

# VITAL & HEALTH STATISTICS

## **Utilization of Short-Stay Hospitals United States, 1983 Annual Summary**

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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 by frequency, rate, percent, and average length of stay.

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**Data From the National Health Survey  
Series 13, No. 83**

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### *Cooperation of the U.S. Bureau of the Census*

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

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

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**Symbols**

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

by Edmund J. Graves, Division of Health Care Statistics

## Introduction

This report provides national estimates on the utilization of non-Federal short-stay hospitals during 1983. 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 by the National Center for Health Statistics by means of the National Hospital Discharge Survey (NHDS), which is a continuous voluntary survey in use since 1965. The data for the survey are obtained from the face sheets of a sample of inpatient medical records that are obtained from a national sample of short-stay general and specialty hospitals located in the United States. Approximately 206,000 medical records from 553 hospitals were included in the 1983 survey. A brief description of the sample design and the sources of data can be found in appendix I. A detailed report on the design of the NHDS was published in 1970.<sup>1</sup>

Types of hospitals 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 race of the patients discharged; by expected source of payment, geographic region, bed size, and ownership of the short-stay hospitals (tables 1–6). Statistics on women with deliveries (table 7–8), conditions diagnosed (tables 9–14), and procedures performed (tables 15–22) also are shown by patient and hospital characteristics. Data for newborn infants are included only in the section “Newborn infant discharges.” Because these data are based on a sample, they may not agree with data on births published in *Vital Statistics of the United States*.

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 may be 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 NHDS, these diagnoses are excluded from this report. The conditions diagnosed and procedures performed are presented here by the major diagnostic chapters and procedure groups of the ICD–9–CM. Within these chapters and groups, some categories of diagnoses and procedures also are shown. These specific categories were selected primarily because of large frequencies or because they are of special interest. Residual categories of diagnoses and procedures, 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 NHDS 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 also is collected by another program of the National Center for Health Statistics, the National Health Interview Survey. Estimates from this survey generally are different from those of the NHDS 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 1983 an estimated 38.8 million inpatients, excluding newborn infants, were discharged from non-Federal short-stay hospitals and an estimated 268.3 million days of care were used.
- The average length of stay for patients discharged from non-Federal short-stay hospitals was 6.9 days in 1983.
- About one-half of all patients discharged during 1983 expected private insurance to pay for at least part of their hospitalization.
- Patients hospitalized during 1983 accounted for about 167 discharges and 1,155 days of care per 1,000 civilian population.
- The number of discharges was about 35 percent higher in 1983 than in 1965. However, because of the increase in the size of the population, the discharge rate was only 11 percent higher for the same period.
- Females with deliveries was the leading cause of hospitalization during 1983. Of the 38.8 million discharges during 1983, 4.0 million or 10 percent were for females with deliveries.
- The following groups of three procedures were performed during 1983 more than 1 million times: procedures to assist delivery (2.4 million), endoscopy of the digestive system (1.6 million), and biopsy (1.5 million).
- Approximately 14 percent of all patients who were hospitalized had a principal diagnosis of heart disease or malignant neoplasms, but over 50 percent of all deaths that occurred in short-stay hospitals in 1983 were the result of these two diseases.

# Utilization by patient characteristics

Table A shows the selected measures of hospital utilization for 1965, 1970, 1975, 1980, and 1983. The number of discharges was approximately 35 percent higher in 1983 than in 1965; however, the discharge rate was only 11 percent higher for the same period. Smaller increases were noted for days of care. Although the number of days of care was 19 percent higher, the rate differences were not statistically significant.

Although the rate of discharges and days of care decreased between 1965 and 1970, these differences were not significant. The decrease was due to an underestimate of hospital utilization in 1970 because new hospitals that came into the universe of hospitals were not sampled for NHDS prior to 1972.<sup>4</sup> More information on updating the universe can be found in appendix I.

The 38.8 million patients discharged from short-stay hospitals during 1983 included an estimated 15.6 million males and 23.2 million females (table 1). The rates per 1,000 population were 139 for males and 193 for females, making the rate for females about 39 percent higher than the rate for males. The number and rate of discharges always are 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 160, or only about 15 percent higher than the rate for males.

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) compared with those for younger patients (under 15 years of age) were more than five times higher for both sexes.

In 1983, male patients used an estimated 114.8 million days of care in short-stay hospitals, compared with 153.5 million days of care used by females (table 1). The rate of days of care per 1,000 population was 1,024 for males and 1,278 for females, or about 25 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 4.0 million women who were hospitalized for deliveries was only 3.6 days (table 7). This length of stay compares with an average length of stay of 7.4 days for males and 7.2 days for females who were not hospitalized for deliveries.

The annual number of days of care per 1,000 population increased about 12 times with advancing age from 323 for patients under 15 years of age to 4,004 for patients 65 years of age and over (table 1). 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 (9.7 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.

In this report, the race of patients is shown as white and all other. In 1983, 30.1 million patients were identified on the face sheets of the medical records as white and 5.2 million as all other. However, race was not reported for an additional 3.4 million patients. Estimates of number and rates of discharges, days of care, and average lengths of stay are provided. However, all of the race data should be used with caution due to the not-stated category, which for 1983 is approximately 9 percent of all discharges.

**Table A. Selected measures of hospital utilization: United States, 1965, 1970, 1975, 1980, and 1983**

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

| <i>Measure of utilization</i>  | <i>1965</i> | <i>1970</i> | <i>1975</i> | <i>1980</i> | <i>1983</i> |
|--|-------------|-------------|-------------|-------------|-------------|
| Number of patients discharged in thousands . . . . .                   | 28,792      | 29,127      | 34,043      | 37,832      | 38,783      |
| Rate of patients discharged per 1,000 population . . . . .             | 150.3       | 144.3       | 159.2       | 167.7       | 167.0       |
| Number of days of care in thousands . . . . .                          | 225,011     | 226,445     | 262,389     | 274,508     | 268,337     |
| Rate of days of care per 1,000 population . . . . .                    | 1,174.3     | 1,121.6     | 1,227.3     | 1,217.0     | 1,155.2     |
| Average length of stay in days . . . . .                               | 7.8         | 7.8         | 7.7         | 7.3         | 6.9         |
| Percent of patients with surgical and nonsurgical procedures . . . . . | 138.2       | 139.7       | 141.7       | 52.2        | 54.7        |

<sup>1</sup>Figures for 1965, 1970, and 1975 should be compared with caution to those for 1980 and 1983 because data prior to 1979 excludes nonsurgical procedures and the following obstetrical procedures: episiotomy, artificial rupture of membrane, internal version and outlet, and low forceps delivery.



The number of days of care in 1983 totaled 210.4 million for white patients, 37.5 million for all other patients, and 20.5 million for race not stated (table 2). The average length of stay was 7.0 days for white patients, 7.2 for all other patients, and 6.0 for patients with race not stated (table 2).

The expected principal source of payment for all patients discharged from short-stay hospitals is presented in table 3. The expected source of payment recorded on the face sheets of the medical record may not have been the actual source of payment. For example, a patient admitted to a hospital following an automobile accident may have cited Blue Cross as the expected source of payment when, in fact, an automobile insurance company ultimately made restitution.

Private health insurance that consists of Blue Cross and other private or commercial insurance was the expected principal source of payment for approximately 18.9 million discharges from non-Federal short-stay hospitals in 1983, about half of all discharges. Of these 18.9 million discharges, 98.7 percent were under 65 years of age. The remaining 1.3 percent were 65 years of age and over.

Medicare accounted for 12.3 million discharges (31.7 percent). As expected, 10.9 million (88.2 percent) of these were for patients 65 years and over. Together these two expected sources of payment accounted for 31.2 million discharges (80.6 percent). Even though patients expecting to pay hospital

costs through Medicare composed only 31.7 percent of all discharges, they composed 44.2 percent of all days of care. This was due to the longer hospital stay for patients 65 years and over. This is reflected in the average length of stay—Medicare patients were hospitalized an average of 9.6 days, and patients who expected private insurance to pay their hospital stays averaged 5.6 days. The longest average length of stay was noted for Medicare patients 65 years of age and over in the Northeast Region (12.1 days). However, lengths of stay of less than 5 days were noted for private insurance patients under 15 years of age in all regions and for those 15–44 years of age in the West.

During 1983 there were approximately 4.0 million discharges for women with deliveries (tables 7 and 8). Of these, 36 percent were discharged from hospitals in the South and 55 percent were discharged from hospitals with 300 beds or more. Variation in rates per 1,000 civilian population by region was insignificant, with the exception of the Northeast, which had a rate of 45.7. Rates for all other regions were about 55 per 1,000 population.

The average length of stay was longest in the Northeast Region with 4.3 days and shortest in the West at 2.8 days. The South had an average length of stay of 3.4 days, and the North Central 3.8 days.

# Utilization by hospital characteristics

Discharges from short-stay hospitals by geographic region in 1983 ranged from 6.6 million in the West Region to 13.9 million in the South Region (table 3). 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 1983 were 146 in the West, 158 in the Northeast, 177 in the South and 178 in the North Central Regions (table 5). Among the geographic regions, the North Central and South Regions had the higher discharge rates while the Northeast and West Regions had the lower discharge rates. For those under 15 years of age the West had the lowest discharge rates while for those 65 years and over the Northeast had the lowest discharge rates.

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, although the highest rates primarily were in the North Central and the Northeast Regions (tables 4 and 5). The number of days of care for the total population ranged from 38.8 million in the West to 91.1 million in the South Region: The rate per 1,000 population was 854 days in the West Region, 1,158 days in the South Region, 1,278 days in the Northeast Region, and 1,281 days in the North Central Region.

Average lengths of stay by geographic region were 5.9 days in the West, 6.6 days in the South, 7.2 days in the North Central, and 8.1 days in the Northeast (table 4).

The number of patients discharged from short-stay hospitals and days of care by sex and age of the patients and by geographic region and bed size of hospitals are shown in table 4. The percent distributions of these data are shown in table B.

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. 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 decreased from 37 percent for those in the smallest hospitals to 25 percent for those in the largest hospitals. An overall increase was found in the percent of patients aged 15–44 years from the smallest to the largest hospitals. The percent of patients

under 15 and 45–64 years of age showed no significant differences with increasing bed size.

Days of care by sex, age, and bed size of hospital were generally distributed in a fashion similar to discharges (table B). However, a smaller pattern of days of care than of discharges was recorded for patients 15–44 years of age regardless of bed size, and for patients 65 years and over, a larger percent of days of care than of discharges was recorded for all bed sizes. The differences for those aged 15–44 years were the result of short lengths of stay for females with deliveries. However, for those over 65 years of age the differences were the result of the older patients being hospitalized longer than those under 65 years of age.

The average length of stay for patients discharged from short-stay hospitals in 1983 increased steadily from 5.8 days in the smallest hospitals (6–99 beds) to 7.8 days in the largest hospitals (500 beds or more) (table B). The average length of stay was slightly longer for males than for females in all hospitals except for the smaller hospitals. However, when females who were hospitalized for deliveries are excluded, the average lengths of stay for both sexes were virtually the same except for the larger hospitals. Except for patients 15–44 years of age, the average length of stay increased as the age of the patient increased regardless of the size of the hospital.

Approximately 7 out of 10 patients in 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 1983, voluntary nonprofit hospitals provided medical care to an estimated 26.7 million patients, or 69 percent of all patients hospitalized. Hospitals operated by State and local governments cared for 8.2 million patients, or 21 percent of all discharges, and proprietary hospitals operated for profit cared for 3.9 million patients, or 10 percent of all discharges (table 6).

The estimated 268.3 million days of care utilized by patients in short-stay hospitals during 1983 were distributed by ownership of hospitals in the following manner: voluntary nonprofit, 190.4 million days, or 71 percent; government, 51.7 million days, or 19 percent; and proprietary 26.3 million days, or 10 percent. Average lengths of stay were 7.1 days in voluntary nonprofit hospitals, 6.3 days in government hospitals, and 6.8 days in proprietary hospitals.

