

# VITAL & HEALTH STATISTICS

## **Utilization of Short-Stay Hospitals: Annual Summary for the United States, 1979**

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This report presents statistics on the utilization of non-Federal short-stay hospitals based on data collected through the National Hospital Discharge Survey from a national sample of the hospital records of discharged inpatients. Estimates are provided by the demographic characteristics of patients discharged, conditions diagnosed, and surgical and nonsurgical procedures performed, and by geographic region, bed size, and ownership of hospitals that provided inpatient care. Measurements of hospital utilization are given in terms of frequency, rate, percent, and average length of stay.

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**National Center for Health Statistics**

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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.

# Contents

|  |     |
|--|-----|
| Preface .....  | iii |
| Introduction .....   | 1   |
| Highlights .....   | 2   |
| Utilization by patient characteristics .....   | 2   |
| Utilization by hospital characteristics .....  | 3   |
| Utilization by diagnosis .....   | 6   |
| Utilization by procedures .....  | 9   |
| References .....   | 16  |
| List of detailed tables .....  | 17  |
| <b>Appendixes</b>  |     |
| Contents .....   | 50  |
| I. Technical notes on methods .....  | 51  |
| II. Definitions of certain terms used in this report .....   | 62  |
| <b>List of text tables</b>   |     |
| A. Selected measures of hospital utilization: United States, 1970, 1975, and 1979 .....  | 2   |
| B. Number of patients and days of care for patients discharged from short-stay hospitals by sex, and percent distribution of patients discharged from short-stay hospitals and days of care, and average length of stay by sex and age of patient, according to whether color of patient was stated: United States, 1979 ..... | 4   |
| C. Number and percent distribution of patients and days of care and average length of stay for patients discharged from short-stay hospitals by sex and age of patient, according to bed size of hospital: United States, 1979 .....   | 5   |
| D. Number and rate of patients and days of care for patients discharged from short-stay hospitals and average length of stay, by selected first-listed diagnostic categories: United States, 1979 .....  | 7   |
| E. Percent distribution of patients discharged from short-stay hospitals by bed size of hospital, according to diagnostic class: United States, 1979 .....   | 8   |
| F. Number of patients discharged from short-stay hospitals with and without procedures and percent with procedures, by age, sex, and color of patient and geographic region and bed size of hospital: United States, 1979 .....  | 10  |
| G. Percent distribution of patients discharged from short-stay hospitals by number of procedures, according to age, sex, and color of patient and geographic region and bed size of hospital: United States, 1979 .....  | 11  |
| H. Selected measures of surgical utilization: United States, 1970, 1975, and 1979 .....  | 11  |
| J. Number and rate of all-listed procedures and of Class 1 procedures for patients discharged from short-stay hospitals, by procedure category: United States, 1979 .....  | 12  |
| K. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by selected procedure categories: United States, 1979 .....   | 13  |
| L. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by sex and age of patient: United States, 1979 .....  | 14  |
| M. Percent distribution of all-listed procedures for patients discharged from short-stay hospitals by bed size of hospital, according to procedure category: United States, 1979 .....   | 15  |

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### Symbols

- - - Data not available
  - . . . Category not applicable
  - Quantity zero
  - 0.0 Quantity more than zero but less than 0.05
  - Z Quantity more than zero but less than 500
  - \* 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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# Utilization of Short-Stay Hospitals: Annual Summary

by Barbara J. Haupt, Division of Health Care Statistics

## Introduction

This report provides national estimates on the utilization of non-Federal short-stay hospitals during 1979. Data are summarized for selected demographic characteristics of the patients discharged, characteristics of the hospitals where the patients were treated, conditions diagnosed, and surgical and nonsurgical procedures performed.

The statistics in this report are based on data collected through the National Hospital Discharge Survey, a continuous survey that has been conducted by the National Center for Health Statistics since 1965. The data for the survey are obtained from the face sheets of a sample of the medical records of inpatients discharged from a national sample of short-stay general and specialty hospitals in the United States. The sample for 1979 included approximately 215,000 medical records from 416 hospitals that participated in the survey. A description of the survey design, data collection procedures, and the estimation process is found in appendix I. A detailed report on the design of the National Hospital Discharge Survey has already been published.<sup>1</sup>

Types of hospital utilization measurements shown are frequencies, rates, and percent distributions of discharges, days of care, and average lengths of stay. The estimates are presented by age, sex, and color of the patients discharged and by the geographic region, bed size, and ownership of the short-stay hospitals (tables 1-12). Statistics on the conditions diagnosed (tables 13-17) and procedures performed (tables 18-22) are also shown by patient and hospital characteristics. Although data for newborn infants are collected by means of the National Hospital Discharge Survey, they are excluded from this report.

Coding of medical data for patients hospitalized is performed according to 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>3</sup> (ICDA). Differences between these two systems are discussed in appendix I under the section entitled "Medical coding and edit." A maximum of seven diagnoses and four procedures are coded for each medical record in the sample. Although diagnoses included in the ICD-9-CM section entitled "Supplementary classification of external causes of injury and poisoning" (codes E800-E999) are used by the National Hospital Discharge Survey, these diagnoses are excluded from this report. The conditions diagnosed and procedures performed are presented here by the major classes of the ICD-9-CM. Within these classes, a few diagnoses and procedures or groups thereof are also shown. These specific categories were selected primarily because of large frequencies or because they are of special interest. Residual categories of the diagnostic and procedure classes, however, are not included in the tables. More detailed analyses of these data will be presented in later reports in Series 13 of the *Vital and Health Statistics* reports.

Familiarity with the definitions used in the National Hospital Discharge Survey is important for interpreting the data and for making comparisons with statistical data on short-stay hospital utilization that are available from other sources. Definitions of the terms used in this report are presented in appendix II.

Information on short-stay hospital utilization is also collected by another program of the National Center for Health Statistics, the National Health Interview Survey. Estimates from this survey are generally different from those of the National Hospital Discharge Survey because of differences in collection procedures, population sampled, and definitions. Data from the National Health Interview Survey are published in Series 10 of the *Vital and Health Statistics* reports.

# Highlights

During 1979 an estimated 36.7 million inpatients, excluding newborn infants, were discharged from non-Federal short-stay hospitals. These patients utilized 264.2 million days of care during the year and their average length of stay was 7.2 days. Half of the patients were discharged within 4 days of their admission, and 6 percent remained in the hospital for 3 weeks or longer. Patients hospitalized during 1979 accounted for 170 discharges and 1,224 days of care per 1,000 civilian noninstitutionalized population.

Table A presents selected measures of hospital utilization for 1970, 1975, and 1979. Both the number and rate of discharges have increased over this period. The number and rate of days of care have also increased significantly from 1970 to 1975. The differences in days of care between 1975 and 1979,

however, are not significant. Although both the number of discharges and days of care have both increased from 1970 to 1979, the rates of increase in these two measures of utilization were quite different. This difference is reflected in the average lengths of stay that decreased from 7.8 days in 1970 to 7.2 days in 1979. The percent of patients with more than one diagnosis increased from 40.8 percent in 1970 to 48.0 percent in 1975, but no appreciable increase occurred between 1975 and 1979. The percent of patients with surgery has remained fairly constant from 1970 through 1979.

## Utilization by patient characteristics

The 36.7 million patients discharged from short-stay hospitals during 1979 included an estimated 14.7 million males and 22.0 million females (table 1). The rates per 1,000 population were 141 for males and 197 for females, making the rate for females almost 40 percent higher than the rate for males. The number and rate of discharges are always higher for females than for males because of the large number of women in their childbearing years (15-44 years of age) who are hospitalized for deliveries and other obstetrical conditions. Excluding deliveries, the rate for females discharged was 165, or only about 17 percent higher than the rate for males (table 8).

Except for children under 5 years of age and women in their childbearing years, annual rates of discharges increased consistently with each older age group for both males and females. This pattern of increase also applies to women in their childbearing years if those who were hospitalized only for deliveries are excluded from the rates. Discharge rates for older patients (65 years of age and over) were more than 5 times higher than those for younger patients (under 15 years of age) for each sex.

In 1979, male patients utilized an estimated 112.5 million days of care in short-stay hospitals compared with 151.7 million days of care utilized by

Table A. Selected measures of hospital utilization: United States, 1970, 1975, and 1979

[Data for non-Federal short-stay hospitals. Excludes newborn infants]

| Measure of utilization                                     | 1970    | 1975    | 1979    |
|--|---------|---------|---------|
| Number of patients discharged in thousands . . . . .       | 29,127  | 34,043  | 36,747  |
| Rate of patients discharged per 1,000 population . . . . . | 145.9   | 162.8   | 170.2   |
| Number of days of care in thousands . . . . .              | 226,445 | 262,389 | 264,173 |
| Rate of days of care per 1,000 population . . . . .        | 1,134.6 | 1,254.9 | 1,223.7 |
| Average length of stay in days . . . . .                   | 7.8     | 7.7     | 7.2     |
| Percent of patients with more than one diagnosis . . . . . | 40.8    | 48.0    | 49.1    |
| Percent of patients with surgery <sup>2</sup> . . . . .    | 39.7    | 41.7    | 40.8    |

<sup>1</sup>Adjusted to eliminate artificial inflation of figure because of double-coding of certain diagnoses or groups of patients. See section entitled "All-listed diagnoses" in text.

<sup>2</sup>Excludes nonsurgical procedures and the following obstetrical procedures that were not coded in 1970 and 1975: Episiotomy, artificial rupture of membranes, internal version, and outlet and low forceps delivery. Up to 3 operations were coded per discharge in 1970 and 1975 and up to 4 were coded in 1979; however, this 1979 figure includes only the first 3 operations to maintain comparability. The unadjusted 1979 figure is 45.2 percent.

females (table 2). The rate of days of care per 1,000 population was 1,080 for males and 1,358 for females, or about 26 percent higher for females than for males. Differences between the rates of days of care for each sex were smaller than for discharges mainly because the average length of stay for about 3.6 million women who were hospitalized for deliveries was only 3.7 days. This length of stay compares with an average length of stay of 7.7 days for males and 7.5 days for females who were not hospitalized for deliveries (tables 2 and 6).

The annual number of days of care per 1,000 population increased about 13 times with advancing age from 315 for patients under 15 years of age to 4,183 for those 65 years of age and over (table 2). The much higher increase in the rate of days of care than of discharges from the youngest to the oldest age group was due to long average lengths of stay for persons 65 years of age and over (10.8 days). The average length of stay is longer for the aged because of the greater severity of illness in this group. This situation is indicated by larger proportions of older than younger patients with incapacitating chronic illness, and the highest proportion of any age group with multiple diagnoses, both of which result in long average lengths of stay and high annual rates of days of care.

A smaller proportion of males (48 percent) than of females (52 percent) were discharged from short-stay hospitals within 4 days of their admission (table 3). The percent of patients hospitalized fewer than 5 days decreased with each older age group from 73 percent for those under 15 years of age to 29 percent for patients 65 years of age and over. Conversely, the proportion of patients hospitalized for 3 weeks or longer increased from about 2 percent for the youngest age group to almost 12 percent for those 65 years of age and over. About 7 percent of the males and 5 percent of the females were hospitalized for at least 3 weeks.

In this report the terms "white" and "all other" are used for color of patients. In 1979, 27.5 million patients were identified on the face sheets of the medical records as "white" and 4.6 million as "all other" groups (table 4). However, color was not reported for an additional 4.7 million patients, or a larger number than in the "all other" group. As a result, rates were not computed by color and caution should be used in drawing conclusions from the data by color.

Some demographic characteristics differed between the two color groups. The largest differences between white and all other patients were in the distributions of discharges by age. White patients were older than all other patients, both as a group and for each sex (table 4). Twenty-six percent of these patients were 65 years of age and over; the comparable figure for all others was 15 percent.

The number of days of care in 1979 totaled 198.0 million for white patients and 34.0 million for all other patients (table 5), and the average length of stay was 7.2 days for white patients and 7.4 days for all others (table 6). White patients utilized proportionately more days of care than all others in the oldest age group, both as a whole and for each sex. However, the average length of stay was higher for the all other group in all the age and sex categories.

As was mentioned previously, National Hospital Discharge Survey (NHDS) data by color are limited because of the large number of patients for whom color was not stated. A comparison of the percent distributions of discharges and days of care and the average lengths of stay for patients with color stated and those with color not stated indicates that these utilization measures for the two groups are quite similar with regard to their age and sex distributions (table B). These relationships suggest that patients with color not stated were probably distributed by color in about the same proportions as those for whom color was identified.

#### Utilization by hospital characteristics

Discharges from short-stay hospitals by geographic region in 1979 ranged from 5.9 million in the West Region to 12.4 million in the South Region (table 7). Regional differences in the number of discharges are accounted for mainly by variations in population sizes (see appendix I, table III), and, to a lesser extent, by variations in the discharge rates.

The rates of regional discharges per 1,000 population in 1979 were 147 in the West, 161 in the Northeast, 178 in the South, and 185 in the North Central Regions (table 8). Among the geographic regions, discharge rates in the North Central Region were highest for all discharges and for each age and sex group except for males 45-64 years of age. For this last group, the rate was about the same as it was in the South Region. The remaining discharge rates in the South were lower than those in the North Central Region; however, the *number* of discharges in the South Region was about the same or higher for each age and sex group compared with the North Central Region, because the population in the South was about a fifth larger than that in the North Central Region.

Both the number and the rate per 1,000 population of days of care were lowest in the West Region. The highest number of days of care was in the South Region for most of the age and sex categories, whereas the highest rate was most frequently in the North Central Region, followed by the Northeast Region (tables 7 and 8). The number of days of care for the total population ranged from 35.5 million in the West to 84.7 million in the South Region; the rate per 1,000 population varied from 883 days in the



Table B. Number of patients and days of care for patients discharged from short-stay hospitals by sex, and percent distribution of patients discharged from short-stay hospitals and days of care, and average length of stay by sex and age of patient, according to whether color of patient was stated: United States, 1979

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

| Sex and age                 | Discharged patients         |                  | Days of care |                  | Average length of stay in days |                  |
|-----------------------------|-----------------------------|------------------|--------------|------------------|--------------------------------|------------------|
|                             | Color stated                | Color not stated | Color stated | Color not stated | Color stated                   | Color not stated |
|                             | Number in thousands         |                  |              |                  |                                |                  |
| Both sexes                  | 32,023                      | 4,724            | 232,008      | 32,166           | 7.2                            | 6.8              |
| Male                        | 12,790                      | 1,914            | 98,847       | 13,658           | 7.7                            | 7.1              |
| Female including deliveries | 19,232                      | 2,809            | 133,161      | 18,508           | 6.9                            | 6.6              |
| Female excluding deliveries | 16,064                      | 2,322            | 121,319      | 16,685           | 7.6                            | 7.2              |
|                             | Percent distribution        |                  |              |                  |                                |                  |
| Both sexes                  | 100.0                       | 100.0            | 100.0        | 100.0            | 7.2                            | 6.8              |
| Male                        | 39.9                        | 40.5             | 42.6         | 42.5             | 7.7                            | 7.1              |
| Female including deliveries | 60.1                        | 59.5             | 57.4         | 57.5             | 6.9                            | 6.6              |
| Female excluding deliveries | 50.2                        | 49.4             | 52.3         | 51.9             | 7.6                            | 7.2              |
| All ages                    | 100.0                       | 100.0            | 100.0        | 100.0            | 7.2                            | 6.8              |
| Under 15 years              | 9.9                         | 10.0             | 6.0          | 5.5              | 4.4                            | 3.8              |
| 15-44 years                 | 42.1                        | 42.6             | 30.5         | 31.7             | 5.2                            | 5.1              |
| 45-64 years                 | 23.3                        | 22.6             | 26.6         | 25.0             | 8.3                            | 7.5              |
| 65 years and over           | 24.7                        | 24.9             | 36.9         | 37.7             | 10.8                           | 10.3             |
|                             | Male                        |                  |              |                  |                                |                  |
| All ages                    | 100.0                       | 100.0            | 100.0        | 100.0            | 7.7                            | 7.1              |
| Under 15 years              | 14.0                        | 13.9             | 8.1          | 7.4              | 4.5                            | 3.8              |
| 15-44 years                 | 31.7                        | 32.4             | 26.2         | 28.3             | 6.4                            | 6.2              |
| 45-64 years                 | 27.4                        | 26.6             | 29.0         | 27.9             | 8.2                            | 7.5              |
| 65 years and over           | 26.9                        | 27.1             | 36.8         | 36.4             | 10.6                           | 9.6              |
|                             | Female including deliveries |                  |              |                  |                                |                  |
| All ages                    | 100.0                       | 100.0            | 100.0        | 100.0            | 6.9                            | 6.6              |
| Under 15 years              | 7.2                         | 7.4              | 4.5          | 4.2              | 4.3                            | 3.8              |
| 15-44 years                 | 49.0                        | 49.5             | 33.7         | 34.2             | 4.8                            | 4.6              |
| 45-64 years                 | 20.6                        | 19.8             | 24.8         | 22.9             | 8.3                            | 7.6              |
| 65 years and over           | 23.3                        | 23.4             | 37.0         | 38.7             | 11.0                           | 10.9             |
|                             | Female excluding deliveries |                  |              |                  |                                |                  |
| All ages                    | 100.0                       | 100.0            | 100.0        | 100.0            | 7.6                            | 7.2              |
| Under 15 years              | 8.5                         | 8.8              | 4.9          | 4.6              | 4.3                            | 3.8              |
| 15-44 years                 | 39.1                        | 39.3             | 27.3         | 27.2             | 5.3                            | 4.9              |
| 45-64 years                 | 24.5                        | 23.7             | 27.2         | 25.3             | 8.4                            | 7.6              |
| 65 years and over           | 27.9                        | 28.1             | 40.6         | 42.9             | 11.0                           | 10.9             |

West Region to 1,363 days in the Northeast Region.

Average lengths of stay by geographic region were 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 (table 9). Hospitalization was generally longest in the Northeast Region and shortest in the West Region for patients in each age and sex category. Regional differences in average lengths of stay were larger among the older age groups.

Table 7 shows the number of patients discharged from short-stay hospitals and days of care by sex and age of the patients, and geographic region, and bed size of the hospitals; percent distributions of these data are shown in table C.

Discharges from short-stay hospitals for patients of all ages were about 40 percent male and 60 percent female in every hospital bed-size group and females with deliveries accounted for about 10 percent of the discharges regardless of hospital size. However, some variation was found in the distribution of patients by age. Specifically, as the bed size of the hospital increased, the percent of patients who were 65 years of age and over steadily decreased from 29 percent in the smallest hospitals to 21 percent in the largest ones. An overall increase was found in the percent of patients in the age groups 15-44 and 45-64 years from the smallest to the largest hospitals; however, this pattern was not consistent with increasing bed size.

Table C. Number and percent distribution of patients and days of care and average length of stay for patients discharged from short-stay hospitals by sex and age of patient, according to bed size of hospital: United States, 1979

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

| <i>Sex and age</i>                         | <i>Number</i> | <i>All sizes</i> | <i>6-99 beds</i> | <i>100-199 beds</i> | <i>200-299 beds</i> | <i>300-499 beds</i> | <i>500 beds or more</i> |
|--|---------------|------------------|------------------|---------------------|---------------------|---------------------|-------------------------|
| Number of patients discharged in thousands |               |                  |                  |                     |                     |                     |                         |
| All patients discharged .....              | 36,747        | 36,747           | 7,020            | 6,348               | 6,493               | 8,615               | 8,270                   |
| Percent distribution                       |               |                  |                  |                     |                     |                     |                         |
| Sex  |               |                  |                  |                     |                     |                     |                         |
| Both sexes .....                           | 36,747        | 100.0            | 100.0            | 100.0               | 100.0               | 100.0               | 100.0                   |
| Male .....                                 | 14,705        | 40.0             | 40.9             | 38.3                | 39.7                | 41.1                | 39.7                    |
| Female including deliveries .....          | 22,042        | 60.0             | 59.1             | 61.7                | 60.3                | 58.9                | 60.3                    |
| Female excluding deliveries .....          | 18,396        | 50.1             | 51.4             | 51.4                | 50.2                | 48.9                | 48.9                    |
| Age  |               |                  |                  |                     |                     |                     |                         |
| All ages .....                             | 36,747        | 100.0            | 100.0            | 100.0               | 100.0               | 100.0               | 100.0                   |
| Under 15 years .....                       | 3,641         | 9.9              | 9.6              | 9.5                 | 10.3                | 10.3                | 9.8                     |
| 15-44 years .....                          | 15,488        | 42.1             | 39.1             | 42.6                | 42.8                | 41.6                | 44.5                    |
| 45-64 years .....                          | 8,532         | 23.2             | 22.7             | 22.3                | 21.9                | 23.8                | 24.8                    |
| 65 years and over .....                    | 9,086         | 24.7             | 28.6             | 25.6                | 25.0                | 24.4                | 21.0                    |
| Number of days of care in thousands        |               |                  |                  |                     |                     |                     |                         |
| All days of care .....                     | 264,173       | 264,173          | 41,763           | 41,623              | 46,936              | 66,580              | 67,271                  |
| Percent distribution                       |               |                  |                  |                     |                     |                     |                         |
| Sex  |               |                  |                  |                     |                     |                     |                         |
| Both sexes .....                           | 264,173       | 100.0            | 100.0            | 100.0               | 100.0               | 100.0               | 100.0                   |
| Male .....                                 | 112,504       | 42.6             | 41.4             | 40.9                | 42.0                | 43.4                | 44.0                    |
| Female including deliveries .....          | 151,669       | 57.4             | 58.6             | 59.1                | 58.0                | 56.6                | 56.0                    |
| Female excluding deliveries .....          | 138,004       | 52.2             | 54.7             | 53.6                | 52.9                | 51.4                | 50.2                    |
| Age  |               |                  |                  |                     |                     |                     |                         |
| All ages .....                             | 264,173       | 100.0            | 100.0            | 100.0               | 100.0               | 100.0               | 100.0                   |
| Under 15 years .....                       | 15,765        | 6.0              | 5.2              | 5.6                 | 5.9                 | 5.8                 | 6.9                     |
| 15-44 years .....                          | 80,913        | 30.6             | 29.3             | 30.0                | 30.1                | 29.5                | 33.4                    |
| 45-64 years .....                          | 69,755        | 26.4             | 24.2             | 25.0                | 25.2                | 27.3                | 28.7                    |
| 65 years and over .....                    | 97,740        | 37.0             | 41.4             | 39.4                | 38.8                | 37.4                | 31.1                    |
| Average length of stay in days             |               |                  |                  |                     |                     |                     |                         |
| Total .....                                | 7.2           | 7.2              | 5.9              | 6.6                 | 7.2                 | 7.7                 | 8.1                     |
| Sex  |               |                  |                  |                     |                     |                     |                         |
| Male .....                                 | 7.7           | 7.7              | 6.0              | 7.0                 | 7.6                 | 8.2                 | 9.0                     |
| Female including deliveries .....          | 6.9           | 6.9              | 5.9              | 6.3                 | 7.0                 | 7.4                 | 7.6                     |
| Female excluding deliveries .....          | 7.5           | 7.5              | 6.3              | 6.8                 | 7.6                 | 8.1                 | 8.4                     |
| Age  |               |                  |                  |                     |                     |                     |                         |
| Under 15 years .....                       | 4.3           | 4.3              | 3.2              | 3.9                 | 4.2                 | 4.3                 | 5.7                     |
| 15-44 years .....                          | 5.2           | 5.2              | 4.5              | 4.6                 | 5.1                 | 5.5                 | 6.1                     |
| 45-64 years .....                          | 8.2           | 8.2              | 6.3              | 7.3                 | 8.3                 | 8.9                 | 9.4                     |
| 65 years and over .....                    | 10.8          | 10.8             | 8.6              | 10.1                | 11.2                | 11.9                | 12.1                    |

The percent of patients under 15 years of age remained essentially the same regardless of the size of the hospital.

Days of care by sex, age, and bed size of hospital were generally distributed in a fashion similar to discharges; however, males accounted for a larger percent of days of care than of discharges regardless of bed size. This difference is a result of the short lengths of stay for females with deliveries, since females without deliveries also showed a larger percent of days of care than of discharges for hospitals of all sizes.

Table C shows that the percent distribution of days of care by the age of the persons hospitalized changed with bed size of the hospital in about the same direction as that for discharges, but the magnitude of the changes was greater for days of care than for discharges. The percent of days of care for each of the three age groups under 65 years generally increased with increasing bed size, while the percent for patients 65 years of age and over decreased as the size of the hospital grew.

As shown in table C, the average length of stay for patients discharged from short-stay hospitals in

1979 increased steadily from 5.9 days in the smallest hospitals (6-99 beds) to 8.1 days in the largest hospitals (500 beds or more). This pattern of increase occurred for each sex and age group presented. Generally, the average length of stay was slightly longer for males than for females in all hospitals; however, when females who were hospitalized for deliveries are excluded, the average lengths of stay for each sex were virtually the same. The average length of stay increased as the age of the patients increased regardless of the size of the hospital.

Table 10 shows some exceptions to these patterns in the average length of stay among regions. Specifically, the average length of stay did not steadily increase with increasing bed size either for patients 15-44 years of age in the Northeast Region or for males 15-44 years of age in the North Central Region. Moreover, a steady increase was not found in the average length of stay as age increased for females discharged from the largest hospitals in the Northeast Region, for males discharged from the smallest hospitals in the North Central Region, or for anyone discharged from the largest hospitals in the West Region.

Approximately 7 out of 10 patients of non-Federal short-stay hospitals were discharged from voluntary nonprofit hospitals operated by church and other nonprofit groups during every year the NHDS was conducted. In 1979, voluntary nonprofit hospitals provided medical care to an estimated 26.1 million patients, or 71 percent of all patients hospitalized. Hospitals operated by State and local governments cared for 7.7 million patients, or 21 percent of all discharges, and proprietary hospitals operated for profit cared for 3.0 million patients, or 8 percent of all discharges (table 11).

The estimated 264.2 million days of care utilized by patients in short-stay hospitals during 1979 were distributed by ownership of hospitals in the following manner: voluntary nonprofit, 192.1 million days, or 73 percent; government, 50.7 million days, or 19 percent; and proprietary, 21.4 million days, or 8 percent. Average lengths of stay were 7.4 days in voluntary nonprofit hospitals, 6.6 days in government hospitals, and 7.2 days in proprietary hospitals (table 12).

### Utilization by diagnosis

*First-listed diagnosis.*—Diseases of the circulatory system ranked first in 1979 among the ICD-9-CM diagnostic classes as a principal or first-listed diagnosis among patients discharged from non-Federal short-stay hospitals (table 13). These conditions accounted for an estimated 4.9 million discharges. Other leading ICD-9-CM diagnostic classes were diseases of the digestive system (4.6 million discharges); supplementary classifications, which include females with

deliveries (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). About two-thirds of the patients discharged from non-Federal short-stay hospitals were included in these six ICD-9-CM diagnostic classes.

The diagnostic categories presented in this summary report were selected either because they appear as principal or first-listed diagnoses with great frequency or because the conditions are of special interest. Although many of these categories such as malignant neoplasms, heart disease, psychoses, and fractures, all sites are combinations of more detailed diagnoses, they are presented as single categories without showing the specific diagnostic inclusions.

The number and rate of discharges, days of care, and average length of stay by selected first-listed diagnoses in 1979, including females with deliveries, are presented in table D. These categories are the largest of those presented in this report and accounted for 46 percent of all patients discharged during 1979. These categories also include the most frequent first-listed diagnoses for each sex, age, color, region, and bed-size group. The most common first-listed diagnosis for most of these groups, as well as for all patients, was females with deliveries. Excluding this category, the two most frequent first-listed diagnoses were heart disease and malignant neoplasms for all groups except patients under 45 years of age and those in smaller hospitals (fewer than 200 beds). For patients under 15 years of age, the most frequent first-listed diagnosis was chronic disease of tonsils and adenoids, followed by pneumonia, all forms. Excluding females with deliveries, the two most frequent first-listed diagnoses for patients 15-44 years of age were all abortions, including ectopic and molar pregnancies, and fractures, all sites. For hospitals with fewer than 200 beds, the most common first-listed diagnosis, excluding deliveries, was heart disease. The second most frequent diagnosis in hospitals with 6-99 beds was pneumonia, all forms. In hospitals with 100-199 beds, the second most common diagnosis was malignant neoplasms or fractures, all sites; no significant difference was found between the estimates for these two diagnostic categories.

The number and rate of patients discharged from short-stay hospitals and average length of stay, by ICD-9-CM diagnostic classes and selected categories, are presented by age for 1979 in table 13. Although the estimated rates of discharge from short-stay hospitals generally increased as the age of the patients increased, especially for patients 15 years of age and over, some decreases were observed. For example, decreases in rates between the two oldest age groups (45-64 years and 65 years and over) occurred for the categories of alcohol dependence syndrome, calculus of kidney and ureter, and intervertebral disc dis-

Table D. Number and rate of patients and days of care for patients discharged from short-stay hospitals and average length of stay, by selected first-listed diagnostic categories: 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  | Discharged patients |                           | Days of care        |                           | Average length of stay in days |
|--|---------------------|---------------------------|---------------------|---------------------------|--------------------------------|
|  | Number in thousands | Rate per 1,000 population | Number in thousands | Rate per 1,000 population |                                |
| All conditions <sup>1</sup> . . . . .  | 36,747              | 170.2                     | 264,173             | 1,223.7                   | 7.2                            |
| Females with deliveries . . . . . V27  | 3,646               | 16.9                      | 13,665              | 63.3                      | 3.7                            |
| Heart disease . . . . . 402, 404, 410-429  | 3,065               | 14.2                      | 29,378              | 136.1                     | 9.6                            |
| Acute myocardial infarction . . . . . 410  | 433                 | 2.0                       | 5,457               | 25.3                      | 12.6                           |
| Atherosclerotic heart disease . . . . . 414.0  | 592                 | 2.7                       | 5,758               | 26.7                      | 9.7                            |
| Other ischemic heart disease . . . . . 411-413, 414.1-414.9                                | 714                 | 3.3                       | 5,480               | 25.4                      | 7.7                            |
| Malignant neoplasms . . . . . 140-208  | 1,745               | 8.1                       | 21,496              | 99.6                      | 12.3                           |
| Fractures, all sites . . . . . 800-829   | 1,180               | 5.5                       | 12,366              | 57.3                      | 10.5                           |
| Pneumonia, all forms . . . . . 480-486   | 756                 | 3.5                       | 6,021               | 27.9                      | 8.0                            |
| Cerebrovascular disease . . . . . 430-438  | 747                 | 3.5                       | 9,226               | 42.7                      | 12.4                           |
| Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 210-239 | 656                 | 3.0                       | 4,044               | 18.7                      | 6.2                            |
| Noninfectious enteritis and colitis . . . . . 555-558                                      | 616                 | 2.9                       | 3,318               | 15.4                      | 5.4                            |
| Diabetes mellitus . . . . . 250  | 600                 | 2.8                       | 6,078               | 28.2                      | 10.1                           |
| All abortions, including ectopic and molar pregnancies . . . . . 630-639                   | 536                 | 2.5                       | 1,172               | 5.4                       | 2.2                            |
| Psychoses . . . . . 290-299  | 512                 | 2.4                       | 7,440               | 34.5                      | 14.5                           |
| Chronic disease of tonsils and adenoids . . . . . 474                                      | 497                 | 2.3                       | 988                 | 4.6                       | 2.0                            |
| Arthropathies and related disorders . . . . . 710-719                                      | 481                 | 2.2                       | 4,636               | 21.5                      | 9.6                            |
| Inguinal hernia . . . . . 550  | 475                 | 2.2                       | 2,339               | 10.8                      | 4.9                            |
| Disorders of menstruation and other abnormal vaginal bleeding . . . . . 626                | 450                 | 2.1                       | 1,516               | 7.0                       | 3.4                            |
| Cholelithiasis . . . . . 574   | 447                 | 2.1                       | 4,372               | 20.2                      | 9.8                            |
| Alcohol dependence syndrome . . . . . 303  | 439                 | 2.0                       | 4,077               | 18.9                      | 9.3                            |

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

orders. Moreover, the rates generally decreased with increasing age for the class of congenital anomalies and the categories of chronic disease of tonsils and adenoids, appendicitis, disorders of menstruation and other abnormal vaginal bleeding, and sprains and strains of back (including neck).

Ratios of the total discharge rates for each age group to the discharge rate for all ages were computed and compared with the comparable ratios for each diagnostic category in table 13. Based on these comparisons, the rates for many of the categories were higher than would be expected, especially for the youngest and the older age groups. For patients under 15 years of age, some of these categories were diseases of the ear and mastoid process, other acute upper respiratory infections, except influenza, and chronic disease of tonsils and adenoids. For patients 45-64 years of age, some of the categories for which the rates were higher than expected were those of alcohol dependence syndrome, essential hypertension, acute myocardial infarction, other ischemic heart disease, and intervertebral disc disorders. For patients 65 years of age and over, rates higher than expected occurred for many of the diagnostic categories. Some of these categories were malignant neoplasms; diabetes mellitus; cataract; all of the categories shown under diseases of the circulatory system, especially atherosclerotic heart disease, congestive heart failure, and essential hypertension;

pneumonia, all forms; ulcers of the stomach and small intestine; and arthropathies and related disorders.

The average length of stay increased with increasing age especially for patients 15 years of age and over for most classes and categories of diagnoses. Generally, it tended to be higher for mental disorders (especially psychoses), malignant neoplasms, and various diseases of the circulatory system. Long average lengths of stay were observed for patients 45 years of age and over with a first-listed diagnosis in the category of diseases of the central nervous system. On the average, patients 65 years of age and over with a first-listed diagnosis of arthropathies and related disorders or fractures, all sites also had long lengths of stay.

Data on discharges and average length of stay for patients discharged from short-stay hospitals by sex and color are presented in table 14 by diagnostic classes and selected categories of first-listed diagnosis. Discharge rates were computed for sex but not for color because of the large number of patients (4.7 million) for whom color was not stated.

Females had higher rates of discharges than males for most of the classes and categories shown. A significant exception occurred for the diagnostic class of injury and poisoning. For this class the rate for males was almost 40 percent higher than the rate for females. The rates for males were significantly greater than the rates for females for the categories of

alcohol dependence syndrome, heart disease, inguinal hernia, calculus of kidney and ureter, and lacerations and open wounds. Both sexes had virtually the same rates of discharges per 1,000 population for the diagnostic categories of malignant neoplasms (8.1), psychoses (2.4), acute bronchitis and bronchiolitis (1.1), gastritis and duodenitis (1.4), and sprains and strains of back (including neck) (1.6).

The ratios of the discharge rates for each sex to the total discharge rates were also computed. Non-sex-related diagnostic categories for males for which the rates were higher than expected included alcohol dependence syndrome, acute myocardial infarction, inguinal hernia, calculus of kidney and ureter, intracranial injuries (excluding those with skull fracture), and lacerations and open wounds. For females, some categories that had rates higher than could be expected if sex-related conditions are excluded were benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior, cholelithiasis, and persons admitted for sterilization.

Seventy-five percent of all the patients discharged were listed as white on their medical record and 12 percent were listed as other than white; the color of 13 percent was not stated. However, some variation occurred in this distribution for different diagnostic categories. For example, the percents were higher for white patients who were discharged with a first-listed diagnosis of heart disease and cholelithiasis and lower for those with a diagnosis of abortion including molar and ectopic pregnancy, asthma, lacerations and open wounds, and delivery. The percent of patients

for whom color was not stated remained about the same for these categories, but was higher for the diagnostic categories of alcohol dependence syndrome and intervertebral disc disorders. Average lengths of stay for almost all of the ICD-9-CM classes and categories shown were shorter for white patients than for all others. Exceptions occurred for the categories of alcohol dependence syndrome and asthma; white patients with these diagnoses stayed, on the average, at least 1 day longer than all other patients.

Table 15 provides information on patients discharged from short-stay hospitals by geographic region. In 1979, the number of discharges per 1,000 population ranged from 147 in the West Region to 185 in the North Central Region. The smallest fluctuations among the geographic regions in discharge rates for the diagnostic categories were for diseases of the central nervous system, asthma, appendicitis, and intracranial injuries (excluding those with skull fracture). The diagnostic categories for which variations in the rates were the largest were malignant neoplasms, which ranged from 7 per 1,000 population in the South to 9 in the Northeast; alcohol dependence syndrome, from 1 in the South to 4 in the Northeast; heart disease, which ranged from 12 in the West to 15 in the South; and pneumonia, all forms, with a range of 2 in the West to 5 in the South.

