 60         | 103                        | 7.6        | 5.8   | 9.2   |
| 112                                   | Chronic liver disease and cirrhosis . . . . .  | 571                 | 102        | 59         | 43                         | 4.7        | 5.6   | 3.9   |
| 113                                   | Other diseases of the liver . . . . . 570, 572-573   |                     | 51         | 28         | 24                         | 2.4        | 2.6   | 2.1   |
| 114                                   | Cholelithiasis . . . . .   | 574                 | 447        | 122        | 324                        | 20.7       | 11.7  | 29.0  |
| 115                                   | Cholecystitis . . . . . 575.0-575.1  |                     | 115        | 35         | 80                         | 5.3        | 3.3   | 7.2   |
| 116                                   | Other disorders of gallbladder and biliary tract . . . . . 575.2-576                           |                     | 46         | 18         | 28                         | 2.1        | 1.7   | 2.5   |
| 117                                   | Diseases of the pancreas . . . . .   | 577                 | 117        | 69         | 48                         | 5.4        | 6.6   | 4.3   |
| 118                                   | Gastrointestinal hemorrhage and intestinal malabsorption . . . . . 578-579                     |                     | 150        | 78         | 72                         | 7.0        | 7.5   | 6.5   |

See footnote at end of table.

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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>First-listed diagnoses—Con.</i> |             |               | <i>All-listed diagnoses</i> |             |               |                            |             |               |     |
|------------------------------------|-------------|---------------|-----------------------------|-------------|---------------|----------------------------|-------------|---------------|-----|
| <i>Both sexes</i>                  | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>           | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>          | <i>Male</i> | <i>Female</i> |     |
| Average length of stay in days     |             |               | Number in thousands         |             |               | Rate per 10,000 population |             |               |     |
| 10.5                               | 9.4         | 11.1          | 221                         | 80          | 140           | 10.2                       | 7.7         | 12.5          | 76  |
| 8.2                                | 8.0         | 8.3           | 150                         | 53          | 98            | 6.9                        | 5.1         | 8.8           | 77  |
| 6.0                                | 5.9         | 6.2           | 400                         | 194         | 206           | 18.5                       | 18.6        | 18.4          | 78  |
| 8.9                                | 8.6         | 9.2           | 416                         | 204         | 212           | 19.3                       | 19.6        | 19.0          | 79  |
| 6.2                                | 6.2         | 6.1           | 6,322                       | 3,349       | 2,973         | 292.8                      | 321.5       | 266.1         | 80  |
| 5.8                                | 5.5         | 6.1           | 333                         | 157         | 176           | 15.4                       | 15.1        | 15.8          | 81  |
| 3.9                                | 3.7         | 4.1           | 528                         | 261         | 267           | 24.5                       | 25.1        | 23.9          | 82  |
| 3.0                                | 2.7         | 3.4           | 156                         | 82          | 74            | 7.2                        | 7.9         | 6.6           | 83  |
| 2.0                                | 1.8         | 2.1           | 614                         | 274         | 340           | 28.4                       | 26.3        | 30.4          | 84  |
| 8.0                                | 7.8         | 8.2           | 1,138                       | 620         | 518           | 52.7                       | 59.5        | 46.4          | 85  |
| 4.9                                | 4.5         | 5.2           | 89                          | 35          | 53            | 4.1                        | 3.4         | 4.7           | 86  |
| 7.1                                | 6.8         | 7.4           | 501                         | 254         | 247           | 23.2                       | 24.4        | 22.1          | 87  |
| 9.8                                | 9.9         | 9.5           | 262                         | 179         | 83            | 12.1                       | 17.2        | 7.4           | 88  |
| 6.1                                | 5.5         | 6.5           | 513                         | 214         | 299           | 23.8                       | 20.5        | 26.8          | 89  |
| 8.7                                | 8.4         | 9.0           | 194                         | 89          | 105           | 9.0                        | 8.5         | 9.4           | 90  |
| 8.2                                | 8.3         | 8.0           | 1,994                       | 1,184       | 810           | 92.4                       | 113.6       | 72.5          | 91  |
| 6.9                                | 6.5         | 7.4           | 8,518                       | 3,884       | 4,634         | 394.6                      | 372.8       | 414.8         | 92  |
| 1.9                                | 1.8         | 1.9           | 130                         | 54          | 76            | 6.0                        | 5.2         | 6.8           | 93  |
| 3.1                                | 3.0         | 3.2           | 338                         | 164         | 175           | 15.7                       | 15.7        | 15.7          | 94  |
| 6.9                                | 7.0         | 6.8           | 391                         | 166         | 226           | 18.1                       | 15.9        | 20.2          | 95  |
| 8.9                                | 8.8         | 8.9           | 160                         | 65          | 95            | 7.4                        | 6.2         | 8.5           | 96  |
| 7.7                                | 7.6         | 8.1           | 258                         | 160         | 98            | 12.0                       | 15.4        | 8.8           | 97  |
| 7.0                                | 6.6         | 7.5           | 180                         | 100         | 80            | 8.3                        | 9.6         | 7.2           | 98  |
| 5.3                                | 5.1         | 5.6           | 593                         | 276         | 317           | 27.5                       | 26.5        | 28.4          | 99  |
| 6.4                                | 6.8         | 6.1           | 195                         | 80          | 115           | 9.0                        | 7.7         | 10.3          | 100 |
| 4.6                                | 4.3         | 4.9           | 184                         | 110         | 74            | 8.5                        | 10.6        | 6.6           | 101 |
| 8.0                                | 8.2         | 7.9           | 145                         | 66          | 79            | 6.7                        | 6.3         | 7.1           | 102 |
| 4.9                                | 4.9         | 5.2           | 569                         | 510         | 58            | 26.4                       | 49.0        | 5.2           | 103 |
| 6.7                                | 6.3         | 6.9           | 786                         | 291         | 496           | 36.4                       | 27.9        | 44.4          | 104 |
| 12.1                               | 11.5        | 12.4          | 88                          | 36          | 52            | 4.1                        | 3.5         | 9.7           | 105 |
| 4.7                                | 4.2         | 5.1           | 741                         | 314         | 427           | 34.3                       | 30.1        | 38.2          | 106 |
| 10.0                               | 8.9         | 10.7          | 289                         | 112         | 177           | 13.4                       | 10.8        | 15.8          | 107 |
| 8.7                                | 8.3         | 9.0           | 544                         | 187         | 358           | 25.2                       | 17.9        | 32.0          | 108 |
| 5.5                                | 5.1         | 5.6           | 316                         | 94          | 222           | 14.6                       | 9.0         | 19.9          | 109 |
| 5.3                                | 5.3         | 5.3           | 147                         | 85          | 62            | 6.8                        | 8.2         | 5.6           | 110 |
| 8.1                                | 8.2         | 8.0           | 512                         | 176         | 336           | 23.7                       | 16.9        | 30.1          | 111 |
| 12.5                               | 11.5        | 13.9          | 312                         | 192         | 120           | 14.5                       | 18.4        | 10.7          | 112 |
| 11.2                               | 10.9        | 11.6          | 167                         | 89          | 78            | 7.7                        | 8.5         | 7.0           | 113 |
| 9.8                                | 10.6        | 9.5           | 673                         | 193         | 481           | 31.2                       | 18.5        | 43.1          | 114 |
| 9.4                                | 8.8         | 9.6           | 171                         | 55          | 115           | 7.9                        | 5.3         | 10.3          | 115 |
| 10.3                               | 10.4        | 10.2          | 125                         | 47          | 78            | 5.8                        | 4.5         | 7.0           | 116 |
| 9.9                                | 9.5         | 10.3          | 196                         | 109         | 87            | 9.1                        | 10.5        | 7.8           | 117 |
| 8.2                                | 7.7         | 8.8           | 306                         | 155         | 151           | 14.2                       | 14.9        | 13.5          | 118 |

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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   | First-listed diagnoses |       |        |                            |       |        |
|---|------------------------|-------|--------|----------------------------|-------|--------|
|   | Number in thousands    |       |        | Rate per 10,000 population |       |        |
|   | Both sexes             | Male  | Female | Both sexes                 | Male  | Female |
| 119 Class 10. Diseases of the genitourinary system . . . . . 580-629  | 3,514                  | 1,042 | 2,472  | 162.8                      | 100.1 | 221.3  |
| 120 Nephritis, nephrotic syndrome, and nephrosis . . . . . 580-589  | 133                    | 71    | 62     | 6.1                        | 6.8   | 5.6    |
| 121 Infections of kidney . . . . . 590  | 112                    | 17    | 96     | 5.2                        | 1.6   | 8.6    |
| 122 Calculus of kidney and ureter . . . . . 592   | 290                    | 197   | 93     | 13.4                       | 18.9  | 8.3    |
| 123 Cystitis . . . . . 595  | 120                    | 25    | 95     | 5.6                        | 2.4   | 8.5    |
| 124 Urethral stricture . . . . . 598  | 84                     | 48    | 36     | 3.9                        | 4.6   | 3.3    |
| 125 Other disorders of urinary system . . . . . 591, 593-594, 596-597, 599  | 453                    | 203   | 250    | 21.0                       | 19.5  | 22.4   |
| 126 Hyperplasia of prostate . . . . . 600   | 235                    | 235   | ...    | 10.9                       | 22.6  | ...    |
| 127 Other disorders of the male genital organs . . . . . 601-608  | 228                    | 228   | ...    | 10.6                       | 21.9  | ...    |
| 128 Benign mammary dysplasia . . . . . 610  | 137                    | *1    | 136    | 6.4                        | *0.1  | 12.2   |
| 129 Inflammatory disease of breast . . . . . 611  | 84                     | 18    | 67     | 3.9                        | 1.7   | 6.0    |
| 130 Cervicitis and endocervicitis . . . . . 616.0   | 51                     | ...   | 51     | 2.3                        | ...   | 4.5    |
| 131 Other inflammatory disease of female pelvic organs . . . . . 614-615, 616.1-616.9   | 259                    | ...   | 259    | 12.0                       | ...   | 23.2   |
| 132 Endometriosis . . . . . 617   | 106                    | ...   | 106    | 4.9                        | ...   | 9.5    |
| 133 Genital prolapse (female) . . . . . 618   | 183                    | ...   | 183    | 8.5                        | ...   | 16.4   |
| 134 Disorders of menstruation and other abnormal vaginal bleeding . . . . . 626   | 450                    | ...   | 450    | 20.8                       | ...   | 40.3   |
| 135 Menopausal and postmenopausal disorders . . . . . 627   | 80                     | ...   | 80     | 3.7                        | ...   | 7.1    |
| 136 Other disruptions of the female genital tract . . . . . 619-625, 628-629  | 508                    | ...   | 508    | 23.6                       | ...   | 45.5   |
| 137 Class 11. Complications of pregnancy, childbirth, and the puerperium <sup>1</sup> . . . . . 630-676                           | 987                    | ...   | 987    | 45.8                       | ...   | 88.5   |
| 138 Ectopic pregnancy . . . . . 633   | 46                     | ...   | 46     | 2.1                        | ...   | 4.2    |
| 139 Induced abortion . . . . . 635-636  | 189                    | ...   | 189    | 8.8                        | ...   | 16.9   |
| 140 Other pregnancy with abortive outcome . . . . . 630-632, 634, 637-639   | 300                    | ...   | 300    | 13.9                       | ...   | 26.9   |
| 141 Antepartum hemorrhage, abruptio placentae, and placenta previa . . . . . 641  | 29                     | ...   | 29     | 1.4                        | ...   | 2.6    |
| 142 Hypertension complicating pregnancy, childbirth, and the puerperium . . . . . 642   | 30                     | ...   | 30     | 1.4                        | ...   | 2.7    |
| 143 False labor . . . . . 644.1   | 131                    | ...   | 131    | 6.0                        | ...   | 11.7   |
| 144 Fetopelvic disproportion . . . . . 653.4  | *0                     | ...   | *0     | *0.0                       | ...   | *0.0   |
| 145 Uterine scar from previous surgery . . . . . 654.2  | 3                      | ...   | 3      | 0.1                        | ...   | 0.3    |
| 146 Rupture of membranes . . . . . 658.1-658.3  | 12                     | ...   | 12     | 0.5                        | ...   | 1.0    |
| 147 Umbilical cord complications . . . . . 663  | *0                     | ...   | *0     | *0.0                       | ...   | *0.0   |
| 148 Trauma to perineum and vulva during delivery . . . . . 664  | 2                      | ...   | 2      | 0.1                        | ...   | 0.2    |
| 149 Other complications of pregnancy . . . . . 640, 643-644.0, 644.2-648, 651-653.3, 635.5-654.1, 654.3-658.0, 658.4-662, 665-676 | 245                    | ...   | 245    | 11.4                       | ...   | 22.0   |
| 150 Delivery without mention of complication . . . . . 650  | ...                    | ...   | ...    | ...                        | ...   | ...    |
| 151 Complications of delivery . . . . . 640-648, 651-676, with 5th digit 1 or 2   | ...                    | ...   | ...    | ...                        | ...   | ...    |
| 152 Class 12. Diseases of the skin and subcutaneous tissue . . . . . 680-709  | 600                    | 284   | 316    | 27.8                       | 27.3  | 28.3   |
| 153 Cellulitis and abscess, except of digit . . . . . 682   | 176                    | 100   | 76     | 8.1                        | 9.6   | 6.8    |
| 154 Pilonidal cyst . . . . . 685  | 64                     | 29    | 34     | 3.0                        | 2.8   | 3.1    |
| 155 Other infections of the skin and subcutaneous tissue . . . . . 680-681, 683-684, 686  | 64                     | 35    | 29     | 3.0                        | 3.4   | 2.6    |
| 156 Other diseases of the skin and subcutaneous tissue . . . . . 690-709  | 296                    | 120   | 176    | 13.7                       | 11.5  | 15.8   |

See footnote at end of table.



Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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>First-listed diagnoses—Con.</i> |             |               | <i>All-listed diagnoses</i> |             |               |                            |             |               |     |
|------------------------------------|-------------|---------------|-----------------------------|-------------|---------------|----------------------------|-------------|---------------|-----|
| <i>Both sexes</i>                  | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>           | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>          | <i>Male</i> | <i>Female</i> |     |
| Average length of stay in days     |             |               | Number in thousands         |             |               | Rate per 10,000 population |             |               |     |
| 5.7                                | 6.8         | 5.3           | 7,486                       | 2,183       | 5,304         | 346.8                      | 209.5       | 904.8         | 119 |
| 12.4                               | 12.9        | 11.9          | 452                         | 225         | 227           | 20.9                       | 21.6        | 20.3          | 120 |
| 7.5                                | 12.5        | 6.6           | 216                         | 40          | 176           | 10.0                       | 3.8         | 15.8          | 121 |
| 5.3                                | 4.9         | 6.2           | 373                         | 245         | 128           | 17.3                       | 23.5        | 11.5          | 122 |
| 5.5                                | 5.3         | 5.5           | 296                         | 69          | 227           | 13.7                       | 6.6         | 20.3          | 123 |
| 4.4                                | 5.1         | 3.6           | 189                         | 92          | 97            | 8.8                        | 8.8         | 8.7           | 124 |
| 6.7                                | 7.3         | 6.2           | 1,429                       | 601         | 828           | 66.2                       | 57.7        | 74.1          | 125 |
| 9.4                                | 9.4         | ...           | 455                         | 455         | ...           | 21.1                       | 43.7        | ...           | 126 |
| 4.0                                | 4.0         | ...           | 430                         | 430         | ...           | 19.9                       | 41.3        | ...           | 127 |
| 3.3                                | *3.8        | 3.3           | 196                         | *2          | 194           | 9.1                        | *0.2        | 17.4          | 128 |
| 3.5                                | 3.6         | 3.5           | 132                         | 24          | 108           | 6.1                        | 2.3         | 9.7           | 129 |
| 4.5                                | ...         | 4.5           | 211                         | ...         | 211           | 9.8                        | ...         | 18.9          | 130 |
| 5.6                                | ...         | 5.6           | 560                         | ...         | 560           | 25.9                       | ...         | 50.1          | 131 |
| 6.2                                | ...         | 6.2           | 293                         | ...         | 293           | 13.6                       | ...         | 26.3          | 132 |
| 8.3                                | ...         | 8.3           | 343                         | ...         | 343           | 15.9                       | ...         | 30.7          | 133 |
| 3.4                                | ...         | 3.4           | 621                         | ...         | 621           | 28.8                       | ...         | 55.6          | 134 |
| 3.1                                | ...         | 3.1           | 113                         | ...         | 113           | 5.2                        | ...         | 10.1          | 135 |
| 5.1                                | ...         | 5.1           | 1,176                       | ...         | 1,176         | 54.5                       | ...         | 105.3         | 136 |
| 2.5                                | ...         | 2.5           | 5,456                       | ...         | 5,456         | 252.7                      | ...         | 488.4         | 137 |
| 5.9                                | ...         | 5.9           | 50                          | ...         | 50            | 2.3                        | ...         | 4.5           | 138 |
| 1.6                                | ...         | 1.6           | 203                         | ...         | 203           | 9.4                        | ...         | 18.2          | 139 |
| 2.0                                | ...         | 2.0           | 317                         | ...         | 317           | 14.7                       | ...         | 28.4          | 140 |
| 3.0                                | ...         | 3.0           | 93                          | ...         | 93            | 4.3                        | ...         | 8.3           | 141 |
| 4.1                                | ...         | 4.1           | 168                         | ...         | 168           | 7.8                        | ...         | 15.0          | 142 |
| 1.2                                | ...         | 1.2           | 133                         | ...         | 133           | 6.2                        | ...         | 11.9          | 143 |
| *1.0                               | ...         | *1.0          | 141                         | ...         | 141           | 6.5                        | ...         | 12.6          | 144 |
| 1.6                                | ...         | 1.6           | 198                         | ...         | 198           | 9.2                        | ...         | 17.7          | 145 |
| 3.8                                | ...         | 3.8           | 146                         | ...         | 146           | 6.8                        | ...         | 13.1          | 146 |
| *1.0                               | ...         | 1.0           | 56                          | ...         | 56            | 2.6                        | ...         | 5.0           | 147 |
| 2.4                                | ...         | 2.4           | 304                         | ...         | 304           | 14.1                       | ...         | 27.2          | 148 |
| 3.7                                | ...         | 3.7           | 1,863                       | ...         | 1,863         | 86.3                       | ...         | 166.8         | 149 |
| ...                                | ...         | ...           | 1,785                       | ...         | 1,785         | 82.7                       | ...         | 159.8         | 150 |
| ...                                | ...         | ...           | 2,498                       | ...         | 2,498         | 115.7                      | ...         | 223.6         | 151 |
| 7.6                                | 7.4         | 7.8           | 1,247                       | 569         | 677           | 57.8                       | 54.6        | 60.6          | 152 |
| 8.5                                | 7.4         | 10.0          | 268                         | 144         | 124           | 12.4                       | 13.8        | 11.1          | 153 |
| 4.3                                | 4.5         | 9.2           | 67                          | 32          | 35            | 3.1                        | 3.1         | 3.1           | 154 |
| 7.9                                | 7.8         | 7.9           | 122                         | 65          | 58            | 5.7                        | 6.2         | 5.2           | 155 |
| 7.7                                | 8.1         | 7.4           | 790                         | 329         | 461           | 36.6                       | 31.6        | 41.3          | 156 |