**Table B. 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, 1983**

[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<br/>beds</i> | <i>100-199<br/>beds</i> | <i>200-299<br/>beds</i> | <i>300-499<br/>beds</i> | <i>500 beds<br/>or more</i> |
|--|---------------|------------------|----------------------|-------------------------|-------------------------|-------------------------|-----------------------------|
| Number of patients discharged in thousands |               |                  |                      |                         |                         |                         |                             |
| All patients discharged . . . . .          | 38,783        | 38,783           | 6,336                | 7,481                   | 5,990                   | 10,041                  | 8,934                       |
| Sex  |               |                  |                      |                         |                         |                         |                             |
| Percent distribution                       |               |                  |                      |                         |                         |                         |                             |
| Both sexes . . . . .                       | 38,783        | 100.0            | 100.0                | 100.0                   | 100.0                   | 100.0                   | 100.0                       |
| Male . . . . .                             | 15,573        | 40.2             | 39.8                 | 39.5                    | 41.0                    | 40.1                    | 40.5                        |
| Female including deliveries . . . . .      | 23,210        | 59.8             | 60.2                 | 60.5                    | 59.0                    | 59.9                    | 59.5                        |
| Female excluding deliveries . . . . .      | 19,234        | 49.6             | 52.0                 | 50.6                    | 49.8                    | 49.0                    | 47.6                        |
| Age  |               |                  |                      |                         |                         |                         |                             |
| All ages . . . . .                         | 38,783        | 100.0            | 100.0                | 100.0                   | 100.0                   | 100.0                   | 100.0                       |
| Under 15 years . . . . .                   | 3,654         | 9.4              | 8.6                  | 12.4                    | 8.8                     | 8.1                     | 9.4                         |
| 15-44 years . . . . .                      | 15,269        | 39.4             | 36.6                 | 39.3                    | 37.3                    | 39.7                    | 42.3                        |
| 45-64 years . . . . .                      | 8,558         | 22.1             | 21.0                 | 19.8                    | 21.5                    | 23.4                    | 23.5                        |
| 65 years and over . . . . .                | 11,302        | 29.1             | 33.8                 | 28.5                    | 32.4                    | 28.7                    | 24.7                        |
| Number of days of care in thousands        |               |                  |                      |                         |                         |                         |                             |
| All days of care . . . . .                 | 268,337       | 268,337          | 36,438               | 47,797                  | 40,806                  | 73,543                  | 69,753                      |
| Sex  |               |                  |                      |                         |                         |                         |                             |
| Percent distribution                       |               |                  |                      |                         |                         |                         |                             |
| Both sexes . . . . .                       | 268,337       | 100.0            | 100.0                | 100.0                   | 100.0                   | 100.0                   | 100.0                       |
| Male . . . . .                             | 114,827       | 42.8             | 40.7                 | 42.5                    | 42.7                    | 42.4                    | 44.5                        |
| Female including deliveries . . . . .      | 153,510       | 57.2             | 59.3                 | 57.5                    | 57.3                    | 57.6                    | 55.5                        |
| Female excluding deliveries . . . . .      | 139,393       | 51.9             | 55.1                 | 52.4                    | 52.7                    | 52.0                    | 49.5                        |
| Age  |               |                  |                      |                         |                         |                         |                             |
| All ages . . . . .                         | 268,337       | 100.0            | 100.0                | 100.0                   | 100.0                   | 100.0                   | 100.0                       |
| Under 15 years . . . . .                   | 16,682        | 6.2              | 4.7                  | 8.4                     | 5.9                     | 4.9                     | 7.1                         |
| 15-44 years . . . . .                      | 76,971        | 28.7             | 26.1                 | 29.0                    | 25.5                    | 28.9                    | 31.5                        |
| 45-64 years . . . . .                      | 65,029        | 24.2             | 21.8                 | 21.5                    | 23.4                    | 25.7                    | 26.3                        |
| 65 years and over . . . . .                | 109,655       | 40.9             | 47.4                 | 41.1                    | 45.3                    | 40.5                    | 35.0                        |
| Average length of stay in days             |               |                  |                      |                         |                         |                         |                             |
| Total . . . . .                            | 6.9           | 6.9              | 5.8                  | 6.4                     | 6.8                     | 7.3                     | 7.8                         |
| Sex  |               |                  |                      |                         |                         |                         |                             |
| Male . . . . .                             | 7.4           | 7.4              | 5.9                  | 6.9                     | 7.1                     | 7.8                     | 8.6                         |
| Female including deliveries . . . . .      | 6.6           | 6.6              | 5.7                  | 6.1                     | 6.6                     | 7.0                     | 7.3                         |
| Female excluding deliveries . . . . .      | 7.2           | 7.2              | 6.1                  | 6.6                     | 7.2                     | 7.8                     | 8.1                         |
| Age  |               |                  |                      |                         |                         |                         |                             |
| Under 15 years . . . . .                   | 4.6           | 4.6              | 3.2                  | 4.3                     | 4.6                     | 4.4                     | 5.9                         |
| 15-44 years . . . . .                      | 5.0           | 5.0              | 4.1                  | 4.7                     | 4.6                     | 5.3                     | 5.8                         |
| 45-64 years . . . . .                      | 7.6           | 7.6              | 6.0                  | 7.0                     | 7.4                     | 8.0                     | 8.7                         |
| 65 years and over . . . . .                | 9.7           | 9.7              | 8.1                  | 9.2                     | 9.5                     | 10.3                    | 11.1                        |

# Utilization by diagnosis

## First-listed diagnosis

Diseases of the circulatory system ranked first in 1983 among the ICD-9-CM diagnostic chapters as a principal or first-listed diagnosis among patients discharged from non-Federal short-stay hospitals (table 9). These conditions accounted for an estimated 5.7 million discharges. Other leading ICD-9-CM diagnostic chapters were diseases of the digestive system (4.5 million discharges); supplementary classifications, which include females with deliveries (4.5 million discharges); diseases of the respiratory system (3.6 million discharges); injury and poisoning (3.5 million discharges); and diseases of the genitourinary 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 chapters.

It should be pointed out that the estimates for first-listed acute myocardial infarction have increased substantially since 1981 because of a decision to reorder circulatory diagnoses involving acute myocardial infarction. For example, in 1981, 60 percent of acute myocardial infarction diagnoses were first-listed. In 1983, the first-listed acute myocardial infarction estimate increased to 86 percent because of reordering. The all-listed diagnoses for the 2 years were essentially the same. This change is discussed more fully in appendix I.

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 1983, including females with deliveries, are presented in table C. These categories accounted for 51 percent of all patients discharged during 1983 and include the most frequent first-listed diagnoses for each sex, age, race, 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 patients in the smallest hospitals (6-99 beds). Discussed below are the most common first-listed diagnoses for the categories not included above.

For patients under 15 years of age, the most frequent first-

listed diagnoses were acute respiratory infections, except influenza, and chronic diseases of tonsils and adenoids. Some other frequent diagnoses for these patients were diseases of the ear and mastoid process, noninfectious enteritis and colitis, fractures of all sites, asthma, and pneumonia, all forms (table 9).

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.

The most frequent first-listed diagnosis, besides deliveries, for patients other than white was heart disease. Other common diagnoses for this group included malignant neoplasms; all abortions, including ectopic and molar pregnancies; diabetes mellitus; pneumonia, all forms; fractures, all sites; and asthma.

For hospitals with 6-99 beds, the most common first-listed diagnosis was heart disease, followed by females with deliveries. Other frequent diagnoses in these hospitals were pneumonia, all forms; fractures, all sites; malignant neoplasms; and noninfectious enteritis and colitis.

The number and rate of patients discharged from short-stay hospitals and average length of stay, by ICD-9-CM diagnostic chapters and selected categories, are presented by age for 1983 in table 9. 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, intervertebral disc disorders, and sprains and strains of back (including neck). Moreover, the rates generally decreased with increasing age for the categories of chronic disease of tonsils and adenoids and disorders of menstruation and other abnormal bleeding.

The average length of stay increased with increasing age, especially for patients 15 years of age and over, for most chapters and categories of diagnoses. Overall it tended to be higher for mental disorders (especially psychosis), cerebrovascular disease, and alcohol dependence. Other average lengths of stay over 10 days were for malignant neoplasms, diseases of the central nervous system, acute myocardial infarctions, and fractures of neck of femur for patients 45 years and over, and fractures, all sites, for patients 65 years and over. Short average lengths of stay occurred for patients under 45 years with a first-listed diagnosis of chronic disease of tonsils and adenoids and for patients 15-44 years who are admitted for abortions, including ectopic and molar pregnancies, and sterilization.

**Table C. Number and rate of patients, days of care for patients discharged from short-stay hospitals, and average length of stay, by selected first-listed diagnostic categories: United States, 1983**

[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 |
|--|---------------------|---------------------------|---------------------|---------------------------|------------------------|
|  | Number in thousands | Rate per 1,000 population | Number in thousands | Rate per 1,000 population | Days                   |
| All conditions <sup>1</sup> . . . . .  | 38,783              | 167.0                     | 268,337             | 1,155.2                   | 6.9                    |
| Females with deliveries . . . . . V27  | 3,976               | 17.1                      | 14,117              | 60.8                      | 3.6                    |
| Normal deliveries <sup>2</sup> . . . . .   | 1,748               | 7.5                       | 4,849               | 20.9                      | 2.8                    |
| Complicated deliveries <sup>2</sup> . . . . .  | 2,228               | 9.6                       | 9,268               | 39.9                      | 4.2                    |
| Heart disease . . . . . 391-392.0, 393-398, 402, 404, 410-416, 420-429                                 | 3,597               | 15.5                      | 30,781              | 132.5                     | 8.6                    |
| Acute myocardial infarction . . . . . 410  | 676                 | 2.9                       | 7,377               | 31.8                      | 10.9                   |
| Atherosclerotic heart disease . . . . . 414.0  | 466                 | 2.0                       | 3,909               | 16.8                      | 8.4                    |
| Other ischemic heart disease . . . . . 411-413, 414.1-414.9  | 938                 | 4.0                       | 6,455               | 27.8                      | 6.9                    |
| Cardiac dysrhythmias . . . . . 427   | 454                 | 2.0                       | 3,254               | 14.1                      | 7.4                    |
| Congestive heart failure . . . . . 428.0   | 464                 | 2.0                       | 4,494               | 19.3                      | 9.7                    |
| Malignant neoplasms . . . . . 140-208, 230-234   | 2,065               | 8.9                       | 21,768              | 93.7                      | 10.5                   |
| Fractures, all sites . . . . . 800-829   | 1,090               | 4.7                       | 11,141              | 48.0                      | 10.2                   |
| Cerebrovascular disease . . . . . 430-438  | 859                 | 3.7                       | 10,091              | 43.4                      | 11.7                   |
| Pneumonia, all forms . . . . . 480-486   | 837                 | 3.6                       | 6,731               | 29.0                      | 8.0                    |
| Diabetes mellitus . . . . . 250  | 675                 | 2.9                       | 6,388               | 27.5                      | 9.5                    |
| Benign neoplasms and neoplasms of uncertain behavior and unspecified nature . . . . . 210-229, 235-239 | 577                 | 2.5                       | 3,634               | 15.6                      | 6.3                    |
| Cataract . . . . . 366   | 594                 | 2.6                       | 1,511               | 6.5                       | 2.5                    |
| Noninfectious enteritis and colitis . . . . . 555-556, 558   | 584                 | 2.5                       | 3,003               | 12.9                      | 5.1                    |
| Psychoses . . . . . 290-299  | 576                 | 2.5                       | 8,901               | 38.3                      | 15.4                   |
| Arthropathies and related disorders . . . . . 710-719  | 576                 | 2.5                       | 4,774               | 20.6                      | 8.3                    |
| All abortions, including ectopic and molar pregnancies . . . . . 630-639                               | 492                 | 2.1                       | 996                 | 4.3                       | 2.0                    |
| Cholelithiasis . . . . . 574   | 482                 | 2.1                       | 4,173               | 18.0                      | 8.7                    |
| Inguinal hernia . . . . . 550  | 477                 | 2.1                       | 1,954               | 8.4                       | 4.1                    |
| Intervertebral disc disorders . . . . . 722  | 473                 | 2.0                       | 3,871               | 16.7                      | 8.2                    |
| Asthma . . . . . 493   | 459                 | 2.0                       | 2,509               | 10.8                      | 5.5                    |
| Diseases of the central nervous system . . . . . 320-336, 340-349                                      | 429                 | 1.9                       | 4,496               | 19.4                      | 10.5                   |
| Chronic disease of tonsils and adenoids . . . . . 474  | 397                 | 1.7                       | 733                 | 3.2                       | 1.8                    |
| Alcohol dependence syndrome . . . . . 303  | 388                 | 1.7                       | 4,472               | 19.3                      | 11.5                   |

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

<sup>2</sup>See appendix for definition.

Data on discharges, rates of discharges, and average lengths of stay for patients discharged from short-stay hospitals by sex and race are presented by diagnostic chapters and selected categories of first-listed diagnosis in table 10.

Rates of discharges per 10,000 population were similar for the two sexes for most of the diagnostic chapters and categories shown. However, males had significantly higher rates than females for the categories of alcohol dependence syndrome, acute myocardial infarction, other ischemic heart disease, inguinal hernia, calculus of kidney and ureter, intracranial injuries (excluding those with skull fracture), and lacerations and open wounds. For females, higher rates occurred for the categories of benign neoplasms and neoplasms of uncertain behavior and unspecified nature, diabetes mellitus, cataract, noninfectious enteritis and colitis, cholelithiasis, arthropathies and related disorders, and persons admitted for sterilization.

Seventy-eight percent of all patients discharged were white, 13 percent were all other races (including black) and 9 percent did not state race in the medical record. However, the racial distribution of patients for some diagnostic categories was significantly different from that of all patients. For example, the percents were higher for white patients discharged with a first-

listed diagnosis of acute myocardial infarction (87 percent) and atherosclerotic heart disease (86 percent). It was lower for patients with a diagnosis of alcohol dependence (61 percent), abortions and ectopic and molar pregnancies (63 percent), and anemias (65 percent). For all other races it was higher for anemias (29 percent), and abortions and ectopic and molar pregnancies (29 percent).

Information on patients discharged from short-stay hospitals by geographic region is shown in table 11. The number of discharges ranged from 13.9 million in the South Region to 6.6 million in the West Region. The North Central Region had 10.5 million discharges while the Northeast Region had 7.8 million discharges. The South Region had the largest number of discharges for most categories. One major exception to this was for mental disorders where the number of discharges was 557,000 for the North Central Region and only 471,000 for the South Region. In 1983, the number of discharges per 1,000 population was 146 in the West Region, 158 in the Northeast Region, 177 in the South Region, and 178 in the North Central Region. The diagnostic categories for which variations in the rates were the largest were malignant neoplasms, alcohol dependence syndrome, heart disease, and females with deliveries.

Average length of stay ranged from 8.1 days in the Northeast Region to 5.9 days in the West Region. The North Central Region had 7.2 days while the South Region had 6.6 days. The average length of stay was longest in the Northeast Region for most categories. However, one notable exception was mental disorders, where the average length of stay was 13.8 days in the North Central Region and 12.4 days in the Northeast Region.

During 1983, the number of patients discharged from short-stay hospitals and the average lengths of stay are shown by bed size of hospital and diagnostic category in tables 12 and 13, respectively. Females with deliveries, and heart disease ranked as the highest categories for first-listed diagnosis in hospitals of all sizes.

The proportions of some diagnostic conditions treated in hospitals varied according to the size of the hospital. Greater proportions of patients were treated in the smallest hospitals (6-99 beds) for diseases of the respiratory system (table D). On the other hand, greater proportions of discharges were from the largest hospitals (500 beds or more) for neoplasms, complications of pregnancy, childbirth and the puerperium, congenital anomalies, certain conditions originating in the perinatal period, and supplemental classifications.

For the most part, the average length of stay for the diagnostic chapters 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. An exception to this occurred for the diagnostic category alcohol dependence syndrome. For this diagnosis, the longest average lengths of stay were in hospitals with 100-199 beds (15.5 days).