The number of patients discharged from short-stay hospitals during 1979 and the average length of stay are shown by bed size of hospital and diagnostic

Table E. Percent distribution of patients discharged from short-stay hospitals by bed size of hospital, according to diagnostic class: 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 class and ICD-9-CM code  | All sizes | 6-99 beds | 100-199 beds | 200-299 beds | 300-499 beds | 500 beds or more | Percent distribution |  |  |  |  |  |
|---|-----------|-----------|--------------|--------------|--------------|------------------|----------------------|--|--|--|--|--|
|   |           |           |              |              |              |                  |                      |  |  |  |  |  |
| All conditions  | 100.0     | 19.1      | 17.3         | 17.7         | 23.4         | 22.5             |                      |  |  |  |  |  |
| I. Infectious and parasitic diseases . . . . . 001-139  | 100.0     | 19.6      | 18.0         | 17.3         | 21.9         | 23.3             |                      |  |  |  |  |  |
| II. Neoplasms . . . . . 140-239   | 100.0     | 10.3      | 13.7         | 16.9         | 26.9         | 32.2             |                      |  |  |  |  |  |
| III. Endocrine, nutritional, and metabolic diseases . . . . . 240-279                         | 100.0     | 20.6      | 16.5         | 18.0         | 23.9         | 21.1             |                      |  |  |  |  |  |
| IV. Diseases of the blood and blood-forming organs . . . . . 280-289                          | 100.0     | 20.5      | 14.2         | 17.4         | 24.9         | 23.0             |                      |  |  |  |  |  |
| V. Mental disorders . . . . . 290-319   | 100.0     | 26.0      | 14.9         | 14.3         | 23.3         | 21.5             |                      |  |  |  |  |  |
| VI. Diseases of the nervous system and sense organs . . . . . 320-389                         | 100.0     | 12.2      | 15.9         | 16.4         | 28.3         | 27.1             |                      |  |  |  |  |  |
| VII. Diseases of the circulatory system . . . . . 390-459                                     | 100.0     | 20.1      | 17.6         | 17.9         | 23.4         | 21.1             |                      |  |  |  |  |  |
| VIII. Diseases of the respiratory system . . . . . 460-519                                    | 100.0     | 27.1      | 19.1         | 17.0         | 20.5         | 16.2             |                      |  |  |  |  |  |
| IX. Diseases of the digestive system . . . . . 520-579  | 100.0     | 22.9      | 17.8         | 18.5         | 22.4         | 18.4             |                      |  |  |  |  |  |
| X. Diseases of the genitourinary system . . . . . 580-629                                     | 100.0     | 16.7      | 19.0         | 19.1         | 23.1         | 22.1             |                      |  |  |  |  |  |
| XI. Complications of pregnancy, childbirth, and the puerperium <sup>1</sup> . . . . . 630-676 | 100.0     | 13.5      | 19.5         | 17.3         | 23.0         | 26.7             |                      |  |  |  |  |  |
| XII. Diseases of the skin and subcutaneous tissue . . . . . 680-709                           | 100.0     | 20.8      | 15.9         | 16.3         | 23.8         | 23.3             |                      |  |  |  |  |  |
| XIII. Diseases of the musculoskeletal system and connective tissue . . . . . 710-739          | 100.0     | 17.3      | 16.4         | 19.1         | 23.3         | 23.9             |                      |  |  |  |  |  |
| XIV. Congenital anomalies . . . . . 740-759   | 100.0     | 9.3       | 10.1         | 16.1         | 26.8         | 37.7             |                      |  |  |  |  |  |
| XV. Certain conditions originating in the perinatal period . . . . . 760-779                  | 100.0     | 14.7      | 10.4         | 18.1         | 30.2         | 26.6             |                      |  |  |  |  |  |
| XVI. Symptoms, signs, and ill-defined conditions . . . . . 780-799                            | 100.0     | 20.2      | 17.5         | 17.9         | 20.8         | 23.5             |                      |  |  |  |  |  |
| XVII. Injury and poisoning . . . . . 800-999  | 100.0     | 20.9      | 17.5         | 17.5         | 23.7         | 20.3             |                      |  |  |  |  |  |
| Supplementary classifications . . . . . V01-V82   | 100.0     | 14.9      | 17.9         | 18.0         | 23.3         | 25.9             |                      |  |  |  |  |  |

<sup>1</sup>Females with deliveries are included under "Supplementary classifications."

category in table 16. Females with deliveries ranked as the highest category for first-listed diagnosis in hospitals of all bed sizes except the smallest, where it was second. In hospitals of 6-99 beds, the highest ranking diagnostic category was that of heart disease.

The proportions of some diagnostic conditions treated in hospitals varied according to the size of the hospital. As is shown in table E, greater proportions of patients were treated in the smallest hospitals (6-99 beds) for mental disorders and diseases of the respiratory system. On the other hand, greater proportions of discharges were from the largest hospitals (500 beds or more) for neoplasms and congenital anomalies.

For the most part, the average length of stay for the diagnostic classes and categories followed the same patterns as the overall average lengths of stay for each region and bed size of hospital. That is, short hospital stays were more common in the West; long stays occurred more frequently in the Northeast Region. Similarly, the average length of stay generally increased as the size of the hospital increased.

*All-listed diagnoses.*—An estimated 86.1 million diagnoses were recorded for the 36.7 million inpatients of non-Federal short-stay hospitals in 1979 (table 17) for an average of 2.3 diagnoses per discharged patient. The average number of diagnoses per discharge increased from prior years primarily because of changes that were made in the way data are tabulated. Starting in 1979, up to seven diagnoses per discharge are now coded and tabulated on the NHDS data file; prior to this time, up to five diagnoses were coded. In addition, the ICD-9-CM, which is the new classification scheme used for coding diagnostic and surgical data, has inherent in it a certain amount of “double coding,” while the classification used prior to 1979 does not. For example, females with deliveries all receive one additional diagnostic code that indicates the outcome of their delivery (single liveborn; twins, both liveborn; etc.) whereas this was not the case prior to 1979.

The average number of diagnoses per discharge varied only slightly by sex and color of the patient and by region and bed size of the hospital. For each of these categories, the average was either 2.3 or 2.4 diagnoses per patient. However, a larger variation occurred by age. The average number of diagnoses per discharge for the age groups under 15 years, 15-44 years, 45-64 years, and 65 years and over was 1.7, 2.0, 2.5, and 3.2, respectively.

Diseases of the circulatory system ranked first among the ICD-9-CM diagnostic classes for all-listed diagnoses, with 15.6 million diagnoses. This class was followed by diseases of the digestive system (8.5 million); diseases of the genitourinary system (7.5 million); supplementary classifications (6.7 million); injury and poisoning (6.4 million); diseases of the respiratory system (6.3 million); and complications of

pregnancy, childbirth, and the puerperium (5.5 million). These seven ICD-9-CM classes accounted for 66 percent of all-listed diagnoses in 1979.

### Utilization by procedures

One or more procedures were performed for an estimated 18.9 million of the 36.7 million inpatients discharged from short-stay hospitals during 1979. A total of 29.6 million procedures, or an average of 1.6 per patient who underwent at least one procedure, were recorded in 1979 (table 18).

These figures are higher than in previous years for several reasons. Both the number of procedures and the percent of patients with procedures have increased over the past 10 years. In addition, changes in the tabulation and coding of data for the NHDS have resulted in the reporting of a greater number of procedures. More procedures, in terms of both number per patient and type of procedure, were coded in 1979. Specifically, in 1979 up to four procedures, instead of only three, were coded for each discharge. Furthermore, only figures for “surgical” operations were published in the past. However, since 1979 the total number includes many additional nonsurgical procedures. These coding changes account for most of the increase in the number of procedures. (See appendix I under the section entitled “Medical coding and edit” and appendix II under the section entitled “Terms relating to procedures” for more information on the differences between coding the ICDA and the ICD-9-CM.)

Table F shows the number and percent of patients with procedures for 1979 and also the number and percent of patients with surgical procedures. These last figures are included to provide data that are comparable with what was published in prior years.<sup>4,5</sup> About half of the patients discharged had some procedure, including diagnostic and nonsurgical procedures. Some variations in the proportions, however, occurred by age and sex of the patient, geographic region, and bed size of the hospital. Patients 15-44 years of age had the highest proportion of all the age groups with procedures (61 percent); patients 65 years and over had the lowest (40 percent). Women had more procedures than men (55 percent compared with 47 percent), primarily because of those relating to childbirth. Among the geographic regions, the lowest percent of persons with procedures occurred in the South Region (47 percent) and the highest in the West Region (56 percent). The proportion of patients with one or more procedures increased with the size of the hospital, from 33 percent in hospitals with 6-99 beds to 61 percent in hospitals with 500 beds or more.

Six out of ten patients (61 percent) with procedures had only one operation or nonsurgical procedure during their hospitalization (table G). About

Table F. Number of patients discharged from short-stay hospitals with and without procedures and percent with procedures, by age, sex, and color of patient and geographic region and bed size of hospital: United States, 1979

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

| Characteristic              | All discharged patients | Patients without procedures | Patients with procedures |  |              |  |
|-----------------------------|-------------------------|-----------------------------|--------------------------|--|--------------|--|
|                             |                         |                             | All patients             | Patients with surgical procedures <sup>1</sup> | All patients | Patients with surgical procedures <sup>1</sup> |
|                             |                         |                             |                          |  |              |  |
| All patients . . . . .      | 36,747                  | 17,851                      | 18,896                   | 16,595   | 51.4         | 45.2   |
| Age                         |                         |                             |                          |  |              |  |
| Under 15 years . . . . .    | 3,641                   | 2,067                       | 1,575                    | 1,397  | 43.3         | 38.4   |
| 15-44 years . . . . .       | 15,488                  | 5,974                       | 9,514                    | 8,777  | 61.4         | 56.7   |
| 45-64 years . . . . .       | 8,532                   | 4,325                       | 4,207                    | 3,489  | 49.3         | 40.9   |
| 65 years and over . . . . . | 9,086                   | 5,485                       | 3,601                    | 2,932  | 39.6         | 32.3   |
| Sex                         |                         |                             |                          |  |              |  |
| Male . . . . .              | 14,705                  | 7,866                       | 6,839                    | 5,728  | 46.5         | 39.0   |
| Female . . . . .            | 22,042                  | 9,985                       | 12,057                   | 10,867   | 54.7         | 49.3   |
| Color                       |                         |                             |                          |  |              |  |
| White . . . . .             | 27,451                  | 13,354                      | 14,097                   | 12,325   | 51.4         | 44.9   |
| All other . . . . .         | 4,572                   | 2,316                       | 2,256                    | 1,982  | 49.3         | 43.4   |
| Color not stated . . . . .  | 4,724                   | 2,180                       | 2,543                    | 2,288  | 53.8         | 48.4   |
| Geographic region           |                         |                             |                          |  |              |  |
| Northeast . . . . .         | 7,786                   | 3,575                       | 4,210                    | 3,649  | 54.1         | 46.9   |
| North Central . . . . .     | 10,647                  | 5,045                       | 5,602                    | 4,967  | 52.6         | 46.7   |
| South . . . . .             | 12,425                  | 6,629                       | 5,796                    | 5,083  | 46.6         | 40.9   |
| West . . . . .              | 5,889                   | 2,601                       | 3,288                    | 2,896  | 55.8         | 49.2   |
| Bed size of hospital        |                         |                             |                          |  |              |  |
| 6-99 beds . . . . .         | 7,020                   | 4,737                       | 2,284                    | 2,090  | 32.5         | 29.8   |
| 100-199 beds . . . . .      | 6,348                   | 3,155                       | 3,194                    | 2,790  | 50.3         | 44.0   |
| 200-299 beds . . . . .      | 6,493                   | 2,949                       | 3,544                    | 3,097  | 54.6         | 47.7   |
| 300-499 beds . . . . .      | 8,615                   | 3,788                       | 4,827                    | 4,242  | 56.0         | 49.2   |
| 500 beds or more . . . . .  | 8,270                   | 3,222                       | 5,048                    | 4,376  | 61.0         | 52.9   |

<sup>1</sup>Excludes nonsurgical procedures.

26 percent of the patients had two procedures, about 9 percent had three, and about 5 percent had four or more. By age, patients under 15 years of age had the lowest proportion of multiple procedures (33 percent) and those 45-64 and 65 years of age and over had the largest proportion (45 percent and 44 percent, respectively). A smaller proportion of patients discharged from the smallest hospitals had more than one procedure (35 percent); about 40 percent of the patients discharged from hospitals of all other sizes had two or more procedures during their hospitalization.

Table G also shows the percent of patients with surgical procedures (i.e., all procedures except non-surgical—see appendix II) by number of procedures. Again, these figures are comparable with those published in prior years.<sup>4,5</sup> Over two-thirds (68 percent) of the patients with surgical procedures had only one, 23 percent had two, and 9 percent had three or more.

Selected measures of surgical utilization for 1970, 1975, and 1979 are shown in table H. As mentioned

previously, changes in the coding and tabulation of data for the NHDS have resulted in the reporting of a greater number of procedures in 1979 than in earlier years. Therefore, two sets of figures are shown for 1979. The second set presents unadjusted 1979 data and can be used with other 1979 data presented in this report such as those shown in tables F and G. The first set presents data for 1979 that were adjusted to make them comparable with the 1970 and 1975 data. The following trend analysis uses the adjusted 1979 data.

The number of all-listed operations rose from 15.6 million in 1970 to 21.3 million in 1979, an increase of almost 37 percent. The rate per 1,000 population, however, increased only 26 percent within this same period, from 78.2 in 1970 to 98.8 in 1979.

A similar pattern exists for the number and rate of patients with surgery. The number of patients with surgery increased 30 percent from 1970 to 1979 while the rate increased only 20 percent. During this same period the percent of patients with a single

Table G. Percent distribution of patients discharged from short-stay hospitals by number of procedures, according to age, sex, and color of patient and geographic region and bed size of hospital: United States, 1979

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

| Characteristic                                 | All discharged patients with procedures | Percent distribution |              |              |                                   |
|--|---|----------------------|--------------|--------------|-----------------------------------|
|  |   | 1 procedure          | 2 procedures | 3 procedures | 4 procedures or more <sup>1</sup> |
| All patients                                   | 100.0                                   | 61.2                 | 25.6         | 8.5          | 4.7                               |
| Age  |   |                      |              |              |                                   |
| Under 15 years                                 | 100.0                                   | 67.4                 | 25.3         | 5.2          | 2.0                               |
| 15-44 years                                    | 100.0                                   | 64.7                 | 24.5         | 7.4          | 3.5                               |
| 45-64 years                                    | 100.0                                   | 55.4                 | 27.0         | 11.2         | 6.5                               |
| 65 years and over                              | 100.0                                   | 56.0                 | 27.2         | 9.9          | 6.9                               |
| Sex  |   |                      |              |              |                                   |
| Male   | 100.0                                   | 59.2                 | 26.3         | 8.9          | 5.6                               |
| Female   | 100.0                                   | 62.3                 | 25.2         | 8.3          | 4.1                               |
| Color  |   |                      |              |              |                                   |
| White  | 100.0                                   | 60.6                 | 25.8         | 8.9          | 4.8                               |
| All other                                      | 100.0                                   | 62.4                 | 24.7         | 7.9          | 5.0                               |
| Color not stated                               | 100.0                                   | 63.6                 | 25.7         | 7.1          | 3.6                               |
| Geographic region                              |   |                      |              |              |                                   |
| Northeast                                      | 100.0                                   | 62.1                 | 25.2         | 8.2          | 4.4                               |
| North Central                                  | 100.0                                   | 60.9                 | 25.8         | 8.5          | 4.8                               |
| South  | 100.0                                   | 60.3                 | 25.9         | 9.1          | 4.7                               |
| West   | 100.0                                   | 62.1                 | 25.3         | 7.8          | 4.7                               |
| Bed size of hospital                           |   |                      |              |              |                                   |
| 6-99 beds                                      | 100.0                                   | 65.4                 | 23.0         | 7.5          | 4.1                               |
| 100-199 beds                                   | 100.0                                   | 60.6                 | 25.6         | 8.7          | 5.1                               |
| 200-299 beds                                   | 100.0                                   | 60.6                 | 25.7         | 9.1          | 4.7                               |
| 300-499 beds                                   | 100.0                                   | 61.0                 | 26.0         | 8.6          | 4.4                               |
| 500 beds or more                               | 100.0                                   | 60.3                 | 26.5         | 8.4          | 4.9                               |
| Patients with surgical procedures <sup>2</sup> | 100.0                                   | 67.8                 | 23.1         | 6.6          | 2.5                               |

<sup>1</sup>A maximum of four procedures was coded for each patient discharged.

<sup>2</sup>Excludes nonsurgical procedures.

Table H. Selected measures of surgical<sup>1</sup> utilization: United States, 1970, 1975, and 1979

[Data for non-Federal short-stay hospitals. Excludes newborn infants]

| Measure of utilization                             | 1970   | 1975    | 1979 <sup>2</sup> | 1979    |
|--|--------|---------|-------------------|---------|
| Surgical procedures                                |        |         |                   |         |
| Number of all-listed operations in thousands       | 15,613 | 20,040  | 21,325            | 23,858  |
| Rate of all-listed operations per 1,000 population | 78.2   | 95.8    | 98.8              | 110.5   |
| Discharged patients                                |        |         |                   |         |
| Number of patients in thousands                    | 11,553 | 14,189  | 15,005            | 16,595  |
| Rate of patients per 1,000 population              | 57.9   | 67.9    | 69.5              | 76.9    |
| Number of days of care in thousands                | 92,460 | 111,465 | 112,139           | 117,168 |
| Rate of days of care per 1,000 population          | 463.3  | 533.1   | 519.4             | 542.7   |
| Average length of stay in days                     | 8.0    | 7.9     | 7.5               | 7.1     |
| Percent of all patients with surgery               | 39.7   | 41.7    | 40.8              | 45.2    |
| Percent of surgical patients with only 1 surgery   | 72.3   | 68.1    | 67.4              | 67.8    |

<sup>1</sup>Excludes nonsurgical procedures.

<sup>2</sup>Excludes the following obstetrical procedures that were not coded in 1970 and 1975: Episiotomy, artificial rupture of membranes, internal version, and outlet and low forceps delivery. Up to 3 operations were coded per discharge in 1970 and 1975 and up to 4 were coded in 1979. However, this 1979 figure includes only the first 3 operations to maintain comparability to data for prior years.



surgical procedure decreased only slightly, from 72 percent to 67 percent. These figures indicate that the increase in the number of surgeries performed is due to a combination of the increase in the number of patients with surgery and the increase in the total number of operations performed on patients with multiple surgeries.

The number of days of care for patients with surgery increased 21 percent from 1970 to 1979. The rate of days of care per 1,000 population of patients with surgery increased 15 percent between 1970 and 1975 but then decreased slightly (3 percent) between 1975 and 1979. This decrease, however, was not statistically significant.

The average length of stay of patients with surgery remained virtually the same from 1970 to 1975. An apparent decrease occurred between 1975 and 1979 (from 7.9 days to 7.5 days); however, this decrease is also not statistically significant.

Procedures in the ICD-9-CM have been categorized into four classes by a Technical Consultant Panel of the United States National Committee on Vital and Health Statistics.<sup>6</sup> Generally, the term "surgery" is categorized in Class 1. Because of differences between the ICDA and the ICD-9-CM, however, Class 1 procedures are not identical with the surgical procedures published by the NHDS prior to 1979.<sup>4,5</sup> See appendix I for more information on this categorization, under the section entitled "Medical coding and edit."

The number and rate of all-listed procedures performed during 1979 are shown for each ICD-9-CM

class in table J. Data for Class 1 procedures are also presented.

Most of the procedures performed during 1979, including nonsurgical procedures, were on the digestive system (5.1 million), followed by operations on the female genital organs (4.2 million), obstetrical procedures (3.5 million), operations on the musculoskeletal system (3.0 million), and miscellaneous diagnostic and therapeutic procedures (3.0 million). Over three-fifths (64 percent) of the procedures performed in 1979 were included in these five major groups.

The above rank order changes somewhat when only Class 1 procedures are considered. Most of the Class 1 procedures were on the female genital organs or the digestive system (4.2 million and 4.1 million, respectively), followed by operations on the musculoskeletal system (3.0 million). Next came operations on the integumentary system (1.9 million), operations on the urinary system (1.8 million), obstetrical procedures (1.8 million), and operations on the nose, mouth, and pharynx (1.7 million). These seven major groups constituted 75 percent of the Class 1 procedures performed during 1979.

Procedures are grouped in the detailed tables of this report by the 16 major ICD-9-CM groups. Selected procedures within these groups are presented by specific categories within the detailed tables as well as in the text tables. Some of these categories such as repair of inguinal hernia, prostatectomy, and hysterectomy are presented as single categories although they may be divided into more precise subgroups.

Table J. Number and rate of all-listed procedures and of Class 1 procedures<sup>1</sup> for patients discharged from short-stay hospitals, by procedure category: United States, 1979

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

| Procedure category and ICD-9-CM code                               | All procedures      | Class 1 procedures | All procedures              | Class 1 procedures |
|--|---------------------|--------------------|-----------------------------|--------------------|
|  | Number in thousands |                    | Rate per 100,000 population |                    |
| All procedures . . . . .   | 29,603              | 24,379             | 13,712.3                    | 11,292.7           |
| Operations on the nervous system . . . . .01-05                    | 710                 | 453                | 328.7                       | 209.9              |
| Operations on the endocrine system . . . . .06-07                  | 113                 | 113                | 52.4                        | 52.4               |
| Operations on the eye . . . . .08-16                               | 945                 | 945                | 437.8                       | 437.8              |
| Operations on the ear . . . . .18-20                               | 429                 | 429                | 198.8                       | 198.8              |
| Operations on the nose, mouth, and pharynx . . . . .21-29          | 1,667               | 1,654              | 772.3                       | 766.2              |
| Operations on the respiratory system . . . . .30-34                | 813                 | 644                | 376.8                       | 298.4              |
| Operations on the cardiovascular system . . . . .35-39             | 1,196               | 1,196              | 554.0                       | 553.9              |
| Operations on the hemic and lymphatic system . . . . .40-41        | 329                 | 329                | 152.2                       | 152.2              |
| Operations on the digestive system . . . . .42-54                  | 5,081               | 4,075              | 2,353.7                     | 1,887.8            |
| Operations on the urinary system . . . . .55-59                    | 1,925               | 1,817              | 891.6                       | 841.6              |
| Operations on the male genital organs . . . . .60-64               | 757                 | 654                | 350.6                       | 303.1              |
| Operations on the female genital organs . . . . .65-71             | 4,240               | 4,194              | 1,963.8                     | 1,942.8            |
| Obstetrical procedures . . . . .72-75                              | 3,471               | 1,799              | 1,607.6                     | 833.4              |
| Operations on the musculoskeletal system . . . . .76-84            | 3,044               | 2,997              | 1,410.1                     | 1,388.1            |
| Operations on the integumentary system . . . . .85-86              | 1,885               | 1,878              | 873.3                       | 869.7              |
| Miscellaneous diagnostic and therapeutic procedures . . . . .87-99 | 2,998               | 1,201              | 1,388.6                     | 556.4              |

<sup>1</sup>Procedures that are generally considered to be "surgery" and that carry an operative or anesthetic risk or require highly trained personnel, special facilities, or special equipment.

The number and rate of all-listed procedures in 1979 by selected ICD-9-CM categories are shown in table K. The categories presented in this table include procedures that were performed frequently during the year. Many of the procedures included in this table are diagnostic and nonsurgical procedures for which data have been previously unpublished by the NHDS such as endoscopy on the digestive system, radioisotope scan, and arteriography and angiocardiology using contrast material. Over one-half million of each of these procedures were performed during 1979.

Table K also includes data for the more traditional leading surgical operations. As in 1978, some of the most frequently performed procedures, of which 500,000 or more were performed each year, included diagnostic dilation and curettage of uterus, hysterectomy, bilateral destruction or occlusion of fallopian tubes, cesarean section, tonsillectomy with or without adenoidectomy, and repair of inguinal hernia.<sup>4</sup>

The estimated 29.6 million procedures performed

in 1979 are presented in table 18 for the ICD-9-CM major groups and categories, by sex and color, and for persons 15 years of age and over. The corresponding rates are shown by sex and for the age group 15 years of age and over in table 19.

Of the 29.6 million procedures performed during 1979, about 11.0 million were for males and 18.6 million were for females. The corresponding rates per 1,000 population were 137 for both sexes, 106 for males, and 166 for females. When the ratios of the rates for each sex to the total rates were computed, it was seen that the rates for some of the categories were higher than could be expected (excluding sex-related procedures such as prostatectomy or hysterectomy). A few of these categories for males were open heart surgery, cardiac catheterization, repair of inguinal hernia, and excision of semilunar cartilage of knee. For females, the rates for cholecystectomy and division of peritoneal adhesions were higher than expected.

The rate of procedures per 1,000 population increased with advancing age from 45 for patients

Table K. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by selected procedure categories: United States, 1979

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

| Procedure category and ICD-9-CM code  | Procedures          |                             |
|---|---------------------|-----------------------------|
|   | Number in thousands | Rate per 100,000 population |
| All procedures  | 29,603              | 13,712.3                    |
| Surgical procedures <sup>1</sup>  | 23,858              | 11,051.4                    |
| Nonsurgical procedures <sup>1</sup>   | 5,744               | 2,660.9                     |
| Procedures to assist delivery   | 72-73               | 2,331 1,079.6               |
| Biopsy <sup>1</sup>   | 1,328               | 614.9                       |
| Endoscopy on the digestive system . . . 42.21-42.23, 44.11-44.13, 45.11-45.13, 45.21-45.24, 48.21-48.22, 51.11, 54.21 | 1,141               | 528.5                       |
| Diagnostic dilation and curettage of uterus . . . . . 69.09   | 935                 | 433.0                       |
| Cystoscopy and urethroscopy . . . . . 55.21-55.22, 56.31, 57.32, 58.22  | 894                 | 414.0                       |
| Excision or destruction of lesion or tissue of skin or subcutaneous tissue . . . . . 86.2-86.4                        | 693                 | 320.9                       |
| Hysterectomy . . . . . 68.3-68.7  | 639                 | 295.9                       |
| Bilateral destruction or occlusion of fallopian tubes . . . . . 66.2-66.3   | 610                 | 282.7                       |
| Cesarean section . . . . . 74.0-74.2, 74.4, 74.99   | 599                 | 277.5                       |
| Radioisotope scan . . . . . 92.0-92.1   | 531                 | 245.8                       |
| Arteriography and angiocardiology using contrast material . . . . . 88.4-88.5   | 526                 | 243.7                       |
| Tonsillectomy with or without adenoidectomy . . . . . 28.2-28.3   | 500                 | 231.8                       |
| Repair of inguinal hernia . . . . . 53.0-53.1   | 500                 | 231.6                       |
| Pyelogram . . . . . 87.73-87.75   | 448                 | 207.5                       |
| Oophorectomy and salpingo-oophorectomy . . . . . 65.3-65.6  | 447                 | 207.1                       |
| Cholecystectomy . . . . . 51.2  | 445                 | 206.2                       |
| Extraction of lens . . . . . 13.1-13.6  | 418                 | 193.5                       |
| Operations on muscles, tendons, fascia and bursa . . . . . 82-83.1, 83.3-83.9   | 406                 | 188.0                       |
| Open reduction of fracture . . . . . 76.79, 79.2-79.3, 79.5-79.6  | 352                 | 163.1                       |
| Repair of current obstetric laceration . . . . . 75.5-75.6  | 341                 | 157.8                       |
| Appendectomy, excluding incidental . . . . . 47.0   | 311                 | 144.1                       |
| Incidental appendectomy . . . . . 47.1  | 299                 | 138.7                       |
| Dilation and curettage of uterus after delivery or abortion . . . . . 69.02   | 298                 | 138.3                       |
| Cardiac catheterization . . . . . 37.21-37.23   | 298                 | 138.1                       |
| Prostatectomy . . . . . 60.2-60.6   | 293                 | 135.7                       |
| Contrast myelogram . . . . . 87.21  | 290                 | 134.6                       |
| Other reduction of fracture . . . . . 76.70, 76.78, 79.0-79.1, 79.4   | 282                 | 130.4                       |

<sup>1</sup>See appendix II for ICD-9-CM codes in this category.

under 15 years to 258 for patients 65 years of age and over (table L). Except for females 15-44 years of age, the rates for each sex also increased as age increased. The rate for females 15-44 years of age was higher than that for females 45-64 years of age because of the large number of females 15-44 years of age operated on for obstetrical and gynecological conditions.

Generally, the percent distribution of total procedures for white patients was similar to that for all other patients. Although there were some differences, it is difficult to determine whether or not these differences were real because of the large number of patients for whom color was not stated. It is interesting, however, that all other patients had larger proportions than white patients for operations on the female genital organs and obstetrical procedures.

The number of procedures for patients discharged from short-stay hospitals by procedure category and geographic region is presented in table 20 and the corresponding rates are shown in table 21. The rate of procedures per 1,000 population was lowest in the

West Region (127) and highest in the North Central Region (153). Rates were highest in all regions for operations on the digestive system, operations on the female genital organs, obstetrical procedures, operations on the musculoskeletal system, and miscellaneous diagnostic and therapeutic procedures.

Ratios of the total rates for each region to the rate for all regions were computed and compared with corresponding ratios for each ICD-9-CM category. Rates higher than expected occurred in the Northeast Region for ligation and stripping of varicose veins, curettage of uterus to terminate pregnancy, diagnostic dilation and curettage of uterus, diagnostic ultrasound, and radioisotope scan; in the North Central Region for rhinoplasty and repair of nose and arthroplasty of joints; in the South Region for division of peritoneal adhesions, dilation of urethra, oophorectomy and salpingo-oophorectomy, bilateral destruction or occlusion of fallopian tubes, and hysterectomy; and in the West Region for open heart surgery, repair of current obstetric laceration, open reduction of fracture, and computerized axial tomography (C.A.T. scan).

The number of procedures patients underwent in short-stay hospitals during 1979 is presented in table 22 for each ICD-9-CM category by bed size of hospital where the procedure was performed. Operations on the digestive system ranked highest of all-listed procedures for all hospital bed-size groups and operations on the female genital organs ranked next.

Table M gives the percent distributions of the major groups of procedures by bed size of hospital. A greater proportion of all procedures was performed in the larger hospitals (300 beds or more) than in the smaller hospitals. Hospitals with 300 beds or more treated an estimated 46 percent of the patients hospitalized during 1979, but they performed about 52 percent of the operations. Procedures for which the largest percents were performed in hospitals with 300 beds or more were operations on the cardiovascular system (70 percent), on the nervous system (66 percent), on the endocrine system (65 percent), on the respiratory system (63 percent), and on the hemic and lymphatic system (63 percent).