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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   | First-listed diagnoses |       |        |                            |       |        |
|---|------------------------|-------|--------|----------------------------|-------|--------|
|   | Both sexes             | Male  | Female | Both sexes                 | Male  | Female |
|   | Number in thousands    |       |        | Rate per 10,000 population |       |        |
| 157 Class 13. Diseases of the musculoskeletal system and connective tissue . . . . . 710-739  | 2,085                  | 905   | 1,181  | 96.6                       | 86.8  | 105.7  |
| 158 Rheumatoid arthritis, except spine . . . . . 714  | 92                     | 23    | 69     | 4.3                        | 2.2   | 6.2    |
| 159 Osteoarthritis and allied disorders, except spine . . . . . 715   | 153                    | 54    | 99     | 7.1                        | 5.2   | 8.9    |
| 160 Internal derangement of knee joint . . . . . 717  | 53                     | 32    | 21     | 2.5                        | 3.1   | 1.9    |
| 161 Other arthropathies and related disorders . . . . . 710-713, 716, 718-719   | 182                    | 84    | 98     | 8.4                        | 8.0   | 8.8    |
| 162 Spondylosis and allied disorders . . . . . 721  | 135                    | 55    | 80     | 6.2                        | 5.2   | 7.2    |
| 163 Derangement and displacement of lumbar disc . . . . . 722.10, 722.32, 722.52, 722.73, 722.83, 722.93  | 289                    | 161   | 128    | 13.4                       | 15.4  | 11.5   |
| 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 | 96                     | 51    | 45     | 4.4                        | 4.9   | 4.0    |
| 165 Other dorsopathies . . . . . 720, 723-724   | 292                    | 138   | 154    | 13.5                       | 13.3  | 13.8   |
| 166 Bursitis and synovitis, except spine . . . . . 726-727.0, 727.2-727.3   | 136                    | 60    | 75     | 6.3                        | 5.8   | 6.7    |
| 167 Bunion and deformities of toe . . . . . 727.1, 735  | 114                    | 20    | 94     | 5.3                        | 1.9   | 8.5    |
| 168 Disorders of bone and cartilage . . . . . 730-733   | 223                    | 96    | 127    | 10.3                       | 9.2   | 11.4   |
| 169 Other diseases of the musculoskeletal system and connective tissue . . . . . 725, 727.4-729, 734, 736-739   | 320                    | 131   | 188    | 14.8                       | 12.6  | 16.8   |
| 170 Class 14. Congenital anomalies . . . . . 740-759  | 333                    | 167   | 165    | 15.4                       | 16.0  | 14.8   |
| 171 Congenital anomaly of heart and circulatory system . . . . . 745-747  | 57                     | 27    | 30     | 2.6                        | 2.6   | 2.6    |
| 172 Other congenital anomalies . . . . . 740-744, 748-759   | 276                    | 140   | 136    | 12.8                       | 13.4  | 12.2   |
| 173 Class 15. Certain conditions originating in the perinatal period . . . . . 760-779  | 72                     | 40    | 31     | 3.3                        | 3.9   | 2.8    |
| 174 Class 16. Symptoms, signs, and ill-defined conditions . . . . . 780-799   | 643                    | 295   | 348    | 29.8                       | 28.4  | 31.2   |
| 175 Convulsions . . . . . 780.3   | 62                     | 33    | 29     | 2.9                        | 3.2   | 2.6    |
| 176 Chest pain . . . . . 786.5  | 70                     | 37    | 34     | 3.3                        | 3.5   | 3.0    |
| 177 Abdominal pain . . . . . 789.0  | 118                    | 40    | 78     | 5.5                        | 3.9   | 7.0    |
| 178 Other symptoms, signs, and ill-defined conditions . . . . . 780.0-780.2, 780.4-786.4, 786.6-788, 789.1-799  | 393                    | 185   | 208    | 18.2                       | 17.8  | 18.6   |
| 179 Class 17. Injury and poisoning . . . . . 800-999  | 3,634                  | 2,057 | 1,578  | 168.4                      | 197.5 | 141.3  |
| 180 Fracture of skull and face bones . . . . . 800-803  | 158                    | 112   | 46     | 7.3                        | 10.8  | 4.1    |
| 181 Fracture of vertebral column . . . . . 805-806  | 67                     | 37    | 30     | 3.1                        | 3.5   | 2.7    |
| 182 Fracture of radius and ulna . . . . . 813   | 130                    | 67    | 63     | 6.0                        | 6.4   | 5.7    |
| 183 Fracture of neck of femur . . . . . 820   | 205                    | 48    | 157    | 9.5                        | 4.6   | 14.1   |
| 184 Other fractures . . . . . 804, 807-812, 814-819, 821-829  | 620                    | 345   | 274    | 28.7                       | 33.1  | 24.6   |
| 185 Dislocation without fracture . . . . . 830-839  | 200                    | 139   | 61     | 9.3                        | 13.3  | 5.5    |
| 186 Sprains and strains of back (including neck) . . . . . 846-847  | 339                    | 166   | 173    | 15.7                       | 15.9  | 15.5   |
| 187 Concussion (excluding those with skull fracture) . . . . . 850  | 189                    | 119   | 71     | 8.8                        | 11.4  | 6.3    |
| 188 Intracranial injury, except concussion (excluding those with skull fracture) . . . . . 851-854  | 120                    | 74    | 46     | 5.6                        | 7.1   | 4.1    |
| 189 Internal injury of chest, abdomen, and pelvis . . . . . 860-869   | 72                     | 53    | 19     | 3.4                        | 5.1   | 1.7    |
| 190 Laceration and open wound of eye, ear, and head . . . . . 870-873   | 116                    | 80    | 36     | 5.4                        | 7.6   | 3.3    |
| 191 Laceration and open wound of other locations . . . . . 874-904  | 243                    | 190   | 53     | 11.2                       | 18.2  | 4.7    |

See footnote at end of table.

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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>First-listed diagnoses—Con.</i> |             |               | <i>All-listed diagnoses</i> |             |               |                            |             |               |     |
|------------------------------------|-------------|---------------|-----------------------------|-------------|---------------|----------------------------|-------------|---------------|-----|
| <i>Both sexes</i>                  | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>           | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>          | <i>Male</i> | <i>Female</i> |     |
| Average length of stay in days     |             |               | Number in thousands         |             |               | Rate per 10,000 population |             |               |     |
| 8.3                                | 7.6         | 8.8           | 4,628                       | 1,793       | 2,835         | 214.4                      | 172.1       | 253.8         | 157 |
| 11.7                               | 11.3        | 11.8          | 222                         | 60          | 161           | 10.3                       | 5.8         | 14.4          | 158 |
| 12.5                               | 11.8        | 12.8          | 692                         | 207         | 486           | 32.1                       | 19.9        | 43.5          | 159 |
| 4.7                                | 4.1         | 5.5           | 99                          | 61          | 39            | 4.6                        | 5.9         | 3.5           | 160 |
| 7.6                                | 6.6         | 8.6           | 453                         | 188         | 264           | 21.0                       | 18.0        | 23.6          | 161 |
| 8.6                                | 8.6         | 8.6           | 435                         | 168         | 267           | 20.1                       | 16.1        | 23.9          | 162 |
| 10.2                               | 9.4         | 11.2          | 356                         | 193         | 162           | 16.5                       | 18.5        | 14.5          | 163 |
| 8.6                                | 8.0         | 9.1           | 160                         | 79          | 81            | 7.4                        | 7.6         | 7.3           | 164 |
| 8.5                                | 8.0         | 8.9           | 498                         | 232         | 266           | 23.1                       | 22.3        | 23.8          | 165 |
| 4.6                                | 4.2         | 5.0           | 254                         | 107         | 147           | 11.8                       | 10.3        | 13.2          | 166 |
| 4.9                                | 4.9         | 4.9           | 231                         | 39          | 191           | 10.7                       | 3.7         | 17.1          | 167 |
| 10.4                               | 8.8         | 11.6          | 556                         | 197         | 359           | 25.8                       | 18.9        | 32.1          | 168 |
| 5.3                                | 4.7         | 5.8           | 673                         | 262         | 411           | 31.2                       | 25.1        | 36.8          | 169 |
| 6.1                                | 6.1         | 6.0           | 688                         | 341         | 347           | 31.9                       | 32.7        | 31.1          | 170 |
| 7.7                                | 8.4         | 7.0           | 118                         | 60          | 59            | 5.5                        | 5.8         | 5.3           | 171 |
| 5.7                                | 5.7         | 5.8           | 569                         | 281         | 288           | 26.4                       | 27.0        | 25.8          | 172 |
| 7.8                                | 8.0         | 7.4           | 138                         | 77          | 62            | 6.4                        | 7.4         | 5.6           | 173 |
| 4.8                                | 4.8         | 4.7           | 4,051                       | 1,861       | 2,190         | 187.6                      | 178.6       | 196.1         | 174 |
| 4.1                                | 3.7         | 4.6           | 346                         | 187         | 159           | 16.0                       | 17.9        | 14.2          | 175 |
| 3.4                                | 3.5         | 3.3           | 323                         | 158         | 165           | 15.0                       | 15.2        | 14.8          | 176 |
| 3.9                                | 4.0         | 3.9           | 418                         | 137         | 281           | 19.4                       | 13.2        | 25.2          | 177 |
| 5.4                                | 5.5         | 5.3           | 2,964                       | 1,379       | 1,584         | 137.3                      | 132.4       | 141.8         | 178 |
| 7.4                                | 6.6         | 8.5           | 6,391                       | 3,581       | 2,810         | 296.0                      | 343.7       | 251.6         | 179 |
| 5.6                                | 5.6         | 5.6           | 253                         | 178         | 75            | 11.7                       | 17.1        | 6.7           | 180 |
| 13.2                               | 13.5        | 12.9          | 107                         | 59          | 48            | 5.0                        | 5.7         | 4.3           | 181 |
| 4.0                                | 4.1         | 4.0           | 171                         | 86          | 85            | 7.9                        | 8.3         | 7.6           | 182 |
| 20.6                               | 19.5        | 20.9          | 232                         | 57          | 175           | 10.7                       | 5.5         | 15.6          | 183 |
| 9.4                                | 8.8         | 10.3          | 917                         | 516         | 401           | 42.5                       | 49.5        | 35.9          | 184 |
| 5.1                                | 4.7         | 6.0           | 271                         | 181         | 89            | 12.6                       | 17.4        | 8.0           | 185 |
| 7.4                                | 6.9         | 7.8           | 526                         | 250         | 276           | 24.4                       | 24.0        | 24.7          | 186 |
| 3.3                                | 2.8         | 4.1           | 252                         | 156         | 95            | 11.7                       | 15.0        | 8.5           | 187 |
| 7.7                                | 7.8         | 7.5           | 155                         | 95          | 60            | 7.2                        | 9.1         | 5.4           | 188 |
| 8.6                                | 7.7         | 11.3          | 194                         | 142         | 52            | 9.0                        | 13.6        | 4.7           | 189 |
| 4.4                                | 4.0         | 5.3           | 322                         | 220         | 101           | 14.9                       | 21.1        | 9.0           | 190 |
| 5.0                                | 5.0         | 5.1           | 418                         | 316         | 102           | 19.4                       | 30.3        | 9.1           | 191 |

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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 | First-listed diagnoses  |       |     |                            |       |      |        |  |  |
|---------------------------------------|---|-------|-----|----------------------------|-------|------|--------|--|--|
|                                       | Both sexes  |       |     | Male                       |       |      | Female |  |  |
|                                       | Number in thousands   |       |     | Rate per 10,000 population |       |      |        |  |  |
| 192                                   | Late effects of injuries, poisonings, toxic effects, and other external causes . . . . . 905-909  | 44    | 25  | 19                         | 2.1   | 2.4  | 1.7    |  |  |
| 193                                   | Burns . . . . . 940-949   | 89    | 63  | 27                         | 4.1   | 6.0  | 2.4    |  |  |
| 194                                   | Other injury . . . . . 840-845, 848, 910-939, 950-959   | 484   | 291 | 193                        | 22.4  | 28.0 | 17.3   |  |  |
| 195                                   | Poisoning by drugs, medicinal agents, and biological substances . . . . . 960-979   | 155   | 54  | 100                        | 7.2   | 5.2  | 9.0    |  |  |
| 196                                   | Toxic effects of substances chiefly nonmedicinal as to source . . . . . 980-989   | 55    | 35  | 19                         | 2.5   | 3.4  | 1.7    |  |  |
| 197                                   | Other and unspecified effects of external causes . . . . . 990-995  | 99    | 44  | 55                         | 4.6   | 4.2  | 5.0    |  |  |
| 198                                   | Other complications of surgical and medical care . . . . . 996-999  | 249   | 116 | 133                        | 11.6  | 11.1 | 11.9   |  |  |
| 199                                   | Supplementary classification of factors influencing health status . . . . . V01-V82   | 4,302 | 166 | 4,136                      | 199.3 | 15.9 | 370.3  |  |  |
| 200                                   | Persons with potential health hazards related to personal and family history . . . . . V10-V19  | 92    | 45  | 47                         | 4.3   | 4.4  | 4.2    |  |  |
| 201                                   | Persons admitted for sterilization . . . . . V25.2  | 268   | 9   | 259                        | 12.4  | 0.9  | 23.2   |  |  |
| 202                                   | Females with deliveries . . . . . V27   | 3,646 | ... | 3,646                      | 168.9 | ...  | 326.4  |  |  |
| 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 | 296   | 112 | 184                        | 13.7  | 10.7 | 16.5   |  |  |

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

Table 3. Number and discharge rate of first-listed and all-listed diagnoses for patients discharged from short-stay hospitals, and average length of stay of patients with first-listed diagnoses, by diagnostic categories and sex: United States, 1979—Con.

[Discharges and 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>First-listed diagnoses—Con.</i> |             |               | <i>All-listed diagnoses</i> |             |               |                            |             |               |     |
|------------------------------------|-------------|---------------|-----------------------------|-------------|---------------|----------------------------|-------------|---------------|-----|
| <i>Both sexes</i>                  | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>           | <i>Male</i> | <i>Female</i> | <i>Both sexes</i>          | <i>Male</i> | <i>Female</i> |     |
| Average length of stay in days     |             |               | Number in thousands         |             |               | Rate per 10,000 population |             |               |     |
| 6.8                                | 6.9         | 6.6           | 131                         | 74          | 57            | 6.1                        | 7.1         | 5.1           | 192 |
| 13.0                               | 13.4        | 11.9          | 106                         | 74          | 32            | 4.9                        | 7.1         | 2.9           | 193 |
| 5.3                                | 5.1         | 5.5           | 1,204                       | 698         | 507           | 55.8                       | 67.0        | 45.4          | 194 |
| 4.6                                | 3.7         | 5.0           | 242                         | 88          | 154           | 11.2                       | 8.4         | 13.8          | 195 |
| 3.4                                | 3.1         | 3.8           | 75                          | 44          | 31            | 3.5                        | 4.2         | 2.8           | 196 |
| 4.3                                | 3.8         | 4.8           | 252                         | 94          | 158           | 11.7                       | 9.0         | 14.1          | 197 |
| 7.4                                | 7.6         | 7.2           | 563                         | 252         | 311           | 26.1                       | 24.2        | 27.8          | 198 |
| 3.7                                | 5.1         | 3.7           | 6,678                       | 1,055       | 5,623         | 309.3                      | 101.3       | 503.4         | 199 |
| 6.0                                | 6.4         | 5.6           | 1,526                       | 720         | 806           | 70.7                       | 69.1        | 72.2          | 200 |
| 2.2                                | 1.5         | 2.2           | 655                         | 17          | 637           | 30.3                       | 1.6         | 57.0          | 201 |
| 3.7                                | ...         | 3.7           | 3,646                       | ...         | 3,646         | 168.9                      | ...         | 326.4         | 202 |
| 4.1                                | 4.8         | 3.6           | 851                         | 317         | 534           | 39.4                       | 30.4        | 47.8          | 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, 1979

[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 conditions .....   | 36,747      | 7,786     | 10,647        | 12,425 | 5,889 |
| 02                                    | Class 1. Infections and parasitic diseases .....                                     | 596         | 128       | 158           | 225    | 85    |
| 03                                    | Viral diseases .....   | 267         | 56        | 76            | 102    | 32    |
| 04                                    | Other infections and parasitic diseases .....  | 330         | 72        | 82            | 123    | 53    |
| 05                                    | Class 2. Neoplasms .....   | 2,402       | 627       | 695           | 670    | 409   |
| 06                                    | Malignant neoplasms .....  | 1,745       | 446       | 523           | 471    | 305   |
| 07                                    | Malignant neoplasm of lip, oral cavity, and pharynx .....                            | 46          | 10        | 10            | 11     | 14    |
| 08                                    | Malignant neoplasm of large intestine and rectum .....                               | 192         | 55        | 59            | 47     | 31    |
| 09                                    | Malignant neoplasm of other digestive organs and peritoneum .....                    | 134         | 39        | 37            | 34     | 23    |
| 10                                    | Malignant neoplasm of trachea, bronchus, and lung .....                              | 274         | 65        | 72            | 87     | 49    |
| 11                                    | Malignant neoplasm of bone, connective tissue, and skin .....                        | 116         | 25        | 31            | 36     | 25    |
| 12                                    | Malignant neoplasm of breast .....   | 210         | 60        | 71            | 47     | 32    |
| 13                                    | Malignant neoplasm of female genital organs .....                                    | 157         | 35        | 54            | 41     | 27    |
| 14                                    | Malignant neoplasm of prostate .....   | 118         | 32        | 33            | 31     | 22    |
| 15                                    | Malignant neoplasm of urinary organs .....   | 131         | 36        | 40            | 33     | 22    |
| 16                                    | Leukemia .....   | 53          | 12        | 13            | 19     | 10    |
| 17                                    | Other malignant neoplasm of hematopoietic tissue .....                               | 109         | 27        | 35            | 29     | 18    |
| 18                                    | Malignant neoplasm of other and unspecified sites .....                              | 205         | 49        | 67            | 57     | 33    |
| 19                                    | Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior .....       | 656         | 181       | 173           | 199    | 104   |
| 20                                    | Benign neoplasm of the digestive system .....  | 62          | 18        | 16            | 18     | 11    |
| 21                                    | Benign neoplasm of bone and connective tissue .....                                  | 90          | 21        | 27            | 28     | 15    |
| 22                                    | Benign neoplasm of the breast .....  | 53          | 12        | 16            | 20     | 5     |
| 23                                    | Benign neoplasm of the uterus .....  | 171         | 49        | 40            | 56     | 27    |
| 24                                    | Benign neoplasm of other female genital organs .....                                 | 30          | 7         | 7             | 8      | 7     |
| 25                                    | Other benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior ..... | 250         | 73        | 67            | 70     | 40    |
| 26                                    | Class 3. Endocrine, nutritional and metabolic diseases, and immunity disorders ..... | 1,057       | 216       | 322           | 382    | 138   |
| 27                                    | Diseases of the thyroid gland .....  | 88          | 18        | 30            | 27     | 14    |
| 28                                    | Diabetes mellitus without complication .....   | 364         | 82        | 107           | 139    | 36    |
| 29                                    | Diabetes mellitus with complication .....  | 237         | 58        | 66            | 82     | 32    |
| 30                                    | Other diseases of the endocrine glands .....   | 81          | 12        | 23            | 33     | 13    |
| 31                                    | Obesity .....  | 58          | 6         | 21            | 20     | 12    |
| 32                                    | Other nutritional deficiencies and metabolic and immunity disorders .....            | 230         | 41        | 75            | 82     | 32    |
| 33                                    | Class 4. Diseases of the blood and blood-forming organs .....                        | 348         | 83        | 96            | 112    | 56    |
| 34                                    | Anemias .....  | 225         | 50        | 62            | 78     | 35    |
| 35                                    | Other diseases of the blood and blood-forming organs .....                           | 123         | 33        | 35            | 34     | 21    |
| 36                                    | Class 5. Mental disorders .....  | 1,723       | 503       | 531           | 424    | 266   |
| 37                                    | Organic psychotic conditions .....   | 96          | 20        | 29            | 25     | 22    |
| 38                                    | Schizophrenic disorders .....  | 219         | 62        | 58            | 54     | 45    |
| 39                                    | Other psychoses .....  | 197         | 49        | 64            | 44     | 41    |
| 40                                    | Anxiety states .....   | 81          | 14        | 26            | 32     | 9     |
| 41                                    | Other neuroses and personality disorders .....                                       | 290         | 57        | 100           | 97     | 37    |
| 42                                    | Alcohol dependence syndrome .....  | 439         | 217       | 118           | 55     | 50    |
| 43                                    | Drug dependence .....  | 25          | 7         | 14            | 3      | *1    |
| 44                                    | Nondependent abuse of drugs (including alcohol) .....                                | 64          | 18        | 18            | 12     | 16    |
| 45                                    | Other mental disorders and mental retardation .....                                  | 313         | 61        | 104           | 102    | 46    |

See footnote at end of table.