## All-listed diagnoses

An estimated 102.0 million diagnoses were recorded for the 38.8 million inpatients of non-Federal short-stay hospitals in 1983 (table 14) for an average of 2.6 diagnoses per discharged patient. The average number of diagnoses per discharge increased from years prior to 1979 because of changes that were made in the way data are tabulated. Starting in 1979, up to seven diagnoses per discharge now are coded and tabulated on the NHDS data file; prior to that time, up to five diagnoses were coded. In addition, the ICD-9-CM, which is the classification scheme used for coding medical data since 1979, has inherent in it a certain amount of "double coding"; 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; and so forth); however, this was not the case prior to 1979.

The average number of diagnoses per discharge varied only slightly by sex and race of the patient and by region and bed size of the hospital. For each of these categories, the average was 2.4-2.8 diagnoses per patient. 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 1.8, 2.1, 2.7, and 3.5, respectively.

Diseases of the circulatory system ranked first among the ICD-9-CM diagnostic chapters for all-listed diagnoses, with 19.6 million diagnoses. This was followed by diseases of the digestive system (9.2 million); supplementary classifications (8.3 million); diseases of the genitourinary system (7.7 million); and diseases of the respiratory system (7.6 million). These 5 ICD-9-CM chapters accounted for approximately 51 percent of all-listed diagnoses in 1983.

Table D. Percent distribution of patients discharged from short-stay hospitals by bed size of hospital, according to diagnostic chapter: United States, 1983

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

| Diagnosis chapter and ICD-9-CM code   | All sizes | 6-99 beds | 100-199 beds | 200-299 beds | 300-399 beds | 500 beds or more |
|---|-----------|-----------|--------------|--------------|--------------|------------------|
|   |           |           |              |              |              |                  |
| All conditions <sup>1</sup> . . . . .   | 100.0     | 16.3      | 19.3         | 15.4         | 25.9         | 23.0             |
| Infectious and parasitic diseases . . . . . 001-139                                       | 100.0     | 17.5      | 22.5         | 14.7         | 24.4         | 20.9             |
| Neoplasms . . . . . 140-239   | 100.0     | 8.1       | 14.0         | 14.4         | 30.3         | 33.3             |
| Endocrine, nutritional and metabolic diseases and immunity disorders . . . . . 240-279    | 100.0     | 21.1      | 18.8         | 15.5         | 24.8         | 19.8             |
| Diseases of the blood and blood-forming organs . . . . . 280-289                          | 100.0     | 17.9      | 18.0         | 17.1         | 24.3         | 22.7             |
| Mental disorders . . . . . 290-315  | 100.0     | 18.8      | 18.9         | 10.9         | 29.9         | 21.6             |
| Diseases of the nervous system and sense organs . . . . . 320-389                         | 100.0     | 10.4      | 19.9         | 15.8         | 27.5         | 26.4             |
| Diseases of the circulatory system . . . . . 390-459                                      | 100.0     | 16.9      | 17.7         | 17.4         | 26.0         | 21.9             |
| Diseases of the respiratory system . . . . . 460-519                                      | 100.0     | 23.1      | 22.0         | 15.6         | 22.6         | 16.7             |
| Diseases of the digestive system . . . . . 520-579  | 100.0     | 20.1      | 20.3         | 16.8         | 23.9         | 18.9             |
| Diseases of the genitourinary system . . . . . 580-629                                    | 100.0     | 14.9      | 21.2         | 15.5         | 26.0         | 22.4             |
| Complications of pregnancy, childbirth, and the puerperium <sup>1</sup> . . . . . 630-676 | 100.0     | 13.3      | 18.3         | 13.9         | 26.2         | 28.4             |
| Diseases of the skin and subcutaneous tissue . . . . . 680-709                            | 100.0     | 19.6      | 18.4         | 14.7         | 24.5         | 22.8             |
| Diseases of the musculoskeletal system and connective tissue . . . . . 710-739            | 100.0     | 16.4      | 19.1         | 15.8         | 25.3         | 23.4             |
| Congenital anomalies . . . . . 740-759  | 100.0     | 8.3       | 20.1         | 11.8         | 23.9         | 35.8             |
| Certain conditions originating in the perinatal period . . . . . 760-779                  | 100.0     | 6.0       | 20.5         | 15.2         | 24.6         | 33.9             |
| Symptoms, signs, and ill-defined conditions . . . . . 780-799                             | 100.0     | 16.1      | 19.9         | 16.5         | 24.6         | 22.8             |
| Injury and poisoning . . . . . 800-999  | 100.0     | 17.0      | 20.6         | 15.9         | 25.4         | 21.1             |
| Supplementary classifications . . . . . V01-V82   | 100.0     | 13.2      | 18.6         | 13.8         | 27.4         | 27.1             |

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

# Utilization by procedures

One or more procedures were performed for an estimated 21.2 million of the 38.8 million inpatients discharged from short-stay hospitals during 1983. A total of 35.9 million procedures, or an average of 1.7 per patient who underwent at least one procedure, were recorded in 1983 (table 15).

These figures are higher than those reported prior to 1979 because changes were made in the tabulation and coding of data for the NHDS that resulted in the reporting of a greater number of procedures. Beginning in 1979 more procedures, both in number per patient and in type of procedure, were coded. Specifically, starting 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. (See appendix I under the section entitled "Medical coding and edit" and appendix II under the section entitled "Terms relating to surgical and nonsurgical procedures" for more information on the differences between coding the ICDA and the ICD-9-CM.)

The number and percent of patients with surgical and nonsurgical procedures in 1983 and the number and percent of patients with at least one surgical procedure are shown in

**Table E. Number of patients discharged from short-stay hospitals with and without procedures and percent with procedures, by selected characteristics of patients: United States, 1983**

[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> |
|                      | Number in thousands     |                             | Percent                  |  |              |  |
| All patients         | 38,783                  | 17,567                      | 21,216                   | 17,488   | 54.7         | 45.1   |
| Age                  |                         |                             |                          |  |              |  |
| Under 15 years       | 3,654                   | 2,109                       | 1,545                    | 1,296  | 42.3         | 35.5   |
| 15-44 years          | 15,269                  | 5,631                       | 9,638                    | 8,575  | 63.4         | 56.2   |
| 45-64 years          | 8,558                   | 3,828                       | 4,731                    | 3,652  | 55.3         | 42.7   |
| 65 years and over    | 11,302                  | 6,000                       | 5,302                    | 3,965  | 46.9         | 35.1   |
| Sex                  |                         |                             |                          |  |              |  |
| Male                 | 15,573                  | 7,569                       | 8,004                    | 6,266  | 51.4         | 40.2   |
| Female               | 23,210                  | 9,998                       | 13,211                   | 11,222   | 56.9         | 48.4   |
| Race                 |                         |                             |                          |  |              |  |
| White                | 30,106                  | 13,628                      | 16,478                   | 13,527   | 54.7         | 44.9   |
| All other            | 5,235                   | 2,468                       | 2,767                    | 2,251  | 52.9         | 43.0   |
| Not stated           | 3,441                   | 1,471                       | 1,970                    | 1,710  | 57.2         | 49.7   |
| Geographic region    |                         |                             |                          |  |              |  |
| Northeast            | 7,793                   | 3,305                       | 4,488                    | 3,557  | 57.6         | 45.7   |
| North Central        | 10,492                  | 4,679                       | 5,813                    | 4,776  | 55.4         | 45.5   |
| South                | 13,884                  | 6,919                       | 6,964                    | 5,874  | 50.2         | 42.3   |
| West                 | 6,614                   | 2,663                       | 3,950                    | 3,281  | 59.7         | 49.6   |
| Bed size of hospital |                         |                             |                          |  |              |  |
| 6-99 beds            | 6,336                   | 4,110                       | 2,225                    | 1,920  | 35.1         | 30.3   |
| 100-199 beds         | 7,481                   | 3,628                       | 3,854                    | 3,195  | 51.5         | 42.7   |
| 200-299 beds         | 5,990                   | 2,583                       | 3,407                    | 2,735  | 56.9         | 45.7   |
| 300-499 beds         | 10,041                  | 4,161                       | 5,880                    | 4,870  | 58.6         | 48.5   |
| 500 beds or more     | 8,934                   | 3,085                       | 5,850                    | 4,767  | 65.5         | 53.4   |

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

table E. About 55 percent 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 (63 percent). Women had more procedures than men (57 percent compared with 51 percent), primarily because of those relating to childbirth. The proportion of patients with one or more procedures increased with the size of the hospital, from 35 percent in hospitals with 6–99 beds to about 66 percent in hospitals with 500 beds or more.

Approximately 55 percent of the patients with procedures had only one operation or nonsurgical procedure during their hospitalization (table F). About 28 percent of the patients had two procedures, about 10 percent had three, and about 7 percent had four or more. By age, patients under 15 years of age had the lowest proportion of multiple procedures (35 percent) and those 45–64 and 65 years of age and over had the largest proportion (51 and 53 percent, respectively). About 41 percent of the patients discharged from the smallest hospitals had more than one procedure; about 45 percent of the patients discharged from hospitals of all other sizes had two or more procedures during their hospitalization.

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.

Miscellaneous diagnostic and therapeutic procedures (6.3 million) ranked first among the surgical and nonsurgical procedures performed during 1983. Other leading ICD–9–CM groups were operations on the digestive system (5.9 million), obstetrical procedures (3.9 million), operations on the female genital organs (3.9 million), and operations on the musculo-skeletal system (3.8 million). About two-thirds of the procedures performed in 1983 were included in these five major groups.

The number and rate of all-listed procedures in 1983 by selected ICD–9–CM categories are shown in table G. 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 that were not published by the NHDS prior to 1979, such as endoscopy on the digestive system, endoscopy of the urinary

**Table F. Percent distribution of patients discharged from short-stay hospitals by number of procedures, according to selected characteristics of patients: United States, 1983**

[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                                   | 55.0                 | 27.6         | 10.3         | 7.1                               |
| Age                         |   |                      |              |              |                                   |
| Under 15 years . . . . .    | 100.0                                   | 64.6                 | 26.1         | 5.7          | 3.6                               |
| 15–44 years . . . . .       | 100.0                                   | 60.9                 | 25.4         | 8.8          | 5.0                               |
| 45–64 years . . . . .       | 100.0                                   | 49.0                 | 28.9         | 12.9         | 9.1                               |
| 65 years and over . . . . . | 100.0                                   | 46.9                 | 31.1         | 12.1         | 10.0                              |
| Sex                         |   |                      |              |              |                                   |
| Male . . . . .              | 100.0                                   | 52.6                 | 28.1         | 11.1         | 8.2                               |
| Female . . . . .            | 100.0                                   | 56.4                 | 27.4         | 9.8          | 6.4                               |
| Race                        |   |                      |              |              |                                   |
| White . . . . .             | 100.0                                   | 54.1                 | 28.0         | 10.6         | 7.3                               |
| All other . . . . .         | 100.0                                   | 58.3                 | 25.5         | 9.1          | 7.1                               |
| Not stated . . . . .        | 100.0                                   | 57.6                 | 27.9         | 9.1          | 5.4                               |
| Geographic region           |   |                      |              |              |                                   |
| Northeast . . . . .         | 100.0                                   | 56.2                 | 26.9         | 9.5          | 7.5                               |
| North Central . . . . .     | 100.0                                   | 52.8                 | 27.5         | 11.2         | 8.5                               |
| South . . . . .             | 100.0                                   | 55.2                 | 28.3         | 10.4         | 6.2                               |
| West . . . . .              | 100.0                                   | 56.7                 | 27.5         | 9.8          | 6.1                               |
| Bed size of hospital        |   |                      |              |              |                                   |
| 6–99 beds . . . . .         | 100.0                                   | 59.2                 | 25.5         | 9.1          | 6.1                               |
| 100–199 beds . . . . .      | 100.0                                   | 54.2                 | 28.4         | 10.0         | 7.1                               |
| 200–299 beds . . . . .      | 100.0                                   | 54.0                 | 28.9         | 10.7         | 6.3                               |
| 300–499 beds . . . . .      | 100.0                                   | 55.6                 | 27.6         | 10.1         | 6.6                               |
| 500 beds or more . . . . .  | 100.0                                   | 53.7                 | 27.3         | 10.9         | 8.2                               |

<sup>1</sup>A maximum of 4 procedures was coded for each patient discharged.



system through natural orifice, arteriography and angiocardigraphy using contrast material, and radioisotope scan. Over one-half million of each of these procedures were performed during 1983.

Data for the more traditional leading surgical operations are shown in table G. Some of the most frequently performed surgeries, of which 500,000 or more were performed in 1983, included cesarean section, excision or destruction of lesion or tissue of skin or subcutaneous tissue, hysterectomy, diagnostic dilation and curettage of uterus, extraction of lens, bilateral destruction or occlusion of fallopian tubes, insertion of prosthetic lens, and repair of inguinal hernia.

The estimated 35.9 million procedures performed in 1983 are presented for the ICD-9-CM major groups and selected categories by age, sex, race, and region in tables 15, 17, 19, and 20, respectively. The corresponding rates by age, sex, and region are shown in tables 16, 18, and 21, respectively.

Of the 35.9 million procedures performed during 1983, 42 percent were performed on patients 15-44 years of age, while only 6 percent were performed on patients under 15 years of age. The most common procedures performed on patients under 15 years was tonsillectomy with or without adenoidectomy, and for those 15-44 years of age it was episiotomy without

forceps and vacuum extraction. The most common procedure for the 45-64 years age group was arteriography and angiocardigraphy using contrast material, and for those 65 years and over it was lens extraction.

The rate of procedures per 1,000 population increased with advancing age from a rate of 44 for patients under 15 years to 358 for patients 65 years of age and over (table H). Except for females 15-44 years of age, the rates for both sexes 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.