Table L. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by sex and age of patient: United States, 1979

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

| <i>Age</i>                  | <i>Both sexes</i>                    | <i>Male</i> | <i>Female</i> |
|-----------------------------|--------------------------------------|-------------|---------------|
|                             | Number of procedures<br>in thousands |             |               |
| All ages . . . . .          | 29,603                               | 11,007      | 18,596        |
| Under 15 years . . . . .    | 2,233                                | 1,285       | 948           |
| 15-44 years . . . . .       | 14,233                               | 3,647       | 10,586        |
| 45-64 years . . . . .       | 7,099                                | 3,137       | 3,962         |
| 65 years and over . . . . . | 6,037                                | 2,938       | 3,099         |
|                             | Rate per 1,000 population            |             |               |
| All ages . . . . .          | 137.1                                | 105.7       | 166.5         |
| Under 15 years . . . . .    | 44.6                                 | 50.3        | 38.7          |
| 15-44 years . . . . .       | 143.9                                | 75.7        | 208.6         |
| 45-64 years . . . . .       | 163.3                                | 150.9       | 174.6         |
| 65 years and over . . . . . | 258.3                                | 305.0       | 225.6         |

Table M. Percent distribution of all-listed procedures for patients discharged from short-stay hospitals by bed size of hospital, according to procedure category: United States, 1979

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

| <i>Procedure category and ICD-9-CM code</i>                        | <i>All sizes</i> | <i>6-99 beds</i>     | <i>100-199 beds</i> | <i>200-299 beds</i> | <i>300-499 beds</i> | <i>500 beds or more</i> |
|--|------------------|----------------------|---------------------|---------------------|---------------------|-------------------------|
|  |                  | Percent distribution |                     |                     |                     |                         |
| All procedures . . . . .   | 100.0            | 11.6                 | 17.1                | 18.9                | 25.5                | 26.9                    |
| Operations on the nervous system . . . . .01-05                    | 100.0            | 6.8                  | 12.2                | 15.1                | 28.3                | 37.5                    |
| Operations on the endocrine system . . . . .06-07                  | 100.0            | 4.5                  | 12.2                | 18.6                | 27.2                | 37.5                    |
| Operations on the eye . . . . .08-16                               | 100.0            | 11.3                 | 15.6                | 15.4                | 30.4                | 27.4                    |
| Operations on the ear . . . . .18-20                               | 100.0            | 5.8                  | 14.6                | 21.3                | 32.7                | 25.6                    |
| Operations on the nose, mouth, and pharynx . . . . .21-29          | 100.0            | 13.5                 | 17.9                | 20.3                | 26.3                | 22.0                    |
| Operations on the respiratory system . . . . .30-34                | 100.0            | 5.2                  | 14.0                | 17.8                | 27.6                | 35.3                    |
| Operations on the cardiovascular system . . . . .35-39             | 100.0            | 3.3                  | 9.5                 | 17.0                | 28.8                | 41.6                    |
| Operations on the hemic and lymphatic system . . . . .40-41        | 100.0            | 9.7                  | 11.9                | 15.3                | 25.7                | 37.3                    |
| Operations on the digestive system . . . . .42-54                  | 100.0            | 13.4                 | 17.4                | 20.0                | 24.2                | 25.0                    |
| Operations on the urinary system . . . . .55-59                    | 100.0            | 9.9                  | 17.3                | 22.2                | 26.4                | 24.1                    |
| Operations on the male genital organs . . . . .60-64               | 100.0            | 12.4                 | 16.5                | 21.1                | 26.0                | 24.0                    |
| Operations on the female genital organs . . . . .65-71             | 100.0            | 13.1                 | 20.8                | 18.7                | 23.2                | 24.3                    |
| Obstetrical procedures . . . . .72-75                              | 100.0            | 12.8                 | 17.3                | 17.3                | 25.6                | 27.1                    |
| Operations on the musculoskeletal system . . . . .76-84            | 100.0            | 14.1                 | 16.7                | 20.0                | 25.2                | 24.0                    |
| Operations on the integumentary system . . . . .85-86              | 100.0            | 17.1                 | 16.6                | 17.9                | 24.4                | 24.0                    |
| Miscellaneous diagnostic and therapeutic procedures . . . . .87-99 | 100.0            | 6.5                  | 17.8                | 18.3                | 25.5                | 31.8                    |

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# List of detailed tables

|  |    |   |    |
|--|----|---|----|
| 1. Number, percent distribution, and rate of patients discharged from short-stay hospitals, by sex and age: United States, 1979 . . . . .  | 18 | 13. Number of patients discharged from short-stay hospitals, rate of discharges, and average length of stay, by category of first-listed diagnosis and age: United States, 1979 . . . . .   | 35 |
| 2. Number, percent distribution, and rate of days of care, average number of hospital beds occupied daily, and average length of stay for patients discharged from short-stay hospitals, by sex and age: United States, 1979 . . . . . | 20 | 14. Number of discharges and average length of stay for patients discharged from short-stay hospitals, by category of first-listed diagnosis, sex, and color; and rate of discharges by category of first-listed diagnosis and sex: United States, 1979 . . . . . | 37 |
| 3. Number and percent distribution of patients discharged from short-stay hospitals by age and length of stay, according to sex: United States, 1979 . . . . .   | 22 | 15. Number of patients discharged from short-stay hospitals, rate of discharges, and average length of stay, by category of first-listed diagnosis and geographic region: United States, 1979 . . . . .   | 39 |
| 4. Number and percent distribution of patients discharged from short-stay hospitals by color and age of patient, according to sex: United States, 1979 . . . . .   | 24 | 16. Number of patients discharged from short-stay hospitals and average length of stay, by category of first-listed diagnosis and bed size of hospital: United States, 1979 . . . . .   | 41 |
| 5. Number and percent distribution of days of care for patients discharged from short-stay hospitals by color and age of patient, according to sex: United States, 1979 . . . . .  | 25 | 17. Number of all-listed diagnoses for patients discharged from short-stay hospitals, by diagnostic category and age, sex, color, geographic region, and bed size of hospital: United States, 1979 . . . . .  | 43 |
| 6. Average length of stay for patients discharged from short-stay hospitals, by color, age, and sex: United States, 1979 . . . . .   | 26 | 18. Number of all-listed procedures for patients discharged from short-stay hospitals, by procedure category, age, sex, and color: United States, 1979 . . . . .  | 45 |
| 7. Number of patients discharged from short-stay hospitals and days of care, by sex, age, geographic region, and bed size of hospital: United States, 1979 . . . . .   | 27 | 19. Rate of all-listed procedures for patients discharged from short-stay hospitals, by procedure category, age, and sex: United States, 1979 . . . . .   | 46 |
| 8. Rates of patients discharged from short-stay hospitals and of days of care, by geographic region, age, and sex: United States, 1979 . . . . .   | 30 | 20. Number of all-listed procedures for patients discharged from short-stay hospitals, by procedure category and geographic region: United States, 1979 . . . . .   | 47 |
| 9. Average length of stay for patients discharged from short-stay hospitals, by geographic region, age, and sex: United States, 1979 . . . . .   | 31 | 21. Rate of all-listed procedures for patients discharged from short-stay hospitals, by procedure category and geographic region: United States, 1979 . . . . .   | 48 |
| 10. Average length of stay for patients discharged from short-stay hospitals, by sex, age, geographic region, and bed size of hospital: United States, 1979 . . . . .  | 32 | 22. Number of all-listed procedures for patients discharged from short-stay hospitals, by procedure category and bed size of hospital: United States, 1979 . . . . .  | 49 |
| 11. Number of patients discharged from short-stay hospitals and days of care, by type of ownership of hospital and age and sex of patient: United States, 1979 . . . . .   | 33 |   |    |
| 12. Average length of stay for patients discharged from short-stay hospitals, by type of ownership of hospital, age of patient, and sex: United States, 1979 . . . . .   | 34 |   |    |

TABLE 1. NUMBER, PERCENT DISTRIBUTION, AND RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX AND AGE            | DISCHARGED PATIENTS       |                         |                                 |
|------------------------|---------------------------|-------------------------|---------------------------------|
|                        | NUMBER<br>IN<br>THOUSANDS | PERCENT<br>DISTRIBUTION | RATE PER<br>1,000<br>POPULATION |
| BOTH SEXES             |                           |                         |                                 |
| ALL AGES.....          | 36,747                    | 100.0                   | 170.2                           |
| UNDER 15 YEARS.....    | 3,641                     | 9.9                     | 72.7                            |
| UNDER 1 YEAR.....      | 754                       | 2.1                     | 229.9                           |
| 1-4 YEARS.....         | 1,094                     | 3.0                     | 88.5                            |
| 5-14 YEARS.....        | 1,793                     | 4.9                     | 52.1                            |
| 15-44 YEARS.....       | 15,488                    | 42.1                    | 156.5                           |
| 15-24 YEARS.....       | 5,861                     | 15.9                    | 145.9                           |
| 25-34 YEARS.....       | 6,005                     | 16.3                    | 176.1                           |
| 35-44 YEARS.....       | 3,621                     | 9.9                     | 146.7                           |
| 45-64 YEARS.....       | 8,532                     | 23.2                    | 196.2                           |
| 45-54 YEARS.....       | 4,064                     | 11.1                    | 178.7                           |
| 55-64 YEARS.....       | 4,468                     | 12.2                    | 215.5                           |
| 65 YEARS AND OVER..... | 9,086                     | 24.7                    | 388.8                           |
| 65-74 YEARS.....       | 4,613                     | 12.6                    | 308.6                           |
| 75 YEARS AND OVER..... | 4,473                     | 12.2                    | 531.3                           |
| MALE                   |                           |                         |                                 |
| ALL AGES.....          | 14,705                    | 100.0                   | 141.1                           |
| UNDER 15 YEARS.....    | 2,053                     | 14.0                    | 80.3                            |
| UNDER 1 YEAR.....      | 427                       | 2.9                     | 254.2                           |
| 1-4 YEARS.....         | 640                       | 4.4                     | 101.2                           |
| 5-14 YEARS.....        | 987                       | 6.7                     | 56.2                            |
| 15-44 YEARS.....       | 4,680                     | 31.8                    | 97.1                            |
| 15-24 YEARS.....       | 1,622                     | 11.0                    | 82.1                            |
| 25-34 YEARS.....       | 1,629                     | 11.1                    | 98.3                            |
| 35-44 YEARS.....       | 1,429                     | 9.7                     | 120.5                           |
| 45-64 YEARS.....       | 4,017                     | 27.3                    | 193.2                           |
| 45-54 YEARS.....       | 1,799                     | 12.2                    | 163.6                           |
| 55-64 YEARS.....       | 2,218                     | 15.1                    | 226.5                           |
| 65 YEARS AND OVER..... | 3,955                     | 26.9                    | 410.5                           |
| 65-74 YEARS.....       | 2,200                     | 15.0                    | 338.2                           |
| 75 YEARS AND OVER..... | 1,755                     | 11.9                    | 560.8                           |
| FEMALE                 |                           |                         |                                 |
| ALL AGES.....          | 22,042                    | 100.0                   | 197.3                           |
| UNDER 15 YEARS.....    | 1,588                     | 7.2                     | 64.7                            |
| UNDER 1 YEAR.....      | 327                       | 1.5                     | 204.3                           |
| 1-4 YEARS.....         | 454                       | 2.1                     | 75.2                            |
| 5-14 YEARS.....        | 807                       | 3.7                     | 47.8                            |

TABLE 1. NUMBER, PERCENT DISTRIBUTION, AND RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX AND AGE            | DISCHARGED PATIENTS       |                         |                                 |
|------------------------|---------------------------|-------------------------|---------------------------------|
|                        | NUMBER<br>IN<br>THOUSANDS | PERCENT<br>DISTRIBUTION | RATE PER<br>1,000<br>POPULATION |
| FEMALE--CON.           |                           |                         |                                 |
| 15-44 YEARS.....       | 10,808                    | 49.0                    | 213.0                           |
| 15-24 YEARS.....       | 4,239                     | 19.2                    | 207.8                           |
| 25-34 YEARS.....       | 4,376                     | 19.9                    | 249.7                           |
| 35-44 YEARS.....       | 2,192                     | 9.9                     | 171.1                           |
| 45-64 YEARS.....       | 4,515                     | 20.5                    | 199.0                           |
| 45-54 YEARS.....       | 2,265                     | 10.3                    | 192.7                           |
| 55-64 YEARS.....       | 2,250                     | 10.2                    | 205.6                           |
| 65 YEARS AND OVER..... | 5,131                     | 23.3                    | 373.8                           |
| 65-74 YEARS.....       | 2,413                     | 10.9                    | 285.7                           |
| 75 YEARS AND OVER..... | 2,718                     | 12.3                    | 513.8                           |



TABLE 2. NUMBER, PERCENT DISTRIBUTION, AND RATE OF DAYS OF CARE, AVERAGE NUMBER OF HOSPITAL BEDS OCCUPIED DAILY, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX AND AGE            | DAYS OF CARE        |                      |                           | 1/ NUMBER OF HOSPITAL BEDS OCCUPIED DAILY | AVERAGE LENGTH OF STAY IN DAYS |
|------------------------|---------------------|----------------------|---------------------------|---|--------------------------------|
|                        | NUMBER IN THOUSANDS | PERCENT DISTRIBUTION | RATE PER 1,000 POPULATION |   |                                |
| BOTH SEXES             |                     |                      |                           |   |                                |
| ALL AGES.....          | 264,173             | 100.0                | 1,223.7                   | 335.3                                     | 7.2                            |
| UNDER 15 YEARS.....    | 15,765              | 6.0                  | 314.7                     | 86.2                                      | 4.3                            |
| UNDER 1 YEAR.....      | 4,307               | 1.6                  | 1,313.5                   | 359.9                                     | 5.7                            |
| 1-4 YEARS.....         | 4,202               | 1.6                  | 339.9                     | 93.1                                      | 3.8                            |
| 5-14 YEARS.....        | 7,256               | 2.7                  | 210.6                     | 57.7                                      | 4.0                            |
| 15-44 YEARS.....       | 80,913              | 30.6                 | 817.8                     | 224.1                                     | 5.2                            |
| 15-24 YEARS.....       | 26,328              | 10.0                 | 655.5                     | 179.6                                     | 4.5                            |
| 25-34 YEARS.....       | 30,963              | 11.7                 | 908.0                     | 248.8                                     | 5.2                            |
| 35-44 YEARS.....       | 23,623              | 8.9                  | 957.2                     | 262.2                                     | 6.5                            |
| 45-64 YEARS.....       | 69,755              | 26.4                 | 1,604.3                   | 439.5                                     | 8.2                            |
| 45-54 YEARS.....       | 30,515              | 11.6                 | 1,341.5                   | 367.5                                     | 7.5                            |
| 55-64 YEARS.....       | 39,240              | 14.9                 | 1,892.5                   | 518.5                                     | 8.8                            |
| 65 YEARS AND OVER...   | 97,740              | 37.0                 | 4,182.5                   | 1,145.9                                   | 10.8                           |
| 65-74 YEARS.....       | 46,707              | 17.7                 | 3,124.4                   | 856.0                                     | 10.1                           |
| 75 YEARS AND OVER..... | 51,033              | 19.3                 | 6,061.7                   | 1,660.7                                   | 11.4                           |
| MALE                   |                     |                      |                           |   |                                |
| ALL AGES.....          | 112,504             | 100.0                | 1,079.9                   | 295.9                                     | 7.7                            |
| UNDER 15 YEARS.....    | 9,008               | 8.0                  | 352.4                     | 96.5                                      | 4.4                            |
| UNDER 1 YEAR.....      | 2,479               | 2.2                  | 1,476.6                   | 404.5                                     | 5.8                            |
| 1-4 YEARS.....         | 2,468               | 2.2                  | 390.6                     | 107.0                                     | 3.9                            |
| 5-14 YEARS.....        | 4,061               | 3.6                  | 231.2                     | 63.3                                      | 4.1                            |
| 15-44 YEARS.....       | 29,713              | 26.4                 | 616.5                     | 168.9                                     | 6.3                            |
| 15-24 YEARS.....       | 9,265               | 8.2                  | 468.9                     | 128.5                                     | 5.7                            |
| 25-34 YEARS.....       | 10,384              | 9.2                  | 626.7                     | 171.7                                     | 6.4                            |
| 35-44 YEARS.....       | 10,064              | 8.9                  | 848.2                     | 232.4                                     | 7.0                            |
| 45-64 YEARS.....       | 32,482              | 28.9                 | 1,562.7                   | 428.1                                     | 8.1                            |
| 45-54 YEARS.....       | 13,573              | 12.1                 | 1,234.7                   | 338.3                                     | 7.5                            |
| 55-64 YEARS.....       | 18,909              | 16.8                 | 1,931.2                   | 529.1                                     | 8.5                            |
| 65 YEARS AND OVER...   | 41,302              | 36.7                 | 4,287.1                   | 1,174.5                                   | 10.4                           |
| 65-74 YEARS.....       | 21,807              | 19.4                 | 3,351.8                   | 918.3                                     | 9.9                            |
| 75 YEARS AND OVER..... | 19,495              | 17.3                 | 6,230.4                   | 1,706.9                                   | 11.1                           |

1/ EXPRESSED AS DAILY NUMBER OF BEDS OCCUPIED PER 100,000 CIVILIAN NONINSTITUTIONALIZED POPULATION.

TABLE 2. NUMBER, PERCENT DISTRIBUTION, AND RATE OF DAYS OF CARE, AVERAGE NUMBER OF HOSPITAL BEDS OCCUPIED DAILY, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX AND AGE            | DAYS OF CARE        |                      |                           | 1/ NUMBER OF HOSPITAL BEDS OCCUPIED DAILY | AVERAGE LENGTH OF STAY IN DAYS |
|------------------------|---------------------|----------------------|---------------------------|---|--------------------------------|
|                        | NUMBER IN THOUSANDS | PERCENT DISTRIBUTION | RATE PER 1,000 POPULATION |   |                                |
| FEMALE                 |                     |                      |                           |   |                                |
| ALL AGES.....          | 151,669             | 100.0                | 1,357.8                   | 372.0                                     | 6.9                            |
| UNDER 15 YEARS.....    | 6,757               | 4.5                  | 275.5                     | 75.5                                      | 4.3                            |
| UNDER 1 YEAR.....      | 1,828               | 1.2                  | 1,142.4                   | 313.0                                     | 5.6                            |
| 1-4 YEARS.....         | 1,734               | 1.1                  | 287.0                     | 78.6                                      | 3.8                            |
| 5-14 YEARS.....        | 3,195               | 2.1                  | 189.2                     | 51.8                                      | 4.0                            |
| 15-44 YEARS.....       | 51,200              | 33.8                 | 1,009.0                   | 276.4                                     | 4.7                            |
| 15-24 YEARS.....       | 17,063              | 11.2                 | 836.3                     | 229.1                                     | 4.0                            |
| 25-34 YEARS.....       | 20,579              | 13.6                 | 1,174.1                   | 321.7                                     | 4.7                            |
| 35-44 YEARS.....       | 13,558              | 8.9                  | 1,058.2                   | 289.9                                     | 6.2                            |
| 45-64 YEARS.....       | 37,273              | 24.6                 | 1,642.3                   | 450.0                                     | 8.3                            |
| 45-54 YEARS.....       | 16,942              | 11.2                 | 1,441.6                   | 395.0                                     | 7.5                            |
| 55-64 YEARS.....       | 20,331              | 13.4                 | 1,857.9                   | 509.0                                     | 9.0                            |
| 65 YEARS AND OVER...   | 56,438              | 37.2                 | 4,112.1                   | 1,126.6                                   | 11.0                           |
| 65-74 YEARS.....       | 24,900              | 16.4                 | 2,948.5                   | 807.8                                     | 10.3                           |
| 75 YEARS AND OVER..... | 31,539              | 20.8                 | 5,961.9                   | 1,633.4                                   | 11.6                           |

1/ EXPRESSED AS DAILY NUMBER OF BEDS OCCUPIED PER 100,000 CIVILIAN NONINSTITUTIONALIZED POPULATION.

TABLE 3. NUMBER AND PERCENT DISTRIBUTION OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY AGE AND LENGTH OF STAY, ACCORDING TO SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| AGE AND LENGTH OF STAY                     | BOTH SEXES | MALE   | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES | BOTH SEXES | MALE  | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES |
|--|------------|--------|-----------------------------|-----------------------------|------------|-------|-----------------------------|-----------------------------|
| NUMBER OF DISCHARGED PATIENTS IN THOUSANDS |            |        |                             |                             |            |       |                             |                             |
| PERCENT DISTRIBUTION                       |            |        |                             |                             |            |       |                             |                             |
| ALL AGES                                   |            |        |                             |                             |            |       |                             |                             |
| ALL STAYS.....                             | 36,747     | 14,705 | 22,042                      | 18,396                      | 100.0      | 100.0 | 100.0                       | 100.0                       |
| LESS THAN 1 DAY.....                       | 1,029      | 385    | 644                         | 620                         | 2.8        | 2.6   | 2.9                         | 3.4                         |
| 1 DAY.....                                 | 3,082      | 1,280  | 1,802                       | 1,612                       | 8.4        | 8.7   | 8.2                         | 8.8                         |
| 2 DAYS.....                                | 5,605      | 2,139  | 3,466                       | 2,740                       | 15.3       | 14.5  | 15.7                        | 14.9                        |
| 3 DAYS.....                                | 4,958      | 1,743  | 3,214                       | 2,035                       | 13.5       | 11.9  | 14.6                        | 11.1                        |
| 4 DAYS.....                                | 3,877      | 1,510  | 2,367                       | 1,680                       | 10.6       | 10.3  | 10.7                        | 9.1                         |
| 5-6 DAYS.....                              | 5,373      | 2,126  | 3,247                       | 2,696                       | 14.6       | 14.5  | 14.7                        | 14.7                        |
| 7-8 DAYS.....                              | 3,658      | 1,450  | 2,208                       | 2,009                       | 10.0       | 9.9   | 10.0                        | 10.9                        |
| 9-10 DAYS.....                             | 2,382      | 1,029  | 1,353                       | 1,310                       | 6.5        | 7.0   | 6.1                         | 7.1                         |
| 11-20 DAYS.....                            | 4,698      | 2,094  | 2,604                       | 2,571                       | 12.8       | 14.2  | 11.8                        | 14.0                        |
| 21-30 DAYS.....                            | 1,239      | 570    | 670                         | 665                         | 3.4        | 3.9   | 3.0                         | 3.6                         |
| 31 DAYS OR MORE.....                       | 845        | 379    | 466                         | 460                         | 2.3        | 2.6   | 2.1                         | 2.5                         |
| UNDER 15 YEARS                             |            |        |                             |                             |            |       |                             |                             |
| ALL STAYS.....                             | 3,641      | 2,053  | 1,588                       | 1,575                       | 100.0      | 100.0 | 100.0                       | 100.0                       |
| LESS THAN 1 DAY.....                       | 167        | 95     | 72                          | 72                          | 4.6        | 4.6   | 4.6                         | 4.6                         |
| 1 DAY.....                                 | 648        | 375    | 273                         | 272                         | 17.8       | 18.3  | 17.2                        | 17.3                        |
| 2 DAYS.....                                | 927        | 515    | 411                         | 410                         | 25.5       | 25.1  | 25.9                        | 26.0                        |
| 3 DAYS.....                                | 529        | 297    | 233                         | 227                         | 14.5       | 14.4  | 14.6                        | 14.4                        |
| 4 DAYS.....                                | 389        | 215    | 174                         | 171                         | 10.7       | 10.5  | 11.0                        | 10.9                        |
| 5-6 DAYS.....                              | 421        | 234    | 187                         | 186                         | 11.6       | 11.4  | 11.8                        | 11.8                        |
| 7-8 DAYS.....                              | 213        | 118    | 95                          | 95                          | 5.9        | 5.8   | 6.0                         | 6.0                         |
| 9-10 DAYS.....                             | 111        | 63     | 47                          | 47                          | 3.0        | 3.1   | 3.0                         | 3.0                         |
| 11-20 DAYS.....                            | 164        | 96     | 69                          | 68                          | 4.5        | 4.7   | 4.3                         | 4.3                         |
| 21-30 DAYS.....                            | 37         | 24     | 13                          | 13                          | 1.0        | 1.2   | 0.8                         | 0.8                         |
| 31 DAYS OR MORE.....                       | 34         | 21     | 13                          | 13                          | 0.9        | 1.0   | 0.8                         | 0.8                         |
| 15-44 YEARS                                |            |        |                             |                             |            |       |                             |                             |
| ALL STAYS.....                             | 15,488     | 4,680  | 10,808                      | 7,201                       | 100.0      | 100.0 | 100.0                       | 100.0                       |
| LESS THAN 1 DAY.....                       | 596        | 142    | 454                         | 431                         | 3.8        | 3.0   | 4.2                         | 6.0                         |
| 1 DAY.....                                 | 1,652      | 515    | 1,137                       | 948                         | 10.7       | 11.0  | 10.5                        | 13.2                        |
| 2 DAYS.....                                | 2,939      | 810    | 2,129                       | 1,411                       | 19.0       | 17.3  | 19.7                        | 19.6                        |
| 3 DAYS.....                                | 2,737      | 673    | 2,064                       | 899                         | 17.7       | 14.4  | 19.1                        | 12.5                        |
| 4 DAYS.....                                | 1,895      | 532    | 1,363                       | 684                         | 12.2       | 11.4  | 12.6                        | 9.5                         |
| 5-6 DAYS.....                              | 2,317      | 695    | 1,622                       | 1,075                       | 15.0       | 14.8  | 15.0                        | 14.9                        |
| 7-8 DAYS.....                              | 1,306      | 408    | 898                         | 700                         | 8.4        | 8.7   | 8.3                         | 9.7                         |
| 9-10 DAYS.....                             | 652        | 255    | 397                         | 354                         | 4.2        | 5.4   | 3.7                         | 4.9                         |
| 11-20 DAYS.....                            | 986        | 436    | 551                         | 518                         | 6.4        | 9.3   | 5.1                         | 7.2                         |
| 21-30 DAYS.....                            | 241        | 125    | 116                         | 111                         | 1.6        | 2.7   | 1.1                         | 1.5                         |
| 31 DAYS OR MORE.....                       | 167        | 90     | 77                          | 71                          | 1.1        | 1.9   | 0.7                         | 1.0                         |

TABLE 3. NUMBER AND PERCENT DISTRIBUTION OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY AGE AND LENGTH OF STAY, ACCORDING TO SEX: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| AGE AND LENGTH OF STAY | BOTH SEXES | MALE                                       | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES | BOTH SEXES | MALE                 | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES |  |
|------------------------|------------|--|-----------------------------|-----------------------------|------------|----------------------|-----------------------------|-----------------------------|--|
| 45-64 YEARS            |            | NUMBER OF DISCHARGED PATIENTS IN THOUSANDS |                             |                             |            | PERCENT DISTRIBUTION |                             |                             |  |
| ALL STAYS.....         | 8,532      | 4,017                                      | 4,515                       | 4,489                       | 100.0      | 100.0                | 100.0                       | 100.0                       |  |
| LESS THAN 1 DAY.....   | 156        | 86   | 70                          | 69                          | 1.8        | 2.1                  | 1.5                         | 1.5                         |  |
| 1 DAY.....             | 468        | 230  | 238                         | 237                         | 5.5        | 5.7                  | 5.3                         | 5.3                         |  |
| 2 DAYS.....            | 1,073      | 496  | 577                         | 572                         | 12.6       | 12.4                 | 12.8                        | 12.7                        |  |
| 3 DAYS.....            | 929        | 438  | 491                         | 482                         | 10.9       | 10.9                 | 10.9                        | 10.7                        |  |
| 4 DAYS.....            | 830        | 421  | 408                         | 404                         | 9.7        | 10.5                 | 9.0                         | 9.0                         |  |
| 5-6 DAYS.....          | 1,328      | 628  | 699                         | 696                         | 15.6       | 15.6                 | 15.5                        | 15.5                        |  |
| 7-8 DAYS.....          | 1,038      | 453  | 585                         | 584                         | 12.2       | 11.3                 | 13.0                        | 13.0                        |  |
| 9-10 DAYS.....         | 752        | 341  | 411                         | 410                         | 8.8        | 8.5                  | 9.1                         | 9.1                         |  |
| 11-20 DAYS.....        | 1,410      | 667  | 743                         | 743                         | 16.5       | 16.6                 | 16.5                        | 16.5                        |  |
| 21-30 DAYS.....        | 333        | 159  | 174                         | 174                         | 3.9        | 4.0                  | 3.9                         | 3.9                         |  |
| 31 DAYS OR MORE.....   | 216        | 97   | 119                         | 119                         | 2.5        | 2.4                  | 2.6                         | 2.7                         |  |
| 65 YEARS AND OVER      |            |  |                             |                             |            |                      |                             |                             |  |
| ALL STAYS.....         | 9,086      | 3,955                                      | 5,131                       | 5,131                       | 100.0      | 100.0                | 100.0                       | 100.0                       |  |
| LESS THAN 1 DAY.....   | 110        | 62   | 48                          | 48                          | 1.2        | 1.6                  | 0.9                         | 0.9                         |  |
| 1 DAY.....             | 314        | 159  | 155                         | 155                         | 3.5        | 4.0                  | 3.0                         | 3.0                         |  |
| 2 DAYS.....            | 666        | 317  | 348                         | 348                         | 7.3        | 8.0                  | 6.8                         | 6.8                         |  |
| 3 DAYS.....            | 762        | 335  | 427                         | 427                         | 8.4        | 8.5                  | 8.3                         | 8.3                         |  |
| 4 DAYS.....            | 763        | 342  | 421                         | 421                         | 8.4        | 8.6                  | 8.2                         | 8.2                         |  |
| 5-6 DAYS.....          | 1,308      | 569  | 739                         | 739                         | 14.4       | 14.4                 | 14.4                        | 14.4                        |  |
| 7-8 DAYS.....          | 1,101      | 471  | 630                         | 630                         | 12.1       | 11.9                 | 12.3                        | 12.3                        |  |
| 9-10 DAYS.....         | 868        | 370  | 498                         | 498                         | 9.6        | 9.4                  | 9.7                         | 9.7                         |  |
| 11-20 DAYS.....        | 2,138      | 896  | 1,242                       | 1,242                       | 23.5       | 22.7                 | 24.2                        | 24.2                        |  |
| 21-30 DAYS.....        | 628        | 262  | 366                         | 366                         | 6.9        | 6.6                  | 7.1                         | 7.1                         |  |
| 31 DAYS OR MORE.....   | 429        | 172  | 257                         | 257                         | 4.7        | 4.3                  | 5.0                         | 5.0                         |  |

TABLE 4. NUMBER AND PERCENT DISTRIBUTION OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY COLOR AND AGE OF PATIENT, ACCORDING TO SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| COLOR AND AGE       | BOTH SEXES                                    | MALE   | FEMALE                            | FEMALE                            | BOTH SEXES           | MALE  | FEMALE                            | FEMALE                            |
|---------------------|---|--------|-----------------------------------|-----------------------------------|----------------------|-------|-----------------------------------|-----------------------------------|
|                     |   |        | INCLUD-<br>ING<br>DELIV-<br>ERIES | EXCLUD-<br>ING<br>DELIV-<br>ERIES |                      |       | INCLUD-<br>ING<br>DELIV-<br>ERIES | EXCLUD-<br>ING<br>DELIV-<br>ERIES |
|                     | NUMBER OF PATIENTS DISCHARGED<br>IN THOUSANDS |        |                                   |                                   | PERCENT DISTRIBUTION |       |                                   |                                   |
| TOTAL               |   |        |                                   |                                   |                      |       |                                   |                                   |
| ALL AGES.....       | 36,747  | 14,705 | 22,042                            | 18,396                            | 100.0                | 100.0 | 100.0                             | 100.0                             |
| UNDER 15 YEARS..... | 3,641   | 2,053  | 1,588                             | 1,575                             | 9.9                  | 14.0  | 7.2                               | 8.6                               |
| 15-44 YEARS.....    | 15,488  | 4,680  | 10,808                            | 7,201                             | 42.1                 | 31.8  | 49.0                              | 39.1                              |
| 45-64 YEARS.....    | 8,532   | 4,017  | 4,515                             | 4,489                             | 23.2                 | 27.3  | 20.5                              | 24.4                              |
| 65 YEARS AND OVER.. | 9,086   | 3,955  | 5,131                             | 5,131                             | 24.7                 | 26.9  | 23.3                              | 27.9                              |
| WHITE               |   |        |                                   |                                   |                      |       |                                   |                                   |
| ALL AGES.....       | 27,451  | 11,103 | 16,348                            | 13,830                            | 100.0                | 100.0 | 100.0                             | 100.0                             |
| UNDER 15 YEARS..... | 2,614   | 1,472  | 1,142                             | 1,138                             | 9.5                  | 13.3  | 7.0                               | 8.2                               |
| 15-44 YEARS.....    | 11,008  | 3,389  | 7,620                             | 5,121                             | 40.1                 | 30.5  | 46.6                              | 37.0                              |
| 45-64 YEARS.....    | 6,594   | 3,112  | 3,483                             | 3,467                             | 24.0                 | 28.0  | 21.3                              | 25.1                              |
| 65 YEARS AND OVER.. | 7,234   | 3,131  | 4,103                             | 4,103                             | 26.4                 | 28.2  | 25.1                              | 29.7                              |
| ALL OTHER           |   |        |                                   |                                   |                      |       |                                   |                                   |
| ALL AGES.....       | 4,572   | 1,688  | 2,884                             | 2,234                             | 100.0                | 100.0 | 100.0                             | 100.0                             |
| UNDER 15 YEARS..... | 555   | 316    | 239                               | 232                               | 12.1                 | 18.7  | 8.3                               | 10.4                              |
| 15-44 YEARS.....    | 2,469   | 670    | 1,799                             | 1,163                             | 54.0                 | 39.7  | 62.4                              | 52.1                              |
| 45-64 YEARS.....    | 871   | 395    | 475                               | 468                               | 19.0                 | 23.4  | 16.5                              | 20.9                              |
| 65 YEARS AND OVER.. | 677   | 306    | 371                               | 371                               | 14.8                 | 18.1  | 12.9                              | 16.6                              |
| COLOR NOT STATED    |   |        |                                   |                                   |                      |       |                                   |                                   |
| ALL AGES.....       | 4,724   | 1,914  | 2,809                             | 2,332                             | 100.0                | 100.0 | 100.0                             | 100.0                             |
| UNDER 15 YEARS..... | *472  | *265   | *207                              | *206                              | *10.0                | *13.9 | *7.4                              | *8.8                              |
| 15-44 YEARS.....    | 2,010   | 621    | 1,389                             | 917                               | 42.6                 | 32.4  | 49.5                              | 39.3                              |
| 45-64 YEARS.....    | 1,067   | *510   | 557                               | 554                               | 22.6                 | *26.6 | 19.8                              | 23.7                              |
| 65 YEARS AND OVER.. | 1,175   | 519    | 656                               | 656                               | 24.9                 | 27.1  | 23.4                              | 28.1                              |

TABLE 5. NUMBER AND PERCENT DISTRIBUTION OF DAYS OF CARE FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY COLOR AND AGE OF PATIENT, ACCORDING TO SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| COLOR AND AGE          | BOTH SEXES                          | MALE    | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES | BOTH SEXES           | MALE  | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES |
|------------------------|-------------------------------------|---------|-----------------------------|-----------------------------|----------------------|-------|-----------------------------|-----------------------------|
|                        | NUMBER OF DAYS OF CARE IN THOUSANDS |         |                             |                             | PERCENT DISTRIBUTION |       |                             |                             |
| TOTAL                  |                                     |         |                             |                             |                      |       |                             |                             |
| ALL AGES.....          | 264,173                             | 112,504 | 151,669                     | 138,004                     | 100.0                | 100.0 | 100.0                       | 100.0                       |
| UNDER 15 YEARS.....    | 15,765                              | 9,008   | 6,757                       | 6,710                       | 6.0                  | 8.0   | 4.5                         | 4.9                         |
| 15-44 YEARS.....       | 80,913                              | 29,713  | 51,200                      | 37,687                      | 30.6                 | 26.4  | 33.8                        | 27.3                        |
| 45-64 YEARS.....       | 69,755                              | 32,482  | 37,273                      | 37,169                      | 26.4                 | 28.9  | 24.6                        | 26.9                        |
| 65 YEARS AND OVER..... | 97,740                              | 41,302  | 56,438                      | 56,438                      | 37.0                 | 36.7  | 37.2                        | 40.9                        |
| WHITE                  |                                     |         |                             |                             |                      |       |                             |                             |
| ALL AGES.....          | 198,012                             | 84,418  | 113,594                     | 104,331                     | 100.0                | 100.0 | 100.0                       | 100.0                       |
| UNDER 15 YEARS.....    | 11,029                              | 6,302   | 4,727                       | 4,709                       | 5.6                  | 7.5   | 4.2                         | 4.5                         |
| 15-44 YEARS.....       | 56,591                              | 20,786  | 35,805                      | 26,625                      | 28.6                 | 24.6  | 31.5                        | 25.5                        |
| 45-64 YEARS.....       | 53,086                              | 24,745  | 28,341                      | 28,276                      | 26.8                 | 29.3  | 24.9                        | 27.1                        |
| 65 YEARS AND OVER..... | 77,306                              | 32,585  | 44,720                      | 44,720                      | 39.0                 | 38.6  | 39.4                        | 42.9                        |
| ALL OTHER              |                                     |         |                             |                             |                      |       |                             |                             |
| ALL AGES.....          | 33,995                              | 14,429  | 19,567                      | 16,988                      | 100.0                | 100.0 | 100.0                       | 100.0                       |
| UNDER 15 YEARS.....    | 2,951                               | 1,697   | 1,255                       | 1,229                       | 8.7                  | 11.8  | 6.4                         | 7.2                         |
| 15-44 YEARS.....       | 14,129                              | 5,068   | 9,061                       | 6,534                       | 41.6                 | 35.1  | 46.3                        | 38.5                        |
| 45-64 YEARS.....       | 8,616                               | 3,921   | 4,696                       | 4,670                       | 25.3                 | 27.2  | 24.0                        | 27.5                        |
| 65 YEARS AND OVER..... | 8,298                               | 3,744   | 4,555                       | 4,555                       | 24.4                 | 25.9  | 23.3                        | 26.8                        |
| COLOR NOT STATED       |                                     |         |                             |                             |                      |       |                             |                             |
| ALL AGES.....          | 32,166                              | 13,658  | 18,508                      | 16,685                      | 100.0                | 100.0 | 100.0                       | 100.0                       |
| UNDER 15 YEARS.....    | 1,784                               | 1,009   | 776                         | 772                         | 5.5                  | 7.4   | 4.2                         | 4.6                         |
| 15-44 YEARS.....       | 10,193                              | 3,859   | 6,333                       | 4,527                       | 31.7                 | 28.3  | 34.2                        | 27.1                        |
| 45-64 YEARS.....       | 8,052                               | 3,816   | 4,236                       | 4,223                       | 25.0                 | 27.9  | 22.9                        | 25.3                        |
| 65 YEARS AND OVER..... | 12,136                              | 4,973   | 7,163                       | 7,163                       | 37.7                 | 36.4  | 38.7                        | 42.9                        |

TABLE 6. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY COLOR, AGE, AND SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| COLOR AND AGE                  | BOTH SEXES | MALE | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES |
|--------------------------------|------------|------|-----------------------------|-----------------------------|
| TOTAL                          |            |      |                             |                             |
| 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                        |
| WHITE                          |            |      |                             |                             |
| ALL AGES.....                  | 7.2        | 7.6  | 6.9                         | 7.5                         |
| UNDER 15 YEARS.....            | 4.2        | 4.3  | 4.1                         | 4.1                         |
| 15-44 YEARS.....               | 5.1        | 6.1  | 4.7                         | 5.2                         |
| 45-64 YEARS.....               | 8.1        | 8.0  | 8.1                         | 8.2                         |
| 65 YEARS AND OVER.....         | 10.7       | 10.4 | 10.9                        | 10.9                        |
| ALL OTHER                      |            |      |                             |                             |
| ALL AGES.....                  | 7.4        | 8.5  | 6.8                         | 7.6                         |
| UNDER 15 YEARS.....            | 5.3        | 5.4  | 5.3                         | 5.3                         |
| 15-44 YEARS.....               | 5.7        | 7.6  | 5.0                         | 5.6                         |
| 45-64 YEARS.....               | 9.9        | 9.9  | 9.9                         | 10.0                        |
| 65 YEARS AND OVER.....         | 12.3       | 12.2 | 12.3                        | 12.3                        |
| COLOR NOT STATED               |            |      |                             |                             |
| ALL AGES.....                  | 6.8        | 7.1  | 6.6                         | 7.2                         |
| UNDER 15 YEARS.....            | *3.8       | *3.8 | *3.8                        | *3.8                        |
| 15-44 YEARS.....               | 5.1        | 6.2  | 4.6                         | 4.9                         |
| 45-64 YEARS.....               | 7.5        | *7.5 | 7.6                         | 7.6                         |
| 65 YEARS AND OVER.....         | 10.3       | 9.6  | 10.9                        | 10.9                        |