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, 1979—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 |                  |                      |              |             |    |
| 1,702.1                    | 1,614.3          | 1,851.2              | 1,776.5      | 1,465.2     | 7.2                            | 8.4              | 7.4                  | 6.8          | 6.0         | 01 |
| 27.6                       | 26.5             | 27.5                 | 32.2         | 21.1        | 7.2                            | 8.6              | 7.1                  | 6.6          | 6.6         | 02 |
| 12.3                       | 11.6             | 13.2                 | 14.6         | 8.0         | 5.6                            | 6.7              | 5.5                  | 5.5          | 4.3         | 03 |
| 15.3                       | 14.9             | 14.3                 | 17.6         | 13.2        | 8.4                            | 10.1             | 8.6                  | 7.6          | 7.9         | 04 |
| 111.2                      | 130.0            | 120.8                | 95.8         | 101.8       | 10.6                           | 12.3             | 10.6                 | 10.3         | 8.6         | 05 |
| 80.8                       | 92.5             | 90.9                 | 67.3         | 75.9        | 12.3                           | 14.6             | 12.0                 | 12.0         | 9.9         | 06 |
| 2.1                        | 2.1              | 1.7                  | 1.6          | 3.5         | 10.8                           | 14.5             | 8.9                  | 12.1         | 8.6         | 07 |
| 8.9                        | 11.4             | 10.3                 | 6.7          | 7.7         | 16.1                           | 19.1             | 15.9                 | 13.7         | 14.8        | 08 |
| 6.2                        | 8.1              | 6.4                  | 4.9          | 5.7         | 16.2                           | 19.3             | 14.1                 | 17.4         | 12.7        | 09 |
| 12.7                       | 13.5             | 12.5                 | 12.4         | 12.2        | 12.7                           | 14.3             | 12.3                 | 13.2         | 10.0        | 10 |
| 5.4                        | 5.2              | 5.4                  | 5.1          | 6.2         | 8.6                            | 10.3             | 9.2                  | 9.3          | 5.1         | 11 |
| 9.7                        | 12.4             | 12.3                 | 6.7          | 8.0         | 11.1                           | 12.7             | 10.7                 | 10.2         | 10.2        | 12 |
| 7.3                        | 7.3              | 9.4                  | 5.9          | 6.7         | 10.3                           | 11.8             | 10.3                 | 9.1          | 9.9         | 13 |
| 5.5                        | 6.6              | 5.7                  | 4.4          | 5.5         | 10.9                           | 14.3             | 11.3                 | 9.5          | 7.1         | 14 |
| 6.0                        | 7.5              | 7.0                  | 4.7          | 5.5         | 10.4                           | 11.8             | 10.4                 | 9.8          | 9.3         | 15 |
| 2.5                        | 2.5              | 2.3                  | 2.7          | 2.5         | 12.7                           | 13.9             | 13.2                 | 12.8         | 10.0        | 16 |
| 5.1                        | 5.6              | 6.1                  | 4.1          | 4.5         | 11.0                           | 11.2             | 11.4                 | 11.1         | 9.5         | 17 |
| 9.5                        | 10.2             | 11.6                 | 8.1          | 8.2         | 13.7                           | 17.0             | 13.2                 | 13.9         | 9.4         | 18 |
| 30.4                       | 37.5             | 30.1                 | 28.5         | 25.9        | 6.2                            | 6.7              | 6.2                  | 6.2          | 5.0         | 19 |
| 2.9                        | 3.7              | 2.8                  | 2.6          | 2.7         | 5.2                            | 5.2              | 5.9                  | 5.0          | 4.2         | 20 |
| 4.2                        | 4.4              | 4.7                  | 4.0          | 3.7         | 4.1                            | 4.6              | 4.1                  | 4.2          | 2.9         | 21 |
| 2.5                        | 2.5              | 2.8                  | 2.9          | 1.2         | 2.4                            | 2.8              | 2.4                  | 2.3          | *1.8        | 22 |
| 7.9                        | 10.2             | 7.0                  | 8.0          | 6.7         | 7.3                            | 6.9              | 7.7                  | 7.9          | 6.0         | 23 |
| 1.4                        | 1.5              | 1.2                  | 1.1          | 1.7         | 7.6                            | 9.1              | 7.1                  | 7.8          | 6.4         | 24 |
| 11.6                       | 15.1             | 11.6                 | 10.0         | 10.0        | 7.0                            | 8.0              | 7.0                  | 7.0          | 5.4         | 25 |
| 49.0                       | 44.8             | 56.0                 | 54.6         | 34.3        | 9.5                            | 11.8             | 9.6                  | 8.7          | 7.7         | 26 |
| 4.1                        | 3.7              | 5.2                  | 3.9          | 3.5         | 8.4                            | 7.3              | 8.4                  | 11.0         | 4.9         | 27 |
| 16.8                       | 17.0             | 18.6                 | 19.9         | 9.0         | 9.4                            | 12.2             | 9.4                  | 8.3          | 7.5         | 28 |
| 11.0                       | 12.0             | 11.5                 | 11.7         | 8.0         | 11.3                           | 13.9             | 11.9                 | 9.5          | 9.6         | 29 |
| 3.8                        | 2.5              | 4.0                  | 4.7          | 3.2         | 7.1                            | 9.0              | 7.3                  | 6.5          | 6.5         | 30 |
| 2.7                        | 1.2              | 3.7                  | 2.9          | 3.0         | 9.2                            | 7.5              | 9.5                  | 10.1         | 8.0         | 31 |
| 10.6                       | 8.5              | 13.0                 | 11.7         | 8.0         | 9.1                            | 11.4             | 9.2                  | 8.5          | 7.6         | 32 |
| 16.1                       | 17.2             | 16.7                 | 16.0         | 13.9        | 7.3                            | 8.5              | 7.8                  | 6.8          | 5.3         | 33 |
| 10.4                       | 10.4             | 10.8                 | 11.2         | 8.7         | 8.0                            | 9.5              | 8.6                  | 7.5          | 5.9         | 34 |
| 5.7                        | 6.8              | 6.1                  | 4.9          | 5.2         | 5.9                            | 6.9              | 6.4                  | 5.2          | 4.4         | 35 |
| 79.8                       | 104.3            | 92.3                 | 60.6         | 66.2        | 11.0                           | 10.9             | 13.2                 | 9.4          | 9.4         | 36 |
| 4.4                        | 4.1              | 5.0                  | 3.6          | 5.5         | 9.7                            | 10.0             | 9.2                  | 9.4          | 10.6        | 37 |
| 10.1                       | 12.9             | 10.1                 | 7.7          | 11.2        | 15.8                           | 17.1             | 17.4                 | 13.6         | 14.6        | 38 |
| 9.1                        | 10.2             | 11.1                 | 6.3          | 10.2        | 15.5                           | 16.9             | 17.5                 | 14.5         | 11.6        | 39 |
| 3.7                        | 2.9              | 4.5                  | 4.6          | 2.2         | 5.4                            | 6.6              | 5.7                  | 5.3          | 2.9         | 40 |
| 13.4                       | 11.8             | 17.4                 | 13.9         | 9.2         | 11.3                           | 13.1             | 13.4                 | 9.5          | 7.9         | 41 |
| 20.3                       | 45.0             | 20.5                 | 7.9          | 12.4        | 9.3                            | 7.4              | 14.8                 | 6.6          | 7.1         | 42 |
| 1.3                        | 1.5              | 2.4                  | 0.4          | *0.2        | 15.4                           | 10.0             | 19.2                 | 11.2         | 13.0        | 43 |
| 3.0                        | 3.7              | 3.1                  | 1.7          | 4.0         | 4.9                            | 5.4              | 4.5                  | 5.3          | 4.5         | 44 |
| 14.5                       | 12.6             | 18.1                 | 14.6         | 11.4        | 9.7                            | 13.0             | 10.0                 | 8.1          | 8.2         | 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, 1979—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 |
|---------------------------------------|--|-------------|-----------|---------------|-------|------|
| Number in thousands                   |  |             |           |               |       |      |
| 46                                    | Class 6. Diseases of the nervous system and sense organs . . . 320-389                         | 1,626       | 347       | 517           | 474   | 288  |
| 47                                    | Epilepsy . . . . . 345   | 64          | 10        | 17            | 26    | 11   |
| 48                                    | Other disorders of the central nervous system . . . . . 320-336, 340-344, 346-349              | 309         | 69        | 96            | 100   | 44   |
| 49                                    | Disorders of the peripheral nervous system . . . . . 337, 350-359                              | 217         | 36        | 74            | 64    | 43   |
| 50                                    | Cataract . . . . . 366   | 383         | 98        | 110           | 103   | 72   |
| 51                                    | Other disorders of the eye . . . . . 360-365, 367-379  | 273         | 59        | 88            | 69    | 56   |
| 52                                    | Otitis media and eustachian tube disorders . . . . . 381-382                                   | 228         | 49        | 80            | 66    | 33   |
| 53                                    | Other diseases of the ear and mastoid process . . . . . 380, 383-389                           | 152         | 25        | 51            | 46    | 29   |
| 54                                    | Class 7. Diseases of the circulatory system . . . . . 390-459                                  | 4,907       | 1,094     | 1,350         | 1,715 | 748  |
| 55                                    | Essential hypertension . . . . . 401   | 298         | 49        | 91            | 130   | 28   |
| 56                                    | Heart disease . . . . . 391-392.0, 393-398, 402, 404, 410-429                                  | 3,065       | 716       | 803           | 1,057 | 489  |
| 57                                    | Hypertensive heart disease . . . . . 402, 404  | 132         | 27        | 31            | 61    | 13   |
| 58                                    | Acute myocardial infarction . . . . . 410  | 433         | 111       | 109           | 142   | 71   |
| 59                                    | Other acute and subacute forms of ischemic heart disease . . . . . 411                         | 147         | 41        | 37            | 46    | 23   |
| 60                                    | Angina pectoris . . . . . 413  | 192         | 34        | 45            | 79    | 34   |
| 61                                    | Coronary atherosclerosis . . . . . 414.0   | 592         | 168       | 152           | 199   | 73   |
| 62                                    | Other chronic ischemic heart disease . . . . . 412, 414.1-414.9                                | 374         | 73        | 104           | 122   | 74   |
| 63                                    | Pulmonary heart disease . . . . . 415-416  | 81          | 20        | 21            | 27    | 14   |
| 64                                    | Cardiac dysrhythmias . . . . . 427   | 331         | 72        | 93            | 107   | 58   |
| 65                                    | Congestive heart failure . . . . . 428.0   | 377         | 88        | 101           | 130   | 58   |
| 66                                    | Cardiovascular disease, unspecified . . . . . 429.2  | 108         | 23        | 21            | 51    | 12   |
| 67                                    | Other heart disease . . . . . 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9           | 297         | 58        | 87            | 93    | 59   |
| 68                                    | Intracranial hemorrhage . . . . . 430-432  | 48          | 9         | 15            | 15    | 10   |
| 69                                    | Occlusion of cerebral arteries . . . . . 434   | 98          | 24        | 29            | 32    | 14   |
| 70                                    | Transient cerebral ischemia . . . . . 435  | 170         | 37        | 51            | 57    | 24   |
| 71                                    | Acute, but ill-defined, cerebrovascular disease . . . . . 436                                  | 223         | 48        | 62            | 80    | 33   |
| 72                                    | Other cerebrovascular disease . . . . . 433, 437-438   | 207         | 41        | 63            | 72    | 32   |
| 73                                    | Atherosclerosis . . . . . 440  | 106         | 17        | 31            | 38    | 20   |
| 74                                    | Aneurysm . . . . . 441-442   | 51          | 12        | 16            | 12    | 11   |
| 75                                    | Other diseases of arteries, arterioles, and capillaries . . . . . 443-448                      | 119         | 29        | 37            | 37    | 17   |
| 76                                    | Phlebitis and thrombophlebitis . . . . . 451   | 141         | 30        | 40            | 51    | 20   |
| 77                                    | Varicose veins of lower extremities . . . . . 454  | 88          | 26        | 25            | 23    | 14   |
| 78                                    | Hemorrhoids . . . . . 455  | 159         | 32        | 44            | 65    | 17   |
| 79                                    | Other diseases of the circulatory system . . . . . 390, 392.9, 403, 405, 417, 452-453, 456-459 | 132         | 25        | 42            | 47    | 18   |
| 80                                    | Class 8. Diseases of the respiratory system . . . . . 460-519                                  | 3,309       | 611       | 968           | 1,255 | 476  |
| 81                                    | Acute bronchitis and bronchiolitis . . . . . 466   | 236         | 38        | 70            | 105   | 23   |
| 82                                    | Other acute upper respiratory infections, except influenza . . . 460-465                       | 298         | 45        | 87            | 138   | 28   |
| 83                                    | Deviated nasal septum . . . . . 470  | 102         | 28        | 39            | 19    | 16   |
| 84                                    | Chronic disease of tonsils and adenoids . . . . . 474  | 497         | 81        | 177           | 149   | 90   |
| 85                                    | Pneumonia, all forms . . . . . 480-486   | 756         | 131       | 195           | 339   | 91   |
| 86                                    | Influenza . . . . . 487  | 67          | 4         | 13            | 36    | 14   |
| 87                                    | Bronchitis, chronic and unspecified . . . . . 490-491  | 227         | 44        | 62            | 86    | 35   |
| 88                                    | Emphysema . . . . . 492  | 57          | 8         | 17            | 26    | 5    |
| 89                                    | Asthma . . . . . 493   | 339         | 83        | 93            | 107   | 56   |
| 90                                    | Pleurisy . . . . . 511   | 54          | 8         | 12            | 24    | 9    |
| 91                                    | Other diseases of the respiratory system . . . . . 471-473, 475-478, 494-496, 500-510, 512-519 | 675         | 140       | 203           | 224   | 108  |
| 92                                    | Class 9. Diseases of the digestive system . . . . . 520-579                                    | 4,604       | 946       | 1,319         | 1,690 | 649  |
| 93                                    | Disturbance of tooth eruption . . . . . 520.6  | 112         | 33        | 52            | 25    | 3    |
| 94                                    | Other diseases of the teeth, jaw and mouth . . . 520.0-520.5, 520.7-529                        | 169         | 46        | 61            | 46    | 16   |
| 95                                    | Diseases of the esophagus . . . . . 530  | 122         | 20        | 34            | 45    | 22   |
| 96                                    | Gastric ulcer . . . . . 531  | 104         | 20        | 29            | 36    | 19   |
| 97                                    | Duodenal ulcer . . . . . 532   | 162         | 27        | 47            | 70    | 19   |
| 98                                    | Other and unspecified peptic ulcer . . . . . 533-534   | 89          | 15        | 22            | 42    | 11   |
| 99                                    | Gastritis and duodenitis . . . . . 535   | 298         | 40        | 76            | 156   | 26   |

See footnote at end of table.



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, 1979—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 |                  |                      |              |             |    |
| 75.3                       | 71.9             | 90.0                 | 67.8         | 71.7        | 5.5                            | 6.3              | 5.5                  | 5.5          | 4.4         | 46 |
| 3.0                        | 2.1              | 3.0                  | 3.7          | 2.7         | 5.7                            | 6.4              | 6.0                  | 5.9          | 4.3         | 47 |
| 14.3                       | 14.3             | 16.7                 | 14.3         | 10.9        | 11.6                           | 14.7             | 11.2                 | 10.2         | 10.6        | 48 |
| 10.1                       | 7.5              | 12.9                 | 9.2          | 10.7        | 6.1                            | 7.5              | 6.0                  | 6.4          | 4.4         | 49 |
| 17.7                       | 20.3             | 19.1                 | 14.7         | 17.9        | 3.8                            | 3.8              | 4.1                  | 3.9          | 3.3         | 50 |
| 12.6                       | 12.2             | 15.3                 | 9.9          | 13.9        | 3.7                            | 3.7              | 4.2                  | 3.5          | 3.2         | 51 |
| 10.6                       | 10.2             | 13.9                 | 9.4          | 8.2         | 2.4                            | 2.2              | 2.4                  | 2.8          | 1.9         | 52 |
| 7.0                        | 5.2              | 8.9                  | 6.6          | 7.2         | 4.0                            | 4.8              | 3.7                  | 4.4          | 3.1         | 53 |
| 227.3                      | 226.8            | 234.7                | 245.2        | 186.1       | 9.9                            | 12.1             | 10.0                 | 9.2          | 8.0         | 54 |
| 13.8                       | 10.2             | 15.8                 | 18.6         | 7.0         | 6.7                            | 8.6              | 7.0                  | 6.1          | 5.0         | 55 |
| 142.0                      | 148.4            | 139.6                | 151.1        | 121.7       | 9.6                            | 11.6             | 9.9                  | 8.9          | 7.5         | 56 |
| 6.1                        | 5.6              | 5.4                  | 8.7          | 3.2         | 9.5                            | 10.2             | 9.6                  | 9.1          | 9.9         | 57 |
| 20.1                       | 23.0             | 19.0                 | 20.3         | 17.7        | 12.6                           | 14.5             | 13.6                 | 11.8         | 9.7         | 58 |
| 6.8                        | 8.5              | 6.4                  | 6.6          | 5.7         | 7.6                            | 8.9              | 8.4                  | 7.1          | 5.3         | 59 |
| 8.9                        | 7.0              | 7.8                  | 11.3         | 8.5         | 6.1                            | 7.1              | 6.6                  | 5.9          | 4.5         | 60 |
| 27.4                       | 34.8             | 26.4                 | 28.5         | 18.2        | 9.7                            | 11.7             | 9.4                  | 9.3          | 7.1         | 61 |
| 17.3                       | 15.1             | 18.1                 | 17.4         | 18.4        | 8.5                            | 10.6             | 8.8                  | 7.9          | 7.2         | 62 |
| 3.8                        | 4.1              | 3.7                  | 3.9          | 3.5         | 13.7                           | 17.3             | 14.1                 | 12.5         | 10.4        | 63 |
| 15.3                       | 14.9             | 16.2                 | 15.3         | 14.4        | 7.6                            | 8.6              | 8.1                  | 7.5          | 5.8         | 64 |
| 17.5                       | 18.2             | 17.6                 | 18.6         | 14.4        | 10.7                           | 13.5             | 10.7                 | 9.4          | 9.3         | 65 |
| 5.0                        | 4.8              | 3.7                  | 7.3          | 3.0         | 9.5                            | 12.4             | 10.3                 | 8.1          | 8.0         | 66 |
| 13.7                       | 12.0             | 15.1                 | 13.3         | 14.7        | 9.2                            | 10.7             | 10.0                 | 8.6          | 7.4         | 67 |
| 2.2                        | 1.9              | 2.6                  | 2.1          | 2.5         | 14.6                           | 16.0             | 15.5                 | 14.2         | 12.6        | 68 |
| 4.6                        | 5.0              | 5.0                  | 4.6          | 3.5         | 17.6                           | 20.4             | 17.5                 | 15.5         | 18.2        | 69 |
| 7.9                        | 7.7              | 8.9                  | 8.1          | 6.0         | 7.4                            | 9.5              | 7.3                  | 6.6          | 6.1         | 70 |
| 10.3                       | 10.0             | 10.8                 | 11.4         | 8.2         | 14.6                           | 18.8             | 13.9                 | 13.6         | 12.1        | 71 |
| 9.6                        | 8.5              | 11.0                 | 10.3         | 8.0         | 11.0                           | 15.9             | 10.6                 | 10.0         | 7.9         | 72 |
| 4.9                        | 3.5              | 5.4                  | 5.4          | 5.0         | 13.2                           | 18.0             | 11.0                 | 14.8         | 9.7         | 73 |
| 2.4                        | 2.5              | 2.8                  | 1.7          | 2.7         | 11.4                           | 12.2             | 11.4                 | 10.8         | 11.2        | 74 |
| 5.5                        | 6.0              | 6.4                  | 5.3          | 4.2         | 13.1                           | 16.3             | 13.2                 | 12.7         | 8.1         | 75 |
| 6.5                        | 6.2              | 7.0                  | 7.3          | 5.0         | 10.5                           | 12.5             | 10.5                 | 10.0         | 9.2         | 76 |
| 4.1                        | 5.4              | 4.3                  | 3.3          | 3.5         | 8.2                            | 8.0              | 7.8                  | 9.4          | 7.3         | 77 |
| 7.4                        | 6.6              | 7.7                  | 9.3          | 4.2         | 6.0                            | 6.7              | 6.1                  | 5.9          | 5.1         | 78 |
| 6.1                        | 5.2              | 7.3                  | 6.7          | 4.5         | 8.9                            | 9.2              | 8.8                  | 9.3          | 7.7         | 79 |
| 153.3                      | 126.7            | 168.3                | 179.4        | 118.4       | 6.2                            | 7.1              | 5.9                  | 6.2          | 5.3         | 80 |
| 10.9                       | 7.9              | 12.2                 | 15.0         | 5.7         | 5.8                            | 6.6              | 6.1                  | 5.7          | 4.3         | 81 |
| 13.8                       | 9.3              | 15.1                 | 19.7         | 7.0         | 3.9                            | 4.2              | 4.3                  | 3.7          | 2.8         | 82 |
| 4.7                        | 5.8              | 6.8                  | 2.7          | 4.0         | 3.0                            | 2.9              | 2.8                  | 2.8          | 3.7         | 83 |
| 23.0                       | 16.8             | 30.8                 | 21.3         | 22.4        | 2.0                            | 1.7              | 2.0                  | 2.2          | 1.8         | 84 |
| 35.0                       | 27.2             | 33.9                 | 48.5         | 22.6        | 8.0                            | 9.2              | 8.2                  | 7.4          | 7.6         | 85 |
| 3.1                        | 0.8              | 2.3                  | 5.1          | 3.5         | 4.9                            | 5.5              | 4.7                  | 5.3          | 4.1         | 86 |
| 10.5                       | 9.1              | 10.8                 | 12.3         | 8.7         | 7.1                            | 7.4              | 7.1                  | 7.5          | 5.6         | 87 |
| 2.6                        | 1.7              | 3.0                  | 3.7          | 1.2         | 9.8                            | 14.2             | 9.8                  | 8.8          | 7.4         | 88 |
| 15.7                       | 17.2             | 16.2                 | 15.3         | 13.9        | 6.1                            | 6.3              | 6.3                  | 6.0          | 5.4         | 89 |
| 2.5                        | 1.7              | 2.1                  | 3.4          | 2.2         | 8.7                            | 10.1             | 7.8                  | 8.1          | 10.2        | 90 |
| 31.3                       | 29.0             | 35.3                 | 32.0         | 26.9        | 8.2                            | 9.9              | 7.4                  | 8.4          | 7.0         | 91 |
| 213.3                      | 196.1            | 229.3                | 241.6        | 161.5       | 6.9                            | 8.1              | 6.9                  | 6.6          | 6.1         | 92 |
| 5.2                        | 6.8              | 9.0                  | 3.6          | 0.7         | 1.9                            | 1.7              | 2.0                  | 1.9          | *1.5        | 93 |
| 7.9                        | 9.5              | 10.6                 | 6.6          | 4.0         | 3.1                            | 2.7              | 3.3                  | 3.4          | 3.0         | 94 |
| 5.6                        | 4.1              | 5.9                  | 6.4          | 5.5         | 6.9                            | 6.9              | 8.1                  | 6.6          | 5.7         | 95 |
| 4.8                        | 4.1              | 5.0                  | 5.1          | 4.7         | 8.9                            | 11.5             | 8.1                  | 8.9          | 7.2         | 96 |
| 7.5                        | 5.6              | 8.2                  | 10.0         | 4.7         | 7.7                            | 9.6              | 7.7                  | 7.1          | 7.4         | 97 |
| 4.1                        | 3.1              | 3.8                  | 6.0          | 2.7         | 7.0                            | 8.7              | 8.1                  | 6.6          | 4.1         | 98 |
| 13.8                       | 8.3              | 13.2                 | 22.3         | 6.5         | 5.3                            | 6.5              | 5.8                  | 5.0          | 4.1         | 99 |