Of the 35.9 million procedures performed during 1983, about 14.0 million were for males and 21.9 were for females. The corresponding rates per 1,000 population were 155 for both sexes, 125 for males, and 183 for females. Of the procedures shown in table 17, the most common for males were repair of inguinal hernia and prostatectomy. For females, the most frequently performed procedures were episiotomy without forceps and vacuum extraction, cesarean section, hysterectomy, diagnostic dilation and curettage of uterus, and bilateral destruction or occlusion of fallopian tubes.

The distribution of procedures by race is shown in

**Table G. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by selected procedure categories: United States, 1983**

[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   | 35,939              | 15,471.8                    |
| Surgical procedures <sup>1</sup>   | 26,220              | 11,288.0                    |
| Nonsurgical procedures <sup>1</sup>  | 9,718               | 4,183.8                     |
| Procedures to assist delivery  | 2,405               | 1,035.3                     |
| Endoscopy of 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 | 1,645               | 708.1                       |
| Biopsy <sup>1</sup>  | 1,495               | 643.1                       |
| Computerized axial tomography (CAT scan). . . . . 87.03, 87.41, 87.71, 88.01, 88.38                                      | 871                 | 374.8                       |
| Arteriography and angiocardigraphy by using contrast material. . . . . 88.4-88.5   | 825                 | 355.2                       |
| Cesarean section . . . . . 74.0-74.2, 74.4, 74.99  | 808                 | 347.6                       |
| Endoscopy of the urinary system through natural orifice . . . . . 55.21-55.22, 56.31, 57.32, 58.22                       | 800                 | 344.2                       |
| Diagnostic ultrasound . . . . . 88.7   | 695                 | 299.0                       |
| Radioisotope scan . . . . . 92.01-92.1   | 685                 | 295.0                       |
| Excision or destruction of lesion or tissue of skin or subcutaneous tissue . . . . . 86.2-86.4                           | 680                 | 292.9                       |
| Hysterectomy . . . . . 68.3-68.7   | 672                 | 289.4                       |
| Diagnostic dilation and curettage of uterus . . . . . 69.09  | 632                 | 272.1                       |
| Extraction of lens . . . . . 13.1-13.6   | 630                 | 271.1                       |
| Bilateral destruction or occlusion of fallopian tubes . . . . . 66.2-66.3  | 568                 | 244.4                       |
| Insertion of prosthetic lens . . . . . 13.7  | 516                 | 222.3                       |
| Oophorectomy and salpingo-oophorectomy . . . . . 65.3-65.6   | 512                 | 220.5                       |
| Repair of inguinal hernia . . . . . 53.0-53.1  | 510                 | 219.5                       |
| Cardiac catheterization . . . . . 37.21-37.23  | 508                 | 218.8                       |
| Arthroplasty of joints . . . . . 81.3-81.8   | 499                 | 215.0                       |
| Operations on spinal cord and spinal canal structures except biopsies. . . . . 3-3.31, 3.39-3.9                          | 490                 | 210.9                       |
| Cholecystectomy . . . . . 51.2   | 487                 | 209.6                       |
| Repair of current obstetric laceration . . . . . 75.5-75.6   | 479                 | 206.3                       |
| Pyelogram . . . . . 87.73-87.75  | 453                 | 195.0                       |
| Tonsillectomy with or without adenoidectomy . . . . . 28.2-28.3  | 424                 | 182.7                       |
| Open reduction of fracture. . . . . 76.72, 76.74, 76.76-76.77, 76.79, 79.2-79.3, 79.5-79.6                               | 423                 | 182.1                       |
| Contrast myelogram . . . . . 87.21   | 404                 | 173.8                       |
| Operations on muscle, tendons, fascia, and bursa . . . . . 82-83.1, 83.3-83.9  | 403                 | 173.5                       |
| Prostatectomy. . . . . 60.2-60.6   | 357                 | 153.6                       |

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

**Table H. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by sex and age of patient: United States, 1983**

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

| Age                               | Both sexes | Male   | Female |
|-----------------------------------|------------|--------|--------|
| Number of procedures in thousands |            |        |        |
| All ages .....                    | 35,939     | 13,993 | 21,946 |
| Under 15 years .....              | 2,293      | 1,346  | 947    |
| 15-44 years .....                 | 15,214     | 4,013  | 11,201 |
| 45-64 years .....                 | 8,615      | 4,078  | 4,538  |
| 65 years and over .....           | 9,816      | 4,556  | 5,261  |
| Rate per 1,000 population         |            |        |        |
| All ages .....                    | 154.7      | 124.7  | 182.7  |
| Under 15 years .....              | 44.5       | 51.0   | 37.6   |
| 15-44 years .....                 | 139.8      | 74.8   | 203.1  |
| 45-64 years .....                 | 193.5      | 192.7  | 194.2  |
| 65 years and over .....           | 358.5      | 414.5  | 320.9  |

table 19. Seventy-eight percent of all procedures were performed on white patients, 13 percent were performed on all other races (including black), and 9 percent were performed on patients with no race stated. Generally, the percent distribution of total procedures for white patients was similar to that for all other patients and those with race not stated. However, the percents for all other patients were higher for obstetrical procedures and operations on the female genital organs.

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 173 in the North Central Region, 153 in the Northeast, 148 in the South, and 144 in the West. Rates were highest in all regions for operations on the digestive system, the female genital organs, the musculoskeletal system, obstetrical procedures, and miscellaneous diagnostic and therapeutic procedures.

The number of procedures in short-stay hospitals during 1983 for each ICD-9-CM category by bed size of hospital where the procedure was performed is shown in table 22. Operations on the digestive system were observed to rank highest of all-listed procedures in hospitals with less than 300 beds. The most common procedures for hospitals of 500 beds or more were miscellaneous diagnostic and therapeutic procedures and operations on the digestive system.

The percent distributions of the major groups of procedures by bed size of hospital are shown in table J. Hospitals with 300 beds or more treated an estimated 49 percent of the patients hospitalized during 1983, but performed about 56 percent of the procedures. Procedures for which large percents were performed in hospitals with 300 beds or more were operations on the cardiovascular system (74 percent) and on the endocrine system (67 percent). Other groups having 60 percent or more of the procedures performed in hospitals with 300 beds or more were operations on the respiratory system (64 percent), operations on the hemic and lymphatic system (61 percent), operations on the nervous system (61 percent), and miscellaneous diagnostic and therapeutic procedures (61 percent).

**Table J. Percent distribution of all-listed procedures for patients discharged from short-stay hospitals by bed size of hospital, according to procedure categories: United States, 1983**

[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   | Percent distribution |              |              |              |                  |
|--|-------|----------------------|--------------|--------------|--------------|------------------|
|  |       | 6-99 beds            | 100-199 beds | 200-299 beds | 300-499 beds | 500 beds or more |
| All procedures .....   | 100.0 | 10.0                 | 18.2         | 16.1         | 27.4         | 28.3             |
| Operations on the nervous system..... 01-05                    | 100.0 | 6.9                  | 16.9         | 15.4         | 26.2         | 34.7             |
| Operations on the endocrine system..... 06-07                  | 100.0 | 4.8                  | 11.4         | 16.2         | 30.5         | 36.2             |
| Operations on the eye..... 08-16                               | 100.0 | 8.8                  | 20.4         | 15.5         | 30.0         | 25.4             |
| Operations on the ear..... 18-20                               | 100.0 | 5.6                  | 18.3         | 20.4         | 29.8         | 25.8             |
| Operations on the nose, mouth, and pharynx..... 21-29          | 100.0 | 13.6                 | 18.3         | 18.3         | 26.9         | 22.9             |
| Operations on the respiratory system..... 30-34                | 100.0 | 4.4                  | 16.4         | 15.3         | 29.0         | 34.9             |
| Operations on the cardiovascular system..... 35-39             | 100.0 | 2.6                  | 9.7          | 14.2         | 32.7         | 40.8             |
| Operations on the hemic and lymphatic system..... 40-41        | 100.0 | 7.1                  | 15.3         | 15.9         | 26.0         | 35.3             |
| Operations on the digestive system..... 42-54                  | 100.0 | 12.2                 | 19.3         | 17.7         | 26.3         | 24.4             |
| Operations on the urinary system..... 55-59                    | 100.0 | 9.5                  | 20.1         | 17.5         | 29.6         | 23.3             |
| Operations on the male genital organs..... 60-64               | 100.0 | 11.0                 | 20.4         | 16.4         | 28.2         | 24.0             |
| Operations on the female genital organs..... 65-71             | 100.0 | 11.9                 | 21.3         | 14.9         | 25.4         | 26.5             |
| Obstetrical procedures..... 72-75                              | 100.0 | 11.3                 | 18.3         | 12.7         | 28.0         | 29.7             |
| Operations on the musculoskeletal system..... 76-84            | 100.0 | 14.4                 | 19.9         | 16.3         | 26.0         | 23.3             |
| Operations on the integumentary system..... 85-86              | 100.0 | 14.6                 | 17.0         | 14.9         | 28.1         | 25.3             |
| Miscellaneous diagnostic and therapeutic procedures..... 87-99 | 100.0 | 5.7                  | 16.4         | 17.1         | 27.1         | 33.7             |

# Deaths in short-stay hospitals

In 1983, 96.0 percent of patients, excluding newborn infants, who were discharged from short-stay hospitals were discharged alive, 2.6 percent were discharged dead, and for 1.2 percent a discharge status was not ascribed. Of the estimated 996,000 patients who died, 51.8 percent were male and 48.2 percent were female (table K). As expected, patients 65 years and over accounted for the majority of hospital deaths—72.9 percent. Patients under 65 years of age accounted for 27.1 percent of the deaths. The 996,000 who were discharged dead from these hospitals represented about one-half of all persons who died during 1983.<sup>5</sup>

The hospital fatality rate is the number of deaths divided by the number of total discharges multiplied by 100. This is a conservative rate since the formula assumes that all those pa-

tients whose discharge status was not stated were discharged alive. A fatality rate of 2.6 has been computed for patients in 1983. The rate for males was higher than that for females—3.3 for males compared with 2.1 for females.

The 65 years and over age group had a hospital fatality rate of 6.4 per 100 discharges; however, patients under 65 years of age had a fatality rate of 1.0. The fatality rates for males and females did not vary significantly from each other in each of the age groupings.

The estimated number of hospital deaths and hospital fatality rates for patients under 65 years of age and for those 65 years and over are shown for selected conditions in table L. These data are not synonymous with data for underlying cause of death as reported in *Vital Statistics in the United States*. Of

**Table K. Number of deaths and fatality rate of patients discharged from short-stay hospitals, by sex and age: United States, 1983**

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

| Age   | Both sexes          |        |      | Both sexes              |      |        |
|---|---------------------|--------|------|-------------------------|------|--------|
|   | Male                | Female | Male | Female                  | Male | Female |
|   | Number in thousands |        |      | Rate per 100 discharges |      |        |
| All ages .....                                | 996                 | 516    | 480  | 2.6                     | 3.3  | 2.1    |
| All ages excluding obstetric conditions ..... | 995                 | 516    | 478  | 2.9                     | 3.3  | 2.6    |
| Under 65 years .....                          | 270                 | 156    | 114  | 1.0                     | 1.4  | 0.7    |
| Under 15 years .....                          | 31                  | 17     | 13   | 0.8                     | 0.8  | 0.9    |
| 15-44 years .....                             | 46                  | 27     | 19   | 0.3                     | 0.6  | 0.2    |
| 65 years and over .....                       | 726                 | 360    | 365  | 6.4                     | 7.5  | 5.6    |

**Table L. Number of deaths and fatality rate of patients discharged from short-stay hospitals, by age and selected first-listed diagnoses: United States, 1983**

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

| Diagnostic category and ICD-9-CM code              | All ages            | Under 65 years | 65 years and over | All ages                | Under 65 years | 65 years and over |
|--|---------------------|----------------|-------------------|-------------------------|----------------|-------------------|
|  | Number in thousands |                |                   | Rate per 100 discharges |                |                   |
| All deaths .....                                   | 996                 | 270            | 726               | 2.6                     | 1.0            | 6.4               |
| Malignant neoplasms .....                          | 233                 | 82             | 151               | 11.5                    | 8.4            | 14.3              |
| Heart disease .....                                | 302                 | 63             | 239               | 8.4                     | 4.1            | 11.5              |
| Acute myocardial infarction .....                  | 125                 | 24             | 101               | 18.5                    | 8.3            | 26.4              |
| Chronic ischemic heart disease .....               | 28                  | *5             | 23                | 2.0                     | 0.7            | 3.2               |
| Cardiac dysrhythmias .....                         | 427                 | 69             | 52                | 15.1                    | 9.6            | 18.6              |
| Congestive heart failure .....                     | 428.0               | 45             | *6                | 9.7                     | *5.9           | 10.7              |
| Cerebrovascular disease .....                      | 81                  | 13             | 68                | 9.4                     | 5.9            | 10.7              |
| Pneumonia, all forms .....                         | 50                  | *8             | 43                | 6.0                     | *1.5           | 12.8              |
| Chronic liver disease and cirrhosis .....          | 9                   | 6              | *3                | 9.5                     | 9.0            | *11.3             |
| Nephritis, nephrotic syndrome, and nephrosis ..... | 18                  | *3             | 15                | 13.4                    | *3.9           | 26.1              |
| Injury and poisoning .....                         | 36                  | 15             | 21                | 1.0                     | 0.6            | 2.7               |

**Table M. Average length of stay of patients discharged from short-stay hospitals by discharge status, sex, and age: United States, 1983**  
 [Deaths in non-Federal short-stay hospitals. Excludes newborn infants]

| <i>Age</i>  | <i>Discharge status</i>        |             |               |                   |             |               |
|---|--------------------------------|-------------|---------------|-------------------|-------------|---------------|
|   | <i>Alive</i>                   |             |               | <i>Dead</i>       |             |               |
|   | <i>Both sexes</i>              | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
|   | Average length of stay in days |             |               |                   |             |               |
| All ages . . . . .                                | 6.8                            | 7.2         | 6.5           | 13.0              | 12.9        | 13.0          |
| All ages excluding obstetric conditions . . . . . | 7.3                            | 7.2         | 7.4           | 13.0              | 12.9        | 13.1          |
| Under 65 years . . . . .                          | 5.7                            | 6.3         | 5.3           | 12.7              | 12.4        | 13.1          |
| Under 15 years . . . . .                          | 4.5                            | 4.5         | 4.6           | 7.8               | 9.0         | 6.2           |
| 15-44 years . . . . .                             | 5.0                            | 6.1         | 4.6           | 13.2              | 13.5        | 12.7          |
| 45-64 years . . . . .                             | 7.5                            | 7.4         | 7.5           | 13.3              | 12.6        | 14.3          |
| 65 years and over . . . . .                       | 9.5                            | 9.3         | 9.6           | 13.1              | 13.1        | 13.0          |

the estimated 996,000 deaths in short-stay hospitals, 73 percent are accounted for by the diagnostic groupings shown in table L. Of these, heart disease and malignant neoplasms accounted for about one-half (535,000) of all deaths in short-stay hospitals.