TABLE 7. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND DAYS OF CARE, BY SEX, AGE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX, AGE, AND REGION   | ALL SIZES | 6-99 BEDS                                  | 100-499 BEDS | 500 BEDS OR MORE | ALL SIZES | 6-99 BEDS                           | 100-499 BEDS | 500 BEDS OR MORE |  |
|------------------------|-----------|--|--------------|------------------|-----------|-------------------------------------|--------------|------------------|--|
| BOTH SEXES             |           | NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |              |                  |           | NUMBER OF DAYS OF CARE IN THOUSANDS |              |                  |  |
| UNITED STATES.....     | 36,747    | 7,020                                      | 21,456       | 8,270            | 264,173   | 41,763                              | 155,139      | 67,271           |  |
| UNDER 15 YEARS.....    | 3,641     | 677  | 2,157        | 807              | 15,765    | 2,179                               | 8,962        | 4,624            |  |
| 15-44 YEARS.....       | 15,488    | 2,743                                      | 9,064        | 3,680            | 80,913    | 12,217                              | 46,255       | 22,442           |  |
| 45-64 YEARS.....       | 8,532     | 1,594                                      | 4,890        | 2,048            | 69,755    | 10,086                              | 40,375       | 19,293           |  |
| 65 YEARS AND OVER..... | 9,086     | 2,007                                      | 5,344        | 1,735            | 97,740    | 17,281                              | 59,548       | 20,911           |  |
| NORTHEAST.....         | 7,786     | 792  | 5,085        | 1,908            | 65,718    | 6,258                               | 42,700       | 16,761           |  |
| UNDER 15 YEARS.....    | 725       | 48   | 495          | 182              | 3,432     | 144                                 | 2,254        | 1,034            |  |
| 15-44 YEARS.....       | 3,122     | 312  | 1,977        | 834              | 17,544    | 1,800                               | 10,729       | 5,015            |  |
| 45-64 YEARS.....       | 1,920     | 224  | 1,211        | 485              | 18,002    | 1,831                               | 11,204       | 4,967            |  |
| 65 YEARS AND OVER..... | 2,018     | 208  | 1,402        | 407              | 26,740    | 2,483                               | 18,513       | 5,744            |  |
| NORTH CENTRAL.....     | 10,647    | 1,436                                      | 6,134        | 3,077            | 78,280    | 9,148                               | 43,951       | 25,181           |  |
| UNDER 15 YEARS.....    | 1,148     | 139  | 709          | 299              | 5,064     | 452                                 | 2,812        | 1,799            |  |
| 15-44 YEARS.....       | 4,506     | 522  | 2,605        | 1,378            | 25,335    | 2,747                               | 13,960       | 8,628            |  |
| 45-64 YEARS.....       | 2,400     | 316  | 1,334        | 749              | 20,182    | 2,056                               | 11,070       | 7,056            |  |
| 65 YEARS AND OVER..... | 2,594     | 458  | 1,485        | 651              | 27,698    | 3,892                               | 16,108       | 7,698            |  |
| SOUTH.....             | 12,425    | 3,474                                      | 6,228        | 2,723            | 84,686    | 20,634                              | 42,692       | 21,359           |  |
| UNDER 15 YEARS.....    | 1,252     | 363  | 628          | 261              | 5,275     | 1,248                               | 2,676        | 1,351            |  |
| 15-44 YEARS.....       | 5,267     | 1,320                                      | 2,741        | 1,206            | 26,404    | 5,692                               | 13,332       | 7,379            |  |
| 45-64 YEARS.....       | 2,836     | 764  | 1,381        | 691              | 22,291    | 4,837                               | 11,153       | 6,302            |  |
| 65 YEARS AND OVER..... | 3,070     | 1,027                                      | 1,478        | 565              | 30,716    | 8,857                               | 15,531       | 6,327            |  |
| WEST.....              | 5,889     | 1,319                                      | 4,008        | 562              | 35,490    | 5,723                               | 25,796       | 3,971            |  |
| UNDER 15 YEARS.....    | 516       | 126  | 325          | 65               | 1,995     | 335                                 | 1,220        | 440              |  |
| 15-44 YEARS.....       | 2,593     | 589  | 1,742        | 262              | 11,630    | 1,978                               | 8,233        | 1,419            |  |
| 45-64 YEARS.....       | 1,376     | 290  | 963          | 123              | 9,279     | 1,362                               | 6,947        | 969              |  |
| 65 YEARS AND OVER..... | 1,404     | 313  | 979          | 112              | 12,586    | 2,049                               | 9,396        | 1,142            |  |
| MALE                   |           |  |              |                  |           |                                     |              |                  |  |
| UNITED STATES.....     | 14,705    | 2,871                                      | 8,548        | 3,285            | 112,504   | 17,298                              | 65,636       | 29,571           |  |
| UNDER 15 YEARS.....    | 2,053     | 384  | 1,211        | 458              | 9,008     | 1,245                               | 5,033        | 2,729            |  |
| 15-44 YEARS.....       | 4,680     | 908  | 2,698        | 1,073            | 29,713    | 4,669                               | 16,608       | 8,436            |  |
| 45-64 YEARS.....       | 4,017     | 740  | 2,301        | 976              | 32,482    | 4,648                               | 18,629       | 9,204            |  |
| 65 YEARS AND OVER..... | 3,955     | 838  | 2,339        | 778              | 41,302    | 6,736                               | 25,364       | 9,202            |  |
| NORTHEAST.....         | 3,176     | 378  | 2,034        | 764              | 28,179    | 2,889                               | 17,703       | 7,587            |  |
| UNDER 15 YEARS.....    | 415       | 27   | 283          | 104              | 1,930     | 76                                  | 1,269        | 585              |  |
| 15-44 YEARS.....       | 941       | 138  | 570          | 232              | 6,561     | 928                                 | 3,756        | 1,877            |  |
| 45-64 YEARS.....       | 938       | 130  | 580          | 229              | 8,642     | 1,047                               | 5,199        | 2,396            |  |
| 65 YEARS AND OVER..... | 882       | 82   | 600          | 199              | 11,045    | 837                                 | 7,479        | 2,729            |  |



TABLE 7. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND DAYS OF CARE, BY SEX, AGE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX, AGE, AND REGION               | ALL SIZES                                  | 6-99 BEDS | 100-499 BEDS | 500 BEDS OR MORE | ALL SIZES                           | 6-99 BEDS | 100-499 BEDS | 500 BEDS OR MORE |
|------------------------------------|--|-----------|--------------|------------------|-------------------------------------|-----------|--------------|------------------|
| <b>MALE--CON.</b>                  |  |           |              |                  |                                     |           |              |                  |
|                                    | NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |           |              |                  | NUMBER OF DAYS OF CARE IN THOUSANDS |           |              |                  |
| NORTH CENTRAL.....                 | 4,254                                      | 554       | 2,499        | 1,201            | 33,412                              | 3,719     | 18,870       | 10,823           |
| UNDER 15 YEARS.....                | 650  | 78        | 400          | 171              | 2,977                               | 258       | 1,622        | 1,096            |
| 15-44 YEARS.....                   | 1,376                                      | 162       | 823          | 391              | 9,533                               | 1,123     | 5,277        | 3,134            |
| 45-64 YEARS.....                   | 1,109                                      | 127       | 625          | 358              | 9,200                               | 824       | 5,074        | 3,301            |
| 65 YEARS AND OVER.....             | 1,119                                      | 187       | 650          | 282              | 11,702                              | 1,514     | 6,897        | 3,291            |
| SOUTH.....                         | 4,852                                      | 1,418     | 2,345        | 1,089            | 35,168                              | 8,329     | 17,508       | 9,332            |
| UNDER 15 YEARS.....                | 700  | 207       | 344          | 149              | 2,979                               | 711       | 1,465        | 803              |
| 15-44 YEARS.....                   | 1,529                                      | 435       | 730          | 364              | 9,010                               | 1,951     | 4,250        | 2,809            |
| 45-64 YEARS.....                   | 1,313                                      | 349       | 633          | 331              | 10,279                              | 2,166     | 5,074        | 3,038            |
| 65 YEARS AND OVER.....             | 1,310                                      | 428       | 638          | 244              | 12,900                              | 3,501     | 6,718        | 2,681            |
| WEST.....                          | 2,423                                      | 522       | 1,671        | 231              | 15,745                              | 2,361     | 11,555       | 1,828            |
| UNDER 15 YEARS.....                | 289  | 72        | 183          | 34               | 1,121                               | 200       | 677          | 245              |
| 15-44 YEARS.....                   | 834  | 173       | 574          | 86               | 4,608                               | 667       | 3,327        | 615              |
| 45-64 YEARS.....                   | 656  | 135       | 463          | 58               | 4,360                               | 611       | 3,282        | 468              |
| 65 YEARS AND OVER.....             | 644  | 142       | 450          | 52               | 5,655                               | 884       | 4,270        | 501              |
| <b>FEMALE INCLUDING DELIVERIES</b> |  |           |              |                  |                                     |           |              |                  |
| UNITED STATES.....                 | 22,042                                     | 4,149     | 12,908       | 4,985            | 151,669                             | 24,465    | 89,503       | 37,700           |
| UNDER 15 YEARS.....                | 1,588                                      | 293       | 946          | 349              | 6,757                               | 934       | 3,928        | 1,895            |
| 15-44 YEARS.....                   | 10,808                                     | 1,835     | 6,366        | 2,606            | 51,200                              | 7,548     | 29,646       | 14,006           |
| 45-64 YEARS.....                   | 4,515                                      | 854       | 2,589        | 1,072            | 37,273                              | 5,438     | 21,746       | 10,089           |
| 65 YEARS AND OVER.....             | 5,131                                      | 1,168     | 3,006        | 957              | 56,438                              | 10,545    | 34,183       | 11,710           |
| NORTHEAST.....                     | 4,610                                      | 415       | 3,052        | 1,143            | 37,539                              | 3,369     | 24,997       | 9,173            |
| UNDER 15 YEARS.....                | 311  | 21        | 212          | 78               | 1,502                               | 68        | 985          | 449              |
| 15-44 YEARS.....                   | 2,181                                      | 174       | 1,406        | 602              | 10,983                              | 872       | 6,973        | 3,138            |
| 45-64 YEARS.....                   | 982  | 94        | 631          | 256              | 9,359                               | 784       | 6,005        | 2,571            |
| 65 YEARS AND OVER.....             | 1,136                                      | 126       | 802          | 208              | 15,695                              | 1,645     | 11,034       | 3,015            |
| NORTH CENTRAL.....                 | 6,393                                      | 882       | 3,635        | 1,876            | 44,868                              | 5,429     | 25,081       | 14,358           |
| UNDER 15 YEARS.....                | 498  | 61        | 309          | 129              | 2,087                               | 194       | 1,190        | 703              |
| 15-44 YEARS.....                   | 3,129                                      | 360       | 1,782        | 987              | 15,802                              | 1,624     | 8,684        | 5,494            |
| 45-64 YEARS.....                   | 1,291                                      | 189       | 710          | 392              | 10,983                              | 1,232     | 5,996        | 3,754            |
| 65 YEARS AND OVER.....             | 1,475                                      | 271       | 835          | 369              | 15,996                              | 2,378     | 9,211        | 4,407            |
| SOUTH.....                         | 7,573                                      | 2,056     | 3,883        | 1,634            | 49,517                              | 12,306    | 25,185       | 12,027           |
| UNDER 15 YEARS.....                | 552  | 157       | 284          | 112              | 2,295                               | 537       | 1,211        | 548              |
| 15-44 YEARS.....                   | 3,738                                      | 885       | 2,011        | 842              | 17,393                              | 3,741     | 9,083        | 4,570            |
| 45-64 YEARS.....                   | 1,523                                      | 415       | 749          | 360              | 12,013                              | 2,671     | 6,079        | 3,263            |
| 65 YEARS AND OVER.....             | 1,759                                      | 599       | 840          | 321              | 17,816                              | 5,357     | 8,813        | 3,646            |

TABLE 7. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND DAYS OF CARE, BY SEX, AGE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX, AGE, AND REGION                     | PATIENTS DISCHARGED |           |              |                  | DAYS OF CARE |           |              |                  |
|--|---------------------|-----------|--------------|------------------|--------------|-----------|--------------|------------------|
|  | ALL SIZES           | 6-99 BEDS | 100-499 BEDS | 500 BEDS OR MORE | ALL SIZES    | 6-99 BEDS | 100-499 BEDS | 500 BEDS OR MORE |
| <b>FEMALE INCLUDING DELIVERIES--CON.</b> |                     |           |              |                  |              |           |              |                  |
| WEST.....                                | 3,466               | 797       | 2,338        | 331              | 19,745       | 3,362     | 14,240       | 2,143            |
| UNDER 15 YEARS.....                      | 227                 | 54        | 142          | 31               | 873          | 135       | 543          | 195              |
| 15-44 YEARS.....                         | 1,759               | 416       | 1,168        | 175              | 7,022        | 1,310     | 4,907        | 805              |
| 45-64 YEARS.....                         | 720                 | 155       | 500          | 65               | 4,918        | 752       | 3,665        | 501              |
| 65 YEARS AND OVER.....                   | 760                 | 172       | 529          | 60               | 6,931        | 1,165     | 5,125        | 641              |
| <b>FEMALE EXCLUDING DELIVERIES</b>       |                     |           |              |                  |              |           |              |                  |
| UNITED STATES.....                       | 18,396              | 3,610     | 10,745       | 4,041            | 138,004      | 22,865    | 81,393       | 33,746           |
| UNDER 15 YEARS.....                      | 1,575               | 290       | 941          | 344              | 6,710        | 926       | 3,908        | 1,876            |
| 15-44 YEARS.....                         | 7,201               | 1,303     | 4,226        | 1,672            | 37,687       | 5,967     | 21,628       | 10,091           |
| 45-64 YEARS.....                         | 4,489               | 849       | 2,573        | 1,067            | 37,169       | 5,426     | 21,673       | 10,070           |
| 65 YEARS AND OVER.....                   | 5,131               | 1,168     | 3,006        | 957              | 56,438       | 10,545    | 34,183       | 11,710           |
| NORTHEAST.....                           | 3,883               | 363       | 2,564        | 956              | 34,340       | 3,180     | 22,889       | 8,271            |
| UNDER 15 YEARS.....                      | 310                 | 21        | 211          | 77               | 1,497        | 68        | 982          | 448              |
| 15-44 YEARS.....                         | 1,460               | 123       | 922          | 416              | 7,806        | 685       | 4,880        | 2,241            |
| 45-64 YEARS.....                         | 978                 | 93        | 629          | 255              | 9,342        | 782       | 5,994        | 2,567            |
| 65 YEARS AND OVER.....                   | 1,136               | 126       | 802          | 208              | 15,695       | 1,645     | 11,034       | 3,015            |
| NORTH CENTRAL.....                       | 5,381               | 787       | 3,080        | 1,515            | 40,698       | 5,068     | 22,849       | 12,781           |
| UNDER 15 YEARS.....                      | 496                 | 61        | 308          | 128              | 2,080        | 193       | 1,188        | 699              |
| 15-44 YEARS.....                         | 2,125               | 266       | 1,231        | 628              | 11,662       | 1,266     | 6,471        | 3,925            |
| 45-64 YEARS.....                         | 1,284               | 189       | 705          | 391              | 10,959       | 1,231     | 5,978        | 3,750            |
| 65 YEARS AND OVER.....                   | 1,475               | 271       | 835          | 369              | 15,996       | 2,378     | 9,211        | 4,407            |
| SOUTH.....                               | 6,338               | 1,829     | 3,191        | 1,318            | 45,150       | 11,629    | 22,723       | 10,798           |
| UNDER 15 YEARS.....                      | 544                 | 155       | 281          | 109              | 2,267        | 531       | 1,200        | 535              |
| 15-44 YEARS.....                         | 2,525               | 663       | 1,330        | 532              | 13,108       | 3,076     | 6,669        | 3,363            |
| 45-64 YEARS.....                         | 1,510               | 413       | 740          | 357              | 11,959       | 2,665     | 6,041        | 3,253            |
| 65 YEARS AND OVER.....                   | 1,759               | 599       | 840          | 321              | 17,816       | 5,357     | 8,813        | 3,646            |
| WEST.....                                | 2,793               | 631       | 1,911        | 252              | 17,816       | 2,988     | 12,932       | 1,896            |
| UNDER 15 YEARS.....                      | 225                 | 54        | 141          | 31               | 865          | 134       | 538          | 193              |
| 15-44 YEARS.....                         | 1,091               | 251       | 743          | 97               | 5,110        | 940       | 3,609        | 561              |
| 45-64 YEARS.....                         | 717                 | 154       | 498          | 65               | 4,909        | 749       | 3,660        | 501              |
| 65 YEARS AND OVER.....                   | 760                 | 172       | 529          | 60               | 6,931        | 1,165     | 5,125        | 641              |

TABLE 8. RATES OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, BY GEOGRAPHIC REGION, AGE, AND SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| REGION AND AGE         | BOTH SEXES                              |       | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES | BOTH SEXES                                |         | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES |
|------------------------|---|-------|-----------------------------|-----------------------------|---|---------|-----------------------------|-----------------------------|
|                        | BOTH SEXES                              | MALE  |                             |                             | BOTH SEXES                                | MALE    |                             |                             |
| UNITED STATES          | RATE OF DISCHARGES PER 1,000 POPULATION |       |                             |                             | RATE OF DAYS OF CARE PER 1,000 POPULATION |         |                             |                             |
| ALL AGES.....          | 170.2                                   | 141.1 | 197.3                       | 164.7                       | 1,223.7                                   | 1,079.9 | 1,357.8                     | 1,235.4                     |
| UNDER 15 YEARS.....    | 72.7                                    | 80.3  | 64.7                        | 64.2                        | 314.7                                     | 352.4   | 275.5                       | 273.5                       |
| 15-44 YEARS.....       | 156.5                                   | 97.1  | 213.0                       | 141.9                       | 817.8                                     | 616.5   | 1,009.0                     | 742.7                       |
| 45-64 YEARS.....       | 196.2                                   | 193.2 | 199.0                       | 197.8                       | 1,604.3                                   | 1,562.7 | 1,642.3                     | 1,637.8                     |
| 65 YEARS AND OVER..... | 388.8                                   | 410.5 | 373.6                       | 373.6                       | 4,182.5                                   | 4,287.1 | 4,109.1                     | 4,109.1                     |
| NORTHEAST              |   |       |                             |                             |   |         |                             |                             |
| ALL AGES.....          | 161.4                                   | 137.3 | 183.7                       | 154.8                       | 1,362.5                                   | 1,217.9 | 1,495.9                     | 1,368.5                     |
| UNDER 15 YEARS.....    | 69.6                                    | 77.9  | 61.0                        | 60.8                        | 329.5                                     | 362.6   | 294.9                       | 294.1                       |
| 15-44 YEARS.....       | 144.0                                   | 88.9  | 196.5                       | 131.5                       | 809.3                                     | 620.3   | 989.3                       | 703.1                       |
| 45-64 YEARS.....       | 182.2                                   | 188.2 | 176.7                       | 176.0                       | 1,707.5                                   | 1,733.3 | 1,684.3                     | 1,681.1                     |
| 65 YEARS AND OVER..... | 360.7                                   | 391.6 | 339.8                       | 339.8                       | 4,780.1                                   | 4,906.7 | 4,694.8                     | 4,694.8                     |
| NORTH CENTRAL          |   |       |                             |                             |   |         |                             |                             |
| ALL AGES.....          | 185.1                                   | 151.8 | 216.8                       | 182.5                       | 1,361.0                                   | 1,192.4 | 1,521.3                     | 1,379.9                     |
| UNDER 15 YEARS.....    | 85.5                                    | 94.7  | 75.8                        | 75.6                        | 377.0                                     | 433.8   | 317.6                       | 316.7                       |
| 15-44 YEARS.....       | 169.5                                   | 104.8 | 232.5                       | 157.9                       | 952.9                                     | 726.2   | 1,174.0                     | 866.5                       |
| 45-64 YEARS.....       | 211.8                                   | 202.8 | 220.1                       | 219.1                       | 1,781.2                                   | 1,682.5 | 1,873.2                     | 1,869.2                     |
| 65 YEARS AND OVER..... | 420.9                                   | 436.6 | 409.8                       | 409.8                       | 4,494.3                                   | 4,565.8 | 4,443.4                     | 4,443.4                     |
| SOUTH                  |   |       |                             |                             |   |         |                             |                             |
| ALL AGES.....          | 177.6                                   | 144.9 | 207.7                       | 173.9                       | 1,210.8                                   | 1,050.2 | 1,358.3                     | 1,238.5                     |
| UNDER 15 YEARS.....    | 74.7                                    | 81.9  | 67.2                        | 66.2                        | 314.6                                     | 348.9   | 279.0                       | 275.6                       |
| 15-44 YEARS.....       | 165.6                                   | 99.9  | 226.5                       | 152.9                       | 830.1                                     | 588.8   | 1,053.8                     | 794.1                       |
| 45-64 YEARS.....       | 207.6                                   | 203.2 | 211.5                       | 209.6                       | 1,631.3                                   | 1,590.7 | 1,667.7                     | 1,660.3                     |
| 65 YEARS AND OVER..... | 398.5                                   | 411.9 | 389.1                       | 389.1                       | 3,988.0                                   | 4,055.2 | 3,940.8                     | 3,940.8                     |
| WEST                   |   |       |                             |                             |   |         |                             |                             |
| ALL AGES.....          | 146.5                                   | 124.1 | 167.7                       | 135.2                       | 883.0                                     | 806.1   | 955.7                       | 862.3                       |
| UNDER 15 YEARS.....    | 54.4                                    | 59.8  | 48.8                        | 48.4                        | 210.5                                     | 231.9   | 188.2                       | 166.4                       |
| 15-44 YEARS.....       | 137.4                                   | 90.7  | 181.8                       | 112.8                       | 616.5                                     | 501.5   | 725.7                       | 528.1                       |
| 45-64 YEARS.....       | 173.2                                   | 169.5 | 176.7                       | 176.0                       | 1,168.3                                   | 1,126.7 | 1,207.8                     | 1,205.6                     |
| 65 YEARS AND OVER..... | 359.3                                   | 393.4 | 334.7                       | 334.7                       | 3,219.8                                   | 3,452.3 | 3,052.1                     | 3,052.1                     |

TABLE 9. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY GEOGRAPHIC REGION, AGE, AND SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| REGION AND AGE         | BOTH SEXES                     | MALE | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES |
|------------------------|--------------------------------|------|-----------------------------|-----------------------------|
| UNITED STATES          |                                |      |                             |                             |
|                        | 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                        |
| NORTHEAST              |                                |      |                             |                             |
| ALL AGES.....          | 8.4                            | 8.9  | 8.1                         | 8.8                         |
| UNDER 15 YEARS.....    | 4.7                            | 4.7  | 4.8                         | 4.8                         |
| 15-44 YEARS.....       | 5.6                            | 7.0  | 5.0                         | 5.3                         |
| 45-64 YEARS.....       | 9.4                            | 9.2  | 9.5                         | 9.6                         |
| 65 YEARS AND OVER..... | 13.3                           | 12.5 | 13.8                        | 13.8                        |
| NORTH CENTRAL          |                                |      |                             |                             |
| ALL AGES.....          | 7.4                            | 7.9  | 7.0                         | 7.6                         |
| UNDER 15 YEARS.....    | 4.4                            | 4.6  | 4.2                         | 4.2                         |
| 15-44 YEARS.....       | 5.6                            | 6.9  | 5.0                         | 5.5                         |
| 45-64 YEARS.....       | 8.4                            | 8.3  | 8.5                         | 8.5                         |
| 65 YEARS AND OVER..... | 10.7                           | 10.5 | 10.8                        | 10.8                        |
| SOUTH                  |                                |      |                             |                             |
| ALL AGES.....          | 6.8                            | 7.2  | 6.5                         | 7.1                         |
| UNDER 15 YEARS.....    | 4.2                            | 4.3  | 4.2                         | 4.2                         |
| 15-44 YEARS.....       | 5.0                            | 5.9  | 4.7                         | 5.2                         |
| 45-64 YEARS.....       | 7.9                            | 7.8  | 7.9                         | 7.9                         |
| 65 YEARS AND OVER..... | 10.0                           | 9.8  | 10.1                        | 10.1                        |
| WEST                   |                                |      |                             |                             |
| ALL AGES.....          | 6.0                            | 6.5  | 5.7                         | 6.4                         |
| UNDER 15 YEARS.....    | 3.9                            | 3.9  | 3.9                         | 3.8                         |
| 15-44 YEARS.....       | 4.5                            | 5.5  | 4.0                         | 4.7                         |
| 45-64 YEARS.....       | 6.7                            | 6.6  | 6.8                         | 6.8                         |
| 65 YEARS AND OVER..... | 9.0                            | 8.8  | 9.1                         | 9.1                         |

TABLE 10. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX, AGE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX AND AGE                      | TOTAL | NORTHEAST    |                     |                           | NORTH CENTRAL |                     |                           | SOUTH        |                     |                           | WEST         |                     |                           |
|----------------------------------|-------|--------------|---------------------|---------------------------|---------------|---------------------|---------------------------|--------------|---------------------|---------------------------|--------------|---------------------|---------------------------|
|                                  |       | 6-99<br>BEDS | 100-<br>499<br>BEDS | 500<br>BEDS<br>OR<br>MORE | 6-99<br>BEDS  | 100-<br>499<br>BEDS | 500<br>BEDS<br>OR<br>MORE | 6-99<br>BEDS | 100-<br>499<br>BEDS | 500<br>BEDS<br>OR<br>MORE | 6-99<br>BEDS | 100-<br>499<br>BEDS | 500<br>BEDS<br>OR<br>MORE |
| BOTH SEXES                       |       |              |                     |                           |               |                     |                           |              |                     |                           |              |                     |                           |
| AVERAGE LENGTH OF STAY IN DAYS   |       |              |                     |                           |               |                     |                           |              |                     |                           |              |                     |                           |
| ALL AGES.....                    | 7.2   | 7.9          | 8.4                 | 8.8                       | 6.4           | 7.2                 | 8.2                       | 5.9          | 6.9                 | 7.8                       | 4.3          | 6.4                 | 7.1                       |
| UNDER 15 YEARS...                | 4.3   | 3.0          | 4.6                 | 5.7                       | 3.2           | 4.0                 | 6.0                       | 3.4          | 4.3                 | 5.2                       | 2.7          | 3.8                 | 6.8                       |
| 15-44 YEARS.....                 | 5.2   | 5.8          | 5.4                 | 6.0                       | 5.3           | 5.4                 | 6.3                       | 4.3          | 4.9                 | 6.1                       | 3.4          | 4.7                 | 5.4                       |
| 45-64 YEARS.....                 | 8.2   | 8.2          | 9.3                 | 10.2                      | 6.5           | 8.3                 | 9.4                       | 6.3          | 8.1                 | 9.1                       | 4.7          | 7.2                 | 7.9                       |
| 65+ YEARS.....                   | 10.8  | 11.9         | 13.2                | 14.1                      | 8.5           | 10.8                | 11.8                      | 8.6          | 10.5                | 11.2                      | 6.5          | 9.6                 | 10.2                      |
| MALE                             |       |              |                     |                           |               |                     |                           |              |                     |                           |              |                     |                           |
| ALL AGES.....                    | 7.7   | 7.7          | 8.7                 | 9.9                       | 6.7           | 7.6                 | 9.0                       | 5.9          | 7.5                 | 8.6                       | 4.5          | 6.9                 | 7.9                       |
| UNDER 15 YEARS...                | 4.4   | 2.8          | 4.5                 | 5.6                       | 3.3           | 4.1                 | 6.4                       | 3.4          | 4.3                 | 5.4                       | 2.8          | 3.7                 | 7.2                       |
| 15-44 YEARS.....                 | 6.3   | 6.7          | 6.6                 | 8.1                       | 6.9           | 6.4                 | 8.0                       | 4.5          | 5.8                 | 7.7                       | 3.8          | 5.8                 | 7.1                       |
| 45-64 YEARS.....                 | 8.1   | 8.1          | 9.0                 | 10.5                      | 6.5           | 8.1                 | 9.2                       | 6.2          | 8.0                 | 9.2                       | 4.5          | 7.1                 | 8.1                       |
| 65+ YEARS.....                   | 10.4  | 10.2         | 12.5                | 13.7                      | 8.1           | 10.6                | 11.7                      | 8.2          | 10.5                | 11.0                      | 6.2          | 9.5                 | 9.6                       |
| FEMALE INCLUD-<br>ING DELIVERIES |       |              |                     |                           |               |                     |                           |              |                     |                           |              |                     |                           |
| ALL AGES.....                    | 6.9   | 8.1          | 8.2                 | 8.0                       | 6.2           | 6.9                 | 7.7                       | 6.0          | 6.5                 | 7.4                       | 4.2          | 6.1                 | 6.5                       |
| UNDER 15 YEARS...                | 4.3   | 3.2          | 4.7                 | 5.8                       | 3.2           | 3.9                 | 5.5                       | 3.4          | 4.3                 | 4.9                       | 2.5          | 3.8                 | 6.3                       |
| 15-44 YEARS.....                 | 4.7   | 5.0          | 5.0                 | 5.2                       | 4.5           | 4.9                 | 5.6                       | 4.2          | 4.5                 | 5.4                       | 3.2          | 4.2                 | 4.6                       |
| 45-64 YEARS.....                 | 8.3   | 8.3          | 9.5                 | 10.0                      | 6.5           | 8.5                 | 9.6                       | 6.4          | 8.1                 | 9.1                       | 4.8          | 7.3                 | 7.7                       |
| 65+ YEARS.....                   | 11.0  | 13.1         | 13.8                | 14.5                      | 8.8           | 11.0                | 12.0                      | 8.9          | 10.5                | 11.4                      | 6.8          | 9.7                 | 10.7                      |
| FEMALE EXCLUD-<br>ING DELIVERIES |       |              |                     |                           |               |                     |                           |              |                     |                           |              |                     |                           |
| ALL AGES.....                    | 7.5   | 8.8          | 8.9                 | 8.7                       | 6.4           | 7.4                 | 8.4                       | 6.4          | 7.1                 | 8.2                       | 4.7          | 6.8                 | 7.5                       |
| UNDER 15 YEARS...                | 4.3   | 3.2          | 4.7                 | 5.8                       | 3.2           | 3.9                 | 5.5                       | 3.4          | 4.3                 | 4.9                       | 2.5          | 3.8                 | 6.3                       |
| 15-44 YEARS.....                 | 5.2   | 5.6          | 5.3                 | 5.4                       | 4.8           | 5.3                 | 6.3                       | 4.6          | 5.0                 | 6.3                       | 3.7          | 4.9                 | 5.8                       |
| 45-64 YEARS.....                 | 8.3   | 8.4          | 9.5                 | 10.1                      | 6.5           | 8.5                 | 9.6                       | 6.5          | 8.2                 | 9.1                       | 4.9          | 7.3                 | 7.8                       |
| 65+ YEARS.....                   | 11.0  | 13.1         | 13.8                | 14.5                      | 8.8           | 11.0                | 12.0                      | 8.9          | 10.5                | 11.4                      | 6.8          | 9.7                 | 10.7                      |

TABLE 11. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND DAYS OF CARE, BY TYPE OF OWNERSHIP OF HOSPITAL AND AGE AND SEX OF PATIENT: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| TYPE OF OWNERSHIP AND AGE | BOTH SEXES | MALE  | FEMALE                            | FEMALE                            | BOTH SEXES | MALE                                   | FEMALE                            | FEMALE                            |  |
|---------------------------|------------|---|-----------------------------------|-----------------------------------|------------|--|-----------------------------------|-----------------------------------|--|
|                           |            |   | INCLUD-<br>ING<br>DELIV-<br>ERIES | EXCLUD-<br>ING<br>DELIV-<br>ERIES |            |  | INCLUD-<br>ING<br>DELIV-<br>ERIES | EXCLUD-<br>ING<br>DELIV-<br>ERIES |  |
| ALL TYPES                 |            | NUMBER OF DISCHARGED PATIENTS<br>IN THOUSANDS |                                   |                                   |            | NUMBER OF DAYS OF CARE<br>IN THOUSANDS |                                   |                                   |  |
| ALL AGES.....             | 36,747     | 14,705  | 22,042                            | 18,396                            | 264,173    | 112,504                                | 151,669                           | 138,004                           |  |
| UNDER 15 YEARS.....       | 3,641      | 2,053   | 1,588                             | 1,575                             | 15,765     | 9,008                                  | 6,757                             | 6,710                             |  |
| 15-44 YEARS.....          | 15,488     | 4,680   | 10,808                            | 7,201                             | 80,913     | 29,713                                 | 51,200                            | 37,687                            |  |
| 45-64 YEARS.....          | 8,532      | 4,017   | 4,515                             | 4,489                             | 69,755     | 32,482                                 | 37,273                            | 37,169                            |  |
| 65 YEARS AND OVER...      | 9,086      | 3,955   | 5,131                             | 5,131                             | 97,740     | 41,302                                 | 56,438                            | 56,438                            |  |
| VOLUNTARY NONPROFIT       |            |   |                                   |                                   |            |  |                                   |                                   |  |
| ALL AGES.....             | 26,105     | 10,345  | 15,759                            | 13,111                            | 192,067    | 81,137                                 | 110,930                           | 100,709                           |  |
| UNDER 15 YEARS.....       | 2,576      | 1,456   | 1,120                             | 1,115                             | 11,100     | 6,366                                  | 4,734                             | 4,713                             |  |
| 15-44 YEARS.....          | 10,806     | 3,139   | 7,666                             | 5,042                             | 56,393     | 19,982                                 | 36,411                            | 26,289                            |  |
| 45-64 YEARS.....          | 6,163      | 2,877   | 3,286                             | 3,268                             | 51,201     | 23,611                                 | 27,590                            | 27,512                            |  |
| 65 YEARS AND OVER...      | 6,560      | 2,873   | 3,687                             | 3,687                             | 73,373     | 31,178                                 | 42,196                            | 42,196                            |  |
| GOVERNMENT                |            |   |                                   |                                   |            |  |                                   |                                   |  |
| ALL AGES.....             | 7,686      | 3,142   | 4,544                             | 3,670                             | 50,727     | 22,337                                 | 28,390                            | 25,337                            |  |
| UNDER 15 YEARS.....       | 843        | 470   | 372                               | 366                               | 3,839      | 2,164                                  | 1,674                             | 1,652                             |  |
| 15-44 YEARS.....          | 3,476      | 1,110   | 2,366                             | 1,506                             | 17,782     | 7,026                                  | 10,756                            | 7,748                             |  |
| 45-64 YEARS.....          | 1,641      | 796   | 845                               | 837                               | 12,819     | 6,150                                  | 6,668                             | 6,645                             |  |
| 65 YEARS AND OVER...      | 1,726      | 766   | 960                               | 960                               | 16,288     | 6,997                                  | 9,291                             | 9,291                             |  |
| PROPRIETARY               |            |   |                                   |                                   |            |  |                                   |                                   |  |
| ALL AGES.....             | 2,956      | 1,217   | 1,739                             | 1,614                             | 21,379     | 9,031                                  | 12,348                            | 11,958                            |  |
| UNDER 15 YEARS.....       | 222        | 127   | 95                                | 94                                | 827        | 477                                    | 349                               | 345                               |  |
| 15-44 YEARS.....          | 1,206      | 431   | 776                               | 653                               | 6,738      | 2,706                                  | 4,033                             | 3,649                             |  |
| 45-64 YEARS.....          | 728        | 344   | 384                               | 383                               | 5,735      | 2,720                                  | 3,015                             | 3,013                             |  |
| 65 YEARS AND OVER...      | 799        | 316   | 483                               | 483                               | 8,079      | 3,128                                  | 4,952                             | 4,952                             |  |

TABLE 12. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY TYPE OF OWNERSHIP OF HOSPITAL, AGE OF PATIENT, AND SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS)

| TYPE OF OWNERSHIP AND AGE      | BOTH SEXES | MALE | FEMALE INCLUDING DELIVERIES | FEMALE EXCLUDING DELIVERIES |
|--------------------------------|------------|------|-----------------------------|-----------------------------|
| ALL TYPES                      |            |      |                             |                             |
| 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                        |
| VOLUNTARY NONPROFIT            |            |      |                             |                             |
| ALL AGES.....                  | 7.4        | 7.8  | 7.0                         | 7.7                         |
| UNDER 15 YEARS.....            | 4.3        | 4.4  | 4.2                         | 4.2                         |
| 15-44 YEARS.....               | 5.2        | 6.4  | 4.7                         | 5.2                         |
| 45-64 YEARS.....               | 8.3        | 8.2  | 8.4                         | 8.4                         |
| 65 YEARS AND OVER.....         | 11.2       | 10.9 | 11.4                        | 11.4                        |
| GOVERNMENT                     |            |      |                             |                             |
| ALL AGES.....                  | 6.6        | 7.1  | 6.2                         | 6.9                         |
| UNDER 15 YEARS.....            | 4.6        | 4.6  | 4.5                         | 4.5                         |
| 15-44 YEARS.....               | 5.1        | 6.3  | 4.5                         | 5.1                         |
| 45-64 YEARS.....               | 7.8        | 7.7  | 7.9                         | 7.9                         |
| 65 YEARS AND OVER.....         | 9.4        | 9.1  | 9.7                         | 9.7                         |
| PROPRIETARY                    |            |      |                             |                             |
| ALL AGES.....                  | 7.2        | 7.4  | 7.1                         | 7.4                         |
| UNDER 15 YEARS.....            | 3.7        | 3.8  | 3.7                         | 3.7                         |
| 15-44 YEARS.....               | 5.6        | 6.3  | 5.2                         | 5.6                         |
| 45-64 YEARS.....               | 7.9        | 7.9  | 7.8                         | 7.9                         |
| 65 YEARS AND OVER.....         | 10.1       | 9.9  | 10.2                        | 10.2                        |