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, 1979—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 |
|---------------------------------------|---|-------------|-----------|---------------|-------|------|
|                                       |   |             |           |               |       |      |
| 100                                   | Other diseases of the stomach . . . . . 536-537   | 92          | 9         | 26            | 48    | 9    |
| 101                                   | Acute appendicitis without mention of peritonitis . . . . . 540.9   | 178         | 34        | 53            | 53    | 37   |
| 102                                   | Other appendicitis and other diseases of the appendix . . . . . 540.0-540.1, 541-543  | 100         | 20        | 31            | 32    | 16   |
| 103                                   | Inguinal hernia . . . . . 550   | 475         | 125       | 142           | 126   | 81   |
| 104                                   | Other hernia of abdominal cavity . . . . . 551-553  | 307         | 55        | 79            | 130   | 43   |
| 105                                   | Regional enteritis and idiopathic proctocolitis . . . . . 555-556   | 57          | 14        | 18            | 17    | 9    |
| 106                                   | Other noninfectious gastroenteritis and colitis . . . . . 558   | 558         | 86        | 153           | 250   | 70   |
| 107                                   | Intestinal obstruction without mention of hernia . . . . . 560  | 152         | 30        | 45            | 50    | 27   |
| 108                                   | Diverticula of intestine . . . . . 562  | 205         | 46        | 57            | 71    | 30   |
| 109                                   | Other functional digestive disorders of intestines . . . . . 564  | 138         | 17        | 51            | 55    | 14   |
| 110                                   | Anal fissure, fistula, and abscess . . . . . 565-566  | 92          | 23        | 25            | 29    | 15   |
| 111                                   | Other disorders of intestine and peritoneum . . . . . 557, 567-569  | 163         | 39        | 49            | 55    | 21   |
| 112                                   | Chronic liver disease and cirrhosis . . . . . 571   | 102         | 32        | 22            | 30    | 18   |
| 113                                   | Other diseases of the liver . . . . . 570, 572-573  | 51          | 12        | 12            | 17    | 10   |
| 114                                   | Cholelithiasis . . . . . 574  | 447         | 105       | 119           | 159   | 63   |
| 115                                   | Cholecystitis . . . . . 575.0-575.1   | 115         | 21        | 35            | 43    | 16   |
| 116                                   | Other disorders of gallbladder and biliary tract . . . . . 575.2-576  | 46          | 11        | 11            | 18    | 6    |
| 117                                   | Diseases of the pancreas . . . . . 577  | 117         | 29        | 29            | 41    | 18   |
| 118                                   | Gastrointestinal hemorrhage and intestinal malabsorption . . . 578-579  | 150         | 37        | 41            | 44    | 29   |
| 119                                   | Class 10. Diseases of the genitourinary system . . . . . 580-629  | 3,514       | 724       | 1,017         | 1,295 | 478  |
| 120                                   | Nephritis, nephrotic syndrome, and nephrosis . . . . . 580-589  | 133         | 30        | 38            | 38    | 27   |
| 121                                   | Infections of kidney . . . . . 590  | 112         | 18        | 27            | 51    | 16   |
| 122                                   | Calculus of kidney and ureter . . . . . 592   | 290         | 56        | 76            | 119   | 39   |
| 123                                   | Cystitis . . . . . 595  | 120         | 18        | 42            | 52    | 8    |
| 124                                   | Urethral stricture . . . . . 598  | 84          | 15        | 29            | 34    | 6    |
| 125                                   | Other disorders of urinary system . . . . . 591, 593-594, 596-597, 599  | 453         | 86        | 129           | 189   | 50   |
| 126                                   | Hyperplasia of prostate . . . . . 600   | 235         | 61        | 71            | 65    | 38   |
| 127                                   | Other disorders of the male genital organs . . . . . 601-608  | 228         | 49        | 64            | 91    | 25   |
| 128                                   | Benign mammary dysplasia . . . . . 610  | 137         | 26        | 43            | 49    | 19   |
| 129                                   | Inflammatory disease of breast . . . . . 611  | 84          | 18        | 22            | 29    | 15   |
| 130                                   | Cervicitis and endocervicitis . . . . . 616.0   | 51          | 11        | 17            | 18    | 5    |
| 131                                   | Other inflammatory disease of female pelvic organs . . . . . 614-615, 616.1-616.9   | 259         | 43        | 77            | 93    | 46   |
| 132                                   | Endometriosis . . . . . 617   | 106         | 20        | 27            | 31    | 28   |
| 133                                   | Genital prolapse (female) . . . . . 618   | 183         | 32        | 53            | 71    | 27   |
| 134                                   | Disorders of menstruation and other abnormal vaginal bleeding . . . 626   | 450         | 108       | 133           | 161   | 49   |
| 135                                   | Menopausal and postmenopausal disorders . . . . . 627   | 80          | 26        | 22            | 21    | 10   |
| 136                                   | Other disruptions of the female genital tract . . . . . 619-625, 628-629  | 508         | 108       | 149           | 182   | 70   |
| 137                                   | Class 11. Complications of pregnancy, childbirth, and the puerperium <sup>1</sup> . . . . . 630-676                             | 989         | 266       | 281           | 299   | 143  |
| 138                                   | Ectopic pregnancy . . . . . 633   | 46          | 11        | 12            | 14    | 10   |
| 139                                   | Induced abortion . . . . . 635-636  | 189         | 98        | 42            | 22    | 28   |
| 140                                   | Other pregnancy with abortive outcome . . . . . 630-632, 634, 637-639   | 300         | 73        | 86            | 102   | 40   |
| 141                                   | Antepartum hemorrhage, abruptio placentae, and placenta previa . . 641  | 29          | 5         | 11            | 10    | 4    |
| 142                                   | Hypertension complicating pregnancy, childbirth, and the puerperium . . . . . 642   | 30          | 7         | 8             | 11    | 4    |
| 143                                   | False labor . . . . . 644.1   | 131         | 20        | 45            | 49    | 17   |
| 144                                   | Fetopelvic disproportion . . . . . 653.4  | *0          | -         | -             | -     | *0   |
| 145                                   | Uterine scar from previous surgery . . . . . 654.2  | 3           | *1        | *0            | *1    | *0   |
| 146                                   | Rupture of membranes . . . . . 658.1-658.3  | 12          | 2         | 5             | 2     | 2    |
| 147                                   | Umbilical cord complications . . . . . 663  | *0          | *0        | -             | -     | -    |
| 148                                   | Trauma to perineum and vulva during delivery . . . . . 664  | 2           | *0        | *0            | *1    | *0   |
| 149                                   | Other complications of pregnancy . . . . . 640, 643-644.0, 644.2-648<br>651-653.3, 635.5-654.1, 654.3-658.0, 658.4-662, 665-676 | 245         | 49        | 73            | 87    | 37   |
| 150                                   | Delivery without mention of complication . . . . . 650  | ...         | ...       | ...           | ...   | ...  |
| 151                                   | Complication of delivery . . . 640-648, 651-676 (with 5th digit 1 or 2)   | ...         | ...       | ...           | ...   | ...  |

See footnote at end of table.

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, 1979—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 |                  |                      |              |             |     |
| 4.3                        | 1.9              | 4.5                  | 6.9          | 2.2         | 6.4                            | 9.9              | 6.2                  | 5.1          | 10.2        | 100 |
| 8.2                        | 7.0              | 9.2                  | 7.6          | 9.2         | 4.6                            | 5.1              | 4.6                  | 4.8          | 3.7         | 101 |
| 4.6                        | 4.1              | 5.4                  | 4.6          | 4.0         | 8.0                            | 10.0             | 7.8                  | 7.1          | 7.8         | 102 |
| 22.0                       | 25.9             | 24.7                 | 18.0         | 20.2        | 4.9                            | 5.2              | 5.1                  | 5.2          | 3.8         | 103 |
| 14.2                       | 11.4             | 13.7                 | 18.6         | 10.7        | 6.7                            | 7.7              | 7.4                  | 6.4          | 5.0         | 104 |
| 2.6                        | 2.9              | 3.1                  | 2.4          | 2.2         | 12.1                           | 14.3             | 12.7                 | 10.8         | 10.1        | 105 |
| 25.9                       | 17.8             | 26.6                 | 25.7         | 17.4        | 4.7                            | 5.0              | 4.9                  | 4.5          | 4.5         | 106 |
| 7.1                        | 6.2              | 7.8                  | 7.1          | 6.7         | 10.0                           | 11.0             | 10.7                 | 10.8         | 6.4         | 107 |
| 9.5                        | 9.5              | 9.9                  | 10.2         | 7.5         | 8.7                            | 9.9              | 8.8                  | 8.3          | 8.1         | 108 |
| 6.4                        | 3.5              | 8.9                  | 7.9          | 3.5         | 5.5                            | 6.8              | 5.1                  | 5.6          | 4.9         | 109 |
| 4.3                        | 4.8              | 4.3                  | 4.1          | 3.7         | 5.3                            | 5.5              | 5.3                  | 5.6          | 4.3         | 110 |
| 7.6                        | 8.1              | 8.5                  | 7.9          | 5.2         | 8.1                            | 9.2              | 8.0                  | 7.0          | 9.2         | 111 |
| 4.7                        | 6.6              | 3.8                  | 4.3          | 4.5         | 12.5                           | 15.6             | 12.1                 | 12.1         | 8.4         | 112 |
| 2.4                        | 2.5              | 2.1                  | 2.4          | 2.5         | 11.2                           | 13.3             | 12.2                 | 8.0          | 12.8        | 113 |
| 20.7                       | 21.8             | 20.7                 | 22.7         | 15.7        | 9.8                            | 11.5             | 9.9                  | 9.5          | 7.7         | 114 |
| 5.3                        | 4.4              | 6.1                  | 6.1          | 4.0         | 9.4                            | 11.6             | 8.8                  | 9.8          | 6.9         | 115 |
| 2.1                        | 2.3              | 1.9                  | 2.6          | 1.5         | 10.3                           | 12.9             | 9.4                  | 9.1          | 10.8        | 116 |
| 5.4                        | 6.0              | 5.0                  | 5.9          | 4.5         | 9.9                            | 11.1             | 10.8                 | 8.4          | 9.7         | 117 |
| 7.0                        | 7.7              | 7.1                  | 6.3          | 7.2         | 8.2                            | 10.0             | 8.0                  | 7.4          | 7.5         | 118 |
| 162.8                      | 150.1            | 176.8                | 185.2        | 118.9       | 5.7                            | 6.0              | 5.9                  | 5.7          | 5.2         | 119 |
| 6.1                        | 6.2              | 6.6                  | 5.4          | 6.7         | 12.4                           | 13.9             | 11.9                 | 14.1         | 8.9         | 120 |
| 5.2                        | 3.7              | 4.7                  | 7.3          | 4.0         | 7.5                            | 8.6              | 7.0                  | 7.0          | 8.8         | 121 |
| 13.4                       | 11.6             | 13.2                 | 17.0         | 9.7         | 5.3                            | 6.5              | 5.5                  | 4.9          | 4.5         | 122 |
| 5.6                        | 3.7              | 7.3                  | 7.4          | 2.0         | 5.5                            | 5.7              | 5.4                  | 5.7          | 3.7         | 123 |
| 3.9                        | 3.1              | 5.0                  | 4.9          | 1.5         | 4.4                            | 4.3              | 4.5                  | 4.6          | 3.5         | 124 |
| 21.0                       | 17.8             | 22.4                 | 27.0         | 12.4        | 6.7                            | 7.6              | 7.1                  | 6.3          | 6.1         | 125 |
| 10.9                       | 12.6             | 12.3                 | 9.3          | 9.5         | 9.4                            | 9.9              | 10.0                 | 9.4          | 7.1         | 126 |
| 10.6                       | 10.2             | 11.1                 | 13.0         | 6.2         | 4.0                            | 4.3              | 4.3                  | 3.9          | 3.2         | 127 |
| 6.4                        | 5.4              | 7.5                  | 7.0          | 4.7         | 3.3                            | 2.8              | 3.1                  | 3.1          | 5.1         | 128 |
| 3.9                        | 3.7              | 3.8                  | 4.1          | 3.7         | 3.5                            | 3.6              | 4.0                  | 3.6          | 2.6         | 129 |
| 2.3                        | 2.3              | 3.0                  | 2.6          | 1.2         | 4.5                            | 3.8              | 4.4                  | 5.1          | 3.8         | 130 |
| 12.0                       | 8.9              | 13.4                 | 13.3         | 11.4        | 5.6                            | 6.6              | 5.4                  | 5.5          | 5.2         | 131 |
| 4.9                        | 4.1              | 4.7                  | 4.4          | 7.0         | 6.2                            | 6.7              | 6.6                  | 6.2          | 5.5         | 132 |
| 8.5                        | 6.6              | 9.2                  | 10.2         | 6.7         | 8.3                            | 8.7              | 9.0                  | 8.1          | 7.0         | 133 |
| 20.8                       | 22.4             | 23.1                 | 23.0         | 12.2        | 3.4                            | 3.0              | 3.4                  | 3.7          | 3.2         | 134 |
| 3.7                        | 5.4              | 3.8                  | 3.0          | 2.5         | 3.1                            | 2.6              | 2.9                  | 3.9          | 3.2         | 135 |
| 23.6                       | 22.4             | 25.9                 | 26.0         | 17.4        | 5.1                            | 4.9              | 5.2                  | 5.3          | 4.6         | 136 |
| 45.8                       | 55.2             | 49.0                 | 42.8         | 35.3        | 2.5                            | 2.6              | 2.5                  | 2.7          | 2.2         | 137 |
| 2.1                        | 2.3              | 2.1                  | 2.0          | 2.5         | 5.9                            | 6.5              | 6.1                  | 5.8          | 4.9         | 138 |
| 8.8                        | 20.3             | 7.3                  | 3.1          | 7.0         | 1.6                            | 1.6              | 1.4                  | 2.2          | 1.4         | 139 |
| 13.9                       | 15.1             | 15.0                 | 14.6         | 10.0        | 2.0                            | 2.0              | 1.9                  | 2.2          | 1.5         | 140 |
| 1.4                        | 1.0              | 1.9                  | 1.4          | 1.0         | 3.0                            | 3.4              | 3.0                  | 3.1          | 2.1         | 141 |
| 1.4                        | 1.5              | 1.4                  | 1.6          | 1.0         | 4.1                            | 4.6              | 4.5                  | 4.0          | 3.1         | 142 |
| 6.0                        | 4.1              | 7.8                  | 7.0          | 4.2         | 1.2                            | 1.2              | 1.2                  | 1.3          | 1.3         | 143 |
| *0.0                       | -                | -                    | -            | *0.0        | *1.0                           | -                | -                    | -            | *1.0        | 144 |
| *0.1                       | *0.2             | *0.0                 | *0.1         | *0.0        | *1.6                           | *2.4             | *1.0                 | *1.1         | *2.0        | 145 |
| 0.5                        | 0.4              | 0.9                  | 0.3          | 0.5         | 3.8                            | 5.8              | 3.7                  | 3.3          | 2.6         | 146 |
| *0.0                       | *0.0             | -                    | -            | -           | *1.0                           | *1.0             | -                    | -            | -           | 147 |
| *0.4                       | *0.0             | *0.0                 | *0.1         | *0.0        | *2.4                           | *2.5             | *4.0                 | *1.8         | *1.7        | 148 |
| 11.4                       | 10.2             | 12.7                 | 12.4         | 9.2         | 3.7                            | 4.8              | 3.5                  | 3.6          | 3.0         | 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, 1979—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 |
|---------------------------------------|---|-------------|-----------|---------------|-------|------|
|                                       |   |             |           |               |       |      |
| 152                                   | Class 12. Diseases of the skin and subcutaneous tissue . . . 680-709  | 600         | 134       | 179           | 196   | 92   |
| 153                                   | Cellulitis and abscess, except of digit . . . . . 682   | 176         | 38        | 48            | 64    | 26   |
| 154                                   | Pilonidal cyst . . . . . 685  | 64          | 21        | 16            | 19    | 8    |
| 155                                   | Other infections of the skin and subcutaneous tissue . . . . . 680-681, 683-684, 686  | 64          | 13        | 17            | 22    | 12   |
| 156                                   | Other diseases of the skin and subcutaneous tissue . . . . . 690-709  | 296         | 62        | 98            | 91    | 46   |
| 157                                   | Class 13. Diseases of the musculoskeletal system and connective tissue . . . . . 710-739  | 2,086       | 350       | 667           | 682   | 387  |
| 158                                   | Rheumatoid arthritis, except spine . . . . . 714  | 92          | 14        | 27            | 30    | 21   |
| 159                                   | Osteoarthritis and allied disorders, except spine . . . . . 715   | 153         | 29        | 55            | 41    | 28   |
| 160                                   | Internal derangement of knee joint . . . . . 717  | 53          | 9         | 20            | 10    | 14   |
| 161                                   | Other arthropathies and related disorders . . . 710-713, 716, 718-719   | 182         | 32        | 58            | 59    | 33   |
| 162                                   | Spondylosis and allied disorders . . . . . 721  | 135         | 24        | 33            | 54    | 23   |
| 163                                   | Derangement and displacement of lumbar disc . . . . . 722.10, 722.32, 722.52, 722.73, 722.83, 722.93  | 289         | 42        | 84            | 96    | 67   |
| 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 | 96          | 14        | 35            | 26    | 20   |
| 165                                   | Other dorsopathies . . . . . 720, 723-724   | 292         | 50        | 92            | 103   | 48   |
| 166                                   | Bursitis and synovitis, except spine . . . . . 726-727.0, 727.2-727.3   | 135         | 25        | 41            | 51    | 19   |
| 167                                   | Bunion and deformities of toe . . . . . 727.1-735   | 114         | 15        | 51            | 31    | 17   |
| 168                                   | Disorders of bone and cartilage . . . . . 730-733   | 223         | 44        | 63            | 75    | 42   |
| 169                                   | Other diseases of the musculoskeletal system and connective tissue . . . . . 725, 727.4-729, 734, 736-739   | 320         | 52        | 107           | 106   | 54   |
| 170                                   | Class 14. Congenital anomalies . . . . . 740-759  | 332         | 71        | 109           | 94    | 59   |
| 171                                   | Congenital anomaly of heart and circulatory system . . . . . 745-747  | 57          | 13        | 17            | 15    | 13   |
| 172                                   | Other congenital anomalies . . . . . 740-744, 748-759   | 276         | 59        | 92            | 79    | 46   |
| 173                                   | Class 15. Certain conditions originating in the perinatal period . . . . . 760-779  | 72          | 12        | 18            | 22    | 20   |
| 174                                   | Class 16. Symptoms, signs, and ill-defined conditions . . . 780-799   | 644         | 118       | 188           | 232   | 106  |
| 175                                   | Convulsions . . . . . 780.3   | 62          | 17        | 20            | 18    | 7    |
| 176                                   | Chest pain . . . . . 786.5  | 70          | 12        | 19            | 24    | 15   |
| 177                                   | Abdominal pain . . . . . 789.0  | 118         | 23        | 36            | 44    | 16   |
| 178                                   | Other symptoms, signs, and ill-defined conditions . . . 780.0-780.2, 780.4-786.4, 786.6-788, 789.1-799  | 393         | 67        | 113           | 145   | 69   |
| 179                                   | Class 17. Injury and poisoning . . . . . 800-999  | 3,635       | 679       | 1,030         | 1,211 | 715  |
| 180                                   | Fracture of skull and face bones . . . . . 800-803  | 158         | 33        | 47            | 44    | 34   |
| 181                                   | Fracture of vertebral column . . . . . 805-806  | 67          | 10        | 20            | 26    | 11   |
| 182                                   | Fracture of radius and ulna . . . . . 813   | 130         | 26        | 40            | 34    | 30   |
| 183                                   | Fracture of neck of femur . . . . . 820   | 205         | 52        | 59            | 61    | 33   |
| 184                                   | Other fractures . . . . . 804, 807-812, 814-819, 821-829  | 620         | 115       | 174           | 191   | 139  |
| 185                                   | Dislocation without fracture . . . . . 830-839  | 200         | 36        | 69            | 51    | 44   |
| 186                                   | Sprains and strains of back (including neck) . . . . . 846-847  | 339         | 44        | 90            | 162   | 43   |
| 187                                   | Concussion (excluding those with skull fractures) . . . . . 850   | 189         | 56        | 53            | 49    | 31   |
| 188                                   | Intracranial injury, except concussion (excluding those with skull fracture) . . . . . 851-854  | 120         | 19        | 39            | 37    | 25   |
| 189                                   | Internal injury of chest, abdomen, and pelvis . . . . . 860-869   | 72          | 13        | 13            | 31    | 15   |
| 190                                   | Laceration and open wound of eye, ear, and head . . . . . 870-873   | 116         | 23        | 35            | 37    | 21   |
| 191                                   | Laceration and open wound of other locations . . . . . 874-904  | 243         | 38        | 58            | 93    | 53   |
| 192                                   | Late effects of injuries, poisonings, toxic effects, and other external causes . . . . . 905-909  | 44          | 7         | 11            | 18    | 8    |
| 193                                   | Burns . . . . . 940-949   | 89          | 18        | 25            | 34    | 13   |
| 194                                   | Other injury . . . . . 840-845, 848, 910-939, 950-959   | 484         | 80        | 136           | 170   | 99   |
| 195                                   | Poisoning by drugs, medicinal agents, and biological substances . . . . . 960-979   | 155         | 32        | 42            | 45    | 36   |
| 196                                   | Toxic effects of substances chiefly nonmedicinal as to source . . . 980-989   | 55          | 10        | 15            | 22    | 8    |
| 197                                   | Other and unspecified effects of external causes . . . . . 990-995  | 99          | 21        | 30            | 31    | 18   |
| 198                                   | Other complications of surgical and medical care . . . . . 996-999  | 249         | 45        | 74            | 76    | 54   |