For specific diagnoses, the highest fatality rates were for acute myocardial infarction with a rate of 18.5 per 100 discharges and cardiac dysrhythmias with a rate of 15.1 per hundred discharges. Other high fatality rates were for malignant neoplasms (11.5 per 100 discharges), and nephritis, nephrotic syndrome and nephrosis (13.4 per 100 discharges).

The average length of stay for patients discharged from short-stay hospitals, by discharge status and sex, is shown in

table M. The average stay for all patients discharged was 6.8 days. Patients discharged alive had an average stay of 6.8 days, compared with an average stay of 13.0 days for patients who died in the hospital.

Patients under 65 years of age, discharged alive, stayed an average of 5.7 days; however, those who died had an average stay of 12.7 days. The hospital stay for patients 15-44 years of age who died was 2.6 times as long as for those who were discharged alive (13.2 and 5.0). The difference in length of stay was much smaller for patients 65 years and over—9.5 days for those discharged alive and 13.1 days for those who died.

# Newborn infant discharges

The number, percent distribution, and average length of stay of newborn infants discharged from short-stay hospitals, by sex, geographic region, and race are shown in table N. The estimated 3.8 million newborn infants were equally divided between the sexes.

About 36 percent (1.4 million) of newborn discharges were from the South Region and approximately 25 percent (1.0 million) were from the North Central Region. The percents of discharges for the West and Northeast Regions were approximately the same: 20 percent (0.8 million) for the West and 19 percent (0.7 million) for the Northeast. The average length of stay was 4.5 days in the Northeast and 2.9 days in the West. The average length of stay was 4.2 days in the North Central Region and 3.7 days in the South. Almost three-quarters of the 3.8 million newborn infants discharged from short-stay hospitals were "well." A well infant is defined as one who does not have an illness or risk-related diagnosis (table O).

The estimated 1.1 million sick infants (29 percent of all newborn) had at least one diagnosis in addition to the newborn diagnosis. Some of these additional diagnoses are shown in table P. About 0.5 million (29 percent) of the diagnoses were for jaundice. The next three leading diagnoses were respiratory conditions, prematurity, and congenital anomalies. These four diagnoses accounted for about 58 percent of all sick newborn diagnoses. Males accounted for 58 percent of the respiratory conditions, 58 percent of the congenital anomalies, 54 percent of the jaundice, and 50 percent of the prematurity diagnoses.

**Table N. Number, percent distribution, and average length of stay for newborn infants discharged from non-Federal short-stay hospitals by sex and geographic region: United States, 1983**

| Sex and geographic region     | Discharges          |                      | Average length of stay |
|-------------------------------|---------------------|----------------------|------------------------|
|                               | Number in thousands | Percent distribution | Days                   |
| All newborn infants . . . . . | 3,828               | 100.0                | 3.8                    |
| Sex                           |                     |                      |                        |
| Male . . . . .                | 1,972               | 51.5                 | 3.8                    |
| Female . . . . .              | 1,857               | 48.5                 | 3.8                    |
| Geographic region             |                     |                      |                        |
| Northeast . . . . .           | 717                 | 18.7                 | 4.5                    |
| North Central . . . . .       | 953                 | 24.9                 | 4.2                    |
| South . . . . .               | 1,388               | 36.2                 | 3.7                    |
| West . . . . .                | 771                 | 20.1                 | 2.9                    |

**Table O. Number and average length of stay of newborn infants discharged from non-Federal short-stay hospitals, by sex and health status: United States, 1983**

| Health status                  | Both sexes | Male  | Female |
|--------------------------------|------------|-------|--------|
| Number in thousands            |            |       |        |
| All newborn infants . . . . .  | 3,828      | 1,972 | 1,857  |
| Well newborn infants . . . . . | 2,730      | 1,359 | 1,371  |
| Sick newborn infants . . . . . | 1,099      | 613   | 486    |
| Average length of stay in days |            |       |        |
| All newborn infants . . . . .  | 3.8        | 3.8   | 3.8    |
| Well newborn infants . . . . . | 3.0        | 3.0   | 3.0    |
| Sick newborn infants . . . . . | 5.8        | 5.6   | 6.1    |

**Table P. Number of all-listed diagnoses for sick newborn infants discharged from short-stay hospitals by selected diagnostic categories and sex: United States, 1983**

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

| Diagnostic category and ICD-9-CM code  | Both sexes | Male | Female |
|--|------------|------|--------|
| Number in thousands  |            |      |        |
| Sick newborn infant diagnoses <sup>1</sup> . . . . .   | 1,751      | 994  | 758    |
| Congenital anomalies . . . . . 740-759   | 150        | 87   | 63     |
| Disorders relating to short gestation and unspecified low birthweight (prematurity) . . . . . 765            | 161        | 81   | 79     |
| Respiratory distress syndrome and other respiratory conditions of fetus and newborn . . . . . 769-770        | 192        | 112  | 80     |
| Hemolytic disease of fetus or newborn, due to isoimmunization and other perinatal jaundice . . . . . 773-774 | 516        | 281  | 235    |

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

Of the 1.1 million sick newborn infants, there were 26 percent more baby boys than baby girls; the boys also had 31 percent more diagnoses than the girls did.

Well newborn infants had an average hospital stay of 3.0 days, and there was no difference in the length of stay by sex (table O). This table further demonstrates that sick newborn infants stay almost twice as long as well infants (5.8 versus 3.0 days) and account for 44 percent of the newborn patient days, although they constitute only 29 percent of newborn infants.

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TABLE 1. NUMBER, PERCENT DISTRIBUTION, AND RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX AND AGE            | DISCHARGED PATIENTS |                      |                           | DAYS OF CARE        |                      |                           | AVERAGE LENGTH OF STAY IN DAYS |
|------------------------|---------------------|----------------------|---------------------------|---------------------|----------------------|---------------------------|--------------------------------|
|                        | NUMBER IN THOUSANDS | PERCENT DISTRIBUTION | RATE PER 1,000 POPULATION | NUMBER IN THOUSANDS | PERCENT DISTRIBUTION | RATE PER 1,000 POPULATION |                                |
| BOTH SEXES             |                     |                      |                           |                     |                      |                           |                                |
| ALL AGES.....          | 38,783              | 100.0                | 167.0                     | 268,337             | 100.0                | 1,155.2                   | 6.9                            |
| UNDER 15 YEARS.....    | 3,654               | 9.4                  | 70.8                      | 16,682              | 6.2                  | 323.4                     | 4.6                            |
| UNDER 1 YEAR.....      | 936                 | 2.4                  | 255.8                     | 6,164               | 2.3                  | 1,684.0                   | 6.6                            |
| 1 TO 4 YEARS.....      | 1,146               | 3.0                  | 80.9                      | 4,203               | 1.6                  | 296.7                     | 3.7                            |
| 5-14 YEARS.....        | 1,572               | 4.1                  | 46.6                      | 6,316               | 2.4                  | 187.1                     | 4.0                            |
| 15-44 YEARS.....       | 15,269              | 39.4                 | 140.3                     | 76,971              | 28.7                 | 707.5                     | 5.0                            |
| 15-19 YEARS.....       | 2,012               | 5.2                  | 106.0                     | 9,251               | 3.4                  | 487.5                     | 4.6                            |
| 20-24 YEARS.....       | 3,155               | 8.1                  | 149.9                     | 13,415              | 5.0                  | 637.2                     | 4.3                            |
| 25-34 YEARS.....       | 6,279               | 16.2                 | 158.7                     | 30,554              | 11.4                 | 772.1                     | 4.9                            |
| 35-44 YEARS.....       | 3,823               | 9.9                  | 131.0                     | 23,751              | 8.9                  | 813.7                     | 6.2                            |
| 45-64 YEARS.....       | 8,558               | 22.1                 | 192.2                     | 65,029              | 24.2                 | 1,460.6                   | 7.6                            |
| 45-54 YEARS.....       | 3,725               | 9.6                  | 167.0                     | 26,299              | 9.8                  | 1,179.2                   | 7.1                            |
| 55-64 YEARS.....       | 4,833               | 12.5                 | 217.5                     | 38,731              | 14.4                 | 1,743.2                   | 8.0                            |
| 65 YEARS AND OVER..... | 11,302              | 29.1                 | 412.7                     | 109,655             | 40.9                 | 4,004.3                   | 9.7                            |
| 65-74 YEARS.....       | 5,468               | 14.1                 | 334.2                     | 50,222              | 18.7                 | 3,069.5                   | 9.2                            |
| 75-84 YEARS.....       | 4,295               | 11.1                 | 504.2                     | 42,416              | 15.8                 | 4,979.6                   | 9.9                            |
| 85 YEARS AND OVER..... | 1,539               | 4.0                  | 614.8                     | 17,016              | 6.3                  | 6,798.4                   | 11.1                           |
| UNDER 17 YEARS.....    | 4,243               | 10.9                 | 72.2                      | 19,670              | 7.3                  | 334.5                     | 4.6                            |
| 17-69 YEARS.....       | 25,923              | 66.8                 | 167.1                     | 162,889             | 60.7                 | 1,050.1                   | 6.3                            |
| 70 YEARS AND OVER..... | 8,617               | 22.2                 | 469.0                     | 85,778              | 32.0                 | 4,668.9                   | 10.0                           |
| MALE                   |                     |                      |                           |                     |                      |                           |                                |
| ALL AGES.....          | 15,573              | 100.0                | 138.8                     | 114,827             | 100.0                | 1,023.7                   | 7.4                            |
| UNDER 15 YEARS.....    | 2,084               | 13.4                 | 79.0                      | 9,420               | 8.2                  | 357.0                     | 4.5                            |
| UNDER 1 YEAR.....      | 542                 | 3.5                  | 289.2                     | 3,510               | 3.1                  | 1,872.0                   | 6.5                            |
| 1 TO 4 YEARS.....      | 664                 | 4.3                  | 91.7                      | 2,405               | 2.1                  | 332.0                     | 3.6                            |
| 5-14 YEARS.....        | 878                 | 5.6                  | 50.8                      | 3,505               | 3.1                  | 203.0                     | 4.0                            |
| 15-44 YEARS.....       | 4,524               | 29.0                 | 84.3                      | 27,839              | 24.2                 | 519.0                     | 6.2                            |
| 15-19 YEARS.....       | 639                 | 4.1                  | 66.7                      | 3,731               | 3.2                  | 389.1                     | 5.8                            |
| 20-24 YEARS.....       | 717                 | 4.6                  | 69.3                      | 4,155               | 3.6                  | 401.7                     | 5.8                            |
| 25-34 YEARS.....       | 1,644               | 10.6                 | 84.5                      | 10,169              | 8.9                  | 522.3                     | 6.2                            |
| 35-44 YEARS.....       | 1,523               | 9.8                  | 107.0                     | 9,785               | 8.5                  | 687.4                     | 6.4                            |
| 45-64 YEARS.....       | 4,159               | 26.7                 | 196.6                     | 31,542              | 27.5                 | 1,491.0                   | 7.6                            |
| 45-54 YEARS.....       | 1,728               | 11.1                 | 160.3                     | 12,307              | 10.7                 | 1,141.9                   | 7.1                            |
| 55-64 YEARS.....       | 2,431               | 15.6                 | 234.3                     | 19,235              | 16.8                 | 1,853.6                   | 7.9                            |
| 65 YEARS AND OVER..... | 4,806               | 30.9                 | 437.2                     | 46,025              | 40.1                 | 4,187.2                   | 9.6                            |
| 65-74 YEARS.....       | 2,568               | 16.5                 | 361.4                     | 23,282              | 20.3                 | 3,276.8                   | 9.1                            |
| 75-84 YEARS.....       | 1,729               | 11.1                 | 548.5                     | 17,188              | 15.0                 | 5,451.4                   | 9.9                            |
| 85 YEARS AND OVER..... | 509                 | 3.3                  | 693.6                     | 5,556               | 4.8                  | 7,568.9                   | 10.9                           |
| UNDER 17 YEARS.....    | 2,316               | 14.9                 | 77.0                      | 10,757              | 9.4                  | 357.8                     | 4.6                            |
| 17-69 YEARS.....       | 9,757               | 62.7                 | 129.9                     | 69,549              | 60.6                 | 925.7                     | 7.1                            |
| 70 YEARS AND OVER..... | 3,500               | 22.5                 | 502.1                     | 34,522              | 30.1                 | 4,951.5                   | 9.9                            |
| FEMALE                 |                     |                      |                           |                     |                      |                           |                                |
| ALL AGES.....          | 23,210              | 100.0                | 193.2                     | 153,510             | 100.0                | 1,278.0                   | 6.6                            |
| UNDER 15 YEARS.....    | 1,570               | 6.8                  | 62.3                      | 7,262               | 4.7                  | 288.1                     | 4.6                            |
| UNDER 1 YEAR.....      | 394                 | 1.7                  | 220.7                     | 2,654               | 1.7                  | 1,486.6                   | 6.7                            |
| 1 TO 4 YEARS.....      | 482                 | 2.1                  | 69.6                      | 1,797               | 1.2                  | 259.7                     | 3.7                            |
| 5-14 YEARS.....        | 694                 | 3.0                  | 42.1                      | 2,811               | 1.8                  | 170.4                     | 4.1                            |
| 15-44 YEARS.....       | 10,745              | 46.3                 | 194.8                     | 49,132              | 32.0                 | 890.8                     | 4.6                            |
| 15-19 YEARS.....       | 1,372               | 5.9                  | 146.2                     | 5,520               | 3.6                  | 588.0                     | 4.0                            |
| 20-24 YEARS.....       | 2,438               | 10.5                 | 227.7                     | 9,260               | 6.0                  | 864.7                     | 3.8                            |
| 25-34 YEARS.....       | 4,634               | 20.0                 | 230.5                     | 20,385              | 13.3                 | 1,014.0                   | 4.4                            |
| 35-44 YEARS.....       | 2,300               | 9.9                  | 153.8                     | 13,966              | 9.1                  | 934.1                     | 6.1                            |
| 45-64 YEARS.....       | 4,400               | 19.0                 | 188.3                     | 33,487              | 21.8                 | 1,433.1                   | 7.6                            |
| 45-54 YEARS.....       | 1,997               | 8.6                  | 173.3                     | 13,992              | 9.1                  | 1,213.9                   | 7.0                            |
| 55-64 YEARS.....       | 2,402               | 10.4                 | 202.9                     | 19,495              | 12.7                 | 1,646.4                   | 8.1                            |
| 65 YEARS AND OVER..... | 6,496               | 28.0                 | 396.3                     | 63,630              | 41.4                 | 3,881.8                   | 9.8                            |
| 65-74 YEARS.....       | 2,901               | 12.5                 | 313.3                     | 26,941              | 17.5                 | 2,910.3                   | 9.3                            |
| 75-84 YEARS.....       | 2,565               | 11.1                 | 478.1                     | 25,228              | 16.4                 | 4,701.5                   | 9.8                            |
| 85 YEARS AND OVER..... | 1,030               | 4.4                  | 582.0                     | 11,461              | 7.5                  | 6,478.7                   | 11.1                           |
| UNDER 17 YEARS.....    | 1,927               | 8.3                  | 67.0                      | 8,914               | 5.8                  | 310.2                     | 4.6                            |
| 17-69 YEARS.....       | 16,167              | 69.7                 | 202.1                     | 93,341              | 60.8                 | 1,167.1                   | 5.8                            |
| 70 YEARS AND OVER..... | 5,116               | 22.0                 | 448.8                     | 51,256              | 33.4                 | 4,496.1                   | 10.0                           |