TABLE 13. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND AGE: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. DIAGNOSTIC GROUPINGS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE |  | ALL AGES                                   | UNDER 15 YEARS | 15-44 YEARS | 45-64 YEARS | 65 YEARS AND OVER |
|--|--|--|----------------|-------------|-------------|-------------------|
|  |  | NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |                |             |             |                   |
| 01   | ALL CONDITIONS.....  | 36,747                                     | 3,641          | 15,488      | 8,532       | 9,086             |
| 02   | I. INFECTIOUS AND PARASITIC DISEASES.....001-139                                       | 596  | 182            | 214         | 99          | 101               |
| 03   | II. NEOPLASMS.....140-239  | 2,402                                      | 65             | 484         | 863         | 989               |
| 04   | MALIGNANT NEOPLASMS.....140-208  | 1,745                                      | 38             | 172         | 651         | 884               |
| 05   | BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239   | 656  | 28             | 312         | 212         | 105               |
| 06   | III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279 | 1,057                                      | 63             | 273         | 340         | 382               |
| 07   | DIABETES MELLITUS.....250  | 600  | 20             | 135         | 217         | 228               |
| 08   | IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289                         | 348  | 75             | 96          | 53          | 124               |
| 09   | V. MENTAL DISORDERS.....290-319  | 1,723                                      | 50             | 983         | 465         | 226               |
| 10   | PSYCHOSES.....290-299  | 512  | 3              | 302         | 120         | 86                |
| 11   | ALCOHOL DEPENDENCE SYNDROME.....303  | 439  | 2              | 225         | 181         | 31                |
| 12   | VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389                        | 1,626                                      | 337            | 366         | 380         | 543               |
| 13   | DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336, 340-349                            | 373  | 56             | 134         | 89          | 95                |
| 14   | CATARACT.....366   | 383  | 3              | 15          | 79          | 285               |
| 15   | DISEASES OF THE EAR AND MASTOID PROCESS.....380-389                                    | 380  | 200            | 79          | 62          | 39                |
| 16   | VII. DISEASES OF THE CIRCULATORY SYSTEM.....390-459                                    | 4,907                                      | 43             | 532         | 1,673       | 2,659             |
| 17   | ESSENTIAL HYPERTENSION.....401   | 298  | 2              | 61          | 124         | 111               |
| 18   | HEART DISEASE.....402-429  | 3,065                                      | 27             | 240         | 1,114       | 1,684             |
| 19   | ACUTE MYOCARDIAL INFARCTION.....410  | 433  | *1             | 26          | 187         | 219               |
| 20   | ATHEROSCLEROTIC HEART DISEASE.....414.0  | 592  | 3              | 22          | 184         | 383               |
| 21   | OTHER ISCHEMIC HEART DISEASE.....411-413, 414.1-414.9                                  | 714  | 2              | 61          | 365         | 285               |
| 22   | CONGESTIVE HEART FAILURE.....428.0   | 377  | 5              | 6           | 68          | 298               |
| 23   | CEREBROVASCULAR DISEASE.....430-438  | 747  | 4              | 26          | 163         | 554               |
| 24   | VIII. DISEASES OF THE RESPIRATORY SYSTEM.....460-519                                   | 3,309                                      | 1,086          | 798         | 621         | 804               |
| 25   | ACUTE BRONCHITIS AND BRONCHIOLITIS.....466   | 236  | 107            | 34          | 44          | 50                |
| 26   | OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-465                 | 298  | 190            | 73          | 17          | 19                |
| 27   | CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 497  | 320            | 171         | 5           | *0                |
| 28   | PNEUMONIA, ALL FORMS.....480-486   | 756  | 255            | 120         | 125         | 256               |
| 29   | ASTHMA.....493   | 339  | 99             | 94          | 83          | 63                |
| 30   | IX. DISEASES OF THE DIGESTIVE SYSTEM.....520-579                                       | 4,604                                      | 484            | 1,594       | 1,324       | 1,202             |
| 31   | ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534                                  | 356  | 5              | 101         | 134         | 116               |
| 32   | GASTRITIS AND DUODENITIS.....535   | 298  | 17             | 127         | 95          | 59                |
| 33   | APPENDICITIS.....540-543   | 278  | 71             | 167         | 28          | 12                |
| 34   | INGUINAL HERNIA.....550  | 475  | 84             | 134         | 141         | 116               |
| 35   | NONINFECTIOUS ENTERITIS AND COLITIS.....555-558  | 616  | 196            | 205         | 106         | 109               |
| 36   | CHOLELITHIASIS.....574   | 447  | 2              | 159         | 159         | 127               |
| 37   | X. DISEASES OF THE GENITOURINARY SYSTEM.....580-629                                    | 3,514                                      | 188            | 1,809       | 894         | 624               |
| 38   | CALCULUS OF KIDNEY AND URETER.....592  | 290  | 4              | 140         | 107         | 40                |
| 39   | DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                  | 450  | 4              | 350         | 94          | *1                |
| 40   | XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676          | 989  | 9              | 976         | 4           | ...               |
| 41   | ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639                     | 536  | 6              | 528         | 2           | ...               |
| 42   | XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709                          | 600  | 81             | 251         | 144         | 124               |
| 43   | XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739         | 2,086                                      | 80             | 854         | 698         | 454               |
| 44   | ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 481  | 19             | 166         | 138         | 158               |
| 45   | INTERVERTEBRAL DISC DISORDERS.....722  | 385  | *1             | 192         | 157         | 35                |
| 46   | XIV. CONGENITAL ANOMALIES.....740-759  | 332  | 160            | 99          | 53          | 21                |
| 47   | XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                 | 72   | 71             | *1          | *0          | -                 |
| 48   | XVI. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799                           | 644  | 119            | 273         | 164         | 88                |
| 49   | XVII. INJURY AND POISONING.....800-999   | 3,635                                      | 493            | 1,805       | 650         | 686               |
| 50   | FRACTURES, ALL SITES.....800-829   | 1,180                                      | 155            | 434         | 215         | 375               |
| 51   | SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847                               | 339  | 5              | 212         | 92          | 31                |
| 52   | INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                | 309  | 90             | 166         | 28          | 24                |
| 53   | LACERATIONS AND OPEN WOUNDS.....870-904  | 359  | 46             | 232         | 51          | 30                |
| 54   | SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 4,302                                      | 57             | 4,080       | 106         | 59                |
| 55   | PERSONS ADMITTED FOR STERILIZATION.....V25.2   | 268  | *0             | 262         | 6           | *0                |
| 56   | FEMALES WITH DELIVERIES.....V27  | 3,646                                      | 13             | 3,607       | 27          | ...               |

1/ FIRST-LISTED DIAGNOSIS FOR FEMALES WITH DELIVERIES IS V27, SHOWN UNDER "SUPPLEMENTARY CLASSIFICATIONS."



TABLE 13. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND AGE: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL 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 OF PATIENTS DISCHARGED PER 10,000 POPULATION |                |             |             |                   | AVERAGE LENGTH OF STAY IN DAYS |                |             |             |                   |    |
| 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 |
| 111.2   | 13.1           | 49.0        | 198.4       | 423.3             | 10.6                           | 7.3            | 7.1         | 10.3        | 12.8              | 03 |
| 80.8  | 7.5            | 17.4        | 149.7       | 378.3             | 12.3                           | 9.0            | 10.6        | 11.6        | 13.3              | 04 |
| 30.4  | 5.5            | 31.5        | 48.7        | 45.0              | 6.2                            | 4.9            | 5.2         | 6.6         | 8.4               | 05 |
| 49.0  | 12.5           | 27.6        | 78.2        | 163.5             | 9.5                            | 7.0            | 7.6         | 9.1         | 11.6              | 06 |
| 27.8  | 4.1            | 13.7        | 49.8        | 97.6              | 10.1                           | 7.1            | 7.5         | 9.7         | 12.3              | 07 |
| 16.1  | 14.9           | 9.7         | 12.3        | 53.1              | 7.3                            | 4.2            | 5.8         | 8.1         | 9.8               | 08 |
| 79.8  | 9.9            | 99.3        | 106.9       | 96.8              | 11.0                           | 11.3           | 10.8        | 10.4        | 13.4              | 09 |
| 23.7  | 0.7            | 30.5        | 27.6        | 36.9              | 14.5                           | 40.7           | 14.0        | 14.6        | 15.2              | 10 |
| 20.3  | 0.4            | 22.7        | 41.6        | 13.4              | 9.3                            | *3.9           | 9.7         | 8.8         | 9.6               | 11 |
| 75.3  | 67.3           | 37.0        | 87.4        | 232.3             | 5.5                            | 3.2            | 5.5         | 5.9         | 6.5               | 12 |
| 17.3  | 11.1           | 13.5        | 20.4        | 40.6              | 10.5                           | 7.3            | 8.3         | 10.9        | 15.2              | 13 |
| 17.7  | 0.6            | 1.6         | 18.3        | 121.8             | 3.8                            | 3.8            | 3.6         | 3.6         | 3.9               | 14 |
| 17.6  | 40.0           | 7.9         | 14.2        | 16.8              | 3.0                            | 2.3            | 3.1         | 3.9         | 5.4               | 15 |
| 227.3   | 8.6            | 53.7        | 384.9       | 1,137.7           | 9.9                            | 9.3            | 7.0         | 8.9         | 11.1              | 16 |
| 13.8  | 0.5            | 6.2         | 28.5        | 47.4              | 6.7                            | 5.0            | 5.7         | 6.9         | 7.0               | 17 |
| 142.0   | 5.4            | 24.2        | 256.1       | 720.7             | 9.6                            | 8.6            | 7.3         | 8.6         | 10.5              | 18 |
| 20.1  | *0.2           | 2.6         | 43.1        | 93.7              | 12.6                           | *12.1          | 11.7        | 12.6        | 12.7              | 19 |
| 27.4  | 0.5            | 2.3         | 42.2        | 164.1             | 9.7                            | 10.9           | 7.3         | 7.9         | 10.7              | 20 |
| 33.1  | 0.5            | 6.2         | 84.0        | 121.9             | 7.7                            | 8.1            | 5.6         | 7.2         | 8.8               | 21 |
| 17.5  | 1.0            | 0.6         | 15.5        | 127.7             | 10.7                           | 13.6           | 8.3         | 9.5         | 11.0              | 22 |
| 34.6  | 0.8            | 2.6         | 37.4        | 237.1             | 12.4                           | 21.9           | 10.8        | 11.0        | 12.8              | 23 |
| 153.3   | 216.8          | 80.7        | 142.8       | 344.2             | 6.2                            | 3.6            | 4.3         | 7.8         | 10.3              | 24 |
| 10.9  | 21.4           | 3.5         | 10.0        | 21.6              | 5.8                            | 4.5            | 5.0         | 6.5         | 8.6               | 25 |
| 13.8  | 37.8           | 7.4         | 4.0         | 8.0               | 3.9                            | 3.3            | 4.1         | 5.0         | 7.6               | 26 |
| 23.0  | 64.0           | 17.3        | 1.2         | *0.1              | 2.0                            | 1.8            | 2.3         | 2.2         | *1.5              | 27 |
| 35.0  | 50.9           | 12.2        | 28.7        | 109.6             | 8.0                            | 5.2            | 6.6         | 9.0         | 10.8              | 28 |
| 15.7  | 19.8           | 9.5         | 19.0        | 26.9              | 6.1                            | 3.8            | 4.9         | 7.6         | 9.4               | 29 |
| 213.3   | 96.7           | 161.1       | 304.5       | 514.4             | 6.9                            | 4.1            | 5.5         | 7.5         | 9.4               | 30 |
| 16.5  | 1.0            | 10.2        | 30.9        | 49.5              | 7.9                            | 4.9            | 5.8         | 8.0         | 9.7               | 31 |
| 13.8  | 3.4            | 12.9        | 22.0        | 25.1              | 5.3                            | 3.3            | 4.5         | 5.6         | 7.3               | 32 |
| 12.9  | 14.1           | 16.9        | 6.5         | 5.0               | 5.8                            | 5.1            | 5.2         | 8.5         | 12.0              | 33 |
| 22.0  | 16.8           | 13.5        | 32.5        | 49.6              | 4.9                            | 2.4            | 4.2         | 5.4         | 7.1               | 34 |
| 28.5  | 39.1           | 20.8        | 24.3        | 46.5              | 5.4                            | 4.2            | 4.9         | 6.3         | 7.6               | 35 |
| 20.7  | 0.4            | 16.1        | 36.5        | 54.4              | 9.8                            | 6.5            | 8.0         | 9.3         | 12.7              | 36 |
| 162.8   | 37.4           | 182.8       | 205.7       | 266.8             | 5.7                            | 3.5            | 4.6         | 5.9         | 9.5               | 37 |
| 13.4  | 0.7            | 14.1        | 24.6        | 17.0              | 5.3                            | 3.3            | 4.1         | 5.8         | 8.6               | 38 |
| 20.8  | 0.8            | 35.4        | 21.6        | 0.6               | 3.4                            | 3.2            | 3.2         | 3.8         | 4.8               | 39 |
| 45.8  | 1.8            | 98.7        | 0.9         | ...               | 2.5                            | 2.0            | 2.5         | 2.9         | ...               | 40 |
| 24.8  | 1.2            | 53.3        | 0.5         | ...               | 2.2                            | 1.7            | 2.2         | *2.1        | ...               | 41 |
| 27.8  | 16.1           | 25.4        | 33.1        | 53.0              | 7.6                            | 4.8            | 5.5         | 8.7         | 12.5              | 42 |
| 96.6  | 16.0           | 86.3        | 160.5       | 194.3             | 8.3                            | 6.1            | 6.6         | 8.6         | 11.2              | 43 |
| 22.3  | 3.8            | 16.7        | 31.8        | 67.7              | 9.6                            | 6.4            | 6.5         | 10.0        | 13.0              | 44 |
| 17.8  | *0.1           | 19.4        | 36.2        | 15.0              | 9.8                            | *7.2           | 9.0         | 10.6        | 10.7              | 45 |
| 15.4  | 31.9           | 10.0        | 12.1        | 9.1               | 6.1                            | 5.5            | 6.0         | 7.6         | 6.5               | 46 |
| 3.3   | 14.1           | *0.1        | *0.0        | -                 | 7.8                            | 7.8            | *8.0        | * 3.0       | -                 | 47 |
| 29.8  | 23.7           | 27.6        | 37.8        | 37.5              | 4.8                            | 3.8            | 4.2         | 5.1         | 7.3               | 48 |
| 168.4   | 98.5           | 182.5       | 149.6       | 293.6             | 7.4                            | 4.4            | 5.8         | 8.3         | 12.9              | 49 |
| 54.7  | 31.0           | 43.9        | 49.4        | 160.7             | 10.5                           | 5.4            | 7.5         | 10.1        | 16.3              | 50 |
| 15.7  | 0.9            | 21.4        | 21.1        | 13.1              | 7.4                            | 4.1            | 7.1         | 7.9         | 8.2               | 51 |
| 14.3  | 18.0           | 16.8        | 6.5         | 10.4              | 5.0                            | 2.6            | 5.0         | 7.0         | 11.3              | 52 |
| 16.6  | 9.1            | 23.5        | 11.8        | 12.8              | 4.8                            | 3.5            | 4.6         | 5.3         | 7.4               | 53 |
| 199.3   | 11.3           | 412.4       | 24.5        | 25.3              | 3.7                            | 3.8            | 3.6         | 5.1         | 7.0               | 54 |
| 12.4  | *0.0           | 26.5        | 1.4         | *0.0              | 2.2                            | *1.0           | 2.2         | 2.5         | *8.0              | 55 |
| 168.9   | 2.5            | 364.5       | 6.1         | ...               | 3.7                            | 3.8            | 3.7         | 3.9         | ...               | 56 |

TABLE 14. NUMBER OF DISCHARGES AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND COLOR; AND RATE OF DISCHARGES BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. DIAGNOSTIC GROUPINGS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE                                      | SEX  |        |        |  |         |         |
|---|--|--------|--------|--|---------|---------|
|   | TOTAL                                      | MALE   | FEMALE | TOTAL                                    | MALE    | FEMALE  |
|   | NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |        |        | RATE OF DISCHARGES PER 10,000 POPULATION |         |         |
| 01 ALL CONDITIONS.....  | 36,747                                     | 14,705 | 22,042 | 1,702.1                                  | 1,411.5 | 1,973.2 |
| 02 I. INFECTIOUS AND PARASITIC DISEASES.....001-139                                       | 596  | 277    | 319    | 27.6                                     | 26.6    | 28.6    |
| 03 II. NEOPLASMS.....140-239  | 2,402                                      | 994    | 1,408  | 111.2                                    | 95.4    | 126.0   |
| 04 MALIGNANT NEOPLASMS.....140-208  | 1,745                                      | 846    | 899    | 80.8                                     | 81.2    | 80.5    |
| 05 BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239   | 656  | 148    | 509    | 30.4                                     | 14.2    | 45.6    |
| 06 III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279 | 1,057                                      | 376    | 682    | 49.0                                     | 36.1    | 61.0    |
| 07 DIABETES MELLITUS.....250  | 600  | 227    | 374    | 27.8                                     | 21.7    | 33.4    |
| 08 IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS..280-289                            | 348  | 155    | 193    | 16.1                                     | 14.8    | 17.3    |
| 09 V. MENTAL DISORDERS.....290-319  | 1,723                                      | 887    | 836    | 79.8                                     | 85.2    | 74.9    |
| 10 PSYCHOSES.....290-299  | 512  | 246    | 266    | 23.7                                     | 23.6    | 23.8    |
| 11 ALCOHOL DEPENDENCE SYNDROME.....303  | 439  | 341    | 98     | 20.3                                     | 32.8    | 8.8     |
| 12 VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS 320-389                            | 1,626                                      | 714    | 912    | 75.3                                     | 68.5    | 81.7    |
| 13 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349                             | 373  | 172    | 201    | 17.3                                     | 16.5    | 18.0    |
| 14 CATARACT.....366   | 383  | 155    | 228    | 17.7                                     | 14.8    | 20.4    |
| 15 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389                                    | 380  | 190    | 189    | 17.6                                     | 18.3    | 17.0    |
| 16 VII. DISEASES OF THE CIRCULATORY SYSTEM.....390-459                                    | 4,907                                      | 2,471  | 2,436  | 227.3                                    | 237.2   | 218.1   |
| 17 ESSENTIAL HYPERTENSION.....401   | 298  | 118    | 181    | 13.8                                     | 11.3    | 16.2    |
| 18 HEART DISEASE.....402-429  | 3,065                                      | 1,640  | 1,425  | 142.0                                    | 157.4   | 127.6   |
| 19 ACUTE MYOCARDIAL INFARCTION.....410  | 433  | 271    | 162    | 20.1                                     | 26.0    | 14.5    |
| 20 ATHEROSCLEROTIC HEART DISEASE.....414.0  | 592  | 317    | 275    | 27.4                                     | 30.4    | 24.6    |
| 21 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9                                   | 714  | 426    | 287    | 33.1                                     | 40.9    | 25.7    |
| 22 CONGESTIVE HEART FAILURE.....428.0   | 377  | 174    | 203    | 17.5                                     | 16.7    | 18.2    |
| 23 CEREBROVASCULAR DISEASE.....430-438  | 747  | 335    | 411    | 34.6                                     | 32.2    | 36.8    |
| 24 VIII. DISEASES OF THE RESPIRATORY SYSTEM.....460-519                                   | 3,309                                      | 1,679  | 1,630  | 153.3                                    | 161.2   | 145.9   |
| 25 ACUTE BRONCHITIS AND BRONCHIOLITIS.....466   | 236  | 112    | 124    | 10.9                                     | 10.7    | 11.1    |
| 26 OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA..460-465                    | 298  | 150    | 149    | 13.8                                     | 14.4    | 13.3    |
| 27 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 497  | 215    | 282    | 23.0                                     | 20.6    | 25.3    |
| 28 PNEUMONIA, ALL FORMS.....480-486   | 756  | 403    | 353    | 35.0                                     | 38.7    | 31.6    |
| 29 ASTHMA.....493   | 339  | 143    | 196    | 15.7                                     | 13.8    | 17.5    |
| 30 IX. DISEASES OF THE DIGESTIVE SYSTEM.....520-579                                       | 4,604                                      | 2,195  | 2,409  | 213.3                                    | 210.7   | 215.7   |
| 31 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534                                  | 356  | 194    | 162    | 16.5                                     | 18.6    | 14.5    |
| 32 GASTRITIS AND DUODENITIS.....535   | 298  | 140    | 158    | 13.8                                     | 13.5    | 14.2    |
| 33 APPENDICITIS.....540-543   | 278  | 158    | 120    | 12.9                                     | 15.2    | 10.8    |
| 34 INGUINAL HERNIA.....550  | 475  | 427    | 48     | 22.0                                     | 40.9    | 4.3     |
| 35 NONINFECTIOUS ENTERITIS AND COLITIS.....555-558  | 616  | 259    | 357    | 28.5                                     | 24.9    | 31.9    |
| 36 CHOLELITHIASIS.....574   | 447  | 122    | 324    | 20.7                                     | 11.7    | 29.0    |
| 37 X. DISEASES OF THE GENITOURINARY SYSTEM.....580-629                                    | 3,514                                      | 1,042  | 2,472  | 162.8                                    | 100.1   | 221.3   |
| 38 CALCULUS OF KIDNEY AND URETER.....592  | 290  | 197    | 93     | 13.4                                     | 18.9    | 8.3     |
| 39 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING...626                    | 450  | ...    | 450    | 20.8                                     | ...     | 40.3    |
| 40 XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676          | 989  | ...    | 989    | 45.8                                     | ...     | 88.5    |
| 41 ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639                     | 536  | ...    | 536    | 24.8                                     | ...     | 48.0    |
| 42 XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE...680-709                            | 600  | 284    | 316    | 27.8                                     | 27.3    | 28.3    |
| 43 XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739         | 2,086                                      | 905    | 1,181  | 96.6                                     | 86.8    | 105.7   |
| 44 ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 481  | 193    | 288    | 22.3                                     | 18.5    | 25.8    |
| 45 INTERVERTEBRAL DISC DISORDERS.....722  | 385  | 212    | 173    | 17.8                                     | 20.3    | 15.5    |
| 46 XIV. CONGENITAL ANOMALIES.....740-759  | 332  | 167    | 165    | 15.4                                     | 16.0    | 14.8    |
| 47 XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                 | 72   | 40     | 31     | 3.3                                      | 3.9     | 2.8     |
| 48 XVI. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799                           | 644  | 295    | 348    | 29.8                                     | 28.4    | 31.2    |
| 49 XVII. INJURY AND POISONING.....800-999   | 3,635                                      | 2,057  | 1,578  | 168.4                                    | 197.5   | 141.3   |
| 50 FRACTURES, ALL SITES.....800-829   | 1,180                                      | 609    | 571    | 54.7                                     | 58.4    | 51.1    |
| 51 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847                               | 339  | 166    | 173    | 15.7                                     | 15.9    | 15.5    |
| 52 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE)..850-854                   | 309  | 192    | 117    | 14.3                                     | 18.4    | 10.5    |
| 53 LACERATIONS AND OPEN WOUNDS.....870-904  | 359  | 269    | 89     | 16.6                                     | 25.9    | 8.0     |
| 54 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 4,302                                      | 166    | 4,136  | 199.3                                    | 15.9    | 370.3   |
| 55 PERSONS ADMITTED FOR STERILIZATION.....V25-2   | 268  | 9      | 259    | 12.4                                     | 0.9     | 23.2    |
| 56 FEMALES WITH DELIVERIES.....V27  | 3,646                                      | ...    | 3,646  | 168.9                                    | ...     | 326.4   |

1/ INCLUDES DISCHARGE DATA FOR WHICH COLOR WAS NOT STATED.

2/ FIRST-LISTED DIAGNOSIS FOR FEMALES WITH DELIVERIES IS V27, SHOWN UNDER "SUPPLEMENTARY CLASSIFICATIONS."

TABLE 14. NUMBER OF DISCHARGES AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND COLOR; AND RATE OF DISCHARGES BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND SEX: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. DIAGNOSTIC GROUPINGS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| SEX--CON.                      |      |        | COLOR                                      |        |           |                                |       |           |    |
|--------------------------------|------|--------|--|--------|-----------|--------------------------------|-------|-----------|----|
| TOTAL                          | MALE | FEMALE | 1/ TOTAL                                   | WHITE  | ALL OTHER | 1/ TOTAL                       | WHITE | ALL OTHER |    |
| AVERAGE LENGTH OF STAY IN DAYS |      |        | NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |        |           | AVERAGE LENGTH OF STAY IN DAYS |       |           |    |
| 7.2                            | 7.7  | 6.9    | 36,747                                     | 27,451 | 4,572     | 7.2                            | 7.2   | 7.4       | 01 |
| 7.2                            | 7.5  | 6.9    | 596  | 444    | 85        | 7.2                            | 7.0   | 8.6       | 02 |
| 10.6                           | 11.4 | 10.1   | 2,402                                      | 1,819  | 279       | 10.6                           | 10.6  | 11.3      | 03 |
| 12.3                           | 12.3 | 12.4   | 1,745                                      | 1,355  | 175       | 12.3                           | 12.2  | 13.8      | 04 |
| 6.2                            | 6.1  | 6.2    | 656  | 464    | 104       | 6.2                            | 5.9   | 7.2       | 05 |
| 9.5                            | 8.7  | 9.9    | 1,057                                      | 780    | 162       | 9.5                            | 9.1   | 11.1      | 06 |
| 10.1                           | 9.4  | 10.6   | 600  | 423    | 109       | 10.1                           | 10.1  | 10.9      | 07 |
| 7.3                            | 6.7  | 7.7    | 348  | 241    | 73        | 7.3                            | 7.3   | 7.2       | 08 |
| 11.0                           | 10.5 | 11.6   | 1,723                                      | 1,233  | 232       | 11.0                           | 11.1  | 10.4      | 09 |
| 14.5                           | 13.1 | 15.9   | 512  | 383    | 75        | 14.5                           | 14.7  | 14.2      | 10 |
| 9.3                            | 9.3  | 9.2    | 439  | 261    | 80        | 9.3                            | 9.1   | 8.1       | 11 |
| 5.5                            | 5.5  | 5.4    | 1,626                                      | 1,218  | 161       | 5.5                            | 5.4   | 7.2       | 12 |
| 10.5                           | 10.8 | 10.3   | 373  | 281    | 49        | 10.5                           | 10.4  | 11.9      | 13 |
| 3.8                            | 3.8  | 3.9    | 383  | 292    | 31        | 3.8                            | 3.9   | 4.6       | 14 |
| 3.0                            | 2.8  | 3.3    | 380  | 277    | 30        | 3.0                            | 3.1   | 3.8       | 15 |
| 9.9                            | 9.6  | 10.2   | 4,907                                      | 3,858  | 494       | 9.9                            | 9.8   | 11.2      | 16 |
| 6.7                            | 6.7  | 6.7    | 298  | 214    | 57        | 6.7                            | 6.4   | 7.8       | 17 |
| 9.6                            | 9.2  | 10.0   | 3,065                                      | 2,460  | 273       | 9.6                            | 9.6   | 10.6      | 18 |
| 12.6                           | 12.5 | 12.8   | 433  | 355    | 27        | 12.6                           | 12.6  | 14.8      | 19 |
| 9.7                            | 8.9  | 10.6   | 592  | 489    | 32        | 9.7                            | 9.8   | 10.9      | 20 |
| 7.7                            | 7.3  | 8.2    | 714  | 603    | 47        | 7.7                            | 7.7   | 8.2       | 21 |
| 10.7                           | 10.4 | 11.0   | 377  | 287    | 48        | 10.7                           | 10.9  | 10.9      | 22 |
| 12.4                           | 12.1 | 12.6   | 747  | 574    | 81        | 12.4                           | 11.8  | 15.4      | 23 |
| 6.2                            | 6.2  | 6.1    | 3,309                                      | 2,529  | 360       | 6.2                            | 6.2   | 6.5       | 24 |
| 5.8                            | 5.5  | 6.1    | 236  | 180    | 27        | 5.8                            | 5.8   | 6.2       | 25 |
| 3.9                            | 3.7  | 4.1    | 298  | 220    | 39        | 3.9                            | 3.8   | 4.2       | 26 |
| 2.0                            | 1.8  | 2.1    | 497  | 368    | 38        | 2.0                            | 2.0   | 2.4       | 27 |
| 8.0                            | 7.8  | 8.2    | 756  | 573    | 102       | 8.0                            | 8.0   | 8.3       | 28 |
| 6.1                            | 5.5  | 6.5    | 339  | 235    | 68        | 6.1                            | 6.4   | 5.0       | 29 |
| 6.9                            | 6.5  | 7.4    | 4,604                                      | 3,572  | 465       | 6.9                            | 6.9   | 7.5       | 30 |
| 7.9                            | 7.6  | 8.3    | 356  | 278    | 37        | 7.9                            | 7.9   | 8.3       | 31 |
| 5.3                            | 5.1  | 5.6    | 298  | 235    | 35        | 5.3                            | 5.4   | 5.6       | 32 |
| 5.8                            | 5.6  | 6.1    | 278  | 220    | 23        | 5.8                            | 5.7   | 7.7       | 33 |
| 4.9                            | 4.9  | 5.2    | 475  | 360    | 44        | 4.9                            | 5.0   | 4.9       | 34 |
| 5.4                            | 4.8  | 5.8    | 616  | 486    | 57        | 5.4                            | 5.4   | 4.7       | 35 |
| 9.8                            | 10.6 | 9.5    | 447  | 357    | 38        | 9.8                            | 9.8   | 10.3      | 36 |
| 5.7                            | 6.8  | 5.3    | 3,514                                      | 2,650  | 426       | 5.7                            | 5.8   | 6.0       | 37 |
| 5.3                            | 4.9  | 6.2    | 290  | 238    | 16        | 5.3                            | 5.4   | 6.7       | 38 |
| 3.4                            | ...  | 3.4    | 450  | 330    | 54        | 3.4                            | 3.4   | 3.1       | 39 |
| 2.5                            | ...  | 2.5    | 989  | 631    | 239       | 2.5                            | 2.6   | 2.6       | 40 |
| 2.2                            | ...  | 2.2    | 536  | 332    | 146       | 2.2                            | 2.2   | 2.2       | 41 |
| 7.6                            | 7.4  | 7.8    | 600  | 448    | 83        | 7.6                            | 7.5   | 8.8       | 42 |
| 8.3                            | 7.6  | 8.8    | 2,086                                      | 1,560  | 196       | 8.3                            | 8.3   | 8.4       | 43 |
| 9.6                            | 8.2  | 10.6   | 481  | 360    | 47        | 9.6                            | 9.7   | 9.6       | 44 |
| 9.8                            | 9.1  | 10.7   | 385  | 288    | 27        | 9.8                            | 9.8   | 10.6      | 45 |
| 6.1                            | 6.1  | 6.0    | 332  | 255    | 35        | 6.1                            | 6.2   | 6.0       | 46 |
| 7.8                            | 8.0  | 7.4    | 72   | 50     | 13        | 7.8                            | 6.8   | 12.7      | 47 |
| 4.8                            | 4.8  | 4.7    | 644  | 483    | 76        | 4.8                            | 4.7   | 5.4       | 48 |
| 7.4                            | 6.6  | 8.5    | 3,635                                      | 2,675  | 458       | 7.4                            | 7.4   | 7.8       | 49 |
| 10.5                           | 8.8  | 12.3   | 1,180                                      | 892    | 103       | 10.5                           | 10.5  | 10.9      | 50 |
| 7.4                            | 6.9  | 7.8    | 339  | 240    | 49        | 7.4                            | 7.3   | 7.9       | 51 |
| 5.0                            | 4.7  | 5.5    | 309  | 229    | 44        | 5.0                            | 4.9   | 5.1       | 52 |
| 4.8                            | 4.7  | 5.1    | 359  | 245    | 73        | 4.8                            | 4.8   | 5.2       | 53 |
| 3.7                            | 5.1  | 3.7    | 4,302                                      | 3,005  | 735       | 3.7                            | 3.7   | 4.0       | 54 |
| 2.2                            | 1.5  | 2.2    | 268  | 198    | 38        | 2.2                            | 2.2   | 2.4       | 55 |
| 3.7                            | ...  | 3.7    | 3,646                                      | 2,519  | 650       | 3.7                            | 3.7   | 4.0       | 56 |

TABLE 15. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND GEOGRAPHIC REGION: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. DIAGNOSTIC GROUPINGS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE |   | ALL<br>REGIONS | NORTH-<br>EAST | NORTH<br>CENTRAL | SOUTH  | WEST  |
|--|---|----------------|----------------|------------------|--------|-------|
| NUMBER OF PATIENTS DISCHARGED IN THOUSANDS           |   |                |                |                  |        |       |
| 01   | ALL CONDITIONS.....   | 36,747         | 7,786          | 10,647           | 12,425 | 5,889 |
| 02   | I. INFECTIOUS AND PARASITIC DISEASES.....001-139  | 596            | 128            | 158              | 225    | 85    |
| 03   | II. NEOPLASMS.....140-239   | 2,402          | 627            | 695              | 670    | 409   |
| 04   | MALIGNANT NEOPLASMS.....140-208   | 1,745          | 446            | 523              | 471    | 305   |
| 05   | BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS<br>OF UNCERTAIN BEHAVIOR.....210-239   | 656            | 181            | 173              | 199    | 104   |
| 06   | III. ENDOCRINE, NUTRITIONAL AND METABOLIC<br>DISEASES, AND IMMUNITY DISORDERS.....240-279 | 1,057          | 216            | 322              | 382    | 138   |
| 07   | DIABETES MELLITUS.....250   | 600            | 139            | 173              | 221    | 68    |
| 08   | IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289                            | 348            | 83             | 96               | 112    | 56    |
| 09   | V. MENTAL DISORDERS.....290-319   | 1,723          | 503            | 531              | 424    | 266   |
| 10   | PSYCHOSES.....290-299   | 512            | 131            | 151              | 122    | 107   |
| 11   | ALCOHOL DEPENDENCE SYNDROME.....303   | 439            | 217            | 118              | 55     | 50    |
| 12   | VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389                           | 1,626          | 347            | 517              | 474    | 288   |
| 13   | DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336, 340-349                               | 373            | 79             | 113              | 127    | 54    |
| 14   | CATARACT.....366  | 383            | 98             | 110              | 103    | 72    |
| 15   | DISEASES OF THE EAR AND MASTOID PROCESS.....380-389                                       | 380            | 75             | 132              | 111    | 62    |
| 16   | VII. DISEASES OF THE CIRCULATORY SYSTEM.....390-459                                       | 4,907          | 1,094          | 1,350            | 1,715  | 748   |
| 17   | ESSENTIAL HYPERTENSION.....401  | 298            | 49             | 91               | 130    | 28    |
| 18   | HEART DISEASE.....402-429   | 3,065          | 716            | 803              | 1,057  | 489   |
| 19   | ACUTE MYOCARDIAL INFARCTION.....410   | 433            | 111            | 109              | 142    | 71    |
| 20   | ATHEROSCLEROTIC HEART DISEASE.....414.0   | 592            | 168            | 152              | 199    | 73    |
| 21   | OTHER ISCHEMIC HEART DISEASE.....411-413, 414.1-414.9                                     | 714            | 149            | 187              | 247    | 131   |
| 22   | CONGESTIVE HEART FAILURE.....428.0  | 377            | 88             | 101              | 130    | 58    |
| 23   | CEREBROVASCULAR DISEASE.....430-438   | 747            | 159            | 220              | 255    | 112   |
| 24   | VIII. DISEASES OF THE RESPIRATORY SYSTEM.....460-519                                      | 3,309          | 611            | 968              | 1,255  | 476   |
| 25   | ACUTE BRONCHITIS AND BRONCHIOELITIS.....466   | 236            | 38             | 70               | 105    | 23    |
| 26   | OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-465                    | 298            | 45             | 87               | 138    | 28    |
| 27   | CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474   | 497            | 81             | 177              | 149    | 90    |
| 28   | PNEUMONIA, ALL FORMS.....480-486  | 756            | 131            | 195              | 339    | 91    |
| 29   | ASTHMA.....493  | 339            | 83             | 93               | 107    | 56    |
| 30   | IX. DISEASES OF THE DIGESTIVE SYSTEM.....520-579  | 4,604          | 946            | 1,319            | 1,690  | 649   |
| 31   | ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534                                     | 356            | 61             | 98               | 148    | 49    |
| 32   | GASTRITIS AND DUODENITIS.....535  | 298            | 40             | 76               | 156    | 26    |
| 33   | APPENDICITIS.....540-543  | 278            | 54             | 84               | 86     | 54    |
| 34   | INGUINAL HERNIA.....550   | 475            | 125            | 142              | 126    | 81    |
| 35   | NONINFECTIOUS ENTERITIS AND COLITIS.....555-558   | 616            | 100            | 170              | 267    | 78    |
| 36   | CHOLELITHIASIS.....574  | 447            | 105            | 119              | 159    | 63    |
| 37   | X. DISEASES OF THE GENITOURINARY SYSTEM.....580-629                                       | 3,514          | 724            | 1,017            | 1,295  | 478   |
| 38   | CALCULUS OF KIDNEY AND URETER.....592   | 290            | 56             | 76               | 119    | 39    |
| 39   | DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                     | 450            | 108            | 133              | 161    | 49    |
| 40   | XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH,<br>AND THE PUERPERIUM.....1/ 630-676          | 989            | 266            | 281              | 299    | 143   |
| 41   | ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639                        | 536            | 182            | 139              | 137    | 78    |
| 42   | XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709                             | 600            | 134            | 179              | 196    | 92    |
| 43   | XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM<br>AND CONNECTIVE TISSUE.....710-739         | 2,086          | 350            | 667              | 682    | 387   |
| 44   | ARTHRITIS AND RELATED DISORDERS.....710-719   | 481            | 85             | 161              | 140    | 95    |
| 45   | INTERVERTEBRAL DISC DISORDERS.....722   | 385            | 57             | 119              | 122    | 87    |
| 46   | XIV. CONGENITAL ANOMALIES.....740-759   | 332            | 71             | 109              | 94     | 59    |
| 47   | XV. CERTAIN CONDITIONS ORIGINATING IN THE<br>PERINATAL PERIOD.....760-779                 | 72             | 12             | 18               | 22     | 20    |
| 48   | XVI. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799                              | 644            | 118            | 188              | 232    | 106   |
| 49   | XVII. INJURY AND POISONING.....800-999  | 3,635          | 679            | 1,030            | 1,211  | 715   |
| 50   | FRACTURES, ALL SITES.....800-829  | 1,180          | 237            | 340              | 355    | 247   |
| 51   | SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847                                  | 339            | 44             | 90               | 162    | 43    |
| 52   | INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                   | 309            | 76             | 92               | 85     | 56    |
| 53   | LACERATIONS AND OPEN WOUNDS.....870-904   | 359            | 61             | 93               | 130    | 75    |
| 54   | SUPPLEMENTARY CLASSIFICATIONS.....V01-V82   | 4,302          | 876            | 1,202            | 1,448  | 777   |
| 55   | PERSONS ADMITTED FOR STERILIZATION.....V25.2  | 268            | 65             | 67               | 103    | 32    |
| 56   | FEMALES WITH DELIVERIES.....V27   | 3,646          | 726            | 1,012            | 1,235  | 673   |

1/ FIRST-LISTED DIAGNOSIS FOR FEMALES WITH DELIVERIES IS V27, SHOWN UNDER "SUPPLEMENTARY CLASSIFICATIONS."