See footnote at end of table.

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, 1979—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 |                  |                      |              |             |     |
| 27.8                       | 27.8             | 31.1                 | 28.0         | 22.9        | 7.6                            | 9.5              | 7.1                  | 7.0          | 7.3         | 152 |
| 8.1                        | 7.9              | 8.3                  | 9.2          | 6.5         | 8.5                            | 11.1             | 8.9                  | 7.5          | 6.5         | 153 |
| 3.0                        | 4.4              | 2.8                  | 2.7          | 2.0         | 4.3                            | 5.2              | 4.3                  | 4.1          | 2.6         | 154 |
| 3.0                        | 2.7              | 3.0                  | 3.1          | 3.0         | 7.9                            | 9.1              | 6.8                  | 7.6          | 8.5         | 155 |
| 13.7                       | 12.9             | 17.0                 | 13.0         | 11.4        | 7.7                            | 9.9              | 6.7                  | 7.1          | 8.2         | 156 |
| 96.6                       | 72.6             | 116.0                | 97.5         | 96.3        | 8.3                            | 10.1             | 8.5                  | 7.9          | 6.9         | 157 |
| 4.3                        | 2.9              | 4.7                  | 4.3          | 5.2         | 11.7                           | 14.7             | 12.0                 | 10.4         | 11.0        | 158 |
| 7.1                        | 6.0              | 9.6                  | 5.9          | 7.0         | 12.5                           | 14.8             | 13.8                 | 10.9         | 9.8         | 159 |
| 2.5                        | 1.9              | 3.5                  | 1.4          | 3.5         | 4.7                            | 5.3              | 4.7                  | 5.0          | 4.0         | 160 |
| 8.4                        | 6.6              | 10.1                 | 8.4          | 8.2         | 7.6                            | 8.6              | 7.2                  | 7.7          | 7.3         | 161 |
| 6.2                        | 5.0              | 5.7                  | 7.7          | 5.7         | 8.6                            | 12.6             | 8.1                  | 7.8          | 7.0         | 162 |
| 13.4                       | 8.7              | 14.6                 | 13.7         | 16.7        | 10.2                           | 11.7             | 10.9                 | 10.3         | 8.3         | 163 |
| 4.4                        | 2.9              | 6.1                  | 3.7          | 5.0         | 8.6                            | 12.1             | 8.6                  | 8.2          | 6.5         | 164 |
| 13.5                       | 10.4             | 16.0                 | 14.7         | 11.9        | 8.5                            | 9.6              | 9.1                  | 8.0          | 7.3         | 165 |
| 6.3                        | 5.2              | 7.1                  | 7.3          | 4.7         | 4.6                            | 4.5              | 5.0                  | 4.8          | 3.3         | 166 |
| 5.3                        | 3.1              | 8.9                  | 4.4          | 4.2         | 4.9                            | 5.0              | 5.0                  | 5.0          | 4.3         | 167 |
| 10.3                       | 9.1              | 11.0                 | 10.7         | 10.4        | 10.4                           | 13.8             | 11.0                 | 9.2          | 8.1         | 168 |
| 14.8                       | 10.8             | 18.6                 | 15.2         | 13.4        | 5.3                            | 6.6              | 5.6                  | 5.3          | 3.7         | 169 |
| 15.4                       | 14.7             | 19.0                 | 13.4         | 14.7        | 6.1                            | 6.8              | 5.9                  | 5.7          | 6.1         | 170 |
| 2.6                        | 2.7              | 3.0                  | 2.1          | 3.2         | 7.7                            | 9.0              | 8.8                  | 6.0          | 7.0         | 171 |
| 12.8                       | 12.2             | 16.0                 | 11.3         | 11.4        | 5.7                            | 6.3              | 5.4                  | 5.6          | 5.8         | 172 |
| 3.3                        | 2.5              | 3.1                  | 3.1          | 5.0         | 7.8                            | 8.1              | 5.8                  | 9.0          | 7.9         | 173 |
| 29.8                       | 24.5             | 32.7                 | 33.2         | 26.4        | 4.8                            | 5.8              | 4.6                  | 4.6          | 4.4         | 174 |
| 2.9                        | 3.5              | 3.5                  | 2.6          | 1.7         | 4.1                            | 4.2              | 4.7                  | 3.8          | 3.0         | 175 |
| 3.3                        | 2.5              | 3.3                  | 3.4          | 3.7         | 3.4                            | 3.9              | 3.3                  | 3.3          | 3.2         | 176 |
| 5.5                        | 4.8              | 6.3                  | 6.3          | 4.0         | 3.9                            | 4.3              | 3.9                  | 3.9          | 3.2         | 177 |
| 18.2                       | 13.9             | 19.6                 | 20.7         | 17.2        | 5.4                            | 7.1              | 5.0                  | 5.0          | 5.1         | 178 |
| 168.4                      | 140.8            | 179.1                | 173.1        | 177.9       | 7.4                            | 8.8              | 7.4                  | 7.4          | 6.1         | 179 |
| 7.3                        | 6.8              | 8.2                  | 6.3          | 8.5         | 5.6                            | 6.8              | 6.1                  | 4.9          | 4.7         | 180 |
| 3.1                        | 2.1              | 3.5                  | 3.7          | 2.7         | 13.2                           | 12.2             | 14.4                 | 13.9         | 10.3        | 181 |
| 6.0                        | 5.4              | 7.0                  | 4.9          | 7.5         | 4.0                            | 4.8              | 3.6                  | 5.1          | 2.8         | 182 |
| 9.5                        | 10.8             | 10.3                 | 8.7          | 8.2         | 20.6                           | 26.0             | 19.7                 | 18.8         | 16.8        | 183 |
| 28.7                       | 23.8             | 30.3                 | 27.3         | 34.6        | 9.4                            | 10.7             | 9.8                  | 9.4          | 7.9         | 184 |
| 9.3                        | 7.5              | 12.0                 | 7.3          | 10.9        | 5.1                            | 5.5              | 5.3                  | 4.9          | 4.5         | 185 |
| 15.7                       | 9.1              | 15.6                 | 23.2         | 10.7        | 7.4                            | 9.6              | 7.3                  | 7.2          | 5.7         | 186 |
| 8.8                        | 11.6             | 9.2                  | 7.0          | 7.7         | 3.3                            | 3.5              | 3.3                  | 3.8          | 2.3         | 187 |
| 5.6                        | 3.9              | 6.8                  | 5.3          | 6.2         | 7.7                            | 7.5              | 7.7                  | 7.8          | 7.7         | 188 |
| 3.4                        | 2.7              | 2.3                  | 4.4          | 3.7         | 8.6                            | 7.9              | 9.9                  | 9.0          | 7.5         | 189 |
| 5.4                        | 4.8              | 6.1                  | 5.3          | 5.2         | 4.4                            | 6.2              | 4.1                  | 4.2          | 3.4         | 190 |
| 11.2                       | 7.9              | 10.1                 | 13.3         | 13.2        | 5.0                            | 5.3              | 5.4                  | 5.0          | 4.4         | 191 |
| 2.1                        | 1.5              | 1.9                  | 2.6          | 2.0         | 6.8                            | 9.3              | 6.3                  | 5.7          | 7.6         | 192 |
| 4.1                        | 3.7              | 4.3                  | 4.9          | 3.2         | 13.0                           | 10.7             | 12.4                 | 15.3         | 11.1        | 193 |
| 22.4                       | 16.6             | 23.6                 | 24.3         | 24.6        | 5.3                            | 5.8              | 5.0                  | 5.4          | 5.1         | 194 |
| 7.2                        | 6.6              | 7.3                  | 6.4          | 9.0         | 4.6                            | 6.2              | 5.0                  | 4.4          | 2.9         | 195 |
| 2.5                        | 2.1              | 2.6                  | 3.1          | 2.0         | 3.4                            | 4.2              | 2.5                  | 3.7          | 3.0         | 196 |
| 4.6                        | 4.4              | 5.2                  | 4.4          | 4.5         | 4.3                            | 5.5              | 4.2                  | 4.4          | 3.1         | 197 |
| 11.6                       | 9.3              | 12.9                 | 10.9         | 13.4        | 7.4                            | 9.0              | 7.5                  | 6.8          | 6.7         | 198 |

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, 1979—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 |
|---------------------------------------|---|-------------|-----------|---------------|-------|------|
|                                       |   |             |           |               |       |      |
| 199                                   | Supplementary classification of factors influencing health status . . . . . V01-V82   | 4,302       | 876       | 1,202         | 1,448 | 777  |
| 200                                   | Persons with potential health hazards related to personal and family history . . . . . V10-V19  | 92          | 14        | 30            | 30    | 18   |
| 201                                   | Persons admitted for sterilization . . . . . V25.2  | 268         | 65        | 67            | 103   | 32   |
| 202                                   | Females with deliveries . . . . . V27   | 3,646       | 726       | 1,012         | 1,235 | 673  |
| 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 | 296         | 70        | 92            | 80    | 54   |

<sup>1</sup> First-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, 1979—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 |                  |                      |              |             |     |
| 199.3                      | 181.6            | 209.0                | 207.0        | 193.3       | 3.7                            | 4.2              | 4.0                  | 3.6          | 2.9         | 199 |
| 4.3                        | 2.9              | 5.2                  | 4.3          | 4.5         | 6.0                            | 6.1              | 5.6                  | 6.9          | 5.2         | 200 |
| 12.4                       | 13.5             | 11.6                 | 14.7         | 8.0         | 2.2                            | 2.4              | 2.2                  | 2.3          | 1.7         | 201 |
| 168.9                      | 150.5            | 176.0                | 176.6        | 167.4       | 3.7                            | 4.4              | 4.1                  | 3.5          | 2.9         | 202 |
| 13.7                       | 14.5             | 16.0                 | 11.4         | 13.4        | 4.1                            | 4.0              | 3.9                  | 4.7          | 3.5         | 203 |

Table 5. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1979

[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 | North-east | North Central | South  | West   | All regions | North-east | North Central | South   | West    |
|---|-------------|------------|---------------|--------|--------|-------------|------------|---------------|---------|---------|
|   |             |            |               |        |        |             |            |               |         |         |
| All conditions.....   | 86,117      | 18,156     | 25,159        | 29,238 | 13,564 | 3,989.0     | 3,764.3    | 4,374.3       | 4,180.4 | 3,374.7 |
| Class 1. Infections and parasitic diseases.....001-139  | 1,407       | 287        | 378           | 529    | 213    | 65.2        | 59.5       | 65.7          | 75.6    | 53.0    |
| Viral diseases... 045-079, 138, 139.0-139.1   | 437         | 91         | 121           | 164    | 61     | 20.2        | 18.9       | 21.0          | 23.4    | 15.2    |
| Other infectious and parasitic diseases.....001-041, 080-137, 139.8   | 970         | 196        | 256           | 365    | 152    | 44.9        | 40.6       | 44.5          | 52.2    | 37.8    |
| Class 2. Neoplasms.....140-239  | 4,014       | 1,019      | 1,197         | 1,154  | 644    | 185.9       | 211.3      | 208.1         | 165.0   | 160.2   |
| Malignant neoplasms.....140-208   | 2,828       | 720        | 868           | 764    | 475    | 131.0       | 149.3      | 150.9         | 109.2   | 118.2   |
| Malignant neoplasm of lip, oral cavity, and pharynx.....140-149   | 57          | 12         | 14            | 15     | 16     | 2.6         | 2.5        | 2.4           | 2.1     | 4.0     |
| Malignant neoplasm of large intestine and rectum.....153-154, 197.5   | 245         | 69         | 77            | 62     | 37     | 11.3        | 14.3       | 13.4          | 8.9     | 9.2     |
| Malignant neoplasm of other digestive organs and peritoneum.....150-152, 155-159, 197.4, 197.6-197.8                                  | 274         | 79         | 79            | 74     | 42     | 12.7        | 16.4       | 13.7          | 10.6    | 10.4    |
| Malignant neoplasm of trachea, bronchus, and lung.....162, 197.0, 197.3   | 392         | 92         | 107           | 121    | 72     | 18.2        | 19.1       | 18.6          | 17.3    | 17.9    |
| Malignant neoplasm of bone, connective tissue, and skin.....170-173, 198.2, 198.5   | 261         | 69         | 75            | 74     | 43     | 12.1        | 14.3       | 13.0          | 10.6    | 10.7    |
| Malignant neoplasm of breast.....174-175, 198.81  | 258         | 75         | 88            | 57     | 38     | 12.0        | 15.5       | 15.3          | 8.1     | 9.5     |
| Malignant neoplasm of female genital organs.....179-184, 198.6  | 192         | 41         | 65            | 54     | 32     | 8.9         | 8.5        | 11.3          | 7.7     | 8.0     |
| Malignant neoplasm of prostate.....185  | 200         | 53         | 56            | 57     | 33     | 9.3         | 11.0       | 9.7           | 8.1     | 8.2     |
| Malignant neoplasm of urinary organs.....188, 189, 198.0-198.1  | 166         | 46         | 51            | 44     | 26     | 7.7         | 9.5        | 8.9           | 6.3     | 6.5     |
| Leukemia.....204-208  | 87          | 19         | 27            | 27     | 14     | 4.0         | 3.9        | 4.7           | 3.9     | 3.5     |
| Other malignant neoplasm of hematopoietic tissue...196, 200-203   | 212         | 52         | 75            | 50     | 36     | 9.8         | 10.8       | 13.0          | 7.1     | 9.0     |
| Malignant neoplasm of other and unspecified sites.....160-161, 163-165, 186-187, 190-195, 197.1-197.2, 198.3-198.4, 198.7, 198.82-199 | 485         | 115        | 153           | 131    | 86     | 22.5        | 23.8       | 26.6          | 18.7    | 21.4    |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior...210-239  | 1,186       | 299        | 329           | 390    | 169    | 54.9        | 62.0       | 57.2          | 55.8    | 42.0    |
| Benign neoplasm of the digestive system.....210-211   | 113         | 31         | 32            | 35     | 15     | 5.2         | 6.4        | 5.6           | 5.0     | 3.7     |
| Benign neoplasm of bone and connective tissue.....213-215   | 153         | 34         | 47            | 45     | 27     | 7.1         | 7.0        | 8.2           | 6.4     | 6.7     |
| Benign neoplasm of the breast.....217   | 69          | 16         | 20            | 27     | 6      | 3.2         | 3.3        | 3.5           | 3.9     | 1.5     |
| Benign neoplasm of the uterus.....218-219   | 340         | 87         | 84            | 121    | 48     | 15.7        | 18.0       | 14.6          | 17.3    | 11.9    |
| Benign neoplasm of other female genital organs.....220-221  | 49          | 12         | 11            | 15     | 11     | 2.3         | 2.5        | 1.9           | 2.1     | 2.7     |
| Other benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior.....212, 216, 222-239                                  | 463         | 119        | 135           | 147    | 62     | 21.4        | 24.7       | 23.5          | 21.0    | 15.4    |
| Class 3. Endocrine, nutritional and metabolic diseases, and immunity disorders.....240-279  | 4,646       | 1,010      | 1,417         | 1,577  | 643    | 215.2       | 209.4      | 246.4         | 225.5   | 160.0   |
| Diseases of the thyroid gland.....240-246   | 339         | 81         | 116           | 88     | 55     | 15.7        | 16.8       | 20.2          | 12.6    | 13.7    |
| Diabetes mellitus without complication.....250.0  | 1,709       | 430        | 486           | 583    | 210    | 79.2        | 89.2       | 84.5          | 83.4    | 52.2    |
| Diabetes mellitus with complication.....250.1-250.9   | 427         | 109        | 123           | 133    | 63     | 19.8        | 22.6       | 21.4          | 19.0    | 15.7    |
| Other diseases of the endocrine glands.....251-259  | 221         | 38         | 65            | 81     | 37     | 10.2        | 7.9        | 11.3          | 11.6    | 9.2     |
| Obesity.....278.0   | 639         | 110        | 232           | 213    | 84     | 29.6        | 22.8       | 40.3          | 30.5    | 20.9    |

See footnote at end of table.