TABLE 2. NUMBER, PERCENT DISTRIBUTION, AND RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX, RACE, AND AGE: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| SEX, RACE, AND AGE             | DISCHARGED PATIENTS |                      |                           | DAYS OF CARE        |                      |                           | AVERAGE LENGTH OF STAY IN DAYS |
|--------------------------------|---------------------|----------------------|---------------------------|---------------------|----------------------|---------------------------|--------------------------------|
|                                | NUMBER IN THOUSANDS | PERCENT DISTRIBUTION | RATE PER 1,000 POPULATION | NUMBER IN THOUSANDS | PERCENT DISTRIBUTION | RATE PER 1,000 POPULATION |                                |
| BOTH SEXES                     |                     |                      |                           |                     |                      |                           |                                |
| ALL RACES, ALL AGES.....       | 38,783              | 100.0                | 167.0                     | 268,337             | 100.0                | 1,155.2                   | 6.9                            |
| UNDER 15 YEARS.....            | 3,654               | 9.4                  | 70.8                      | 16,682              | 6.2                  | 323.4                     | 4.6                            |
| 15-44 YEARS.....               | 15,269              | 39.4                 | 140.3                     | 76,971              | 28.7                 | 707.5                     | 5.0                            |
| 45-64 YEARS.....               | 8,558               | 22.1                 | 192.2                     | 65,029              | 24.2                 | 1,460.6                   | 7.6                            |
| 65 YEARS AND OVER.....         | 11,302              | 29.1                 | 412.7                     | 109,655             | 40.9                 | 4,004.3                   | 9.7                            |
| WHITE, ALL AGES.....           | 30,106              | 77.6                 | 151.9                     | 210,394             | 78.4                 | 1,061.5                   | 7.0                            |
| UNDER 15 YEARS.....            | 2,684               | 6.9                  | 63.9                      | 11,724              | 4.4                  | 279.0                     | 4.4                            |
| 15-44 YEARS.....               | 11,087              | 28.6                 | 120.3                     | 55,534              | 20.7                 | 602.7                     | 5.0                            |
| 45-64 YEARS.....               | 6,834               | 17.6                 | 174.0                     | 51,234              | 19.1                 | 1,304.6                   | 7.5                            |
| 65 YEARS AND OVER.....         | 9,501               | 24.5                 | 383.5                     | 91,901              | 34.2                 | 3,709.7                   | 9.7                            |
| ALL OTHER, ALL AGES.....       | 5,235               | 13.5                 | 153.6                     | 37,459              | 14.0                 | 1,098.9                   | 7.2                            |
| UNDER 15 YEARS.....            | 660                 | 1.7                  | 68.9                      | 3,644               | 1.4                  | 380.7                     | 5.5                            |
| 15-44 YEARS.....               | 2,674               | 6.9                  | 160.6                     | 14,596              | 5.4                  | 876.5                     | 5.5                            |
| 45-64 YEARS.....               | 1,013               | 2.6                  | 192.9                     | 9,040               | 3.4                  | 1,721.9                   | 8.9                            |
| 65 YEARS AND OVER.....         | 889                 | 2.3                  | 340.5                     | 10,179              | 3.8                  | 3,897.0                   | 11.4                           |
| RACE NOT STATED, ALL AGES..... | 3,441               | 8.9                  | ...                       | 20,485              | 7.6                  | ...                       | 6.0                            |
| UNDER 15 YEARS.....            | 311                 | 0.8                  | ...                       | 1,314               | 0.5                  | ...                       | 4.2                            |
| 15-44 YEARS.....               | 1,507               | 3.9                  | ...                       | 6,841               | 2.5                  | ...                       | 4.5                            |
| 45-64 YEARS.....               | 712                 | 1.8                  | ...                       | 4,755               | 1.8                  | ...                       | 6.7                            |
| 65 YEARS AND OVER.....         | 911                 | 2.3                  | ...                       | 7,575               | 2.8                  | ...                       | 8.3                            |
| MALE                           |                     |                      |                           |                     |                      |                           |                                |
| ALL RACES, ALL AGES.....       | 15,573              | 100.0                | 138.8                     | 114,827             | 100.0                | 1,023.7                   | 7.4                            |
| UNDER 15 YEARS.....            | 2,084               | 13.4                 | 79.0                      | 9,420               | 8.2                  | 357.0                     | 4.5                            |
| 15-44 YEARS.....               | 4,524               | 29.0                 | 84.3                      | 27,839              | 24.2                 | 519.0                     | 6.2                            |
| 45-64 YEARS.....               | 4,159               | 26.7                 | 196.6                     | 31,542              | 27.5                 | 1,491.0                   | 7.6                            |
| 65 YEARS AND OVER.....         | 4,806               | 30.9                 | 437.2                     | 46,025              | 40.1                 | 4,187.2                   | 9.6                            |
| WHITE, ALL AGES.....           | 12,252              | 78.7                 | 127.5                     | 89,946              | 78.3                 | 936.1                     | 7.3                            |
| UNDER 15 YEARS.....            | 1,524               | 9.8                  | 70.7                      | 6,574               | 5.7                  | 305.1                     | 4.3                            |
| 15-44 YEARS.....               | 3,354               | 21.5                 | 73.2                      | 20,146              | 17.5                 | 439.9                     | 6.0                            |
| 45-64 YEARS.....               | 3,339               | 21.4                 | 177.5                     | 24,884              | 21.7                 | 1,322.7                   | 7.5                            |
| 65 YEARS AND OVER.....         | 4,035               | 25.9                 | 406.2                     | 38,342              | 33.4                 | 3,860.0                   | 9.5                            |
| ALL OTHER, ALL AGES.....       | 1,986               | 12.8                 | 123.5                     | 16,169              | 14.1                 | 1,005.4                   | 8.1                            |
| UNDER 15 YEARS.....            | 387                 | 2.5                  | 80.0                      | 2,114               | 1.8                  | 437.0                     | 5.5                            |
| 15-44 YEARS.....               | 743                 | 4.8                  | 94.7                      | 5,237               | 4.6                  | 667.6                     | 7.0                            |
| 45-64 YEARS.....               | 474                 | 3.0                  | 202.2                     | 4,350               | 3.8                  | 1,856.4                   | 9.2                            |
| 65 YEARS AND OVER.....         | 382                 | 2.5                  | 361.4                     | 4,468               | 3.9                  | 4,223.3                   | 11.7                           |
| RACE NOT STATED, ALL AGES..... | 1,335               | 8.6                  | ...                       | 8,712               | 7.6                  | ...                       | 6.5                            |
| UNDER 15 YEARS.....            | 173                 | 1.1                  | ...                       | 732                 | 0.6                  | ...                       | 4.2                            |
| 15-44 YEARS.....               | 427                 | 2.7                  | ...                       | 2,457               | 2.1                  | ...                       | 5.7                            |
| 45-64 YEARS.....               | 346                 | 2.2                  | ...                       | 2,308               | 2.0                  | ...                       | 6.7                            |
| 65 YEARS AND OVER.....         | 389                 | 2.5                  | ...                       | 3,215               | 2.8                  | ...                       | 8.3                            |
| FEMALE                         |                     |                      |                           |                     |                      |                           |                                |
| ALL RACES, ALL AGES.....       | 23,210              | 100.0                | 193.2                     | 153,510             | 100.0                | 1,278.0                   | 6.6                            |
| UNDER 15 YEARS.....            | 1,570               | 6.8                  | 62.3                      | 7,262               | 4.7                  | 288.1                     | 4.6                            |
| 15-44 YEARS.....               | 10,745              | 46.3                 | 194.8                     | 49,132              | 32.0                 | 890.8                     | 4.6                            |
| 45-64 YEARS.....               | 4,400               | 19.0                 | 188.3                     | 33,487              | 21.8                 | 1,433.1                   | 7.6                            |
| 65 YEARS AND OVER.....         | 6,496               | 28.0                 | 396.3                     | 63,630              | 41.4                 | 3,881.8                   | 9.8                            |
| WHITE, ALL AGES.....           | 17,855              | 76.9                 | 174.9                     | 120,448             | 78.5                 | 1,179.6                   | 6.7                            |
| UNDER 15 YEARS.....            | 1,159               | 5.0                  | 56.6                      | 5,150               | 3.4                  | 251.6                     | 4.4                            |
| 15-44 YEARS.....               | 7,734               | 33.3                 | 166.9                     | 35,389              | 23.1                 | 763.5                     | 4.6                            |
| 45-64 YEARS.....               | 3,494               | 15.1                 | 170.8                     | 26,350              | 17.2                 | 1,287.9                   | 7.5                            |
| 65 YEARS AND OVER.....         | 5,467               | 23.6                 | 368.4                     | 53,559              | 34.9                 | 3,609.4                   | 9.8                            |
| ALL OTHER, ALL AGES.....       | 3,249               | 14.0                 | 180.5                     | 21,290              | 13.9                 | 1,182.4                   | 6.6                            |
| UNDER 15 YEARS.....            | 273                 | 1.2                  | 57.6                      | 1,530               | 1.0                  | 323.0                     | 5.6                            |
| 15-44 YEARS.....               | 1,931               | 8.3                  | 219.2                     | 9,359               | 6.1                  | 1,062.8                   | 4.8                            |
| 45-64 YEARS.....               | 539                 | 2.3                  | 185.3                     | 4,690               | 3.1                  | 1,612.9                   | 8.7                            |
| 65 YEARS AND OVER.....         | 507                 | 2.2                  | 326.0                     | 5,711               | 3.7                  | 3,672.5                   | 11.3                           |
| RACE NOT STATED, ALL AGES..... | 2,106               | 9.1                  | ...                       | 11,773              | 7.7                  | ...                       | 5.6                            |
| UNDER 15 YEARS.....            | 138                 | 0.6                  | ...                       | 582                 | 0.4                  | ...                       | 4.2                            |
| 15-44 YEARS.....               | 1,080               | 4.7                  | ...                       | 4,384               | 2.9                  | ...                       | 4.1                            |
| 45-64 YEARS.....               | 366                 | 1.6                  | ...                       | 2,447               | 1.6                  | ...                       | 6.7                            |
| 65 YEARS AND OVER.....         | 522                 | 2.2                  | ...                       | 4,360               | 2.8                  | ...                       | 8.4                            |