TABLE 15. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND GEOGRAPHIC REGION: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL 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 REGIONS                                       | NORTHEAST | NORTH CENTRAL | SOUTH   | WEST    | ALL REGIONS                    | NORTHEAST | NORTH CENTRAL | SOUTH | WEST |    |
|---|-----------|---------------|---------|---------|--------------------------------|-----------|---------------|-------|------|----|
| RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION |           |               |         |         | AVERAGE LENGTH OF STAY IN DAYS |           |               |       |      |    |
| 1,702.1   | 1,614.2   | 1,851.2       | 1,776.5 | 1,465.1 | 7.2                            | 8.4       | 7.4           | 6.8   | 6.0  | 01 |
| 27.6  | 26.6      | 27.5          | 32.1    | 21.0    | 7.2                            | 8.6       | 7.1           | 6.6   | 6.6  | 02 |
| 111.2   | 130.0     | 120.9         | 95.8    | 101.8   | 10.6                           | 12.3      | 10.6          | 10.3  | 8.6  | 03 |
| 80.8  | 92.4      | 90.9          | 67.4    | 76.0    | 12.3                           | 14.6      | 12.0          | 12.0  | 9.9  | 04 |
| 30.4  | 37.5      | 30.0          | 28.5    | 25.8    | 6.2                            | 6.7       | 6.2           | 6.2   | 5.0  | 05 |
| 49.0  | 44.7      | 56.0          | 54.6    | 34.3    | 9.5                            | 11.8      | 9.6           | 8.7   | 7.7  | 06 |
| 27.8  | 28.9      | 30.0          | 31.5    | 16.9    | 10.1                           | 12.9      | 10.3          | 8.7   | 8.5  | 07 |
| 16.1  | 17.3      | 16.7          | 16.0    | 14.0    | 7.3                            | 8.5       | 7.8           | 6.8   | 5.3  | 08 |
| 79.8  | 104.3     | 92.4          | 60.6    | 66.1    | 11.0                           | 10.9      | 13.2          | 9.4   | 9.4  | 09 |
| 23.7  | 27.1      | 26.3          | 17.5    | 26.7    | 14.5                           | 15.9      | 15.9          | 13.1  | 12.7 | 10 |
| 20.3  | 44.9      | 20.5          | 7.8     | 12.3    | 9.3                            | 7.4       | 14.8          | 6.6   | 7.1  | 11 |
| 75.3  | 72.0      | 90.0          | 67.7    | 71.6    | 5.5                            | 6.3       | 5.5           | 5.5   | 4.4  | 12 |
| 17.3  | 16.4      | 19.7          | 18.1    | 13.5    | 10.5                           | 13.6      | 10.4          | 9.3   | 9.4  | 13 |
| 17.7  | 20.4      | 19.1          | 14.7    | 17.9    | 3.8                            | 3.8       | 4.1           | 3.9   | 3.3  | 14 |
| 17.6  | 15.5      | 22.9          | 15.9    | 15.5    | 3.0                            | 3.1       | 3.0           | 3.4   | 2.5  | 15 |
| 227.3   | 226.8     | 234.7         | 245.3   | 186.1   | 9.9                            | 12.1      | 10.0          | 9.2   | 8.0  | 16 |
| 13.8  | 10.1      | 15.8          | 18.6    | 7.1     | 6.7                            | 8.6       | 7.0           | 6.1   | 5.0  | 17 |
| 142.0   | 148.5     | 139.6         | 151.1   | 121.7   | 9.6                            | 11.6      | 9.9           | 8.9   | 7.5  | 18 |
| 20.1  | 23.0      | 19.0          | 20.2    | 17.7    | 12.6                           | 14.5      | 13.6          | 11.8  | 9.7  | 19 |
| 27.4  | 34.8      | 26.3          | 28.5    | 18.2    | 9.7                            | 11.7      | 9.4           | 9.3   | 7.1  | 20 |
| 33.1  | 30.9      | 32.5          | 35.3    | 32.6    | 7.7                            | 9.3       | 8.2           | 7.1   | 6.2  | 21 |
| 17.5  | 18.3      | 17.6          | 18.5    | 14.4    | 10.7                           | 13.5      | 10.7          | 9.4   | 9.3  | 22 |
| 34.6  | 32.9      | 38.3          | 36.5    | 28.0    | 12.4                           | 15.9      | 12.0          | 11.3  | 10.4 | 23 |
| 153.3   | 126.6     | 168.4         | 179.4   | 118.4   | 6.2                            | 7.1       | 5.9           | 6.2   | 5.3  | 24 |
| 10.9  | 7.8       | 12.2          | 15.1    | 5.7     | 5.8                            | 6.6       | 6.1           | 5.7   | 4.3  | 25 |
| 13.8  | 9.4       | 15.2          | 19.7    | 7.0     | 3.9                            | 4.2       | 4.3           | 3.7   | 2.8  | 26 |
| 23.0  | 16.9      | 30.7          | 21.3    | 22.3    | 2.0                            | 1.7       | 2.0           | 2.2   | 1.8  | 27 |
| 35.0  | 27.2      | 33.8          | 48.5    | 22.6    | 8.0                            | 9.2       | 8.2           | 7.4   | 7.6  | 28 |
| 15.7  | 17.1      | 16.2          | 15.3    | 14.0    | 6.1                            | 6.3       | 6.3           | 6.0   | 5.4  | 29 |
| 213.3   | 196.1     | 229.3         | 241.6   | 161.6   | 6.9                            | 8.1       | 6.9           | 6.6   | 6.1  | 30 |
| 16.5  | 12.7      | 17.0          | 21.2    | 12.2    | 7.9                            | 10.0      | 7.9           | 7.4   | 6.6  | 31 |
| 13.8  | 8.4       | 13.2          | 22.3    | 6.5     | 5.3                            | 6.5       | 5.8           | 5.0   | 4.1  | 32 |
| 12.9  | 11.3      | 14.7          | 12.3    | 13.3    | 5.8                            | 7.0       | 5.8           | 5.7   | 5.0  | 33 |
| 22.0  | 25.9      | 24.8          | 18.1    | 20.2    | 4.9                            | 5.2       | 5.1           | 5.2   | 3.8  | 34 |
| 28.5  | 20.7      | 29.6          | 38.1    | 19.5    | 5.4                            | 6.3       | 5.7           | 4.9   | 5.1  | 35 |
| 20.7  | 21.7      | 20.7          | 22.7    | 15.8    | 9.8                            | 11.5      | 9.9           | 9.5   | 7.7  | 36 |
| 162.8   | 150.1     | 176.8         | 185.2   | 118.9   | 5.7                            | 6.0       | 5.9           | 5.7   | 5.2  | 37 |
| 13.4  | 11.7      | 13.1          | 17.0    | 9.7     | 5.3                            | 6.5       | 5.5           | 4.9   | 4.5  | 38 |
| 20.8  | 22.4      | 23.1          | 22.9    | 12.1    | 3.4                            | 3.0       | 3.4           | 3.7   | 3.2  | 39 |
| 45.8  | 55.2      | 48.9          | 42.7    | 35.5    | 2.5                            | 2.6       | 2.5           | 2.7   | 2.2  | 40 |
| 24.8  | 37.7      | 24.2          | 19.6    | 19.3    | 2.2                            | 2.0       | 2.1           | 2.6   | 1.9  | 41 |
| 27.8  | 27.7      | 31.1          | 28.0    | 22.8    | 7.6                            | 9.5       | 7.1           | 7.0   | 7.3  | 42 |
| 96.6  | 72.7      | 115.9         | 97.5    | 96.2    | 8.3                            | 10.1      | 8.5           | 7.9   | 6.9  | 43 |
| 22.3  | 17.6      | 27.9          | 20.0    | 23.7    | 9.6                            | 11.4      | 10.0          | 9.0   | 8.4  | 44 |
| 17.8  | 11.8      | 20.7          | 17.4    | 21.7    | 9.8                            | 11.8      | 10.2          | 9.9   | 7.9  | 45 |
| 15.4  | 14.8      | 19.0          | 13.4    | 14.6    | 6.1                            | 6.8       | 5.9           | 5.7   | 6.1  | 46 |
| 3.3   | 2.5       | 3.1           | 3.1     | 4.9     | 7.8                            | 8.1       | 5.8           | 9.0   | 7.9  | 47 |
| 29.8  | 24.6      | 32.6          | 33.2    | 26.3    | 4.8                            | 5.8       | 4.6           | 4.6   | 4.4  | 48 |
| 168.4   | 140.7     | 179.0         | 173.2   | 178.0   | 7.4                            | 8.8       | 7.4           | 7.4   | 6.1  | 49 |
| 54.7  | 49.1      | 59.2          | 50.8    | 61.6    | 10.5                           | 12.9      | 10.6          | 10.4  | 8.2  | 50 |
| 15.7  | 9.2       | 15.6          | 23.2    | 10.6    | 7.4                            | 9.6       | 7.3           | 7.2   | 5.7  | 51 |
| 14.3  | 15.7      | 15.9          | 12.2    | 14.0    | 5.0                            | 4.5       | 5.1           | 5.5   | 4.7  | 52 |
| 16.6  | 12.6      | 16.2          | 18.6    | 18.6    | 4.8                            | 5.6       | 4.9           | 4.7   | 4.1  | 53 |
| 199.3   | 181.6     | 208.9         | 207.0   | 193.2   | 3.7                            | 4.2       | 4.0           | 3.6   | 2.9  | 54 |
| 12.4  | 13.5      | 11.7          | 14.7    | 8.0     | 2.2                            | 2.4       | 2.2           | 2.3   | 1.7  | 55 |
| 168.9   | 150.6     | 176.0         | 176.6   | 167.3   | 3.7                            | 4.4       | 4.1           | 3.5   | 2.9  | 56 |

TABLE 16. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BED SIZE OF HOSPITAL: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. DIAGNOSTIC GROUPINGS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE                                   | ALL SIZES | 6-99 BEDS | 100-199 BEDS | 200-299 BEDS | 300-499 BEDS | 500 BEDS OR MORE |
|--|-----------|-----------|--------------|--------------|--------------|------------------|
| NUMBER OF PATIENTS DISCHARGED IN THOUSANDS   |           |           |              |              |              |                  |
| ALL CONDITIONS.....  | 36,747    | 7,020     | 6,348        | 6,493        | 8,615        | 8,270            |
| I. INFECTIOUS AND PARASITIC DISEASES.....001-139                                       | 596       | 117       | 107          | 103          | 131          | 139              |
| II. NEOPLASMS.....140-239  | 2,402     | 247       | 328          | 407          | 646          | 774              |
| MALIGNANT NEOPLASMS.....140-208  | 1,745     | 175       | 228          | 289          | 482          | 571              |
| BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239   | 656       | 72        | 100          | 118          | 164          | 203              |
| III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279 | 1,057     | 217       | 174          | 190          | 253          | 223              |
| DIABETES MELLITUS.....250  | 600       | 133       | 103          | 109          | 149          | 107              |
| IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS..280-289                            | 348       | 71        | 50           | 61           | 87           | 80               |
| V. MENTAL DISORDERS.....290-319  | 1,723     | 449       | 257          | 246          | 402          | 370              |
| PSYCHOSES.....290-299  | 512       | 86        | 76           | 68           | 142          | 140              |
| ALCOHOL DEPENDENCE SYNDROME.....303  | 439       | 213       | 53           | 47           | 74           | 52               |
| VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS 320-389                            | 1,626     | 199       | 259          | 267          | 461          | 440              |
| DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349                             | 373       | 56        | 57           | 61           | 94           | 106              |
| CATARACT.....366   | 383       | 34        | 70           | 63           | 122          | 93               |
| DISEASES OF THE EAR AND MASTOID PROCESS.....380-389                                    | 380       | 41        | 65           | 72           | 112          | 90               |
| VII. DISEASES OF THE CIRCULATORY SYSTEM.....390-459                                    | 4,907     | 988       | 861          | 877          | 1,147        | 1,034            |
| ESSENTIAL HYPERTENSION.....401   | 298       | 77        | 53           | 54           | 62           | 52               |
| HEART DISEASE.....402-429  | 3,065     | 621       | 537          | 535          | 721          | 650              |
| ACUTE MYOCARDIAL INFARCTION.....410  | 433       | 106       | 73           | 74           | 103          | 78               |
| ATHEROSCLEROTIC HEART DISEASE.....414.0  | 592       | 86        | 102          | 125          | 144          | 135              |
| OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9                                   | 714       | 163       | 124          | 112          | 165          | 149              |
| CONGESTIVE HEART FAILURE.....428.0   | 377       | 90        | 70           | 67           | 85           | 65               |
| CEREBROVASCULAR DISEASE.....430-438  | 747       | 156       | 140          | 133          | 170          | 147              |
| VIII. DISEASES OF THE RESPIRATORY SYSTEM.....460-519                                   | 3,309     | 897       | 633          | 563          | 680          | 536              |
| ACUTE BRONCHITIS AND BRONCHIOLITIS.....466   | 236       | 77        | 52           | 37           | 49           | 21               |
| OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA...460-465                   | 298       | 95        | 69           | 45           | 55           | 33               |
| CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 497       | 79        | 98           | 107          | 126          | 88               |
| PNEUMONIA, ALL FORMS.....480-486   | 756       | 274       | 137          | 108          | 134          | 103              |
| ASTHMA.....493   | 339       | 71        | 62           | 56           | 82           | 68               |
| IX. DISEASES OF THE DIGESTIVE SYSTEM.....520-579                                       | 4,604     | 1,055     | 821          | 850          | 1,030        | 847              |
| ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534                                  | 356       | 91        | 67           | 61           | 81           | 56               |
| GASTRITIS AND DUODENITIS.....535   | 298       | 110       | 55           | 54           | 45           | 33               |
| APPENDICITIS.....540-543   | 278       | 63        | 51           | 58           | 56           | 50               |
| INGUINAL HERNIA.....550  | 475       | 78        | 85           | 87           | 119          | 106              |
| NONINFECTIOUS ENTERITIS AND COLITIS.....555-558  | 616       | 184       | 117          | 101          | 131          | 83               |
| CHOLELITHIASIS.....574   | 447       | 89        | 76           | 93           | 109          | 79               |
| X. DISEASES OF THE GENITOURINARY SYSTEM.....580-629                                    | 3,514     | 588       | 669          | 670          | 811          | 777              |
| CALCULUS OF KIDNEY AND URETER.....592  | 290       | 57        | 52           | 61           | 67           | 53               |
| DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING...626                    | 450       | 69        | 94           | 83           | 102          | 102              |
| XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676          | 989       | 133       | 193          | 171          | 228          | 264              |
| ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639                     | 536       | 62        | 104          | 87           | 117          | 166              |
| XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE...680-709                            | 600       | 125       | 95           | 98           | 143          | 140              |
| XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739         | 2,086     | 361       | 341          | 398          | 487          | 499              |
| ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 481       | 68        | 69           | 86           | 130          | 128              |
| INTERVERTEBRAL DISC DISORDERS.....722  | 385       | 49        | 63           | 90           | 92           | 91               |
| XIV. CONGENITAL ANOMALIES.....740-759  | 332       | 31        | 34           | 53           | 89           | 125              |
| XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                 | 72        | 11        | 8            | 13           | 22           | 19               |
| XVI. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799                           | 644       | 130       | 113          | 115          | 134          | 152              |
| XVII. INJURY AND POISONING.....800-999   | 3,635     | 761       | 636          | 638          | 863          | 738              |
| FRACTURES, ALL SITES.....800-829   | 1,180     | 197       | 208          | 232          | 291          | 252              |
| SPRAINS AND STRAINS OF BACK (INCLUDING NECK)...846-847                                 | 339       | 114       | 77           | 48           | 54           | 46               |
| INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE)...850-854                  | 309       | 65        | 53           | 50           | 81           | 59               |
| LACERATIONS AND OPEN WOUNDS.....870-904  | 359       | 78        | 59           | 57           | 84           | 81               |
| SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 4,302     | 641       | 769          | 773          | 1,004        | 1,115            |
| PERSONS ADMITTED FOR STERILIZATION.....V25.2   | 268       | 52        | 60           | 54           | 53           | 50               |
| FEMALES WITH DELIVERIES.....V27  | 3,646     | 540       | 650          | 652          | 860          | 944              |

1/ FIRST-LISTED DIAGNOSIS FOR FEMALES WITH DELIVERIES IS V27, SHOWN UNDER "SUPPLEMENTARY CLASSIFICATIONS."

TABLE 16. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BED SIZE OF HOSPITAL: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. DIAGNOSTIC GROUPINGS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE                                   | ALL SIZES | 6-99 BEDS | 100-199 BEDS | 200-299 BEDS | 300-499 BEDS | 500 BEDS OR MORE | AVERAGE LENGTH OF STAY IN DAYS |  |  |  |  |  |
|--|-----------|-----------|--------------|--------------|--------------|------------------|--------------------------------|--|--|--|--|--|
|  |           |           |              |              |              |                  |                                |  |  |  |  |  |
| ALL CONDITIONS.....  | 7.2       | 5.9       | 6.6          | 7.2          | 7.7          | 8.1              |                                |  |  |  |  |  |
| I. INFECTIOUS AND PARASITIC DISEASES.....001-139                                       | 7.2       | 5.9       | 5.6          | 7.4          | 7.7          | 8.8              |                                |  |  |  |  |  |
| II. NEOPLASMS.....140-239  | 10.6      | 8.3       | 10.1         | 10.3         | 11.2         | 11.3             |                                |  |  |  |  |  |
| MALIGNANT NEOPLASMS.....140-208  | 12.3      | 9.6       | 12.0         | 12.1         | 12.8         | 12.9             |                                |  |  |  |  |  |
| BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239   | 6.2       | 4.9       | 5.8          | 6.0          | 6.3          | 6.7              |                                |  |  |  |  |  |
| III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279 | 9.5       | 7.4       | 8.9          | 10.3         | 10.4         | 10.3             |                                |  |  |  |  |  |
| DIABETES MELLITUS.....250  | 10.1      | 8.0       | 9.7          | 10.6         | 10.7         | 12.0             |                                |  |  |  |  |  |
| IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS..280-289                            | 7.3       | 5.7       | 6.7          | 8.0          | 7.0          | 8.7              |                                |  |  |  |  |  |
| V. MENTAL DISORDERS.....290-319  | 11.0      | 9.6       | 9.9          | 10.1         | 11.3         | 13.8             |                                |  |  |  |  |  |
| PSYCHOSES.....290-299  | 14.5      | 12.9      | 13.4         | 12.6         | 14.1         | 17.5             |                                |  |  |  |  |  |
| ALCOHOL DEPENDENCE SYNDROME.....303  | 9.3       | 9.4       | 9.8          | 9.8          | 8.3          | 9.4              |                                |  |  |  |  |  |
| VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS 320-389                            | 5.5       | 5.2       | 4.7          | 5.5          | 5.0          | 6.4              |                                |  |  |  |  |  |
| DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336, 340-349                            | 10.5      | 8.8       | 7.8          | 11.2         | 10.7         | 12.4             |                                |  |  |  |  |  |
| CATARACT.....366   | 3.8       | 3.7       | 3.9          | 4.1          | 3.5          | 4.1              |                                |  |  |  |  |  |
| DISEASES OF THE EAR AND MASTOID PROCESS.....380-389                                    | 3.0       | 3.6       | 3.4          | 2.9          | 2.6          | 3.1              |                                |  |  |  |  |  |
| VII. DISEASES OF THE CIRCULATORY SYSTEM.....390-459                                    | 9.9       | 7.8       | 9.3          | 10.5         | 10.7         | 10.9             |                                |  |  |  |  |  |
| ESSENTIAL HYPERTENSION.....401   | 6.7       | 5.7       | 6.5          | 6.4          | 7.6          | 7.5              |                                |  |  |  |  |  |
| HEART DISEASE.....402-429  | 9.6       | 7.6       | 9.0          | 10.5         | 10.2         | 10.5             |                                |  |  |  |  |  |
| ACUTE MYOCARDIAL INFARCTION.....410  | 12.6      | 10.6      | 12.5         | 14.5         | 13.0         | 13.1             |                                |  |  |  |  |  |
| ATHEROSCLEROTIC HEART DISEASE.....414.0  | 9.7       | 8.2       | 8.8          | 10.2         | 10.3         | 10.4             |                                |  |  |  |  |  |
| OTHER ISCHEMIC HEART DISEASE.....411-413, 414.1-414.9                                  | 7.7       | 5.5       | 7.1          | 7.7          | 9.0          | 9.0              |                                |  |  |  |  |  |
| CONGESTIVE HEART FAILURE.....428.0   | 10.7      | 7.9       | 9.3          | 12.6         | 12.2         | 12.1             |                                |  |  |  |  |  |
| CEREBROVASCULAR DISEASE.....430-438  | 12.4      | 9.7       | 10.9         | 13.2         | 13.8         | 14.0             |                                |  |  |  |  |  |
| VIII. DISEASES OF THE RESPIRATORY SYSTEM.....460-519                                   | 6.2       | 5.6       | 6.0          | 6.3          | 6.4          | 6.8              |                                |  |  |  |  |  |
| ACUTE BRONCHITIS AND BRONCHIOLITIS.....466   | 5.8       | 5.3       | 5.9          | 6.2          | 5.8          | 7.1              |                                |  |  |  |  |  |
| OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA...460-465                   | 3.9       | 3.4       | 3.8          | 3.7          | 4.3          | 4.6              |                                |  |  |  |  |  |
| CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 2.0       | 2.1       | 2.1          | 1.8          | 2.0          | 2.0              |                                |  |  |  |  |  |
| PNEUMONIA, ALL FORMS.....480-486   | 8.0       | 6.8       | 8.0          | 8.3          | 9.2          | 9.0              |                                |  |  |  |  |  |
| ASTHMA.....493   | 6.1       | 5.2       | 5.9          | 6.5          | 6.2          | 6.6              |                                |  |  |  |  |  |
| IX. DISEASES OF THE DIGESTIVE SYSTEM.....520-579                                       | 6.9       | 5.6       | 6.6          | 7.1          | 7.6          | 8.0              |                                |  |  |  |  |  |
| ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534                                  | 7.9       | 5.1       | 7.8          | 7.3          | 9.4          | 9.4              |                                |  |  |  |  |  |
| GASTRITIS AND DUODENITIS.....535   | 5.3       | 4.4       | 5.0          | 6.2          | 5.6          | 7.1              |                                |  |  |  |  |  |
| APPENDICITIS.....540-543   | 5.8       | 5.0       | 6.0          | 5.8          | 6.0          | 6.5              |                                |  |  |  |  |  |
| INGUINAL HERNIA.....550  | 4.9       | 4.7       | 4.8          | 5.4          | 4.8          | 5.0              |                                |  |  |  |  |  |
| NONINFECTIOUS ENTERITIS AND COLITIS.....555-558  | 5.4       | 4.3       | 4.7          | 5.5          | 5.9          | 7.9              |                                |  |  |  |  |  |
| CHOLELITHIASIS.....574   | 9.8       | 8.3       | 9.2          | 9.6          | 10.8         | 10.8             |                                |  |  |  |  |  |
| X. DISEASES OF THE GENITOURINARY SYSTEM.....580-629                                    | 5.7       | 5.2       | 5.3          | 5.8          | 6.1          | 6.2              |                                |  |  |  |  |  |
| CALCULUS OF KIDNEY AND URETER.....592  | 5.3       | 4.2       | 4.6          | 5.9          | 5.5          | 6.4              |                                |  |  |  |  |  |
| DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING...626                    | 3.4       | 3.3       | 3.1          | 3.6          | 3.3          | 3.7              |                                |  |  |  |  |  |
| XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676          | 2.5       | 2.3       | 2.1          | 2.5          | 2.8          | 2.8              |                                |  |  |  |  |  |
| ALL ABDORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639                    | 2.2       | 2.2       | 1.8          | 2.5          | 2.4          | 2.1              |                                |  |  |  |  |  |
| XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE...680-709                            | 7.6       | 6.2       | 6.9          | 7.3          | 8.1          | 9.1              |                                |  |  |  |  |  |
| XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739         | 8.3       | 6.2       | 7.3          | 8.1          | 9.1          | 9.8              |                                |  |  |  |  |  |
| ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 9.6       | 7.5       | 8.4          | 8.7          | 11.0         | 10.7             |                                |  |  |  |  |  |
| INTERVERTEBRAL DISC DISORDERS.....722  | 9.8       | 7.5       | 9.0          | 10.0         | 10.4         | 10.9             |                                |  |  |  |  |  |
| XIV. CONGENITAL ANOMALIES.....740-759  | 6.1       | 4.8       | 5.9          | 5.4          | 6.2          | 6.6              |                                |  |  |  |  |  |
| XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                 | 7.8       | 4.0       | 5.0          | 8.0          | 8.5          | 9.8              |                                |  |  |  |  |  |
| XVI. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799                           | 4.8       | 3.8       | 4.4          | 4.9          | 5.3          | 5.4              |                                |  |  |  |  |  |
| XVII. INJURY AND POISONING.....800-999   | 7.4       | 5.4       | 6.9          | 7.5          | 8.3          | 8.9              |                                |  |  |  |  |  |
| FRACTURES, ALL SITES.....800-829   | 10.5      | 8.0       | 9.7          | 10.3         | 11.9         | 11.6             |                                |  |  |  |  |  |
| SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847                               | 7.4       | 6.5       | 7.4          | 7.9          | 7.8          | 8.2              |                                |  |  |  |  |  |
| INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE)..850-854                   | 5.0       | 3.2       | 3.5          | 4.6          | 6.4          | 6.8              |                                |  |  |  |  |  |
| LACERATIONS AND OPEN WOUNDS.....870-904  | 4.8       | 3.2       | 4.5          | 4.4          | 5.2          | 6.4              |                                |  |  |  |  |  |
| SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 3.7       | 3.0       | 3.4          | 3.6          | 4.1          | 4.2              |                                |  |  |  |  |  |
| PERSONS ADMITTED FOR STERILIZATION.....V25.2   | 2.2       | 2.1       | 2.1          | 2.2          | 2.3          | 2.4              |                                |  |  |  |  |  |
| FEMALES WITH DELIVERIES.....V27  | 3.7       | 3.0       | 3.5          | 3.7          | 4.0          | 4.2              |                                |  |  |  |  |  |

TABLE 17. NUMBER OF ALL-LISTED DIAGNOSES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY DIAGNOSTIC CATEGORY AND AGE, SEX, COLOR, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL 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 |  | AGE   |                |             |             |                   |
|---------------------------------------|--|---|----------------|-------------|-------------|-------------------|
|                                       |  | 1/ ALL DIAGNOSES                            | UNDER 15 YEARS | 15-44 YEARS | 45-64 YEARS | 65 YEARS AND OVER |
|                                       |  | NUMBER OF ALL-LISTED DIAGNOSES IN THOUSANDS |                |             |             |                   |
| 01                                    | ALL CONDITIONS.....  | 86,117                                      | 6,104          | 30,232      | 21,011      | 28,771            |
| 02                                    | I. INFECTIOUS AND PARASITIC DISEASES.....001-139                                       | 1,407                                       | 305            | 474         | 276         | 352               |
| 03                                    | II. NEOPLASMS.....140-239  | 4,014                                       | 87             | 762         | 1,413       | 1,752             |
| 04                                    | MALIGNANT NEOPLASMS.....140-208  | 2,828                                       | 48             | 239         | 1,010       | 1,530             |
| 05                                    | BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239   | 1,186                                       | 40             | 523         | 402         | 221               |
| 06                                    | III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279 | 4,646                                       | 222            | 884         | 1,579       | 1,961             |
| 07                                    | DIABETES MELLITUS.....250  | 2,136                                       | 27             | 318         | 763         | 1,028             |
| 08                                    | IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289                         | 1,408                                       | 168            | 370         | 293         | 576               |
| 09                                    | V. MENTAL DISORDERS.....290-319  | 3,856                                       | 101            | 1,815       | 1,088       | 853               |
| 10                                    | PSYCHOSES.....290-299  | 844   | 5              | 398         | 209         | 232               |
| 11                                    | ALCOHOL DEPENDENCE SYNDROME.....303  | 821   | 3              | 379         | 350         | 89                |
| 12                                    | VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389                        | 3,624                                       | 647            | 713         | 858         | 1,406             |
| 13                                    | DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349                             | 1,113                                       | 97             | 273         | 262         | 481               |
| 14                                    | CATARACT.....366   | 469   | 6              | 22          | 92          | 349               |
| 15                                    | DISEASES OF THE EAR AND MASTOID PROCESS.....380-389                                    | 823   | 431            | 142         | 125         | 125               |
| 16                                    | VII. DISEASES OF THE CIRCULATORY SYSTEM.....390-459                                    | 15,559                                      | 117            | 1,179       | 4,586       | 9,678             |
| 17                                    | ESSENTIAL HYPERTENSION.....401   | 1,705                                       | 12             | 208         | 670         | 815               |
| 18                                    | HEART DISEASE.....402-429  | 9,529                                       | 68             | 519         | 2,840       | 6,102             |
| 19                                    | ACUTE MYOCARDIAL INFARCTION.....410  | 688   | 3              | 38          | 283         | 363               |
| 20                                    | ATHEROSCLEROTIC HEART DISEASE.....414.0  | 1,837                                       | 7              | 37          | 430         | 1,364             |
| 21                                    | OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9                                   | 2,116                                       | 7              | 132         | 889         | 1,087             |
| 22                                    | CONGESTIVE HEART FAILURE.....428.0   | 1,216                                       | 13             | 26          | 234         | 944               |
| 23                                    | CEREBROVASCULAR DISEASE.....430-438  | 1,625                                       | 11             | 47          | 312         | 1,255             |
| 24                                    | VIII. DISEASES OF THE RESPIRATORY SYSTEM.....460-519                                   | 6,322                                       | 1,513          | 1,323       | 1,420       | 2,066             |
| 25                                    | ACUTE BRONCHITIS AND BRONCHIOLITIS.....466   | 333   | 132            | 54          | 65          | 83                |
| 26                                    | OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-465                 | 528   | 291            | 138         | 51          | 47                |
| 27                                    | CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 614   | 412            | 194         | 7           | *1                |
| 28                                    | PNEUMONIA, ALL FORMS.....480-486   | 1,138                                       | 335            | 163         | 205         | 436               |
| 29                                    | ASTHMA.....493   | 513   | 125            | 133         | 134         | 120               |
| 30                                    | IX. DISEASES OF THE DIGESTIVE SYSTEM.....520-579                                       | 8,518                                       | 654            | 2,531       | 2,539       | 2,793             |
| 31                                    | ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534                                  | 598   | 8              | 146         | 218         | 226               |
| 32                                    | GASTRITIS AND DUODENITIS.....535   | 593   | 28             | 228         | 196         | 142               |
| 33                                    | APPENDICITIS.....540-543   | 330   | 81             | 196         | 37          | 16                |
| 34                                    | INGUINAL HERNIA.....550  | 569   | 99             | 143         | 160         | 167               |
| 35                                    | NONINFECTIOUS ENTERITIS AND COLITIS.....555-558  | 829   | 245            | 267         | 149         | 167               |
| 36                                    | CHOLELITHIASIS.....574   | 673   | 2              | 196         | 228         | 247               |
| 37                                    | X. DISEASES OF THE GENITOURINARY SYSTEM.....580-629                                    | 7,486                                       | 306            | 3,436       | 1,904       | 1,841             |
| 38                                    | CALCULUS OF KIDNEY AND URETER.....592  | 373   | 5              | 167         | 136         | 66                |
| 39                                    | DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                  | 621   | 5              | 484         | 130         | 2                 |
| 40                                    | XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676          | 5,456                                       | 25             | 5,396       | 35          | ...               |
| 41                                    | ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639                     | 570   | 6              | 561         | 2           | ...               |
| 42                                    | XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709                          | 1,247                                       | 137            | 422         | 336         | 351               |
| 43                                    | XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739         | 4,628                                       | 126            | 1,365       | 1,482       | 1,655             |
| 44                                    | ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 1,466                                       | 30             | 291         | 386         | 760               |
| 45                                    | INTERVERTEBRAL DISC DISORDERS.....722  | 516   | *1             | 227         | 213         | 74                |
| 46                                    | XIV. CONGENITAL ANOMALIES.....740-759  | 688   | 265            | 204         | 127         | 92                |
| 47                                    | XV. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                 | 138   | 134            | 2           | *1          | *1                |
| 48                                    | XVI. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799                           | 4,051                                       | 456            | 1,146       | 1,119       | 1,330             |
| 49                                    | XVII. INJURY AND POISONING.....800-999   | 6,391                                       | 712            | 3,230       | 1,213       | 1,235             |
| 50                                    | FRACTURES, ALL SITES.....800-829   | 1,680                                       | 188            | 675         | 310         | 506               |
| 51                                    | SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847                               | 526   | 8              | 324         | 145         | 49                |
| 52                                    | INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                | 406   | 104            | 219         | 43          | 40                |
| 53                                    | LACERATIONS AND OPEN WOUNDS.....870-904  | 740   | 80             | 483         | 104         | 74                |
| 54                                    | SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 6,678                                       | 128            | 4,979       | 743         | 828               |
| 55                                    | PERSONS ADMITTED FOR STERILIZATION.....V25.2   | 655   | *0             | 639         | 14          | *2                |
| 56                                    | FEMALES WITH DELIVERIES.....V27  | 3,646                                       | 13             | 3,607       | 27          | ...               |

1/ INCLUDES DISCHARGE DATA FOR WHICH COLOR WAS NOT STATED.