Table 5. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1979—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   | North-east   | North Central | South        | West         | All regions  | North-east   | North Central | South        | West         |
|--|---------------|--------------|---------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|
|  |               |              |               |              |              |              |              |               |              |              |
| Other nutritional deficiencies and metabolic and immunity disorders . . . . . 260-277, 278.1-279 | 1,311         | 241          | 395           | 480          | 195          | 60.7         | 50.0         | 68.7          | 68.6         | 48.5         |
| <b>Class 4. Diseases of the blood and blood-forming organs . . . . . 280-289</b>                 | <b>1,408</b>  | <b>321</b>   | <b>394</b>    | <b>463</b>   | <b>230</b>   | <b>65.2</b>  | <b>66.6</b>  | <b>68.5</b>   | <b>66.2</b>  | <b>57.2</b>  |
| Anemias . . . . . 280-285  | 1,083         | 248          | 299           | 366          | 170          | 50.2         | 51.4         | 52.0          | 52.3         | 42.3         |
| Other diseases of the blood and blood-forming organs . . . . . 286-289                           | 325           | 73           | 95            | 97           | 60           | 15.1         | 15.1         | 16.5          | 13.9         | 14.9         |
| <b>Class 5. Mental disorders . . . . . 290-319</b>   | <b>3,856</b>  | <b>964</b>   | <b>1,217</b>  | <b>1,045</b> | <b>630</b>   | <b>178.6</b> | <b>199.9</b> | <b>211.6</b>  | <b>149.4</b> | <b>156.7</b> |
| Organic psychotic conditions . . . . . 290-294   | 251           | 64           | 73            | 65           | 49           | 11.6         | 13.3         | 12.7          | 9.3          | 12.2         |
| Schizophrenic disorders . . . . . 295  | 271           | 78           | 74            | 66           | 54           | 12.6         | 16.2         | 12.9          | 9.4          | 13.4         |
| Other psychoses . . . . . 296-299  | 322           | 78           | 101           | 78           | 65           | 14.9         | 16.2         | 17.6          | 11.2         | 16.2         |
| Anxiety states . . . . . 300.0   | 296           | 56           | 86            | 124          | 31           | 13.7         | 11.6         | 15.0          | 17.7         | 7.7          |
| Other neuroses and personality disorders . . . . . 300.1-301                                     | 667           | 122          | 233           | 217          | 94           | 30.9         | 25.3         | 40.5          | 31.0         | 23.4         |
| Alcohol dependence syndrome . . . . . 303  | 821           | 319          | 231           | 134          | 138          | 38.0         | 66.1         | 40.2          | 19.2         | 34.3         |
| Drug dependence . . . . . 304  | 74            | 18           | 37            | 11           | 9            | 3.4          | 3.7          | 6.4           | 1.6          | 2.2          |
| Nondependent abuse of drugs (including alcohol) . . . . . 305                                    | 206           | 43           | 68            | 47           | 49           | 9.5          | 8.9          | 11.8          | 6.7          | 12.2         |
| Other mental disorders and mental retardation . . . . . 302, 306-319                             | 947           | 187          | 314           | 304          | 142          | 43.9         | 38.8         | 54.6          | 43.5         | 35.3         |
| <b>Class 6. Diseases of the nervous system and sense organs . . . . . 320-389</b>                | <b>3,624</b>  | <b>761</b>   | <b>1,163</b>  | <b>1,065</b> | <b>635</b>   | <b>167.9</b> | <b>157.8</b> | <b>202.2</b>  | <b>152.3</b> | <b>158.0</b> |
| Epilepsy . . . . . 345   | 130           | 20           | 38            | 52           | 20           | 6.0          | 4.1          | 6.6           | 7.4          | 5.0          |
| Other disorders of the central nervous system . . . . . 320-336, 340-344, 346-349                | 983           | 219          | 303           | 310          | 151          | 45.5         | 45.4         | 52.7          | 44.3         | 37.6         |
| Disorders of the peripheral nervous system . . . . . 337, 350-359                                | 470           | 88           | 151           | 144          | 86           | 21.8         | 18.2         | 26.3          | 20.6         | 21.4         |
| Cataract . . . . . 366   | 469           | 117          | 138           | 124          | 90           | 21.7         | 24.3         | 24.0          | 17.7         | 22.4         |
| Other disorders of the eye . . . . . 360-365, 367-379  | 750           | 166          | 250           | 187          | 148          | 34.7         | 34.4         | 43.5          | 26.7         | 36.8         |
| Otitis media and eustachian tube disorders . . . . . 381-382                                     | 450           | 84           | 154           | 141          | 71           | 20.8         | 17.4         | 26.8          | 20.2         | 17.7         |
| Other diseases of the ear and mastoid process . . . . . 380, 383-389                             | 373           | 66           | 130           | 108          | 70           | 17.3         | 13.7         | 22.6          | 15.4         | 17.4         |
| <b>Class 7. Diseases of the circulatory system . . . . . 390-459</b>                             | <b>15,559</b> | <b>3,658</b> | <b>4,276</b>  | <b>5,361</b> | <b>2,265</b> | <b>720.7</b> | <b>758.4</b> | <b>743.5</b>  | <b>766.5</b> | <b>563.5</b> |
| Essential hypertension . . . . . 401   | 1,705         | 363          | 510           | 604          | 228          | 79.0         | 75.3         | 88.7          | 86.4         | 56.7         |
| Heart disease . . . . . 391-392.0, 393-398, 402, 404, 410-429                                    | 9,529         | 2,365        | 2,542         | 3,207        | 1,415        | 441.4        | 490.3        | 442.0         | 458.5        | 352.1        |
| Hypertensive heart disease . . . . . 402, 404  | 441           | 97           | 104           | 188          | 51           | 20.4         | 20.1         | 18.1          | 26.9         | 12.7         |
| Acute myocardial infarction . . . . . 410  | 688           | 182          | 170           | 222          | 114          | 31.9         | 37.7         | 29.6          | 31.7         | 28.4         |
| Other acute and subacute forms of ischemic heart disease . . . . . 411                           | 332           | 96           | 83            | 108          | 45           | 15.4         | 19.9         | 14.4          | 15.4         | 11.2         |
| Angina pectoris . . . . . 413  | 601           | 125          | 146           | 238          | 92           | 27.8         | 25.9         | 25.4          | 34.0         | 22.9         |
| Coronary atherosclerosis . . . . . 414.0   | 1,837         | 545          | 508           | 555          | 229          | 85.1         | 113.0        | 88.3          | 79.4         | 57.0         |
| Other chronic ischemic heart disease . . . . . 412, 414.1-414.9                                  | 1,183         | 278          | 323           | 385          | 197          | 54.8         | 57.6         | 56.2          | 55.0         | 49.0         |
| Pulmonary heart disease . . . . . 415-416  | 234           | 56           | 65            | 71           | 42           | 10.8         | 11.6         | 11.3          | 10.2         | 10.4         |
| Cardiac dysrhythmias . . . . . 427   | 1,274         | 295          | 366           | 409          | 204          | 59.0         | 61.2         | 63.6          | 58.5         | 50.8         |
| Congestive heart failure . . . . . 428.0   | 1,216         | 310          | 316           | 405          | 184          | 56.3         | 64.3         | 54.9          | 57.9         | 45.8         |
| Cardiovascular disease, unspecified . . . . . 429.2  | 485           | 111          | 89            | 231          | 54           | 22.5         | 23.0         | 15.5          | 33.0         | 13.4         |
| Other heart disease . . . . . 391, 392.0, 393-398, 420-426, 428.1-429.1, 429.3-429.9             | 1,238         | 269          | 371           | 395          | 203          | 57.3         | 55.8         | 64.5          | 56.5         | 50.5         |
| Intracranial hemorrhage . . . . . 430-432  | 68            | 14           | 20            | 20           | 14           | 3.1          | 2.9          | 3.5           | 2.9          | 3.5          |
| Occlusion of cerebral arteries . . . . . 434   | 167           | 41           | 48            | 54           | 23           | 7.7          | 8.5          | 8.3           | 7.7          | 5.7          |
| Transient cerebral ischemia . . . . . 435  | 290           | 66           | 87            | 99           | 37           | 13.4         | 13.7         | 15.1          | 14.2         | 9.2          |

See footnote at end of table.

Table 5. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1979—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  | North-east   | North Central | South        | West         | All regions  | North-east   | North Central | South        | West         |
|---|--------------|--------------|---------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|
|   |              |              |               |              |              |              |              |               |              |              |
| Acute, but ill-defined, cerebrovascular disease..... 436                                  | 352          | 76           | 89            | 133          | 53           | 16.3         | 15.8         | 15.5          | 19.0         | 13.2         |
| Other cerebrovascular disease..... 433, 437-438   | 748          | 163          | 218           | 265          | 103          | 34.6         | 33.8         | 37.9          | 37.9         | 25.6         |
| Atherosclerosis..... 440  | 1,022        | 203          | 271           | 408          | 141          | 47.3         | 42.1         | 47.1          | 58.3         | 35.1         |
| Aneurysm..... 441-442   | 125          | 28           | 38            | 33           | 26           | 5.8          | 5.8          | 6.6           | 4.7          | 6.5          |
| Other diseases of arteries, arterioles, and capillaries..... 443-448                      | 367          | 82           | 102           | 119          | 63           | 17.0         | 17.0         | 17.7          | 17.0         | 15.7         |
| Phlebitis and thrombophlebitis..... 451   | 221          | 51           | 65            | 77           | 28           | 10.2         | 10.6         | 11.3          | 11.0         | 7.0          |
| Varicose veins of lower extremities..... 454  | 150          | 38           | 48            | 43           | 22           | 6.9          | 7.9          | 8.3           | 6.1          | 5.5          |
| Hemorrhoids..... 455  | 400          | 80           | 116           | 160          | 45           | 18.5         | 16.6         | 20.2          | 22.9         | 11.2         |
| Other diseases of the circulatory system..... 390, 392.9, 403, 405, 417, 452-453, 456-459 | 416          | 87           | 121           | 139          | 68           | 19.3         | 18.0         | 21.0          | 19.9         | 16.9         |
| <b>Class 8. Diseases of the respiratory system..... 460-519</b>                           | <b>6,322</b> | <b>1,181</b> | <b>1,873</b>  | <b>2,380</b> | <b>887</b>   | <b>292.8</b> | <b>244.9</b> | <b>325.6</b>  | <b>340.3</b> | <b>220.7</b> |
| Acute bronchitis and bronchiolitis..... 466   | 333          | 55           | 102           | 144          | 32           | 15.4         | 11.4         | 17.7          | 20.6         | 8.0          |
| Other acute upper respiratory infections, except influenza..... 460-465                   | 528          | 87           | 157           | 232          | 51           | 24.5         | 18.0         | 27.3          | 33.2         | 12.7         |
| Deviated nasal septum..... 470  | 156          | 34           | 73            | 30           | 20           | 7.2          | 7.0          | 12.7          | 4.3          | 5.0          |
| Chronic disease of tonsils and adenoids..... 474  | 614          | 100          | 216           | 190          | 108          | 28.4         | 20.7         | 37.6          | 27.2         | 26.9         |
| Pneumonia, all forms..... 480-486   | 1,138        | 194          | 302           | 502          | 140          | 52.7         | 40.2         | 52.5          | 71.8         | 34.8         |
| Influenza..... 487  | 89           | 6            | 20            | 44           | 19           | 4.1          | 1.2          | 3.5           | 6.3          | 4.7          |
| Bronchitis, chronic and unspecified..... 490-491  | 501          | 101          | 140           | 194          | 65           | 23.2         | 20.9         | 24.3          | 27.7         | 16.2         |
| Emphysema..... 492  | 262          | 48           | 69            | 116          | 29           | 12.1         | 10.0         | 12.0          | 16.6         | 7.2          |
| Asthma..... 493   | 513          | 119          | 142           | 171          | 81           | 23.8         | 24.7         | 24.7          | 24.4         | 20.2         |
| Pleurisy..... 511   | 194          | 43           | 52            | 70           | 29           | 9.0          | 8.9          | 9.0           | 10.0         | 7.2          |
| Other diseases of the respiratory system..... 471-473, 475-478, 494-496, 500-510, 512-519 | 1,994        | 394          | 599           | 687          | 315          | 92.4         | 81.7         | 104.1         | 98.2         | 78.4         |
| <b>Class 9. Diseases of the digestive system..... 520-579</b>                             | <b>8,518</b> | <b>1,742</b> | <b>2,491</b>  | <b>3,126</b> | <b>1,158</b> | <b>394.6</b> | <b>361.2</b> | <b>433.1</b>  | <b>446.9</b> | <b>288.1</b> |
| Disturbance of tooth eruption..... 520.6  | 130          | 37           | 59            | 31           | 4            | 6.0          | 7.7          | 10.3          | 4.4          | 1.0          |
| Other diseases of the teeth, jaw and mouth..... 520.0-520.5, 520.7-529                    | 338          | 85           | 119           | 102          | 32           | 15.7         | 17.6         | 20.7          | 14.6         | 8.0          |
| Diseases of the esophagus..... 530  | 391          | 63           | 103           | 166          | 59           | 18.1         | 13.1         | 17.9          | 23.7         | 14.7         |
| Gastric ulcer..... 531  | 160          | 31           | 47            | 55           | 27           | 7.4          | 6.4          | 8.2           | 7.9          | 6.7          |
| Duodenal ulcer..... 532   | 258          | 47           | 74            | 104          | 33           | 12.0         | 9.7          | 12.9          | 14.9         | 8.2          |
| Other and unspecified peptic ulcer..... 533-534   | 180          | 34           | 42            | 82           | 22           | 8.3          | 7.0          | 7.3           | 11.7         | 5.5          |
| Gastritis and duodenitis..... 535   | 593          | 90           | 169           | 281          | 53           | 27.5         | 18.7         | 29.4          | 40.2         | 13.2         |
| Other diseases of the stomach..... 536-537  | 195          | 23           | 60            | 94           | 19           | 9.0          | 4.8          | 10.4          | 13.4         | 4.7          |
| Acute appendicitis without mention of peritonitis..... 540.9                              | 184          | 36           | 55            | 55           | 38           | 8.5          | 7.5          | 9.6           | 7.9          | 9.5          |
| Other appendicitis and other diseases of the appendix..... 540.0-540.1, 541-543           | 145          | 28           | 49            | 48           | 21           | 6.7          | 5.8          | 8.5           | 6.9          | 5.2          |
| Inguinal hernia..... 550  | 569          | 147          | 174           | 153          | 95           | 26.4         | 30.5         | 30.3          | 21.9         | 23.6         |
| Other hernia of abdominal cavity..... 551-553   | 786          | 149          | 219           | 318          | 100          | 36.4         | 30.9         | 38.1          | 45.5         | 24.9         |
| Regional enteritis and idiopathic proctocolitis..... 555-556                              | 88           | 21           | 30            | 25           | 12           | 4.1          | 4.4          | 5.2           | 3.6          | 3.0          |
| Other noninfectious gastroenteritis and colitis..... 558                                  | 741          | 113          | 206           | 328          | 94           | 34.3         | 23.0         | 35.8          | 46.9         | 23.4         |
| Intestinal obstruction without mention of hernia..... 560                                 | 289          | 59           | 89            | 93           | 48           | 13.4         | 12.2         | 15.5          | 13.3         | 11.9         |
| Diverticula of intestine..... 562   | 544          | 119          | 165           | 196          | 66           | 25.2         | 24.7         | 28.7          | 28.0         | 16.4         |
| Other functional digestive disorders of intestines..... 564                               | 316          | 42           | 119           | 122          | 33           | 14.6         | 8.7          | 20.7          | 17.4         | 8.2          |
| Anal fissure, fistula, and abscess..... 565-566   | 147          | 35           | 41            | 49           | 22           | 6.8          | 7.3          | 7.1           | 7.0          | 5.5          |
| Other disorders of intestine and peritoneum..... 557, 567-569                             | 512          | 105          | 154           | 176          | 76           | 23.7         | 21.8         | 26.8          | 25.2         | 18.9         |
| Chronic liver disease and cirrhosis..... 571  | 312          | 95           | 76            | 86           | 55           | 14.5         | 19.7         | 13.2          | 12.3         | 13.7         |
| Other diseases of the liver..... 570, 572-573   | 167          | 40           | 41            | 54           | 31           | 7.7          | 8.3          | 7.1           | 7.7          | 7.7          |

See footnote at end of table.

Table 5. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1979—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<br>ICD-9-CM code   | All<br>regions | North-<br>east | North<br>Central | South        | West         | All<br>regions | North-<br>east | North<br>Central | South        | West         |
|--|----------------|----------------|------------------|--------------|--------------|----------------|----------------|------------------|--------------|--------------|
|  |                |                |                  |              |              |                |                |                  |              |              |
| Cholelithiasis..... 574  | 673            | 162            | 182              | 241          | 89           | 31.2           | 33.6           | 31.6             | 34.5         | 22.1         |
| Cholecystitis..... 575.0-575.1   | 171            | 30             | 51               | 66           | 23           | 7.9            | 6.2            | 8.9              | 9.4          | 5.7          |
| Other disorders of gallbladder and biliary tract..... 575.2-576  | 125            | 30             | 31               | 47           | 16           | 5.8            | 6.2            | 5.4              | 6.7          | 4.0          |
| Diseases of the pancreas..... 577  | 196            | 48             | 53               | 64           | 32           | 9.1            | 10.0           | 9.2              | 9.2          | 8.0          |
| Gastrointestinal hemorrhage and intestinal malabsorption..... 578-579  | 306            | 73             | 84               | 91           | 59           | 14.2           | 15.1           | 14.6             | 13.0         | 14.7         |
| <b>Class 10. Diseases of the genitourinary system..... 580-629</b>   | <b>7,486</b>   | <b>1,512</b>   | <b>2,168</b>     | <b>2,788</b> | <b>1,019</b> | <b>346.8</b>   | <b>313.5</b>   | <b>376.9</b>     | <b>398.6</b> | <b>253.5</b> |
| Nephritis, nephrotic syndrome, and nephrosis..... 580-589  | 452            | 101            | 127              | 134          | 90           | 20.9           | 20.9           | 22.1             | 19.2         | 22.4         |
| Infections of kidney..... 590  | 216            | 35             | 48               | 105          | 28           | 10.0           | 7.3            | 8.3              | 15.0         | 7.0          |
| Calculus of kidney and ureter..... 592   | 373            | 74             | 101              | 150          | 48           | 17.3           | 15.3           | 17.6             | 21.4         | 11.9         |
| Cystitis..... 595  | 296            | 51             | 98               | 125          | 22           | 13.7           | 10.6           | 17.0             | 17.9         | 5.5          |
| Urethral stricture..... 598  | 189            | 35             | 65               | 76           | 13           | 8.8            | 7.3            | 11.3             | 10.9         | 3.2          |
| Other disorders of urinary system..... 591, 593-594, 596-597, 599  | 1,429          | 289            | 415              | 542          | 183          | 66.2           | 59.9           | 72.2             | 77.5         | 45.5         |
| Hyperplasia of prostate..... 600   | 455            | 106            | 142              | 139          | 67           | 21.1           | 22.0           | 24.7             | 19.9         | 16.7         |
| Other disorders of the male genital organs..... 601-608  | 430            | 88             | 127              | 161          | 55           | 19.9           | 18.2           | 22.1             | 23.0         | 13.7         |
| Benign mammary dysplasia..... 610  | 196            | 38             | 62               | 71           | 25           | 9.1            | 7.9            | 10.8             | 10.2         | 6.2          |
| Inflammatory disease of breast..... 611  | 132            | 27             | 38               | 46           | 22           | 6.1            | 5.6            | 6.6              | 6.6          | 5.5          |
| Cervicitis and endocervicitis..... 616.0   | 211            | 48             | 59               | 87           | 18           | 9.8            | 10.0           | 10.3             | 12.4         | 4.5          |
| Other inflammatory disease of female pelvic organs..... 614-615, 616.1-616.9   | 560            | 91             | 159              | 216          | 94           | 25.9           | 18.9           | 27.6             | 30.9         | 23.4         |
| Endometriosis..... 617   | 293            | 54             | 73               | 108          | 59           | 13.6           | 11.2           | 12.7             | 15.4         | 14.7         |
| Genital prolapse (female)..... 618   | 343            | 58             | 103              | 138          | 44           | 15.9           | 12.0           | 17.9             | 19.7         | 10.9         |
| Disorders of menstruation and other abnormal vaginal bleeding..... 626   | 621            | 145            | 176              | 227          | 72           | 28.8           | 30.1           | 30.6             | 32.5         | 17.9         |
| Menopausal and postmenopausal disorders..... 627   | 113            | 33             | 33               | 32           | 14           | 5.2            | 6.8            | 5.7              | 4.6          | 3.5          |
| Other disruptions of the female genital tract..... 619-625, 628-629  | 1,176          | 237            | 342              | 432          | 165          | 54.5           | 49.1           | 59.5             | 61.8         | 41.1         |
| <b>Class 11. Complications of pregnancy, childbirth, and the puerperium<sup>1</sup>..... 630-676</b>                     | <b>5,456</b>   | <b>1,151</b>   | <b>1,521</b>     | <b>1,805</b> | <b>979</b>   | <b>252.7</b>   | <b>238.6</b>   | <b>264.5</b>     | <b>258.1</b> | <b>243.6</b> |
| Ectopic pregnancy..... 633   | 50             | 12             | 13               | 16           | 10           | 2.3            | 2.5            | 2.3              | 2.3          | 2.5          |
| Induced abortion..... 635-636  | 203            | 102            | 44               | 25           | 31           | 9.4            | 21.1           | 7.7              | 3.6          | 7.7          |
| Other pregnancy with abortive outcome..... 630-632, 634, 637-639   | 317            | 77             | 91               | 107          | 42           | 14.7           | 16.0           | 15.8             | 15.3         | 10.4         |
| Antepartum hemorrhage, abruptio placentae, and placenta previa..... 641  | 93             | 18             | 28               | 30           | 17           | 4.3            | 3.7            | 4.9              | 4.3          | 4.2          |
| Hypertension complicating pregnancy, childbirth, and the puerperium..... 642   | 168            | 34             | 36               | 65           | 32           | 7.8            | 7.0            | 6.3              | 9.3          | 8.0          |
| False labor..... 644.1   | 133            | 20             | 46               | 50           | 17           | 6.2            | 4.1            | 8.0              | 7.1          | 4.2          |
| Fetopelvic disproportion..... 653.4  | 141            | 31             | 30               | 58           | 22           | 6.5            | 6.4            | 5.2              | 8.3          | 5.5          |
| Uterine scar from previous surgery..... 654.2  | 198            | 47             | 50               | 66           | 35           | 9.2            | 9.7            | 8.7              | 9.4          | 8.7          |
| Rupture of membranes..... 658.1-658.3  | 146            | 32             | 43               | 42           | 29           | 6.8            | 6.6            | 7.5              | 6.0          | 7.2          |
| Umbilical cord complications..... 663  | 56             | 10             | 16               | 15           | 14           | 2.6            | 2.1            | 2.8              | 2.1          | 3.5          |
| Trauma to perineum and vulva during delivery..... 664  | 304            | 52             | 90               | 88           | 74           | 14.1           | 10.8           | 15.6             | 12.6         | 18.4         |
| Other complications of pregnancy..... 640, 643-644.0, 644.2-648, 651-653.3, 635.5-654.1, 654.3-658.0, 658.4-662, 665-676 | 1,863          | 354            | 504              | 693          | 311          | 86.3           | 73.4           | 87.6             | 99.1         | 77.4         |
| Delivery without mention of complication..... 650  | 1,785          | 360            | 531              | 549          | 345          | 82.7           | 74.6           | 92.3             | 78.5         | 85.8         |
| Complications of delivery..... 640-648, 651-676, with 5th digit 1 or 2   | 2,498          | ...            | ...              | ...          | ...          | 115.7          | ...            | ...              | ...          | ...          |