TABLE 3. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY GEOGRAPHIC REGION, AGE, AND PRINCIPAL EXPECTED SOURCE OF PAYMENT: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| REGION AND AGE                             | ALL PRINCIPAL EXPECTED SOURCES OF PAYMENT | PRIVATE INSURANCE | MEDICARE | MEDICAID | WORKMEN'S COMPENSATION | OTHER GOVERNMENT PAYMENTS | SELF-PAY | OTHER PAYMENTS AND NO CHARGE |
|--|---|-------------------|----------|----------|------------------------|---------------------------|----------|------------------------------|
| UNITED STATES                              |   |                   |          |          |                        |                           |          |                              |
| NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 38,783                                    | 18,933            | 12,307   | 3,467    | 597                    | 828                       | 2,203    | 447                          |
| UNDER 15 YEARS.....                        | 3,654                                     | 2,295             | 32       | 801      | -                      | 139                       | 325      | 62                           |
| 15-44 YEARS.....                           | 15,269                                    | 10,320            | 316      | 2,030    | 417                    | 462                       | 1,428    | 296                          |
| 45-64 YEARS.....                           | 8,558                                     | 6,075             | 1,105    | 531      | 162                    | 207                       | 400      | 79                           |
| 65 YEARS AND OVER.....                     | 11,302                                    | 244               | 10,854   | 106      | 19                     | 20                        | 50       | 10                           |
| NORTHEAST                                  |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 7,793                                     | 3,782             | 2,498    | 844      | 95                     | 117                       | 363      | 93                           |
| UNDER 15 YEARS.....                        | 682                                       | 427               | *5       | 175      | -                      | 14                        | 39       | 22                           |
| 15-44 YEARS.....                           | 2,955                                     | 1,976             | 50       | 503      | 64                     | 71                        | 237      | 55                           |
| 45-64 YEARS.....                           | 1,783                                     | 1,316             | 189      | 135      | 29                     | 29                        | 73       | 13                           |
| 65 YEARS AND OVER.....                     | 2,373                                     | 63                | 2,254    | 32       | *                      | *                         | 15       | *                            |
| NORTH CENTRAL                              |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 10,492                                    | 5,294             | 3,356    | 972      | 144                    | 213                       | 410      | 104                          |
| UNDER 15 YEARS.....                        | 987                                       | 644               | 10       | 228      | -                      | 41                        | 53       | 12                           |
| 15-44 YEARS.....                           | 4,042                                     | 2,817             | 81       | 594      | 95                     | 119                       | 263      | 74                           |
| 45-64 YEARS.....                           | 2,366                                     | 1,778             | 264      | 131      | 42                     | 49                        | 87       | 16                           |
| 65 YEARS AND OVER.....                     | 3,097                                     | 55                | 3,001    | 19       | *6                     | *                         | *9       | *                            |
| SOUTH                                      |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 13,884                                    | 6,870             | 4,291    | 1,150    | 230                    | 267                       | 940      | 136                          |
| UNDER 15 YEARS.....                        | 1,507                                     | 932               | 12       | 313      | -                      | 45                        | 186      | 19                           |
| 15-44 YEARS.....                           | 5,517                                     | 3,823             | 105      | 621      | 168                    | 132                       | 582      | 86                           |
| 45-64 YEARS.....                           | 3,001                                     | 2,038             | 459      | 181      | 55                     | 85                        | 153      | 29                           |
| 65 YEARS AND OVER.....                     | 3,859                                     | 76                | 3,716    | 35       | *7                     | *                         | 19       | *                            |
| WEST                                       |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 6,614                                     | 2,988             | 2,162    | 501      | 130                    | 231                       | 489      | 114                          |
| UNDER 15 YEARS.....                        | 478                                       | 292               | *5       | 85       | -                      | 40                        | 47       | *9                           |
| 15-44 YEARS.....                           | 2,754                                     | 1,704             | 80       | 311      | 90                     | 140                       | 346      | 81                           |
| 45-64 YEARS.....                           | 1,409                                     | 942               | 192      | 85       | 36                     | 44                        | 88       | 22                           |
| 65 YEARS AND OVER.....                     | 1,974                                     | 50                | 1,884    | 20       | *                      | *7                        | *7       | *                            |
| UNITED STATES                              |   |                   |          |          |                        |                           |          |                              |
| NUMBER OF DAYS OF CARE IN THOUSANDS        |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 268,337                                   | 106,197           | 118,676  | 20,017   | 3,530                  | 5,026                     | 12,138   | 2,754                        |
| UNDER 15 YEARS.....                        | 16,682                                    | 9,624             | 279      | 4,031    | -                      | 761                       | 1,697    | 291                          |
| 15-44 YEARS.....                           | 76,971                                    | 51,027            | 2,722    | 10,180   | 2,326                  | 2,464                     | 6,634    | 1,618                        |
| 45-64 YEARS.....                           | 65,029                                    | 43,329            | 10,285   | 4,702    | 1,025                  | 1,662                     | 3,269    | 757                          |
| 65 YEARS AND OVER.....                     | 109,655                                   | 2,217             | 105,390  | 1,103    | 178                    | 140                       | 538      | 89                           |
| NORTHEAST                                  |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 63,128                                    | 23,345            | 29,910   | 5,441    | 575                    | 807                       | 2,488    | 563                          |
| UNDER 15 YEARS.....                        | 3,064                                     | 1,768             | *37      | 942      | -                      | 57                        | 191      | 70                           |
| 15-44 YEARS.....                           | 15,861                                    | 10,240            | 441      | 2,751    | 376                    | 463                       | 1,255    | 334                          |
| 45-64 YEARS.....                           | 15,389                                    | 10,618            | 2,079    | 1,318    | 183                    | 254                       | 811      | 126                          |
| 65 YEARS AND OVER.....                     | 28,814                                    | 719               | 27,352   | 431      | *                      | *                         | 230      | *                            |
| NORTH CENTRAL                              |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 75,349                                    | 31,993            | 32,455   | 5,777    | 828                    | 1,372                     | 2,407    | 517                          |
| UNDER 15 YEARS.....                        | 4,706                                     | 2,817             | 116      | 1,188    | -                      | 238                       | 302      | 45                           |
| 15-44 YEARS.....                           | 22,353                                    | 15,397            | 753      | 3,230    | 516                    | 718                       | 1,385    | 355                          |
| 45-64 YEARS.....                           | 18,391                                    | 13,282            | 2,514    | 1,206    | 256                    | 376                       | 657      | 100                          |
| 65 YEARS AND OVER.....                     | 29,898                                    | 498               | 29,072   | 152      | *56                    | *                         | *63      | *                            |
| SOUTH                                      |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 91,090                                    | 36,443            | 39,159   | 6,341    | 1,440                  | 1,741                     | 4,967    | 999                          |
| UNDER 15 YEARS.....                        | 6,988                                     | 3,923             | 93       | 1,523    | -                      | 290                       | 1,015    | 143                          |
| 15-44 YEARS.....                           | 26,591                                    | 18,011            | 907      | 2,888    | 1,006                  | 703                       | 2,561    | 515                          |
| 45-64 YEARS.....                           | 22,340                                    | 13,859            | 4,275    | 1,582    | 371                    | 724                       | 1,209    | 321                          |
| 65 YEARS AND OVER.....                     | 35,171                                    | 650               | 33,884   | 349      | *64                    | *                         | 181      | *                            |
| WEST                                       |   |                   |          |          |                        |                           |          |                              |
| ALL AGES.....                              | 38,770                                    | 14,416            | 17,152   | 2,457    | 686                    | 1,107                     | 2,277    | 675                          |
| UNDER 15 YEARS.....                        | 1,923                                     | 1,116             | *32      | 378      | -                      | 176                       | 188      | *32                          |
| 15-44 YEARS.....                           | 12,166                                    | 7,378             | 621      | 1,311    | 429                    | 580                       | 1,433    | 414                          |
| 45-64 YEARS.....                           | 8,909                                     | 5,571             | 1,417    | 597      | 215                    | 308                       | 592      | 210                          |
| 65 YEARS AND OVER.....                     | 15,772                                    | 350               | 15,082   | 171      | *                      | *43                       | *64      | *                            |

TABLE 3. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY GEOGRAPHIC REGION, AGE, AND PRINCIPAL EXPECTED SOURCE OF PAYMENT: UNITED STATES, 1983--CON.

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| REGION AND AGE         | ALL PRINCIPAL EXPECTED SOURCES OF PAYMENT | PRIVATE INSURANCE              | MEDICARE | MEDICAID | WORKMEN'S COMPEN-SATION | OTHER GOVERNMENT PAYMENTS | SELF-PAY | OTHER PAYMENTS AND NO CHARGE |
|------------------------|---|--------------------------------|----------|----------|-------------------------|---------------------------|----------|------------------------------|
| UNITED STATES          |   | AVERAGE LENGTH OF STAY IN DAYS |          |          |                         |                           |          |                              |
| ALL AGES.....          | 6.9                                       | 5.6                            | 9.6      | 5.8      | 5.9                     | 6.1                       | 5.5      | 6.2                          |
| UNDER 15 YEARS.....    | 4.6                                       | 4.2                            | 8.8      | 5.0      | -                       | 5.5                       | 5.2      | 4.7                          |
| 15-44 YEARS.....       | 5.0                                       | 4.9                            | 8.6      | 5.0      | 5.6                     | 5.3                       | 4.6      | 5.5                          |
| 45-64 YEARS.....       | 7.6                                       | 7.1                            | 9.3      | 8.9      | 6.3                     | 8.0                       | 8.2      | 9.5                          |
| 65 YEARS AND OVER..... | 9.7                                       | 9.1                            | 9.7      | 10.4     | 9.6                     | 7.1                       | 10.7     | 9.1                          |
| NORTHEAST              |   |                                |          |          |                         |                           |          |                              |
| ALL AGES.....          | 8.1                                       | 6.2                            | 12.0     | 6.4      | 6.1                     | 6.9                       | 6.8      | 6.0                          |
| UNDER 15 YEARS.....    | 4.5                                       | 4.1                            | *7.3     | 5.4      | -                       | 4.2                       | 4.9      | 3.1                          |
| 15-44 YEARS.....       | 5.4                                       | 5.2                            | 8.8      | 5.5      | 5.9                     | 6.5                       | 5.3      | 6.1                          |
| 45-64 YEARS.....       | 8.6                                       | 8.1                            | 11.0     | 9.8      | 6.4                     | 8.8                       | 11.2     | 9.8                          |
| 65 YEARS AND OVER..... | 12.1                                      | 11.5                           | 12.1     | 13.5     | *                       | *                         | 14.9     | *                            |
| NORTH CENTRAL          |   |                                |          |          |                         |                           |          |                              |
| ALL AGES.....          | 7.2                                       | 6.0                            | 9.7      | 5.9      | 5.8                     | 6.4                       | 5.9      | 5.0                          |
| UNDER 15 YEARS.....    | 4.8                                       | 4.4                            | 11.8     | 5.2      | -                       | 5.8                       | 5.8      | 3.6                          |
| 15-44 YEARS.....       | 5.5                                       | 5.5                            | 9.3      | 5.4      | 5.4                     | 6.0                       | 5.3      | 4.8                          |
| 45-64 YEARS.....       | 7.8                                       | 7.5                            | 9.5      | 9.2      | 6.1                     | 7.7                       | 7.6      | 6.4                          |
| 65 YEARS AND OVER..... | 9.7                                       | 9.0                            | 9.7      | 7.9      | *9.0                    | *                         | *7.3     | *                            |
| SOUTH                  |   |                                |          |          |                         |                           |          |                              |
| ALL AGES.....          | 6.6                                       | 5.3                            | 9.1      | 5.5      | 6.3                     | 6.5                       | 5.3      | 7.3                          |
| UNDER 15 YEARS.....    | 4.6                                       | 4.2                            | 8.1      | 4.9      | -                       | 6.4                       | 5.5      | 7.7                          |
| 15-44 YEARS.....       | 4.8                                       | 4.7                            | 8.7      | 4.6      | 6.0                     | 5.3                       | 4.4      | 6.0                          |
| 45-64 YEARS.....       | 7.4                                       | 6.8                            | 9.3      | 8.7      | 6.7                     | 8.5                       | 7.9      | 11.0                         |
| 65 YEARS AND OVER..... | 9.1                                       | 8.5                            | 9.1      | 10.1     | *9.4                    | *                         | 9.6      | *                            |
| WEST                   |   |                                |          |          |                         |                           |          |                              |
| ALL AGES.....          | 5.9                                       | 4.8                            | 7.9      | 4.9      | 5.3                     | 4.8                       | 4.7      | 5.9                          |
| UNDER 15 YEARS.....    | 4.0                                       | 3.8                            | *6.0     | 4.4      | -                       | 4.4                       | 4.0      | *3.7                         |
| 15-44 YEARS.....       | 4.4                                       | 4.3                            | 7.7      | 4.2      | 4.8                     | 4.1                       | 4.1      | 5.1                          |
| 45-64 YEARS.....       | 6.3                                       | 5.9                            | 7.4      | 7.0      | 6.0                     | 7.0                       | 6.7      | 9.6                          |
| 65 YEARS AND OVER..... | 8.0                                       | 7.1                            | 8.0      | 8.7      | *                       | *6.0                      | *8.7     | *                            |