2/ FIRST-LISTED DIAGNOSIS FOR FEMALES WITH DELIVERIES IS V27, SHOWN UNDER "SUPPLEMENTARY CLASSIFICATIONS."



TABLE 17. NUMBER OF ALL-LISTED DIAGNOSES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY DIAGNOSTIC CATEGORY AND AGE, SEX, COLOR, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1979--CON.

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. DIAGNOSTIC GROUPINGS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| SEX   |        | COLOR  |           | GEOGRAPHIC REGION |               |        |        | BED SIZE  |              |              |              |                  |    |
|---|--------|--------|-----------|-------------------|---------------|--------|--------|-----------|--------------|--------------|--------------|------------------|----|
| MALE  | FEMALE | WHITE  | ALL OTHER | NORTH-EAST        | NORTH CENTRAL | SOUTH  | WEST   | 6-99 BEDS | 100-199 BEDS | 200-299 BEDS | 300-499 BEDS | 500 BEDS OR MORE |    |
| NUMBER OF ALL-LISTED DIAGNOSES IN THOUSANDS--CON. |        |        |           |                   |               |        |        |           |              |              |              |                  |    |
| 34,237  | 51,880 | 64,926 | 10,544    | 18,156            | 25,159        | 29,238 | 13,564 | 16,827    | 15,119       | 15,337       | 20,137       | 18,697           | 01 |
| 616   | 791    | 1,026  | 226       | 287               | 378           | 529    | 213    | 267       | 246          | 242          | 316          | 336              | 02 |
| 1,675   | 2,339  | 3,078  | 441       | 1,019             | 1,197         | 1,154  | 644    | 475       | 583          | 689          | 1,065        | 1,202            | 03 |
| 1,395   | 1,433  | 2,209  | 273       | 720               | 868           | 764    | 475    | 322       | 387          | 467          | 782          | 870              | 04 |
| 280   | 906    | 869    | 168       | 299               | 329           | 390    | 169    | 153       | 196          | 222          | 284          | 332              | 05 |
| 1,734   | 2,912  | 3,500  | 613       | 1,010             | 1,417         | 1,577  | 643    | 950       | 799          | 849          | 1,107        | 941              | 06 |
| 845   | 1,291  | 1,575  | 312       | 540               | 609           | 715    | 272    | 411       | 375          | 386          | 537          | 427              | 07 |
| 560   | 848    | 965    | 296       | 321               | 394           | 463    | 230    | 261       | 209          | 250          | 345          | 343              | 08 |
| 1,879   | 1,977  | 2,811  | 505       | 964               | 1,217         | 1,045  | 630    | 909       | 633          | 617          | 902          | 795              | 09 |
| 407   | 437    | 626    | 120       | 219               | 248           | 208    | 168    | 149       | 130          | 125          | 225          | 214              | 10 |
| 628   | 193    | 506    | 160       | 319               | 231           | 134    | 138    | 285       | 116          | 117          | 178          | 126              | 11 |
| 1,632   | 1,993  | 2,749  | 376       | 761               | 1,163         | 1,065  | 635    | 554       | 596          | 618          | 956          | 901              | 12 |
| 529   | 584    | 849    | 135       | 239               | 341           | 362    | 172    | 194       | 178          | 188          | 270          | 283              | 13 |
| 190   | 278    | 354    | 43        | 117               | 138           | 124    | 90     | 48        | 88           | 80           | 142          | 111              | 14 |
| 407   | 416    | 617    | 66        | 150               | 283           | 249    | 141    | 117       | 148          | 160          | 225          | 173              | 15 |
| 7,449   | 8,111  | 12,230 | 1,514     | 3,658             | 4,276         | 5,361  | 2,265  | 3,215     | 2,766        | 2,838        | 3,676        | 3,064            | 16 |
| 672   | 1,033  | 1,243  | 281       | 363               | 510           | 604    | 228    | 364       | 288          | 312          | 401          | 339              | 17 |
| 3,075   | 2,782  | 4,764  | 420       | 1,537             | 1,546         | 1,914  | 861    | 1,200     | 1,054        | 1,067        | 1,408        | 1,128            | 18 |
| 423   | 266    | 564    | 44        | 182               | 170           | 222    | 114    | 144       | 117          | 119          | 172          | 136              | 19 |
| 901   | 936    | 1,496  | 115       | 545               | 508           | 555    | 229    | 321       | 355          | 371          | 445          | 345              | 20 |
| 1,196   | 920    | 1,758  | 132       | 499               | 552           | 731    | 334    | 454       | 362          | 352          | 510          | 437              | 21 |
| 556   | 660    | 946    | 128       | 310               | 316           | 405    | 184    | 281       | 220          | 225          | 281          | 210              | 22 |
| 734   | 890    | 1,266  | 170       | 360               | 463           | 571    | 230    | 367       | 290          | 302          | 369          | 296              | 23 |
| 3,349   | 2,973  | 4,903  | 644       | 1,181             | 1,873         | 2,380  | 887    | 1,640     | 1,194        | 1,081        | 1,335        | 1,072            | 24 |
| 157   | 176    | 250    | 39        | 55                | 102           | 144    | 32     | 107       | 72           | 54           | 68           | 32               | 25 |
| 261   | 267    | 391    | 71        | 87                | 157           | 232    | 51     | 162       | 118          | 84           | 98           | 66               | 26 |
| 274   | 340    | 452    | 51        | 100               | 216           | 190    | 108    | 92        | 117          | 135          | 161          | 109              | 27 |
| 620   | 518    | 871    | 148       | 194               | 302           | 502    | 140    | 395       | 203          | 172          | 202          | 166              | 28 |
| 214   | 299    | 364    | 91        | 119               | 142           | 171    | 81     | 122       | 91           | 83           | 117          | 101              | 29 |
| 3,884   | 4,634  | 6,644  | 860       | 1,742             | 2,491         | 3,126  | 1,158  | 1,894     | 1,531        | 1,585        | 1,905        | 1,603            | 30 |
| 325   | 272    | 472    | 59        | 112               | 163           | 241    | 82     | 155       | 106          | 105          | 134          | 97               | 31 |
| 276   | 317    | 460    | 74        | 90                | 169           | 281    | 53     | 194       | 109          | 117          | 101          | 73               | 32 |
| 176   | 154    | 258    | 30        | 64                | 104           | 102    | 59     | 73        | 61           | 69           | 69           | 57               | 33 |
| 510   | 58     | 435    | 53        | 147               | 174           | 153    | 95     | 91        | 105          | 106          | 139          | 127              | 34 |
| 349   | 479    | 659    | 73        | 134               | 235           | 353    | 106    | 246       | 158          | 133          | 172          | 120              | 35 |
| 193   | 481    | 540    | 59        | 162               | 182           | 241    | 89     | 127       | 113          | 135          | 171          | 128              | 36 |
| 2,183   | 5,304  | 5,647  | 947       | 1,512             | 2,168         | 2,788  | 1,019  | 1,284     | 1,445        | 1,434        | 1,715        | 1,608            | 37 |
| 245   | 128    | 308    | 21        | 74                | 101           | 150    | 48     | 71        | 65           | 80           | 89           | 69               | 38 |
| ...   | 621    | 454    | 79        | 145               | 176           | 227    | 72     | 95        | 133          | 116          | 142          | 135              | 39 |
| ...   | 5,456  | 3,692  | 1,085     | 1,151             | 1,521         | 1,805  | 979    | 761       | 991          | 965          | 1,285        | 1,453            | 40 |
| ...   | 570    | 353    | 155       | 191               | 147           | 148    | 84     | 64        | 111          | 95           | 125          | 175              | 41 |
| 569   | 677    | 939    | 165       | 267               | 372           | 416    | 192    | 267       | 210          | 213          | 284          | 273              | 42 |
| 1,793   | 2,835  | 3,525  | 433       | 794               | 1,497         | 1,560  | 777    | 1,007     | 826          | 834          | 1,031        | 930              | 43 |
| 516   | 950    | 1,124  | 138       | 260               | 460           | 503    | 243    | 313       | 258          | 267          | 343          | 285              | 44 |
| 273   | 244    | 388    | 38        | 76                | 160           | 170    | 110    | 78        | 89           | 114          | 123          | 112              | 45 |
| 341   | 347    | 526    | 77        | 144               | 224           | 198    | 122    | 79        | 84           | 117          | 177          | 231              | 46 |
| 77  | 62     | 95     | 25        | 25                | 33            | 41     | 40     | 16        | 14           | 23           | 39           | 47               | 47 |
| 1,861   | 2,190  | 3,052  | 519       | 749               | 1,183         | 1,448  | 670    | 843       | 691          | 719          | 898          | 901              | 48 |
| 3,581   | 2,810  | 4,740  | 786       | 1,201             | 1,832         | 2,121  | 1,236  | 1,359     | 1,155        | 1,103        | 1,502        | 1,272            | 49 |
| 895   | 784    | 1,282  | 143       | 334               | 482           | 519    | 344    | 281       | 294          | 325          | 419          | 361              | 50 |
| 250   | 276    | 361    | 91        | 78                | 141           | 243    | 64     | 173       | 117          | 79           | 89           | 68               | 51 |
| 251   | 155    | 304    | 55        | 98                | 119           | 116    | 73     | 91        | 70           | 65           | 105          | 76               | 52 |
| 537   | 204    | 519    | 132       | 133               | 197           | 255    | 156    | 164       | 134          | 119          | 172          | 151              | 53 |
| 1,055   | 5,623  | 4,805  | 1,032     | 1,371             | 1,924         | 2,158  | 1,225  | 1,048     | 1,146        | 1,160        | 1,598        | 1,726            | 54 |
| 17  | 637    | 470    | 108       | 142               | 166           | 265    | 82     | 112       | 143          | 127          | 132          | 140              | 55 |
| ...   | 3,646  | 2,519  | 650       | 726               | 1,012         | 1,235  | 673    | 540       | 650          | 652          | 860          | 944              | 56 |

TABLE 18. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY, AGE, SEX, AND COLOR: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. GROUPINGS OF PROCEDURES BY ANATOMICAL SYSTEMS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| PROCEDURE CATEGORY AND ICD-9-CM CODE   | ALL AGES                                     |        |        |        |           | 1/ 15 YEARS AND OVER |
|--|--|--------|--------|--------|-----------|----------------------|
|  | 1/ SEX                                       |        | COLOR  |        |           |                      |
|  | BOTH SEXES                                   | MALE   | FEMALE | WHITE  | ALL OTHER |                      |
|  | NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS |        |        |        |           |                      |
| ALL PROCEDURES.....  | 29,603                                       | 11,007 | 18,596 | 22,262 | 3,508     | 27,369               |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                     | 710  | 361    | 349    | 514    | 96        | 597                  |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                   | 113  | 25     | 88     | 84     | 15        | 109                  |
| OPERATIONS ON THE EYE.....08-16  | 945  | 398    | 547    | 730    | 79        | 865                  |
| EXTRACTION OF LENS.....13.1-13.6   | 418  | 169    | 248    | 318    | 33        | 411                  |
| OPERATIONS ON THE EAR.....18-20  | 429  | 229    | 200    | 312    | 28        | 177                  |
| MYRINGOTOMY.....20.0   | 225  | 125    | 100    | 159    | 14        | 23                   |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                           | 1,667  | 821    | 846    | 1,286  | 123       | 1,166                |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 242  | 117    | 126    | 198    | 10        | 232                  |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                      | 500  | 215    | 286    | 367    | 41        | 187                  |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                 | 813  | 470    | 343    | 606    | 106       | 775                  |
| THORACENTESIS.....34.91  | 75   | 37     | 37     | 58     | 9         | 72                   |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                              | 1,196  | 723    | 473    | 953    | 126       | 1,134                |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5 | 166  | 122    | 44     | 144    | 9         | 156                  |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 298  | 195    | 103    | 248    | 23        | 274                  |
| LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5                              | 66   | 21     | 45     | 51     | 4         | 66                   |
| SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2                                   | 85   | 51     | 35     | 64     | 12        | 83                   |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                         | 329  | 155    | 174    | 250    | 41        | 308                  |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                   | 5,081  | 2,228  | 2,853  | 3,889  | 539       | 4,787                |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8         | 216  | 103    | 112    | 167    | 22        | 211                  |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                    | 311  | 162    | 149    | 246    | 25        | 232                  |
| HEMORRHOIDECTOMY.....49.43-49.46   | 166  | 83     | 84     | 124    | 17        | 166                  |
| CHOLECYSTECTOMY.....51.2   | 445  | 119    | 326    | 353    | 36        | 443                  |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 500  | 449    | 51     | 381    | 45        | 408                  |
| DIVISION OF PERITONEAL ADHESIONS.....54.5                                      | 230  | 34     | 196    | 171    | 33        | 226                  |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                     | 1,925  | 1,045  | 880    | 1,505  | 205       | 1,765                |
| DILATION OF URETHRA.....58.6   | 201  | 79     | 121    | 154    | 27        | 173                  |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                | 757  | 757    | ...    | 561    | 88        | 643                  |
| PROSTATECTOMY.....60.2-60.6  | 293  | 293    | ...    | 227    | 22        | 292                  |
| ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5                                       | 68   | 68     | ...    | 49     | 7         | 44                   |
| VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7                                | 45   | 45     | ...    | 40     | *1        | 45                   |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                              | 4,240  | ...    | 4,240  | 3,061  | 638       | 4,215                |
| OPHORECTOMY AND SALPINGO-OPHORECTOMY.....65.3-65.6                             | 447  | ...    | 447    | 326    | 64        | 445                  |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3            | 610  | ...    | 610    | 436    | 104       | 610                  |
| HYSTERECTOMY.....68.3-68.7   | 639  | ...    | 639    | 478    | 80        | 638                  |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                     | 163  | ...    | 163    | 83     | 66        | 161                  |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02          | 298  | ...    | 298    | 201    | 58        | 296                  |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                          | 935  | ...    | 935    | 684    | 118       | 931                  |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                     | 175  | ...    | 175    | 143    | 9         | 175                  |
| OBSTETRICAL PROCEDURES.....72-75   | 3,471  | ...    | 3,471  | 2,447  | 546       | 3,455                |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99                                      | 599  | ...    | 599    | 420    | 108       | 597                  |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                           | 341  | ...    | 341    | 235    | 68        | 339                  |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                             | 3,044  | 1,616  | 1,428  | 2,269  | 308       | 2,803                |
| OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6                       | 352  | 194    | 158    | 268    | 29        | 328                  |
| OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4                     | 282  | 150    | 131    | 213    | 25        | 212                  |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0 | 183  | 108    | 76     | 137    | 11        | 179                  |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                               | 155  | 110    | 45     | 117    | 9         | 151                  |
| ARTHROPLASTY OF JOINTS.....81.3-81.8   | 348  | 161    | 187    | 266    | 28        | 340                  |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                               | 1,885  | 719    | 1,166  | 1,433  | 225       | 1,748                |
| MASTECTOMY.....85.4  | 112  | 8      | 104    | 90     | 7         | 112                  |
| EXCISION OF PILONIDAL CYST OR SINUS.....86.21                                  | 59   | 28     | 31     | 45     | 7         | 58                   |
| SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7                                 | 162  | 101    | 61     | 122    | 23        | 142                  |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                  | 2,998  | 1,460  | 1,538  | 2,362  | 342       | 2,822                |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38  | 194  | 93     | 101    | 151    | 25        | 176                  |
| DIAGNOSTIC ULTRASOUND.....88.7   | 222  | 83     | 139    | 169    | 35        | 215                  |
| RADIOISOTOPE SCAN.....92.0-92.1  | 531  | 242    | 289    | 431    | 73        | 518                  |

1/ INCLUDES DISCHARGE DATA FOR WHICH COLOR WAS NOT STATED.

NOTE: SEE "MEDICAL CODING AND EDIT," APPENDIX I, FOR CODING MODIFICATIONS FOR THE NATIONAL HOSPITAL DISCHARGE SURVEY.

TABLE 19. RATE OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY, AGE, AND SEX: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. GROUPINGS OF PROCEDURES BY ANATOMICAL SYSTEMS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| PROCEDURE CATEGORY AND ICD-9-CM CODE   | ALL AGES   |          |          | 15 YEARS AND OVER |
|--|--|----------|----------|-------------------|
|  | BOTH SEXES   | MALE     | FEMALE   |                   |
|  | RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION |          |          |                   |
| ALL PROCEDURES.....  | 13,712.3   | 10,565.3 | 16,647.3 | 16,508.3          |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                     | 328.7  | 346.0    | 312.5    | 360.4             |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                   | 52.4   | 24.0     | 79.0     | 65.7              |
| OPERATIONS ON THE EYE.....08-16  | 437.8  | 382.0    | 489.9    | 521.6             |
| EXTRACTION OF LENS.....13.1-13.6   | 193.5  | 162.6    | 222.3    | 247.6             |
| OPERATIONS ON THE EAR.....18-20  | 198.8  | 220.1    | 178.9    | 107.0             |
| MYRINGOTOMY.....20.0   | 104.3  | 120.2    | 89.4     | 13.9              |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                           | 772.3  | 788.5    | 757.1    | 703.1             |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 112.2  | 112.1    | 112.4    | 139.9             |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                      | 231.8  | 206.1    | 255.7    | 113.0             |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                 | 376.8  | 451.4    | 307.2    | 467.4             |
| THORACENTESIS.....34.91  | 34.5   | 35.6     | 33.5     | 43.4              |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                              | 554.0  | 693.6    | 423.7    | 683.8             |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5 | 76.8   | 116.9    | 39.3     | 93.9              |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 138.1  | 187.5    | 92.1     | 165.3             |
| LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5                              | 30.7   | 20.3     | 40.3     | 39.8              |
| SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2                                   | 39.6   | 48.6     | 31.2     | 50.3              |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                         | 152.2  | 148.4    | 155.8    | 185.6             |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                   | 2,353.7  | 2,138.5  | 2,554.3  | 2,887.4           |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8         | 100.0  | 99.3     | 100.6    | 127.1             |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                    | 144.1  | 155.4    | 133.5    | 139.9             |
| HEMORRHOIDECTOMY.....49.43-49.46   | 77.0   | 79.3     | 74.9     | 100.1             |
| CHOLECYSTECTOMY.....51.2   | 206.2  | 114.4    | 291.9    | 267.1             |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 231.6  | 430.8    | 45.7     | 246.3             |
| DIVISION OF PERITONEAL ADHESIONS.....54.5                                      | 106.5  | 32.4     | 175.7    | 136.6             |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                     | 891.6  | 1,003.3  | 787.4    | 1,064.7           |
| DILATION OF URETHRA.....58.6   | 92.9   | 76.0     | 108.6    | 104.6             |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                | 350.6  | 726.5    | ...      | 387.8             |
| PROSTATECTOMY.....60.2-60.6  | 135.7  | 281.2    | ...      | 176.2             |
| ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5                                       | 31.5   | 65.4     | ...      | 26.5              |
| VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7                                | 20.9   | 43.4     | ...      | 27.3              |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                              | 1,963.8  | ...      | 3,795.3  | 2,542.3           |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                           | 207.1  | ...      | 400.2    | 268.5             |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3            | 282.7  | ...      | 546.4    | 367.9             |
| HYSTERECTOMY.....68.3-68.7   | 295.9  | ...      | 572.0    | 384.7             |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                     | 75.3   | ...      | 145.6    | 97.0              |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02          | 138.3  | ...      | 267.2    | 178.6             |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                          | 433.0  | ...      | 836.8    | 561.3             |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                     | 81.1   | ...      | 156.6    | 105.3             |
| OBSTETRICAL PROCEDURES.....72-75   | 1,607.6  | ...      | 3,106.9  | 2,084.0           |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99                                      | 277.5  | ...      | 536.4    | 360.3             |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                           | 157.8  | ...      | 304.9    | 204.7             |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                             | 1,410.1  | 1,551.5  | 1,278.3  | 1,690.7           |
| OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6                       | 163.1  | 185.9    | 141.8    | 197.5             |
| OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4                     | 130.4  | 144.4    | 117.4    | 128.0             |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0 | 85.0   | 103.4    | 67.8     | 108.1             |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                               | 71.8   | 105.8    | 40.0     | 91.0              |
| ARTHROPLASTY OF JOINTS.....81.3-81.8   | 161.0  | 154.6    | 167.0    | 204.9             |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                               | 873.3  | 690.4    | 1,044.0  | 1,054.6           |
| MASTECTOMY.....85.4  | 51.9   | 7.3      | 93.5     | 67.4              |
| EXCISION OF PILONIDAL CYST OR SINUS.....86.21                                  | 27.3   | 26.6     | 28.0     | 34.8              |
| SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7                                 | 74.8   | 96.6     | 54.5     | 85.7              |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                  | 1,388.6  | 1,401.0  | 1,376.9  | 1,702.2           |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38  | 89.8   | 89.1     | 90.4     | 106.2             |
| DIAGNOSTIC ULTRASOUND.....88.7   | 102.9  | 79.9     | 124.3    | 129.8             |
| RADIOISOTOPE SCAN.....92.0-92.1  | 245.8  | 232.1    | 258.6    | 312.3             |

NOTE: SEE "MEDICAL CODING AND EDIT," APPENDIX I, FOR CODING MODIFICATIONS FOR THE NATIONAL HOSPITAL DISCHARGE SURVEY.

TABLE 20. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. GROUPINGS OF PROCEDURES BY ANATOMICAL SYSTEMS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| PROCEDURE CATEGORY AND ICD-9-CM CODE   | ALL REGIONS | NORTH-EAST | NORTH CENTRAL | SOUTH | WEST  |
|--|-------------|------------|---------------|-------|-------|
| NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS                                   |             |            |               |       |       |
| ALL PROCEDURES.....  | 29,603      | 6,524      | 8,806         | 9,170 | 5,103 |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                     | 710         | 133        | 212           | 206   | 160   |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                   | 113         | 26         | 32            | 37    | 20    |
| OPERATIONS ON THE EYE.....08-16  | 945         | 211        | 310           | 247   | 177   |
| EXTRACTION OF LENS.....13.1-13.6   | 418         | 105        | 124           | 113   | 76    |
| OPERATIONS ON THE EAR.....18-20  | 429         | 80         | 159           | 111   | 80    |
| MYRINGOTOMY.....20.0   | 225         | 43         | 80            | 63    | 39    |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                           | 1,667       | 342        | 641           | 449   | 236   |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 242         | 44         | 106           | 57    | 35    |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                      | 500         | 79         | 175           | 155   | 92    |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                 | 813         | 191        | 239           | 234   | 150   |
| THORACENTESIS.....34.91  | 75          | 16         | 23            | 22    | 13    |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                              | 1,196       | 247        | 338           | 346   | 265   |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5 | 166         | 24         | 52            | 46    | 44    |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 298         | 49         | 84            | 94    | 72    |
| LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5                              | 66          | 22         | 19            | 16    | 10    |
| SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2                                   | 85          | 23         | 23            | 23    | 16    |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                         | 329         | 79         | 101           | 93    | 55    |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                   | 5,081       | 1,151      | 1,492         | 1,631 | 807   |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8         | 216         | 50         | 63            | 59    | 43    |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                    | 311         | 58         | 96            | 97    | 59    |
| HEMORRHOIDECTOMY.....49.43-49.46   | 166         | 35         | 48            | 64    | 19    |
| CHOLECYSTECTOMY.....51.2   | 445         | 109        | 118           | 151   | 67    |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 500         | 131        | 150           | 134   | 86    |
| DIVISION OF PERITONEAL ADHESIONS.....54.5                                      | 230         | 40         | 66            | 91    | 32    |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                     | 1,925       | 423        | 603           | 666   | 233   |
| DILATION OF URETHRA.....58.6   | 201         | 38         | 66            | 84    | 13    |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                | 757         | 178        | 231           | 233   | 114   |
| PROSTATECTOMY.....60.2-60.6  | 293         | 71         | 93            | 80    | 49    |
| ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5                                       | 68          | 19         | 18            | 18    | 13    |
| VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7                                | 45          | 8          | 16            | 17    | 4     |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                              | 4,240       | 1,064      | 1,138         | 1,444 | 593   |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                           | 447         | 84         | 116           | 170   | 78    |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3            | 610         | 129        | 151           | 253   | 78    |
| HYSTERECTOMY.....68.3-68.7   | 639         | 105        | 168           | 252   | 114   |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                     | 163         | 86         | 36            | 20    | 21    |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02          | 298         | 73         | 85            | 99    | 41    |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                          | 935         | 286        | 277           | 277   | 94    |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                     | 175         | 29         | 53            | 65    | 28    |
| OBSTETRICAL PROCEDURES.....72-75   | 3,471       | 698        | 1,004         | 1,100 | 668   |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99                                      | 599         | 131        | 144           | 219   | 104   |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                           | 341         | 60         | 100           | 98    | 83    |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                             | 3,044       | 543        | 996           | 881   | 624   |
| OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6                       | 352         | 69         | 96            | 105   | 81    |
| OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4                     | 282         | 63         | 85            | 79    | 55    |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0 | 183         | 24         | 54            | 64    | 41    |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                               | 155         | 27         | 53            | 39    | 36    |
| ARTHROPLASTY OF JOINTS.....81.3-81.8   | 348         | 56         | 126           | 93    | 73    |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                               | 1,885       | 397        | 570           | 621   | 298   |
| MASTECTOMY.....85.4  | 112         | 33         | 35            | 29    | 16    |
| EXCISION OF PILONIDAL CYST OR SINUS.....86.21                                  | 59          | 19         | 15            | 18    | 7     |
| SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7                                 | 162         | 32         | 48            | 52    | 30    |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                  | 2,998       | 763        | 740           | 872   | 623   |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38  | 194         | 56         | 47            | 33    | 58    |
| DIAGNOSTIC ULTRASOUND.....88.7   | 222         | 65         | 48            | 51    | 58    |
| RADIOISOTOPE SCAN.....92.0-92.1  | 531         | 215        | 83            | 123   | 109   |

NOTE: SEE "MEDICAL CODING AND EDIT," APPENDIX I, FOR CODING MODIFICATIONS FOR THE NATIONAL HOSPITAL DISCHARGE SURVEY.

TABLE 21. RATE OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. GROUPINGS OF PROCEDURES BY ANATOMICAL SYSTEMS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| PROCEDURE CATEGORY AND ICD-9-CM CODE  | ALL REGIONS | NORTH-EAST | NORTH CENTRAL | SOUTH    | WEST     |
|---|-------------|------------|---------------|----------|----------|
| RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION                                |             |            |               |          |          |
| ALL PROCEDURES.....   | 13,712.3    | 13,525.4   | 15,310.4      | 13,110.8 | 12,697.3 |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05  | 328.7       | 275.0      | 368.0         | 293.9    | 397.5    |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07  | 52.4        | 53.2       | 54.8          | 52.2     | 48.5     |
| OPERATIONS ON THE EYE.....08-16   | 437.8       | 437.4      | 539.7         | 352.5    | 441.1    |
| EXTRACTION OF LENS.....13.1-13.6  | 193.5       | 217.7      | 214.8         | 162.0    | 188.7    |
| OPERATIONS ON THE EAR.....18-20   | 198.8       | 165.9      | 276.1         | 158.3    | 198.3    |
| MYRINGOTOMY.....20.0  | 104.3       | 90.0       | 138.5         | 90.7     | 96.0     |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                                | 772.3       | 708.2      | 1,114.8       | 641.5    | 586.7    |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8   | 112.2       | 90.5       | 184.6         | 81.9     | 87.7     |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                           | 231.8       | 163.3      | 304.4         | 221.4    | 228.1    |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                      | 376.8       | 395.6      | 414.9         | 335.1    | 372.3    |
| THORACENTESIS.....34.91   | 34.5        | 33.3       | 40.5          | 31.5     | 32.6     |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                   | 554.0       | 511.6      | 587.0         | 495.0    | 660.2    |
| OPEN HEART SURGERY.....35.1-35.51, 35.53-36.2, 36.9, 37.10-37.11, 37.32-37.33, 37.5 | 76.8        | 49.7       | 89.9          | 66.3     | 108.7    |
| CARDIAC CATHETERIZATION.....37.21-37.23   | 138.1       | 100.8      | 146.4         | 134.0    | 178.4    |
| LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5                                   | 30.7        | 44.6       | 32.9          | 22.4     | 25.0     |
| SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2  | 39.6        | 47.1       | 40.3          | 33.0     | 41.0     |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                              | 152.2       | 163.9      | 175.1         | 133.7    | 137.9    |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54  | 2,353.7     | 2,386.5    | 2,593.9       | 2,332.0  | 2,008.3  |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8, 45.6-45.8             | 100.0       | 104.4      | 110.2         | 84.7     | 106.8    |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0   | 144.1       | 121.2      | 167.4         | 138.9    | 147.1    |
| HEMORRHOIDECTOMY.....49.43-49.46  | 77.0        | 73.3       | 82.9          | 92.0     | 47.1     |
| CHOLECYSTECTOMY.....51.2  | 206.2       | 227.0      | 205.2         | 215.8    | 166.1    |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1   | 231.6       | 271.4      | 260.2         | 190.9    | 213.4    |
| DIVISION OF PERITONEAL ADHESIONS.....54.5   | 106.5       | 83.8       | 114.6         | 130.8    | 80.1     |
| OPERATIONS ON THE URINARY SYSTEM.....55-59  | 891.6       | 877.2      | 1,048.9       | 951.6    | 579.2    |
| DILATION OF URETHRA.....58.6  | 92.9        | 78.6       | 114.6         | 120.4    | 31.1     |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                     | 350.6       | 368.5      | 402.1         | 333.6    | 284.8    |
| PROSTATECTOMY.....60.2-60.6   | 135.7       | 147.4      | 160.9         | 114.3    | 122.8    |
| ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5  | 31.5        | 40.4       | 31.1          | 25.9     | 31.4     |
| VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7                                     | 20.9        | 17.0       | 27.8          | 24.2     | 10.1     |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                   | 1,963.8     | 2,205.7    | 1,979.2       | 2,064.9  | 1,475.7  |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                                | 207.1       | 173.6      | 201.6         | 242.7    | 193.0    |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3                 | 282.7       | 267.0      | 262.0         | 361.6    | 194.1    |
| HYSTERECTOMY.....68.3-68.7  | 295.9       | 217.6      | 292.0         | 361.0    | 282.5    |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01, 69.51                         | 75.3        | 178.4      | 63.0          | 28.2     | 51.3     |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02               | 138.3       | 152.3      | 147.7         | 141.5    | 102.4    |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                               | 433.0       | 593.0      | 481.3         | 396.7    | 235.0    |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5  | 81.1        | 59.1       | 92.0          | 93.2     | 70.6     |
| OBSTETRICAL PROCEDURES.....72-75  | 1,607.6     | 1,447.9    | 1,745.8       | 1,572.8  | 1,662.1  |
| CESAREAN SECTION.....74.0-74.2, 74.4, 74.99   | 277.5       | 272.4      | 251.1         | 313.5    | 258.9    |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                                | 157.8       | 124.8      | 173.9         | 139.4    | 206.1    |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                                  | 1,410.1     | 1,125.1    | 1,732.0       | 1,260.2  | 1,552.5  |
| OPEN REDUCTION OF FRACTURE.....76.79, 79.2-79.3, 79.5-79.6                          | 163.1       | 144.1      | 166.8         | 150.8    | 202.0    |
| OTHER REDUCTION OF FRACTURE.....76.70, 76.78, 79.0-79.1, 79.4                       | 130.4       | 130.9      | 147.5         | 112.8    | 136.1    |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5, 81.0     | 85.0        | 50.5       | 93.9          | 91.0     | 102.9    |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                    | 71.8        | 56.3       | 92.0          | 56.2     | 88.5     |
| ARTHROPLASTY OF JOINTS.....81.3-81.8  | 161.0       | 116.1      | 218.3         | 133.3    | 181.4    |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                    | 873.3       | 822.3      | 991.2         | 887.2    | 741.9    |
| MASTECTOMY.....85.4   | 51.9        | 68.1       | 60.3          | 40.9     | 39.6     |
| EXCISION OF PILONIDAL CYST OR SINUS.....86.21                                       | 27.3        | 38.5       | 26.1          | 26.3     | 17.3     |
| SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7                                      | 74.8        | 65.7       | 84.0          | 73.8     | 74.4     |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                       | 1,388.6     | 1,581.5    | 1,286.9       | 1,246.2  | 1,550.4  |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03, 87.41, 87.71, 88.01, 88.38   | 89.8        | 115.7      | 81.7          | 46.9     | 144.8    |
| DIAGNOSTIC ULTRASOUND.....88.7  | 102.9       | 133.9      | 83.7          | 72.9     | 145.4    |
| RADIOISOTOPE SCAN.....92.0-92.1   | 245.8       | 445.7      | 144.8         | 176.3    | 271.4    |

NOTE: SEE "MEDICAL CODING AND EDIT," APPENDIX I, FOR CODING MODIFICATIONS FOR THE NATIONAL HOSPITAL DISCHARGE SURVEY.