See footnote at end of table.

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[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<br>ICD-9-CM code   | All<br>regions | North-<br>east | North<br>Central | South | West  | All<br>regions | North-<br>east | North<br>Central | South | West  |
|--|----------------|----------------|------------------|-------|-------|----------------|----------------|------------------|-------|-------|
|  |                |                |                  |       |       |                |                |                  |       |       |
| Class 12. Diseases of the skin and<br>subcutaneous tissue . . . . . 680-709  | 1,247          | 267            | 372              | 416   | 192   | 57.8           | 55.4           | 64.7             | 59.5  | 47.8  |
| Cellulitis and abscess, except of digit . . . 682  | 268            | 60             | 71               | 96    | 41    | 12.4           | 12.4           | 12.3             | 13.7  | 10.1  |
| Pilonidal cyst . . . . . 685   | 67             | 21             | 17               | 20    | 9     | 3.1            | 4.4            | 3.0              | 2.9   | 2.2   |
| Other infections of the skin and<br>subcutaneous tissue . . . . . 680-681,<br>683-684, 686   | 122            | 25             | 32               | 44    | 22    | 5.7            | 5.2            | 5.6              | 6.3   | 5.5   |
| Other diseases of the skin and<br>subcutaneous tissue . . . . . 690-709  | 790            | 161            | 252              | 256   | 121   | 36.6           | 33.4           | 43.8             | 36.6  | 30.1  |
| Class 13. Diseases of the musculoskeletal<br>system and connective tissue . . . . 710-739  | 4,628          | 794            | 1,497            | 1,560 | 777   | 214.4          | 164.6          | 260.3            | 223.0 | 193.3 |
| Rheumatoid arthritis, except spine . . . . . 714   | 222            | 42             | 60               | 80    | 39    | 10.3           | 8.7            | 10.4             | 11.4  | 9.7   |
| Osteoarthritis and allied disorders, except<br>spine . . . . . 715   | 692            | 126            | 227              | 238   | 101   | 32.1           | 26.1           | 39.5             | 34.0  | 25.1  |
| Internal derangement of knee joint . . . . . 717   | 99             | 14             | 38               | 23    | 24    | 4.6            | 2.9            | 6.6              | 3.3   | 6.0   |
| Other arthropathies and related<br>disorders . . . . . 710-713, 716, 718-719   | 453            | 78             | 135              | 161   | 78    | 21.0           | 16.2           | 23.5             | 23.0  | 19.4  |
| Spondylosis and allied disorders . . . . . 721   | 435            | 79             | 144              | 155   | 58    | 20.1           | 16.4           | 25.0             | 22.2  | 14.4  |
| Derangement and displacement of lumbar<br>disc . . . . . 722.10, 722.32,<br>722.52, 722.73, 722.83, 722.93   | 356            | 52             | 105              | 120   | 80    | 16.5           | 10.8           | 18.3             | 17.2  | 19.9  |
| Derangement and displacement of other<br>intervertebral disc . . . . . 722.0, 722.11-722.31,<br>722.39-722.51, 722.6-722.72,<br>722.80-722.82, 722.90-722.92 | 160            | 25             | 55               | 50    | 30    | 7.4            | 5.2            | 9.6              | 7.1   | 7.5   |
| Other dorsopathies . . . . . 720, 723-724  | 498            | 85             | 152              | 178   | 82    | 23.1           | 17.6           | 26.4             | 25.5  | 20.4  |
| Bursitis and synovitis, except<br>spine . . . . . 726-727.0, 727.2-727.3   | 254            | 48             | 76               | 89    | 41    | 11.8           | 10.0           | 13.2             | 12.7  | 10.2  |
| Bunion and deformities of toe . . . . . 727.1, 735   | 231            | 28             | 99               | 66    | 38    | 10.7           | 5.8            | 17.2             | 9.4   | 9.5   |
| Disorders of bone and cartilage . . . . . 730-733  | 556            | 112            | 164              | 181   | 99    | 25.8           | 23.2           | 28.5             | 25.9  | 24.6  |
| Other diseases of the musculoskeletal<br>system and connective tissue . . . . . 725,<br>727.4-729, 734, 736-739  | 673            | 106            | 243              | 219   | 105   | 31.2           | 22.0           | 42.2             | 31.3  | 26.1  |
| Class 14. Congenital anomalies . . . . 740-759   | 688            | 144            | 224              | 198   | 122   | 31.9           | 29.9           | 38.9             | 28.3  | 30.4  |
| Congenital anomaly of heart and circulatory<br>system . . . . . 745-747  | 118            | 28             | 36               | 30    | 25    | 5.5            | 5.8            | 6.3              | 4.3   | 6.2   |
| Other congenital<br>anomalies . . . . . 740-744, 748-759   | 569            | 116            | 188              | 168   | 98    | 26.4           | 24.1           | 32.7             | 24.0  | 24.4  |
| Class 15. Certain conditions originating in<br>the perinatal period . . . . . 760-779  | 138            | 25             | 33               | 41    | 40    | 6.4            | 5.2            | 5.7              | 5.9   | 10.0  |
| Class 16. Symptoms, signs, and ill-defined<br>conditions . . . . . 780-799   | 4,051          | 749            | 1,183            | 1,448 | 670   | 187.6          | 155.3          | 205.7            | 207.0 | 166.7 |
| Convulsions . . . . . 780.3  | 346            | 93             | 103              | 104   | 46    | 16.0           | 19.3           | 17.9             | 14.9  | 11.4  |
| Chest pain . . . . . 786.5   | 323            | 47             | 94               | 117   | 65    | 15.0           | 9.7            | 16.3             | 16.7  | 16.2  |
| Abdominal pain . . . . . 789.0   | 418            | 67             | 128              | 159   | 64    | 19.4           | 13.9           | 22.3             | 22.7  | 15.9  |
| Other symptoms, signs, and ill-defined<br>conditions . . . . . 780.0-780.2,<br>780.4-786.4, 786.6-788, 789.1-799   | 2,964          | 542            | 858              | 1,068 | 495   | 137.3          | 112.4          | 149.2            | 152.7 | 123.2 |
| Class 17. Injury and poisoning . . . . 800-999   | 6,391          | 1,201          | 1,832            | 2,121 | 1,236 | 296.0          | 249.0          | 318.5            | 303.3 | 307.5 |
| Fracture of skull and face bones . . . . 800-803   | 253            | 58             | 74               | 67    | 55    | 11.7           | 12.0           | 12.9             | 9.6   | 13.7  |
| Fracture of vertebral column . . . . . 805-806   | 107            | 17             | 30               | 41    | 19    | 5.0            | 3.5            | 5.2              | 5.9   | 4.7   |
| Fracture of radius and ulna . . . . . 813  | 171            | 34             | 52               | 48    | 36    | 7.9            | 7.0            | 9.0              | 6.9   | 9.0   |
| Fracture of neck of femur . . . . . 820  | 232            | 58             | 67               | 69    | 37    | 10.7           | 12.0           | 11.6             | 9.9   | 9.2   |
| Other fractures . . . . . 804, 807-812,<br>814-819, 821-829  | 917            | 167            | 260              | 294   | 196   | 42.5           | 34.6           | 45.2             | 42.0  | 48.8  |
| Dislocation without fracture . . . . . 830-839   | 271            | 45             | 94               | 72    | 60    | 12.6           | 9.3            | 16.3             | 10.3  | 14.9  |

See footnote at end of table.

Table 5. Number and rate of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic categories and geographic regions: United States, 1979—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         | North-east | North Central | South | West  | All regions                | North-east | North Central | South | West  |
|--|---------------------|------------|---------------|-------|-------|----------------------------|------------|---------------|-------|-------|
|  | Number in thousands |            |               |       |       | Rate per 10,000 population |            |               |       |       |
| Sprains and strains of back (including neck)..... 846-847  | 526                 | 78         | 141           | 243   | 64    | 24.4                       | 16.2       | 24.5          | 34.7  | 15.9  |
| Concussion (excluding those with skull fracture)..... 850  | 252                 | 73         | 69            | 68    | 42    | 11.7                       | 15.1       | 12.0          | 9.7   | 10.4  |
| Intracranial injury, except concussion (excluding those with skull fracture)..... 851-854  | 155                 | 25         | 51            | 49    | 30    | 7.2                        | 5.2        | 8.9           | 7.0   | 7.5   |
| Internal injury of chest, abdomen, and pelvis..... 860-869   | 194                 | 31         | 43            | 78    | 43    | 9.0                        | 6.4        | 7.5           | 11.2  | 10.7  |
| Laceration and open wound of eye, ear, and head..... 870-873   | 322                 | 67         | 92            | 96    | 67    | 14.9                       | 13.9       | 16.0          | 13.7  | 16.7  |
| Laceration and open wound of other locations..... 874-904  | 418                 | 65         | 105           | 159   | 89    | 19.4                       | 13.5       | 18.3          | 22.7  | 22.1  |
| Late effects of injuries, poisonings, toxic effects, and other external causes..... 905-909  | 131                 | 19         | 40            | 44    | 28    | 6.1                        | 3.9        | 7.0           | 6.3   | 7.0   |
| Burns..... 940-949   | 106                 | 21         | 31            | 40    | 14    | 4.9                        | 4.4        | 5.4           | 5.7   | 3.5   |
| Other injury..... 840-845, 848, 910-939, 950-959   | 1,204               | 214        | 349           | 415   | 225   | 55.8                       | 44.4       | 60.0          | 59.3  | 56.0  |
| Poisoning by drugs, medicinal agents, and biological substances..... 960-979   | 242                 | 51         | 69            | 68    | 55    | 11.2                       | 10.6       | 12.0          | 9.7   | 13.7  |
| Toxic effects of substances chiefly nonmedicinal as to source..... 980-989   | 75                  | 13         | 21            | 29    | 11    | 3.5                        | 2.7        | 3.7           | 4.1   | 2.7   |
| Other and unspecified effects of external causes..... 990-995  | 252                 | 54         | 73            | 79    | 46    | 11.7                       | 11.2       | 12.7          | 11.3  | 11.4  |
| Other complications of surgical and medical care..... 996-999  | 563                 | 110        | 174           | 161   | 118   | 26.1                       | 22.8       | 30.3          | 23.0  | 29.4  |
| Supplementary classification of factors influencing health status..... V01-V82   | 6,678               | 1,371      | 1,924         | 2,158 | 1,225 | 309.3                      | 284.3      | 334.5         | 308.6 | 304.7 |
| Persons with potential health hazards related to personal and family history.... V10-V19   | 1,526               | 306        | 464           | 447   | 309   | 70.7                       | 63.4       | 80.7          | 63.9  | 76.9  |
| Persons admitted for sterilization..... V25.2  | 655                 | 142        | 166           | 265   | 82    | 30.3                       | 29.4       | 28.9          | 37.9  | 20.4  |
| Females with deliveries..... V27   | 3,646               | 726        | 1,012         | 1,235 | 673   | 168.9                      | 150.5      | 176.0         | 176.6 | 167.4 |
| 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 | 851                 | 196        | 282           | 212   | 160   | 39.4                       | 40.6       | 49.0          | 30.3  | 39.8  |

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

# Appendixes

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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) encompasses 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. Although all discharges of patients from these hospitals are within the scope of the survey, discharges of all patients from Federal hospitals are excluded from this report.

*Sampling frame and size of sample.*—The sampling frame (universe) for hospitals in NHDS is the Master Facility Inventory of Hospitals and Institutions (MFI). A detailed description of the development, contents, plans for maintenance, and procedures for assessing completeness of coverage of the MFI has been previously published.<sup>6</sup>

The original universe for the survey consisted of 6,965 short-stay hospitals contained in the MFI in 1963. This universe is periodically updated, as shown in table I. The distribution of the hospitals in the NHDS universe and sample for 1979 is given by bed size and geographic region in table II.

The sample for 1979 consisted of 544 hospitals. Of these, 80 refused to participate, and 48 were out of scope either because the hospital had gone out of business or because it failed to meet the definition of a short-stay hospital. Thus 416 hospitals participated in the survey during 1979 and provided approximately 215,000 abstracts of medical records.

*Sample design.*—All hospitals with 1,000 beds or more in the universe of short-stay hospitals were selected with certainty in the sample. All hospitals with fewer than 1,000 were stratified, the primary strata

Table I. Number of hospitals in the National Hospital Discharge Survey (NHDS) universe and number of hospitals added to the NHDS universe, by year of addition and year of Master Facility Inventory (MFI) used: United States, 1963–77

| MFI data year | NHDS universe |              |                |
|---------------|---------------|--------------|----------------|
|               | Year added    | Number added | Total universe |
| 1963 .....    | 1965          | 6,965        | 6,965          |
| 1969 .....    | 1972          | 442          | 7,407          |
| 1972 .....    | 1975          | 223          | 7,630          |
| 1975 .....    | 1977          | 273          | 7,903          |
| 1977 .....    | 1979          | 114          | 8,017          |

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 properly distributed with regard to ownership and geographic division. Sample hospitals were drawn with probabilities ranging from certainty for the largest hospitals to 1 in 40 for the smallest hospitals.

The within-hospital sampling ratio for selecting 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.

NOTE: A list of references follows the text.

Table II. Distribution of short-stay hospitals in the National Discharge Survey universe and survey sample and number of hospitals that participated in the survey, by geographic region and bed size of hospital: United States, 1979

| <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                   |                    | Number of hospitals |                      |              |             |
| Universe .....              | 8,017              | 1,784               | 2,148                | 3,196        | 1,489       |
| Total sample.....           | 544                | 132                 | 153                  | 176          | 83          |
| Number participating.....   | 416                | 109                 | 116                  | 128          | 63          |
| 6-49 beds                   |                    |                     |                      |              |             |
| Universe .....              | 3,521              | 223                 | 899                  | 1,670        | 729         |
| Total sample.....           | 70                 | 8                   | 18                   | 30           | 14          |
| Number participating.....   | 42                 | 6                   | 13                   | 16           | 7           |
| 50-99 beds                  |                    |                     |                      |              |             |
| Universe .....              | 1,897              | 301                 | 486                  | 737          | 373         |
| Total sample.....           | 80                 | 14                  | 20                   | 32           | 14          |
| Number participating.....   | 56                 | 10                  | 13                   | 23           | 10          |
| 100-199 beds                |                    |                     |                      |              |             |
| Universe .....              | 1,411              | 298                 | 412                  | 479          | 222         |
| Total sample.....           | 122                | 26                  | 34                   | 43           | 19          |
| Number participating.....   | 95                 | 22                  | 27                   | 30           | 16          |
| 200-299 beds                |                    |                     |                      |              |             |
| Universe .....              | 624                | 195                 | 166                  | 165          | 98          |
| Total sample.....           | 98                 | 31                  | 27                   | 24           | 16          |
| Number participating.....   | 76                 | 26                  | 22                   | 15           | 13          |
| 300-499 beds                |                    |                     |                      |              |             |
| Universe .....              | 411                | 113                 | 134                  | 111          | 53          |
| Total sample.....           | 98                 | 25                  | 32                   | 29           | 12          |
| Number participating.....   | 83                 | 22                  | 25                   | 27           | 9           |
| 500-999 beds                |                    |                     |                      |              |             |
| Universe .....              | 135                | 45                  | 48                   | 29           | 13          |
| Total sample.....           | 58                 | 19                  | 19                   | 13           | 7           |
| Number participating.....   | 47                 | 15                  | 13                   | 12           | 7           |
| 1,000 beds or more          |                    |                     |                      |              |             |
| Universe .....              | 18                 | 9                   | 3                    | 5            | 1           |
| Total sample.....           | 18                 | 9                   | 3                    | 5            | 1           |
| Number participating.....   | 17                 | 8                   | 3                    | 5            | 1           |

## Data collection and processing

*Data collection.*—Depending on the study procedure agreed on with the hospital administrator, the sample selection and the transcription of information from the hospital records to abstract forms were performed either by the hospital staff or by representatives of the National Center for Health Statistics (NCHS) or by both. In about two-thirds of the hospitals that participated in 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. All discharge diagnoses and procedures were listed on the abstract in the order of the principal one, or the first-listed diagnosis 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. The abstract form was revised in 1979 because of changes in the requirements for the collection of race and ethnicity data (figure I). Approximately half of the 1979 data were collected on each version of the form.

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 were then sent to NCHS for processing.