TABLE 22. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND BED SIZE OF HOSPITAL: UNITED STATES, 1979

(DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. GROUPINGS OF PROCEDURES BY ANATOMICAL SYSTEMS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

| PROCEDURE CATEGORY AND ICD-9-CM CODE   | ALL SIZES | 6-99 BEDS | 100-199 BEDS | 200-299 BEDS | 300-499 BEDS | 500 BEDS OR MORE |
|--|-----------|-----------|--------------|--------------|--------------|------------------|
| NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS                                   |           |           |              |              |              |                  |
| ALL PROCEDURES.....  | 29,603    | 3,432     | 5,058        | 5,591        | 7,553        | 7,970            |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                     | 710       | 48        | 87           | 107          | 201          | 266              |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                   | 113       | 5         | 14           | 21           | 31           | 42               |
| OPERATIONS ON THE EYE.....08-16  | 945       | 107       | 147          | 145          | 287          | 259              |
| EXTRACTION OF LENS.....13.1-13.6   | 418       | 39        | 74           | 70           | 131          | 103              |
| OPERATIONS ON THE EAR.....18-20  | 429       | 25        | 63           | 91           | 140          | 110              |
| MYRINGOTOMY.....20.0   | 225       | 11        | 33           | 55           | 77           | 50               |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                           | 1,667     | 226       | 299          | 338          | 438          | 367              |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 242       | 38        | 43           | 52           | 51           | 58               |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                      | 500       | 82        | 101          | 109          | 120          | 88               |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                 | 813       | 43        | 114          | 145          | 225          | 287              |
| THORACENTESIS.....34.91  | 75        | 10        | 14           | 9            | 19           | 22               |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                              | 1,196     | 39        | 113          | 203          | 344          | 497              |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5 | 166       | *0        | 5            | 24           | 47           | 89               |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 298       | 5         | 17           | 47           | 85           | 144              |
| LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5                              | 66        | 8         | 9            | 16           | 20           | 13               |
| SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2                                   | 85        | *2        | 9            | 14           | 23           | 37               |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                         | 329       | 32        | 39           | 50           | 84           | 123              |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                   | 5,081     | 680       | 886          | 1,015        | 1,231        | 1,268            |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE....43.5-43.8,45.6-45.8          | 216       | 27        | 37           | 37           | 58           | 57               |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                    | 311       | 71        | 56           | 68           | 64           | 52               |
| HEMORRHOIDECTOMY.....49.43-49.46   | 166       | 30        | 33           | 33           | 38           | 32               |
| CHOLECYSTECTOMY.....51.2   | 445       | 68        | 78           | 96           | 113          | 90               |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 500       | 79        | 89           | 94           | 125          | 114              |
| DIVISION OF PERITONEAL ADHESIONS.....54.5                                      | 230       | 25        | 48           | 45           | 57           | 56               |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                     | 1,925     | 191       | 334          | 427          | 508          | 464              |
| DILATION OF URETHRA.....58.6   | 201       | 25        | 43           | 52           | 49           | 31               |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                | 757       | 94        | 125          | 159          | 197          | 182              |
| PROSTATECTOMY.....60.2-60.6  | 293       | 26        | 54           | 63           | 80           | 69               |
| ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5                                       | 68        | 8         | 10           | 14           | 18           | 17               |
| VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7                                | 45        | 8         | 5            | 13           | 10           | 9                |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                              | 4,240     | 554       | 882          | 791          | 984          | 1,029            |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                           | 447       | 57        | 97           | 89           | 95           | 109              |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3            | 610       | 102       | 133          | 119          | 123          | 133              |
| HYSTERECTOMY.....68.3-68.7   | 639       | 86        | 136          | 124          | 144          | 149              |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                     | 163       | 9         | 42           | 20           | 28           | 63               |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02          | 298       | 40        | 53           | 57           | 77           | 71               |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                          | 935       | 118       | 176          | 173          | 238          | 229              |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                     | 175       | 26        | 44           | 29           | 38           | 37               |
| OBSTETRICAL PROCEDURES.....72-75   | 3,471     | 443       | 600          | 601          | 888          | 939              |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99                                      | 599       | 64        | 111          | 101          | 145          | 179              |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                           | 341       | 49        | 50           | 60           | 89           | 92               |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                             | 3,044     | 431       | 507          | 609          | 767          | 730              |
| OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6                       | 352       | 41        | 66           | 72           | 90           | 83               |
| OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4                     | 282       | 56        | 51           | 62           | 65           | 48               |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0 | 183       | 3         | 31           | 41           | 45           | 63               |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                               | 155       | 13        | 26           | 35           | 43           | 37               |
| ARTHROPLASTY OF JOINTS.....81.3-81.8   | 348       | 48        | 51           | 69           | 92           | 89               |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                               | 1,885     | 322       | 313          | 337          | 461          | 453              |
| MASTECTOMY.....85.4  | 112       | 12        | 19           | 22           | 29           | 30               |
| EXCISION OF PILONIDAL CYST OR SINUS.....86.21                                  | 59        | 9         | 9            | 13           | 17           | 11               |
| SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7                                 | 162       | 16        | 22           | 28           | 44           | 51               |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES....87-99                   | 2,998     | 194       | 535          | 550          | 765          | 954              |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38  | 194       | *1        | 32           | 20           | 51           | 90               |
| DIAGNOSTIC ULTRASOUND.....88.7   | 222       | 9         | 31           | 39           | 54           | 90               |
| RADIOISOTOPE SCAN.....92.0-92.1  | 531       | 35        | 133          | 101          | 110          | 151              |

NOTE: SEE "MEDICAL CODING AND EDIT," APPENDIX I, FOR CODING MODIFICATIONS FOR THE NATIONAL HOSPITAL DISCHARGE SURVEY.

# Appendixes

## Contents

|  |    |
|--|----|
| I. Technical notes on methods . . . . .                                | 51 |
| Statistical design of the National Hospital Discharge Survey . . . . . | 51 |
| Data collection and processing . . . . .                               | 52 |
| Presentation of estimates . . . . .                                    | 55 |
| Reliability of estimates . . . . .                                     | 56 |
| Tests of significance . . . . .  | 57 |
| II. Definitions of certain terms used in this report . . . . .         | 62 |
| Hospitals and hospital characteristics . . . . .                       | 62 |
| Terms relating to hospitalization . . . . .                            | 62 |
| Terms relating to diagnoses . . . . .                                  | 62 |
| Terms relating to surgical and nonsurgical procedures . . . . .        | 63 |
| Demographic terms . . . . .  | 64 |

### List of appendix figures

|   |    |
|---|----|
| I. Medical abstract for the National Hospital Discharge Survey . . . . .  | 53 |
| II. Approximate relative standard errors of estimated numbers of patients discharged, or of first-listed diagnoses, and of all-listed diagnoses, by selected patient and hospital characteristics . . . . . | 58 |
| III. Approximate relative standard errors of estimated numbers of days of care, by selected patient and hospital characteristics . . . . .  | 60 |
| IV. Approximate relative standard errors of estimated numbers of procedures for patients discharged, by selected patient and hospital characteristics . . . . .   | 61 |

### List of appendix tables

|   |    |
|---|----|
| 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 . . . . .         | 51 |
| II. Distribution of short-stay hospitals in the National Hospital 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 . . . . . | 52 |
| III. Civilian noninstitutionalized population by sex, age, and geographic region: United States, July 1, 1979 . . . . .   | 56 |

# 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 newborn infants from all hospitals, as well as 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 the 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>7</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

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          |

NOTE: A list of references follows the text.

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 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



Table II. Distribution of short-stay hospitals in the National Hospital 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           |

discharge listing did not show the medical record numbers, the sample was selected by starting with a randomly selected discharge and taking every *k*th discharge thereafter.

### Data collection and processing

*Data collection.*—Depending on the study procedure agreed on with the hospital administrator, the sample selection and the transcription of information from the hospital records to abstract forms were performed 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 the NHDS during the year, this work was performed by the medical records department of the hospital. In the remaining hospitals, the work was performed by personnel of the U.S. Bureau of the Census acting for NCHS.

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

**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  
(12-13-75)

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<br/>(Mark one)</p> <p>1 <input type="checkbox"/></p> <p>2 <input type="checkbox"/></p> <p>3 <input type="checkbox"/></p> <p>4 <input type="checkbox"/></p> <p>5 <input type="checkbox"/></p> <p>6 <input type="checkbox"/></p> <p>7 <input type="checkbox"/></p> <p>8 <input type="checkbox"/></p> <p>9 <input type="checkbox"/></p> <p>10 <input type="checkbox"/></p> | <p>Other<br/>(Mark all that apply)</p> <p><input type="checkbox"/> Self-pay</p> <p><input type="checkbox"/> Workmen's Compensation</p> <p><input type="checkbox"/> Medicare</p> <p><input type="checkbox"/> Medicaid</p> <p><input type="checkbox"/> Other government payments</p> <p><input type="checkbox"/> Blue Cross</p> <p><input type="checkbox"/> Other private or commercial insurance</p> <p><input type="checkbox"/> No charge</p> <p><input type="checkbox"/> Other (Specify) _____</p> <p><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



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 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>3</sup> (ICDA), with some modifications. These modifications, which were necessary because of incomplete or ill-defined terminology in the abstracts, are presented elsewhere.<sup>4</sup> It has not been necessary, however, to modify the ICD-9-CM for use in the NHDS.

Both the ICDA and the ICD-9-CM are divided into two main sections: diseases and injuries and surgical and 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 VI (Diseases of the Nervous System and Sense Organs), XI (Complications of Pregnancy, Childbirth, and the Puerperium), XIII (Diseases of the Musculoskeletal System and Connective Tissue), and XV (Certain Conditions Originating in the Perinatal Period). In addition, many revisions have been made to parts of other classes; specifically, Class II (Neoplasms), Class VII (Diseases of the Circulatory System), Class XVII (Injury and Poisoning), and the Supplementary Classifications. 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 XVI (Symptoms, Signs, and Ill-Defined Conditions).

The entire procedure section has also been extensively restructured in the ICD-9-CM. In addition to an increase in the specificity of the procedures, revisions include the presentation of procedures by anatomical site rather than by surgical specialty as was the case with the ICDA. Moreover, biopsies and other diagnostic procedures, which had previously been grouped into one class (the "A" codes), are now reallocated among the classes according to the particular anatomical site. More types of nonsurgical diagnostic and therapeutic procedures have also been added.

Prior to 1979, data on radiotherapy and physical medicine and rehabilitation (ICDA codes R1-R4) and some obstetrical procedures were not collected by the NHDS. The obstetrical procedures not coded were artificial rupture of membranes; external, internal and combined version; outlet and low forceps delivery with and without episiotomy; and episiotomy (ICDA codes 75.0-75.6 and 75.9). In addition, data for diagnostic endoscopy, radiography, and other nonsurgical procedures (ICDA codes A4-A9 and R9), although coded, were not published. Starting with 1979 data, however, coding of procedures is done by following the guidelines of the Uniform Hospital Discharge Data Set (UHDDS).<sup>6,9</sup> The UHDDS is a minimum data set of items uniformly defined and abstracted from hospital medical records. These items were selected on the basis of their continuous utility to organizations and agencies requiring hospital inpatient information.

According to UHDDS guidelines, all procedures are allocated into one of four classes. Classes 1-3 consist of significant procedures—that is, procedures that carry an operative or anesthetic risk or require highly trained personnel, special facilities, or special equipment. Class 4 procedures are not considered significant; therefore, reporting of them is optional. Consequently, with three exceptions, Class 4 procedures are not coded by the NHDS. The Class 4 procedures that are coded are circumcision (ICD-9-CM code 64.0), episiotomy (code 73.6), and removal of intrauterine contraceptive device (code 97.71). See appendix II for the procedure codes included in these classes.

### 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 I-XVII and the Supplementary classification 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

NOTE: A list of references follows the text.

titles and the ordering of the categories in the tabular list developed for the NHDS follow the format of the ICD-9-CM tabular list as closely as possible.

The procedure groupings used in this report are the groups numbered 1-16 in the ICD-9-CM section entitled "Procedure Classification." Specific categories of operations or procedures, the most detailed of these groupings shown, are subsets of the major groups and are based on the 4-digit codes provided by the ICD-9-CM.

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 color of the patient was not identified on the hospital records, it was recorded as "not stated" for the NHDS. Because this item was not stated for 13 percent of all discharges, rates by color were not computed. Caution should be used in drawing conclusions from the data by color which 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 the NHDS are derived by a complex estimating procedure. The basic unit of estimation is the sample inpatient discharge abstract. The estimating procedure used to produce essentially unbiased national estimates in the NHDS has three principal components: inflation by reciprocals of the probabilities of sample selection, adjustment for nonresponse, and ratio adjustment to fixed totals. These components of estimation are described in appendix I of two earlier publications.<sup>10,11</sup>

*Measurement errors.*—As in any survey, results are subject to nonsampling or measurement errors, which include errors because of hospital nonresponse,

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   |

NOTE: A list of references follows the text.

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."

The Institute of Medicine (IOM) has conducted three studies on the reliability of hospital abstract data collection; the most recent study was on the NHDS. The IOM NHDS study was performed by using data coded according to the ICDA; however, some of the findings are relevant to the 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>12-14</sup>

Some nonsampling errors may exist because of mistakes in the ICD-9-CM that have not been identified. 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 included in the cataract category (ICD-9-CM code 366) were included in the congenital cataract category (743.3). This was due to an error which has been corrected in the alphabetic index of 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 percentage 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 (e.g., age, sex, color) and of hospital characteristics (e.g., 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 color 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, days of care, and procedures are provided in figures II-IV. The curves for relative standard errors of the estimates in each figure relate to the variables by which estimates are presented in this report. In these figures, several curves are 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. For example, one curve is applicable only to estimates of discharges from voluntary nonprofit hospitals, a second curve is concerned with discharges from hospitals by bed size, and a third curve pertains to estimates of days of care in proprietary hospitals.

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

### Tests of significance

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

NOTE: A list of references follows the text.

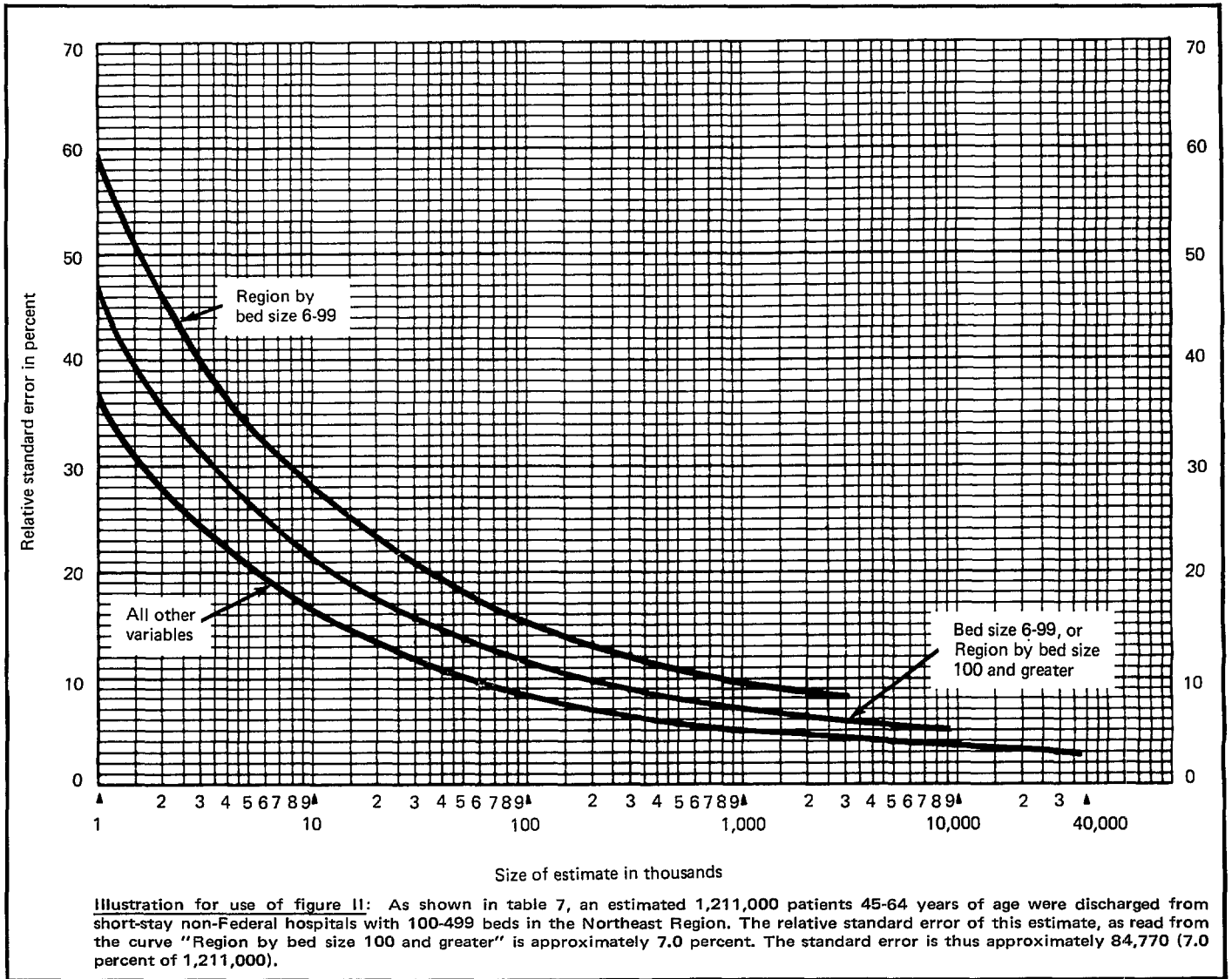


Figure II. Approximate relative standard errors of estimated numbers of patients discharged, or of first-listed diagnoses, and of all-listed diagnoses, by selected patient and hospital characteristics

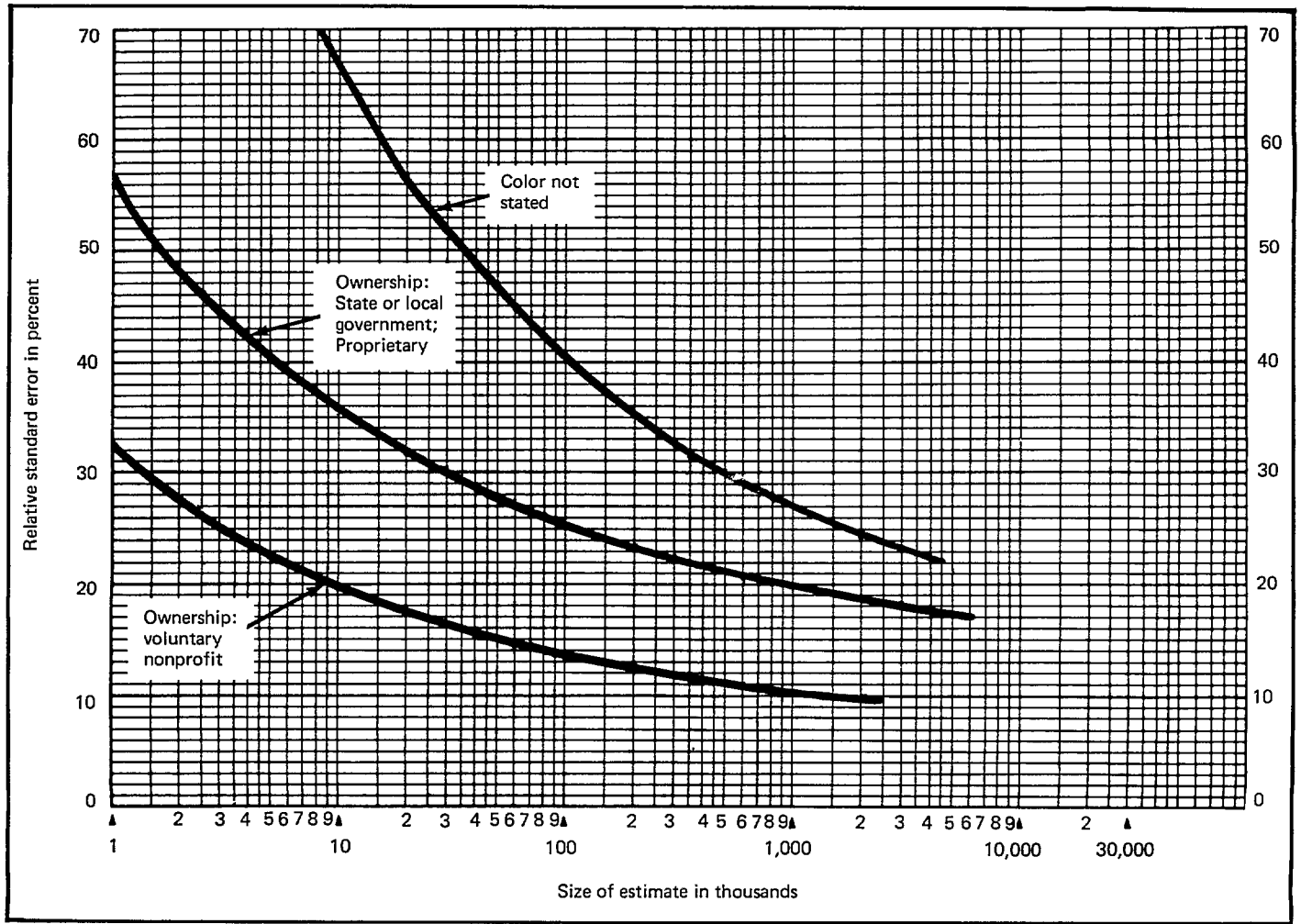


Figure II. Approximate relative standard errors of estimated numbers of patients discharged, or of first-listed diagnoses, and of all-listed diagnoses, by selected patient and hospital characteristics—Con.



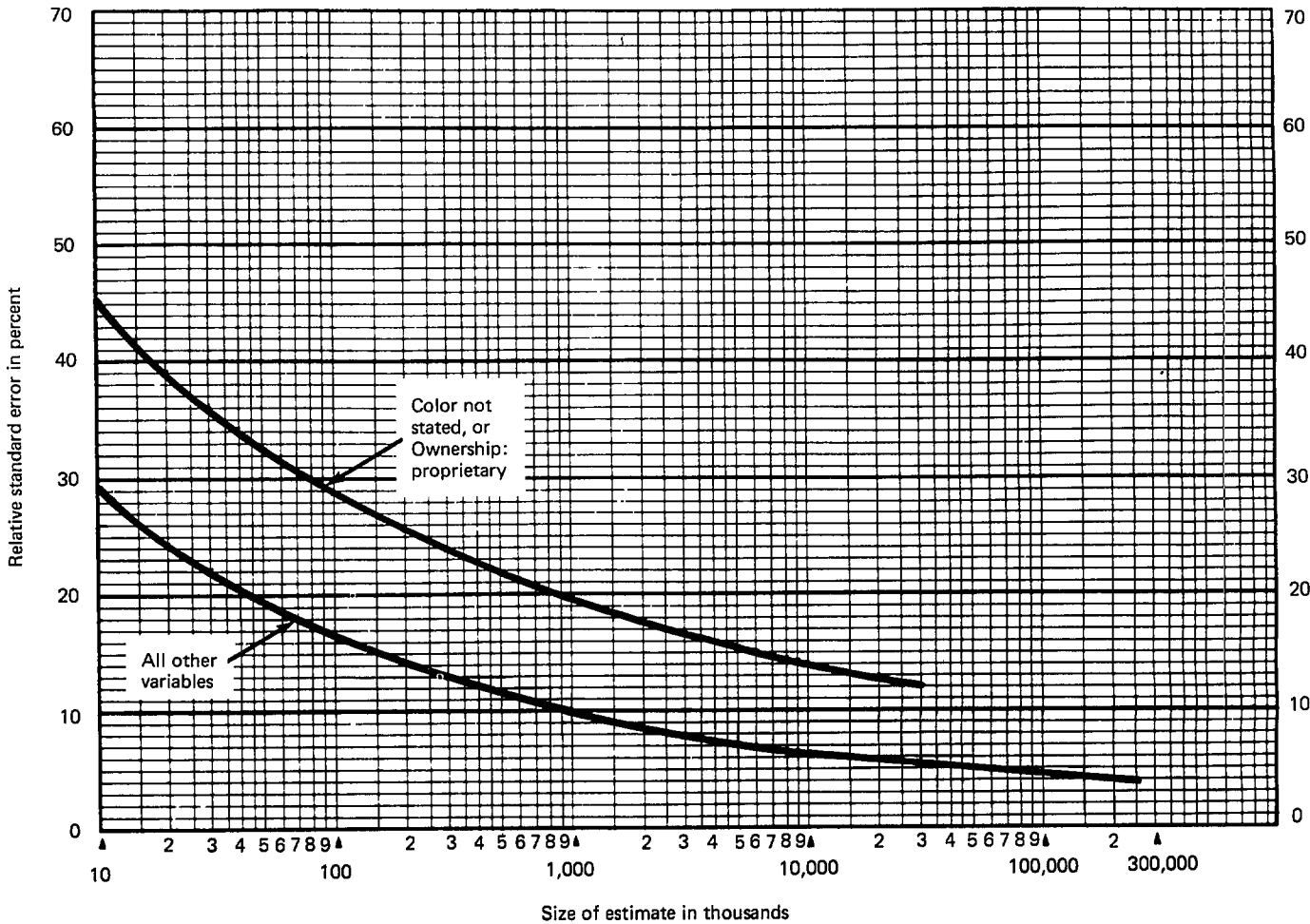
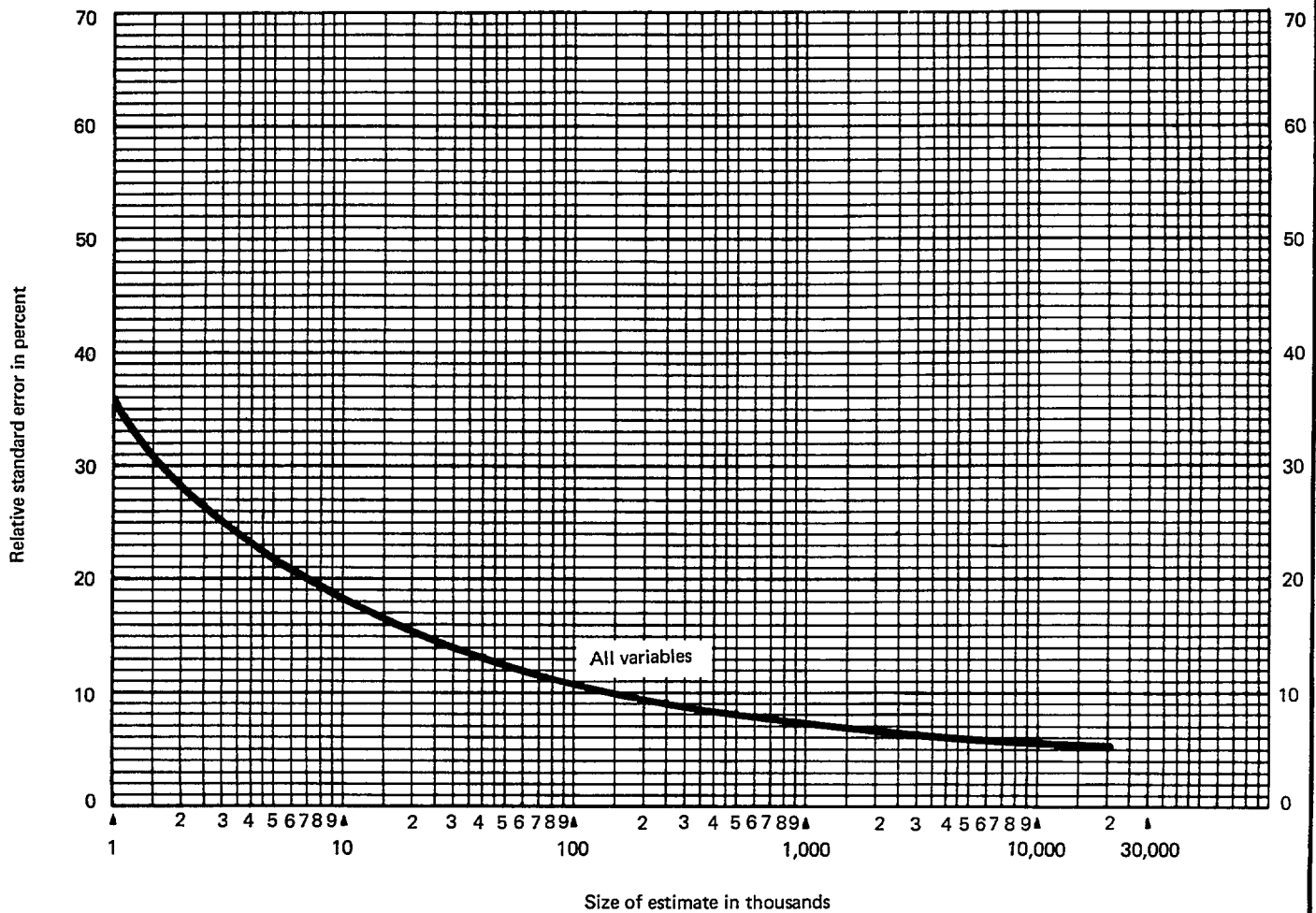


Illustration for use of figure III: As shown in table 2, an estimated 6,757,000 days of care were provided during 1979 to female patients under 15 years of age discharged from short-stay hospitals. The relative standard error of this estimate as read from the curve "All other variables" is approximately 6.8 percent. The standard error is thus approximately 459,476 (6.8 percent of 6,757,000).

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



**Illustration for use of figure IV:** As shown in table 18, an estimated 232,000 appendectomies were performed during 1979 for patients 15 years and over discharged from short-stay hospitals. The relative standard error of this estimate as read from the curve "All variables" is approximately 9.1 percent. The standard error is thus approximately 21,112 (9.1 percent of 232,000).

Figure IV. Approximate relative standard errors of estimated numbers of procedures for patients discharged, by selected patient and hospital characteristics

## Appendix II. Definitions of certain terms used in this report

### Hospitals and hospital characteristics

*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.

*Bed size of hospital.*—Size is measured by the number of beds, cribs, and pediatric bassinets regularly maintained (set up and staffed for use) for patients; bassinets for newborn infants are not included. In this report the classification of hospitals by bed size is based on the number of beds at or near midyear reported by the hospitals.

*Type of ownership of hospital.*—The type is determined by the organization that controls and operates the hospital. Hospitals are grouped as follows:

*Voluntary nonprofit.*—Hospitals operated by a church or another nonprofit organization.

*Government.*—Hospitals operated by State or local governments.

*Proprietary.*—Hospitals operated by individuals, partnerships, or corporations for profit.

### Terms relating to hospitalization

*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

*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 which 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.

*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 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.

### Terms relating to surgical and nonsurgical procedures

*Discharges with procedures.*—The estimated number of patients discharged from non-Federal short-stay hospitals during the year who underwent at least one procedure during their hospitalization are termed “discharges with procedures.”

*Procedure.*—A procedure is one or more surgical or nonsurgical operations, procedures, or special treatments assigned by the physician to the medical record of patients discharged from the inpatient service of short-stay hospitals. In the NHDS all terms listed on the face sheet (summary sheet) of the medical record under the captions “operation,” “operative procedures,” “operations and/or special treatments,” and the like are transcribed in the order listed. A maximum of four 4-digit codes are assigned per sample discharge according to ICD-9-CM and NHDS directives. (See “Medical coding and edit” in the “Data collection and processing” section of appendix I for further details.)

*All-listed procedures.*—All coded procedures that are listed on the face sheet of the medical record exclusive of all but three Class 4 procedures.

*UHDDS classes of procedures.*—Procedures are categorized into four classes according to UHDDS guidelines. Classes 1-3 consist of significant procedures—that is, procedures that carry an operative or anesthetic risk or require highly trained personnel, special facilities, or special equipment. Class 4 procedures are not considered significant; therefore, reporting is optional.

*UHDDS Class 1 procedures.*—All procedures not categorized as Class 2, 3, or 4 procedures.

*UHDDS Class 2 procedures.*—The following ICD-9-CM procedure codes identify Class 2 procedures as categorized by the UHDDS:

03.31, 03.91-03.92, 04.80-04.89, 21.01, 24.7,

31.41-31.42, 34.91-34.92, 37.92-37.93, 42.22-42.23, 44.12-44.13, 45.12-45.13, 45.22-45.24, 48.22, 50.92, 54.91, 54.97-54.98, 57.31, 58.22, 59.95, 62.91, 66.8, 69.6-69.7, 69.93, 70.0, 73.01-73.1, 73.3, 73.51-73.59, 76.96, 81.91-81.92, 82.92-82.96, 83.94-83.98, 85.91-85.92, 86.01, 87.03-87.08, 87.13-87.15, 87.31-87.35, 87.38, 87.41-87.42, 87.51-87.52, 87.54-87.66, 87.71-87.73, 87.75, 87.77-87.78, 87.81-87.84, 87.91, 87.93-87.94, 88.01-88.03, 88.12-88.15, 88.38, 88.71-88.89, 89.14, 89.21-89.25, 89.32, 89.41-89.44, 89.54, 89.61-89.65, 89.8, 92.01-92.29, 93.45-93.54, 93.56-93.59, 93.92-93.93, 93.95, 93.97, 94.24, 94.26-94.27, 95.04, 95.12-95.13, 95.16-95.26, 96.01-96.08, 96.21-96.25, 96.31-96.33, 97.11-97.13, 98.02-98.04, 98.14-98.16, 98.19, 99.01, 99.60-99.69, 99.81.

*UHDDS Class 3 procedures.*—The following ICD-9-CM procedure codes identify Class 3 procedures as categorized by the UHDDS:

29.11, 57.94-57.95, 60.19, 84.41-84.43, 84.45-84.47, 86.26, 93.98, 98.01, 98.05-98.13, 98.17-98.18, 98.20-98.29, 99.25.

*UHDDS Class 4 procedures.*—With three exceptions, Class 4 procedures are not coded by the NHDS. The Class 4 procedures that are coded are circumcision (ICD-9-CM code 64.0), episiotomy (code 73.6), and removal of intrauterine contraceptive device (code 97.71). The following ICD-9-CM procedure codes identify Class 4 procedures as categorized by the UHDDS:

01.18-01.19, 03.39, 04.19, 05.19, 06.19, 07.19, 08.19, 08.91-08.93, 09.19, 09.41-09.49, 10.29, 11.29, 12.29, 14.19, 15.09, 16.21, 16.29, 18.01, 18.11, 18.19, 20.39, 21.21, 21.29, 22.19, 24.19, 25.09, 25.91, 26.19, 27.29, 27.91, 28.19, 29.19, 31.48-31.49, 33.28-33.29, 34.28-34.29, 37.29, 38.29, 40.19, 41.38-41.39, 42.29, 44.19, 45.19, 45.28-45.29, 48.23, 48.29, 49.21, 49.29, 49.41, 50.19, 51.19, 52.19, 54.29, 55.29, 56.39, 57.39, 58.29, 59.29, 60.18, 61.19, 62.19, 63.09, 64.0, 64.19, 64.91, 64.94, 65.19, 66.19, 67.19, 68.19, 69.92, 70.21, 70.29, 71.19, 73.6, 73.91-73.92, 75.35, 76.19, 78.80-78.89, 81.98, 83.29, 85.19, 86.19, 86.92, 87.09-87.12, 87.16-87.17, 87.22-87.29, 87.36-87.37, 87.39, 87.43-87.49, 87.69, 87.79, 87.85-87.89, 87.92, 87.95-87.99, 88.09, 88.16-88.31, 88.33, 88.35, 88.37, 88.39, 89.01-89.13, 89.15-89.16, 89.26-89.31, 89.33-89.39, 89.45-89.53, 89.55-89.59, 89.66, 89.7, 90.01-91.99, 93.01-93.25, 93.27-93.28, 93.31-93.39, 93.42-93.44, 93.61-93.91, 93.94, 93.96, 93.99-94.23, 94.25, 94.29-95.03, 95.05-95.11, 95.14-95.15, 95.31-95.49, 96.09-96.19, 96.26-96.28, 96.34-97.04, 97.14-97.89, 99.02-99.24, 99.26-99.59, 99.71-99.79, 99.82-99.99.

*Surgical operations.*—All procedures exclusive of

those listed under "Nonsurgical procedures" are listed as surgical operations.

*Biopsy.*—Biopsy is excision of tissue for microscopic examination. The following ICD-9-CM biopsy codes are:

01.11-01.15, 03.32, 04.11-04.12, 05.11, 06.11-06.13, 07.11-07.17, 08.11, 09.11-09.12, 10.21, 11.22, 12.22, 15.01, 16.23, 18.12, 20.32, 21.22, 22.11, 24.11-24.12, 25.01-25.02, 26.11, 27.21-27.24, 28.11, 29.12, 31.43-31.44, 33.24-33.27, 34.23-34.27, 37.24-37.25, 38.21, 40.11, 41.31-41.33, 42.24, 44.14-44.15, 45.14-45.15, 45.25-45.27, 48.24-48.26, 49.22-49.23, 50.11-50.12, 51.12-51.13, 52.11-52.12, 54.22-54.23, 55.23-55.24, 56.32-56.33, 57.33-57.34, 58.23-58.24, 59.21, 60.11-60.15, 61.11, 62.11-62.12, 63.01, 64.11, 65.11-65.12, 66.11, 67.11-67.12, 68.13-68.14, 70.23-70.24, 71.11, 76.11, 77.40-77.49, 80.30-80.39, 83.21, 85.11-85.12, 86.11.

*Nonsurgical procedures.*—Procedures generally not considered to be surgery are listed as nonsurgical procedures. These include diagnostic endoscopy and radiography, radiotherapy and related therapies, physical medicine and rehabilitation, and other nonsurgical procedures (ICDA codes A4-A9 and R1-R9). The following ICD-9-CM codes are for diagnostic and nonsurgical procedures:

03.31, 11.21, 12.21, 14.11, 16.22, 20.31, 29.11, 31.41-31.42, 33.21-33.23, 34.21-34.22, 39.95, 42.21-42.23, 44.11-44.13, 45.11-45.13, 45.21-45.24, 48.21-48.22, 51.11, 54.21, 55.21-55.22, 56.31, 57.31-57.32, 58.21-58.22, 60.19, 68.11-68.12, 70.22, 80.20-80.29, 87.01-99.99.

*Rate of procedures.*—The ratio of the number of all-listed procedures during a year to the number of persons in the civilian noninstitutionalized population on July 1 of that year determines the rate of procedures.

### Demographic terms

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

*Color.*—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>   |
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| 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 |
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