*Medical coding and edit.*—The medical information recorded on the sample patient abstracts was coded



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

FORM HDS-1  
(12-13-76)

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
HEALTH RESOURCES ADMINISTRATION  
NATIONAL CENTER FOR HEALTH STATISTICS

**MEDICAL ABSTRACT - HOSPITAL DISCHARGE SURVEY**

**A. PATIENT IDENTIFICATION**

1. Hospital number . . . . .       
 2. HDS number . . . . .       
 3. Medical Record number \_\_\_\_\_

4. Date of admission . . .   -   -    
 5. Date of discharge . . .   -   -    
 6. Residence ZIP Code

**B. PATIENT CHARACTERISTICS**

7. Date of birth . . .   -   -

8. Age (Complete only if Date of Birth not given) . . . .   Units   
 { 1  Years  
 2  Months  
 3  Days

9. Sex (Mark one)      1  Male      2  Female      3  Not stated  
 10. Race or Color (Mark one)      1  White      2  Black      3  Other      4  Not stated  
 11. Marital Status (Mark one)      1  Married      2  Single      3  Widowed      4  Divorced      5  Separated      6  Not stated

**12. Expected Source(s) of payment**

|   |  |
|---|--|
| <p>Principal (Mark one)</p> <p>1 <input type="checkbox"/><br/>2 <input type="checkbox"/><br/>3 <input type="checkbox"/><br/>4 <input type="checkbox"/><br/>5 <input type="checkbox"/><br/>6 <input type="checkbox"/><br/>7 <input type="checkbox"/><br/>8 <input type="checkbox"/><br/>9 <input type="checkbox"/><br/>10 <input type="checkbox"/></p> | <p>Other (Mark all that apply)</p> <p><input type="checkbox"/> Self-pay<br/> <input type="checkbox"/> Workmen's Compensation<br/> <input type="checkbox"/> Medicare<br/> <input type="checkbox"/> Medicaid<br/> <input type="checkbox"/> Other government payments<br/> <input type="checkbox"/> Blue Cross<br/> <input type="checkbox"/> Other private or commercial insurance<br/> <input type="checkbox"/> No charge<br/> <input type="checkbox"/> Other (Specify) _____<br/> <input type="checkbox"/> Not stated</p> |
|---|--|

**13. Disposition of Patient (Mark one)**

1  Routine discharge/discharged home  
 2  Left against medical advice  
 3  Discharged/transferred to another facility or organization  
 4  Discharged/referred to organized home care service  
 5  Died  
 6  Not stated

**C. DIAGNOSES**

Principal: \_\_\_\_\_  
 Other/additional: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

See reverse side

**D. SURGICAL AND DIAGNOSTIC PROCEDURES**

Principal: \_\_\_\_\_   -   -    
 Other/additional: \_\_\_\_\_   -   -    
 \_\_\_\_\_   -   -    
 \_\_\_\_\_   -   -    
 \_\_\_\_\_   -   -

NONE

See reverse side

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

Date \_\_\_\_\_

Figure 1. Medical abstract for the National Hospital Discharge Survey

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

FORM HDS-1  
(6-13-79)

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
NATIONAL CENTER FOR HEALTH STATISTICS

## MEDICAL ABSTRACT — HOSPITAL DISCHARGE SURVEY

### A. PATIENT IDENTIFICATION

1. Hospital number . . . . .

2. HDS number . . . . .

3. Medical record number \_\_\_\_\_

4. Date of admission . .   -   -     
Month Day Year

5. Date of discharge . .   -   -     
Month Day Year

6. Residence ZIP code

### B. PATIENT CHARACTERISTICS

7. Date of birth . . .   -   -     
Month Day Year

8. Age (Complete only if date of birth not given) . . . .     
Units   
 1  Years   
 2  Months   
 3  Days

9. Sex (Mark (X) one)      1  Male                      2  Female                      3  Not stated

10. Race (Mark (X) one)    1  White      3  American Indian/Alaskan Native    5  Other (Specify) \_\_\_\_\_   
 2  Black      4  Asian/Pacific Islander              6  Not stated

11. Ethnicity (Mark (X) one)    1  Hispanic origin              2  Non-Hispanic              3  Not stated

12. Marital status (Mark (X) one)    1  Married                      3  Widowed                      5  Separated   
 2  Single                      4  Divorced                      6  Not stated

13. Expected source(s) of payment

|                             |  |
|-----------------------------|--|
| Principal<br>(Mark (X) one) | Other<br>(Mark (X) all that apply)                             |
| 1 <input type="checkbox"/>  | <input type="checkbox"/> Self-pay                              |
| 2 <input type="checkbox"/>  | <input type="checkbox"/> Workmen's Compensation                |
| 3 <input type="checkbox"/>  | <input type="checkbox"/> Medicare                              |
| 4 <input type="checkbox"/>  | <input type="checkbox"/> Medicaid                              |
| 5 <input type="checkbox"/>  | <input type="checkbox"/> Other government payments             |
| 6 <input type="checkbox"/>  | <input type="checkbox"/> Blue Cross                            |
| 7 <input type="checkbox"/>  | <input type="checkbox"/> Other private or commercial insurance |
| 8 <input type="checkbox"/>  | <input type="checkbox"/> No charge                             |
| 9 <input type="checkbox"/>  | <input type="checkbox"/> Other (Specify) _____                 |
| 10 <input type="checkbox"/> | Not stated   |

14. Disposition of patient (Mark (X) one)

1  Routine discharge/discharged home

2  Left against medical advice

3  Discharged/transferred to another facility or organization

4  Discharged/referred to organized home care service

5  Died

6  Not stated

### C. FINAL DIAGNOSES

Principal: \_\_\_\_\_

Other/additional: \_\_\_\_\_

See reverse side

### D. SURGICAL AND DIAGNOSTIC PROCEDURES

Principal: \_\_\_\_\_   -   -     
Month Day Year

Other/additional: \_\_\_\_\_   -   -     
Month Day Year

\_\_\_\_\_   -   -     
Month Day Year

\_\_\_\_\_   -   -     
Month Day Year

NONE  See reverse side

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

Figure 1. Medical abstract for the National Hospital Discharge Survey—Con.

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 nonsurgical 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.

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*<sup>2</sup> (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*<sup>4</sup> (ICDA), with some modifications. These modifications, which were necessary because of incomplete or ill-defined terminology in the abstracts, are presented elsewhere.<sup>7</sup> It has not been necessary, however, to modify the ICD-9-CM for use in the NHDS.

Both the ICDA and ICD-9-CM are divided into two main sections: diseases and injuries and surgical and nonsurgical procedures. However, many differences exist between the two classifications.<sup>8</sup> One major difference is the expansion of categories, which has resulted in greater specificity and detail of both disease and procedure categories in the ICD-9-CM.

In the section on diseases and injuries, some classes have been extensively restructured in the ICD-9-CM, most notably Classes 6 (Diseases of the nervous system and sense organs), 11 (Complications of pregnancy, childbirth, and the puerperium), 13 (Diseases of the musculoskeletal system and connective tissue), and 15 (Certain conditions originating in the perinatal period). In addition, many revisions have been made to parts of other classes—specifically, Class 2 (Neoplasms), Class 7 (Diseases of the circulatory system), Class 17 (Injury and Poisoning), and the Supplementary classifications of factors influencing health status. In many cases, certain diagnoses were moved from one class to another more appropriate one. For example, signs and symptoms that are generally considered to be applicable to a specific body system (for example, the digestive system or the circulatory system) were moved to the appropriate class rather than left in Class 16 (Symptoms, signs, and ill-defined conditions).

## Presentation of estimates

*Grouping of diagnoses and procedures.*—In this report the diagnostic classes, the broadest groupings of diseases and injuries shown, correspond to ICD-9-CM Classes 1-17 and the Supplementary classifica-

tions of factors influencing health status and contact with health service. The diagnostic categories, the most detailed groupings of diseases and injuries shown, are subsets of the major groups or classes. The titles and the ordering of the categories in the tabular list developed for 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 less than one-fourth of 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 race of the patient was not identified on the hospital records, it was recorded as "not stated" for NHDS. Because this item was not stated for 13 percent of all discharges, rates by race were not computed. Caution should be used in drawing conclusions from the data by race that are shown. In the detailed tables presenting frequencies, rates, and average lengths of stay, the totals include the cases not stated.

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.

*Rounded numbers.*—Estimates of the numbers of inpatient discharges, discharges with procedures, 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 unpublished estimates for the U.S. civilian noninstitutionalized 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. However, they are not official population estimates of the Bureau of the Census.

## Reliability of estimates

*Estimation.*—Statistics produced by NHDS are derived by a complex estimating procedure. The basic unit of estimation is the sample patient discharge abstract. The estimating procedure used to produce

NOTE: A list of references follows the text.

Table III. Civilian noninstitutionalized population by sex, age, and geographic region: United States, July 1, 1979

[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 .....            | 215,884    | 104,180 | 111,704 |
| Northeast .....           | 48,232     | 23,138  | 25,094  |
| North Central .....       | 57,515     | 28,021  | 29,493  |
| South .....               | 69,941     | 33,486  | 36,456  |
| West .....                | 40,193     | 19,533  | 20,660  |
| 0-14 years .....          | 50,092     | 25,563  | 24,530  |
| Under 1 year .....        | 3,279      | 1,679   | 1,600   |
| 1-4 years .....           | 12,362     | 6,319   | 6,043   |
| 5-14 years .....          | 34,451     | 17,564  | 16,887  |
| Northeast .....           | 10,416     | 5,324   | 5,092   |
| North Central .....       | 13,433     | 6,862   | 6,570   |
| South .....               | 16,766     | 8,540   | 8,226   |
| West .....                | 9,477      | 4,836   | 4,641   |
| 15-44 years .....         | 98,941     | 48,197  | 50,744  |
| 15-24 years .....         | 39,162     | 19,760  | 20,402  |
| 25-34 years .....         | 34,099     | 16,570  | 17,528  |
| 35-44 years .....         | 24,680     | 11,866  | 12,813  |
| Northeast .....           | 21,679     | 10,577  | 11,102  |
| North Central .....       | 26,588     | 13,128  | 13,460  |
| South .....               | 31,808     | 15,303  | 16,506  |
| West .....                | 18,865     | 9,189   | 9,676   |
| 45-64 years .....         | 43,481     | 20,786  | 22,695  |
| 45-54 years .....         | 22,747     | 10,995  | 11,752  |
| 55-64 years .....         | 20,734     | 9,792   | 10,943  |
| Northeast .....           | 10,543     | 4,986   | 5,557   |
| North Central .....       | 11,331     | 5,468   | 5,863   |
| South .....               | 13,665     | 6,462   | 7,203   |
| West .....                | 7,942      | 3,870   | 4,072   |
| 65 years and over .....   | 23,369     | 9,634   | 13,735  |
| 65-74 years .....         | 14,950     | 6,505   | 8,445   |
| 75 years and over .....   | 8,419      | 3,129   | 5,290   |
| Northeast .....           | 5,594      | 2,251   | 3,343   |
| North Central .....       | 6,163      | 2,563   | 3,600   |
| South .....               | 7,702      | 3,181   | 4,521   |
| West .....                | 3,909      | 1,638   | 2,271   |

essentially unbiased national estimates in 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.<sup>9,10</sup>

*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 under the previous section entitled “Patient characteristics not stated.”

NOTE: A list of references follows the text.

The Institution 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 1979 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.<sup>11-13</sup>

Some nonsampling errors may exist because of mistakes in the ICD-9-CM that have not been identified as official errata.<sup>11-13</sup> As mentioned previously, some sections of the ICD-9-CM have been extensively restructured. In this type of revision, errors, oversights, and omissions are frequently not identified until the coding scheme has been in use for some time. For example, it has been found that some diagnoses that should have been coded to the Cataract category (ICD-9-CM code 366) were coded to the Congenital cataract category (743.3). This index error has been corrected by an official errata to the ICD-9-CM.

*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 is generally 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, race) and of hospital characteristics (for example, region, bed size, ownership), and patient characteristics cross-tabulated 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.

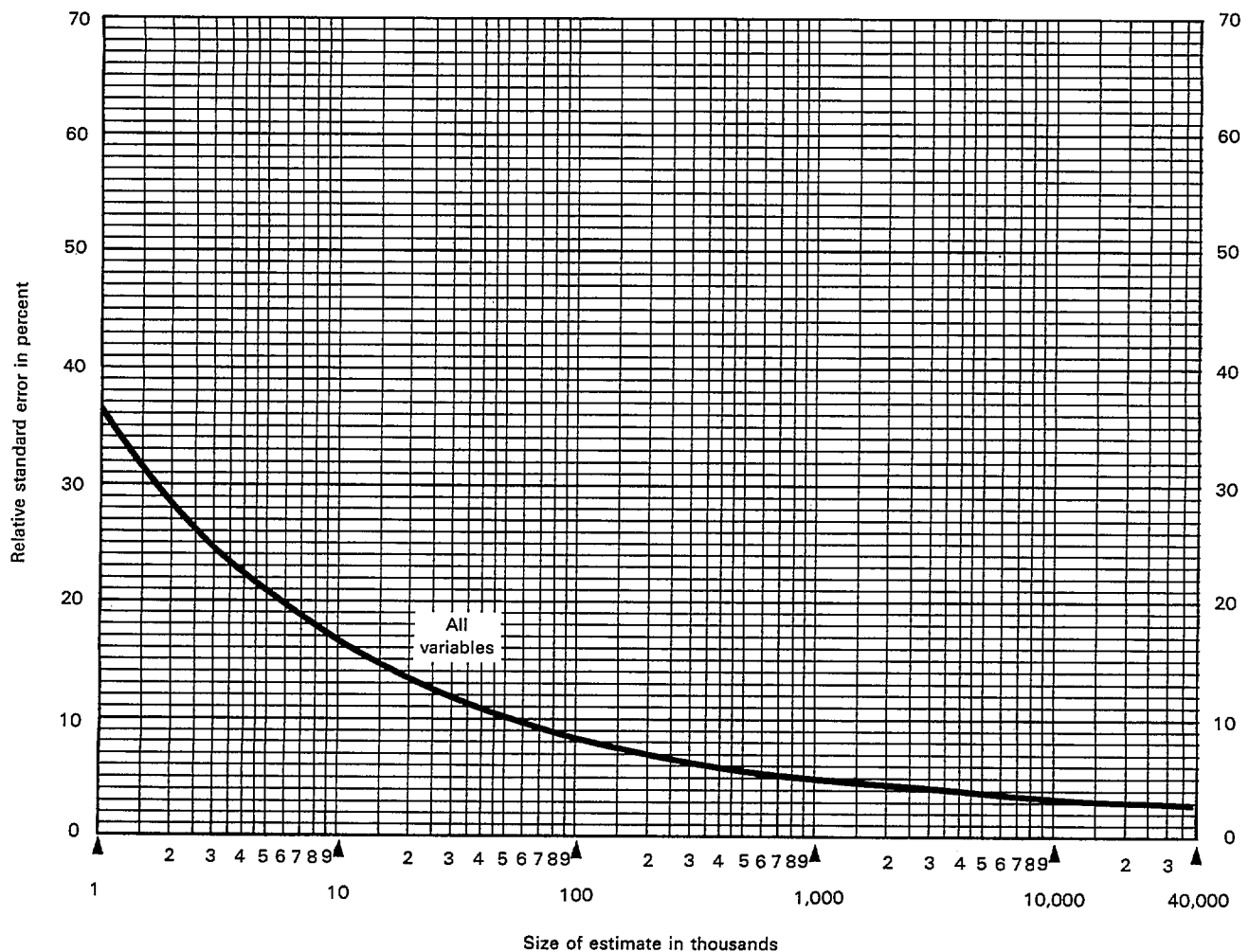
The relative standard errors applicable to patients discharged or first-listed diagnoses, all-listed diagnoses, and days of care are provided in figures II and III. The curves for relative standard errors of the estimates in each figure relate to the variables by which estimates are presented in this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

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

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

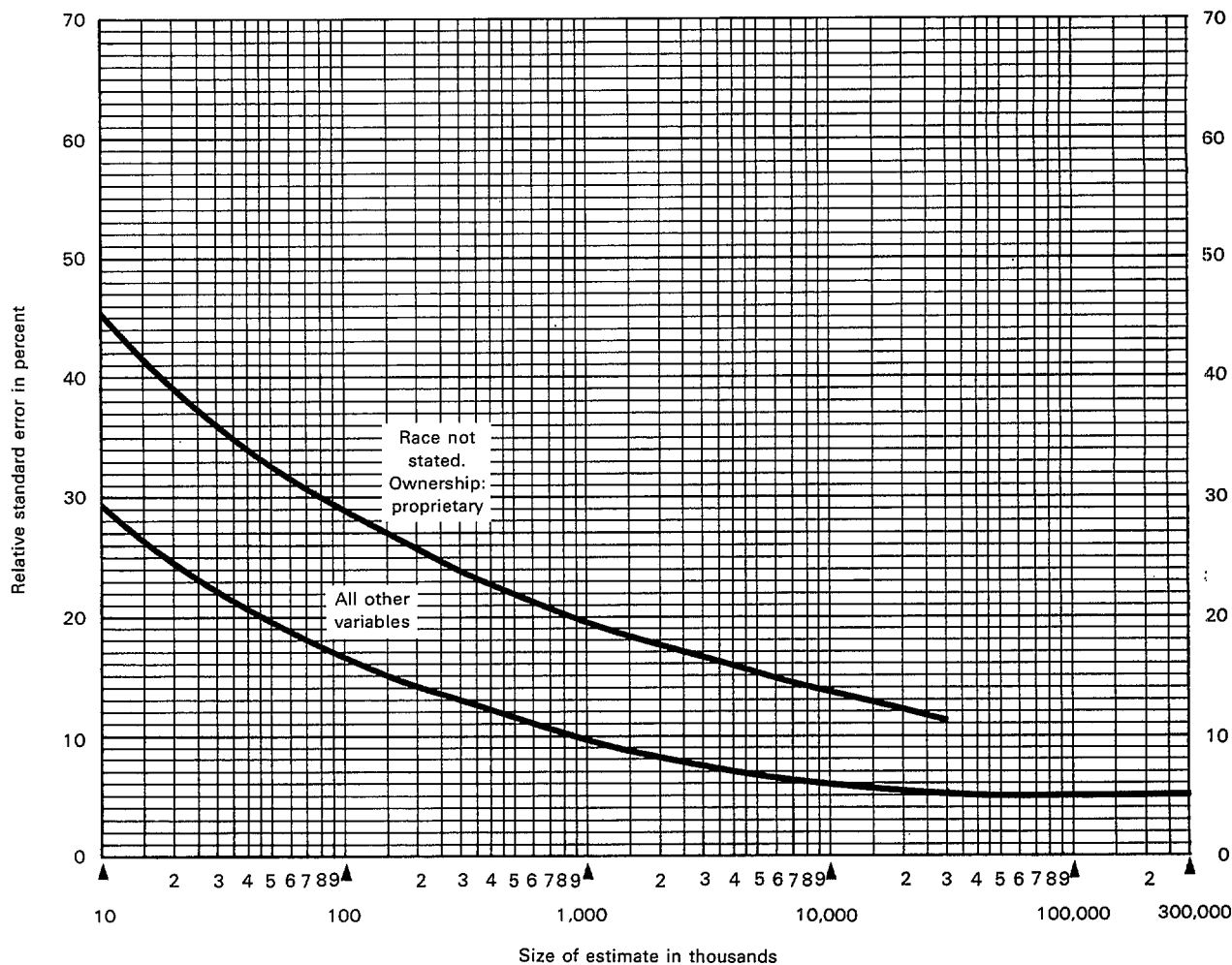
### Tests of significance

In this report, the determination of statistical inference is based on the *t*-test with a critical value of 1.96



*Illustration for use of figure II:* As shown in table 4, an estimated 10,647,000 patients were discharged from short-stay non-Federal hospitals in the North Central Region. The relative standard error of this estimate as read from the curve "all variables" is approximately 3.5 percent. The standard error is thus 372,645 (3.5 percent of 10,647,000).

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 characteristics



*Illustration for use of figure III:* As shown in table 1, an estimated 69,962,000 days of care (average length of stay, 8.2, times 8,532,000 patients) were provided during 1979 to patients in the age group 45-64 years discharged from short-stay hospitals. The relative standard error of this estimate as read from the curve "all other variables" is approximately 4.7 percent. The standard error is thus approximately 3,288,000 (4.7 percent of 69,962,000).

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

(0.05 level of significance). Terms relating to differences such as "higher," "less," and so forth, 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.

## 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. All newborn infants, defined as those admitted by birth to the hospital, are excluded. 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 constitute 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 NHDS 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 ICD-9-CM. The number of principal or first-listed diagnoses is equivalent to the number of discharges.

*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.

*Race.*—Patients are classified into two groups, "white" and "all other." The all other classification includes all categories other than white. Mexican and Puerto Rican are included in the white category unless specifically identified as all other.

*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  |
| 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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