TABLE 4. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY AGE, GEOGRAPHIC REGION, BED SIZE OF HOSPITAL, AND SEX: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| AGE, REGION, AND BED SIZE     | BOTH SEXES                                    | MALE   | FEMALE | BOTH SEXES                             | MALE    | FEMALE  | BOTH SEXES                        | MALE | FEMALE |
|-------------------------------|---|--------|--------|--|---------|---------|-----------------------------------|------|--------|
| ALL AGES                      |   |        |        |  |         |         |                                   |      |        |
|                               | NUMBER OF PATIENTS DISCHARGED<br>IN THOUSANDS |        |        | NUMBER OF DAYS OF CARE<br>IN THOUSANDS |         |         | AVERAGE LENGTH OF STAY<br>IN DAYS |      |        |
| UNITED STATES, ALL SIZES..... | 38,783  | 15,573 | 23,210 | 268,337                                | 114,827 | 153,510 | 6.9                               | 7.4  | 6.6    |
| 6-99 BEDS.....                | 6,336   | 2,523  | 3,812  | 36,438                                 | 14,848  | 21,590  | 5.8                               | 5.9  | 5.7    |
| 100-199 BEDS.....             | 7,481   | 2,955  | 4,526  | 47,797                                 | 20,324  | 27,472  | 6.4                               | 6.9  | 6.1    |
| 200-299 BEDS.....             | 5,990   | 2,454  | 3,536  | 40,806                                 | 17,424  | 23,382  | 6.8                               | 7.1  | 6.6    |
| 300-499 BEDS.....             | 10,041  | 4,024  | 6,017  | 73,543                                 | 31,213  | 42,330  | 7.3                               | 7.8  | 7.0    |
| 500 BEDS OR MORE.....         | 8,934   | 3,615  | 5,319  | 69,753                                 | 31,017  | 38,736  | 7.8                               | 8.6  | 7.3    |
| NORTHEAST, ALL SIZES.....     | 7,793   | 3,202  | 4,591  | 63,128                                 | 27,309  | 35,819  | 8.1                               | 8.5  | 7.8    |
| 6-99 BEDS.....                | 718   | 338    | 380    | 5,829                                  | 2,811   | 3,019   | 8.1                               | 8.3  | 8.0    |
| 100-199 BEDS.....             | 1,288   | 522    | 766    | 9,306                                  | 3,739   | 5,567   | 7.2                               | 7.2  | 7.3    |
| 200-299 BEDS.....             | 1,128   | 476    | 652    | 9,467                                  | 3,919   | 5,549   | 8.4                               | 8.2  | 8.5    |
| 300-499 BEDS.....             | 2,733   | 1,091  | 1,642  | 22,080                                 | 9,315   | 12,765  | 8.1                               | 8.5  | 7.8    |
| 500 BEDS OR MORE.....         | 1,926   | 775    | 1,151  | 16,445                                 | 7,525   | 8,920   | 8.5                               | 9.7  | 7.7    |
| NORTH CENTRAL, ALL SIZES..... | 10,492  | 4,310  | 6,183  | 75,349                                 | 32,458  | 42,891  | 7.2                               | 7.5  | 6.9    |
| 6-99 BEDS.....                | 1,510   | 586    | 924    | 8,778                                  | 3,403   | 5,375   | 5.8                               | 5.8  | 5.8    |
| 100-199 BEDS.....             | 1,300   | 525    | 775    | 9,086                                  | 3,912   | 5,173   | 7.0                               | 7.5  | 6.7    |
| 200-299 BEDS.....             | 1,542   | 618    | 924    | 10,301                                 | 4,318   | 5,983   | 6.7                               | 7.0  | 6.5    |
| 300-499 BEDS.....             | 3,009   | 1,266  | 1,743  | 22,128                                 | 9,635   | 12,493  | 7.4                               | 7.6  | 7.2    |
| 500 BEDS OR MORE.....         | 3,132   | 1,315  | 1,818  | 25,055                                 | 11,189  | 13,866  | 8.0                               | 8.5  | 7.6    |
| SOUTH, ALL SIZES.....         | 13,884  | 5,422  | 8,462  | 91,090                                 | 38,260  | 52,830  | 6.6                               | 7.1  | 6.2    |
| 6-99 BEDS.....                | 2,748   | 1,081  | 1,667  | 15,647                                 | 6,201   | 9,446   | 5.7                               | 5.7  | 5.7    |
| 100-199 BEDS.....             | 3,612   | 1,359  | 2,253  | 21,238                                 | 8,765   | 12,473  | 5.9                               | 6.5  | 5.5    |
| 200-299 BEDS.....             | 2,118   | 880    | 1,238  | 14,359                                 | 6,418   | 7,940   | 6.8                               | 7.3  | 6.4    |
| 300-499 BEDS.....             | 2,208   | 851    | 1,357  | 16,139                                 | 6,642   | 9,497   | 7.3                               | 7.8  | 7.0    |
| 500 BEDS OR MORE.....         | 3,198   | 1,252  | 1,946  | 23,707                                 | 10,233  | 13,474  | 7.4                               | 8.2  | 6.9    |
| WEST, ALL SIZES.....          | 6,614   | 2,640  | 3,974  | 38,770                                 | 16,800  | 21,970  | 5.9                               | 6.4  | 5.5    |
| 6-99 BEDS.....                | 1,360   | 518    | 842    | 6,184                                  | 2,433   | 3,751   | 4.5                               | 4.7  | 4.5    |
| 100-199 BEDS.....             | 1,281   | 549    | 732    | 8,167                                  | 3,908   | 4,259   | 6.4                               | 7.1  | 5.8    |
| 200-299 BEDS.....             | 1,202   | 481    | 722    | 6,679                                  | 2,769   | 3,910   | 5.6                               | 5.8  | 5.4    |
| 300-499 BEDS.....             | 2,092   | 817    | 1,275  | 13,195                                 | 5,620   | 7,575   | 6.3                               | 6.9  | 5.9    |
| 500 BEDS OR MORE.....         | 678   | 275    | 404    | 4,546                                  | 2,070   | 2,476   | 6.7                               | 7.5  | 6.1    |
| UNDER 15 YEARS                |   |        |        |  |         |         |                                   |      |        |
| UNITED STATES, ALL SIZES..... | 3,654   | 2,084  | 1,570  | 16,682                                 | 9,420   | 7,262   | 4.6                               | 4.5  | 4.6    |
| 6-99 BEDS.....                | 544   | 315    | 229    | 1,716                                  | 1,010   | 706     | 3.2                               | 3.2  | 3.1    |
| 100-199 BEDS.....             | 929   | 508    | 422    | 4,004                                  | 2,157   | 1,846   | 4.3                               | 4.2  | 4.4    |
| 200-299 BEDS.....             | 526   | 305    | 222    | 2,404                                  | 1,361   | 1,043   | 4.6                               | 4.5  | 4.7    |
| 300-499 BEDS.....             | 814   | 473    | 341    | 3,587                                  | 1,955   | 1,632   | 4.4                               | 4.1  | 4.8    |
| 500 BEDS OR MORE.....         | 841   | 484    | 357    | 4,971                                  | 2,937   | 2,034   | 5.9                               | 6.1  | 5.7    |
| NORTHEAST, ALL SIZES.....     | 682   | 403    | 279    | 3,064                                  | 1,813   | 1,251   | 4.5                               | 4.5  | 4.5    |
| 6-99 BEDS.....                | 42  | 25     | 18     | 156                                    | 94      | 61      | 3.7                               | 3.8  | 3.5    |
| 100-199 BEDS.....             | 98  | 59     | 39     | 355                                    | 203     | 152     | 3.6                               | 3.5  | 3.9    |
| 200-299 BEDS.....             | 82  | 46     | 36     | 337                                    | 193     | 144     | 4.1                               | 4.2  | 4.0    |
| 300-499 BEDS.....             | 246   | 150    | 96     | 1,122                                  | 634     | 489     | 4.6                               | 4.2  | 5.1    |
| 500 BEDS OR MORE.....         | 215   | 124    | 91     | 1,095                                  | 669     | 406     | 5.1                               | 5.6  | 4.5    |
| NORTH CENTRAL, ALL SIZES..... | 987   | 583    | 404    | 4,706                                  | 2,738   | 1,968   | 4.8                               | 4.7  | 4.9    |
| 6-99 BEDS.....                | 124   | 77     | 47     | 377                                    | 232     | 145     | 3.0                               | 3.0  | 3.1    |
| 100-199 BEDS.....             | 142   | 77     | 65     | 559                                    | 297     | 262     | 3.9                               | 3.8  | 4.0    |
| 200-299 BEDS.....             | 196   | 119    | 77     | 1,015                                  | 594     | 421     | 5.2                               | 5.0  | 5.4    |
| 300-499 BEDS.....             | 240   | 139    | 101    | 924                                    | 502     | 422     | 3.9                               | 3.6  | 4.2    |
| 500 BEDS OR MORE.....         | 285   | 172    | 114    | 1,831                                  | 1,113   | 718     | 6.4                               | 6.5  | 6.3    |
| SOUTH, ALL SIZES.....         | 1,507   | 835    | 671    | 6,988                                  | 3,883   | 3,105   | 4.6                               | 4.6  | 4.6    |
| 6-99 BEDS.....                | 274   | 157    | 117    | 924                                    | 543     | 381     | 3.4                               | 3.5  | 3.3    |
| 100-199 BEDS.....             | 596   | 321    | 275    | 2,707                                  | 1,458   | 1,249   | 4.5                               | 4.5  | 4.5    |
| 200-299 BEDS.....             | 166   | 96     | 70     | 715                                    | 428     | 287     | 4.3                               | 4.5  | 4.1    |
| 300-499 BEDS.....             | 187   | 106    | 81     | 917                                    | 518     | 399     | 4.9                               | 4.9  | 4.9    |
| 500 BEDS OR MORE.....         | 284   | 156    | 129    | 1,725                                  | 937     | 788     | 6.1                               | 6.0  | 6.1    |
| WEST, ALL SIZES.....          | 478   | 263    | 215    | 1,923                                  | 986     | 937     | 4.0                               | 3.7  | 4.4    |
| 6-99 BEDS.....                | 104   | 57     | 47     | 260                                    | 142     | 118     | 2.5                               | 2.5  | 2.5    |
| 100-199 BEDS.....             | 93  | 50     | 43     | 383                                    | 200     | 183     | 4.1                               | 4.0  | 4.3    |
| 200-299 BEDS.....             | 83  | 44     | 39     | 337                                    | 146     | 191     | 4.1                               | 3.3  | 5.0    |
| 300-499 BEDS.....             | 142   | 73     | 64     | 623                                    | 301     | 322     | 4.4                               | 3.8  | 5.1    |
| 500 BEDS OR MORE.....         | 56  | 33     | 23     | 320                                    | 198     | 123     | 5.7                               | 6.0  | 5.2    |

TABLE 4. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY AGE, GEOGRAPHIC REGION, BED SIZE OF HOSPITAL, AND SEX: UNITED STATES, 1983--CON.

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| AGE, REGION, AND BED SIZE     | BOTH SEXES                                    | MALE  | FEMALE | BOTH SEXES                             | MALE   | FEMALE | BOTH SEXES                        | MALE | FEMALE |
|-------------------------------|---|-------|--------|--|--------|--------|-----------------------------------|------|--------|
| <b>15-44 YEARS</b>            |   |       |        |  |        |        |                                   |      |        |
|                               | NUMBER OF PATIENTS DISCHARGED<br>IN THOUSANDS |       |        | NUMBER OF DAYS OF CARE<br>IN THOUSANDS |        |        | AVERAGE LENGTH OF STAY<br>IN DAYS |      |        |
| UNITED STATES, ALL SIZES..... | 15,269  | 4,524 | 10,745 | 76,971                                 | 27,839 | 49,132 | 5.0                               | 6.2  | 4.6    |
| 6-99 BEDS.....                | 2,319   | 708   | 1,611  | 9,504                                  | 3,307  | 6,197  | 4.1                               | 4.7  | 3.8    |
| 100-199 BEDS.....             | 2,942   | 857   | 2,085  | 13,869                                 | 5,068  | 8,802  | 4.7                               | 5.9  | 4.2    |
| 200-299 BEDS.....             | 2,235   | 693   | 1,541  | 10,386                                 | 3,777  | 6,609  | 4.6                               | 5.4  | 4.3    |
| 300-499 BEDS.....             | 3,990   | 1,170 | 2,820  | 21,246                                 | 7,544  | 13,702 | 5.3                               | 6.4  | 4.9    |
| 500 BEDS OR MORE.....         | 3,782   | 1,096 | 2,687  | 21,965                                 | 8,143  | 13,822 | 5.8                               | 7.4  | 5.1    |
| NORTHEAST, ALL SIZES.....     | 2,955   | 919   | 2,036  | 15,861                                 | 6,060  | 9,800  | 5.4                               | 6.6  | 4.8    |
| 6-99 BEDS.....                | 279   | 132   | 147    | 1,716                                  | 950    | 765    | 6.2                               | 7.2  | 5.2    |
| 100-199 BEDS.....             | 430   | 137   | 293    | 1,991                                  | 724    | 1,267  | 4.6                               | 5.3  | 4.3    |
| 200-299 BEDS.....             | 394   | 136   | 258    | 2,065                                  | 804    | 1,261  | 5.2                               | 5.9  | 4.9    |
| 300-499 BEDS.....             | 1,043   | 285   | 758    | 5,463                                  | 1,828  | 3,635  | 5.2                               | 6.4  | 4.8    |
| 500 BEDS OR MORE.....         | 810   | 228   | 582    | 4,626                                  | 1,754  | 2,872  | 5.7                               | 7.7  | 4.9    |
| NORTH CENTRAL, ALL SIZES..... | 4,042   | 1,239 | 2,803  | 22,353                                 | 8,001  | 14,352 | 5.5                               | 6.5  | 5.1    |
| 6-99 BEDS.....                | 503   | 138   | 365    | 2,059                                  | 588    | 1,471  | 4.1                               | 4.3  | 4.0    |
| 100-199 BEDS.....             | 502   | 157   | 346    | 2,812                                  | 1,104  | 1,708  | 5.6                               | 7.0  | 4.9    |
| 200-299 BEDS.....             | 586   | 169   | 417    | 2,735                                  | 881    | 1,854  | 4.7                               | 5.2  | 4.4    |
| 300-499 BEDS.....             | 1,187   | 399   | 789    | 6,933                                  | 2,581  | 4,353  | 5.8                               | 6.5  | 5.5    |
| 500 BEDS OR MORE.....         | 1,264   | 377   | 887    | 7,814                                  | 2,847  | 4,967  | 6.2                               | 7.6  | 5.6    |
| SOUTH, ALL SIZES.....         | 5,517   | 1,546 | 3,971  | 26,591                                 | 9,190  | 17,401 | 4.8                               | 5.9  | 4.4    |
| 6-99 BEDS.....                | 965   | 274   | 691    | 3,840                                  | 1,185  | 2,655  | 4.0                               | 4.3  | 3.8    |
| 100-199 BEDS.....             | 1,528   | 401   | 1,127  | 6,531                                  | 2,166  | 4,366  | 4.3                               | 5.4  | 3.9    |
| 200-299 BEDS.....             | 757   | 235   | 523    | 3,608                                  | 1,351  | 2,258  | 4.8                               | 5.8  | 4.3    |
| 300-499 BEDS.....             | 887   | 247   | 640    | 4,760                                  | 1,656  | 3,105  | 5.4                               | 6.7  | 4.9    |
| 500 BEDS OR MORE.....         | 1,380   | 389   | 991    | 7,852                                  | 2,834  | 5,018  | 5.7                               | 7.3  | 5.1    |
| WEST, ALL SIZES.....          | 2,754   | 820   | 1,934  | 12,166                                 | 4,587  | 7,579  | 4.4                               | 5.6  | 3.9    |
| 6-99 BEDS.....                | 573   | 164   | 409    | 1,890                                  | 584    | 1,306  | 3.3                               | 3.6  | 3.2    |
| 100-199 BEDS.....             | 483   | 163   | 320    | 2,535                                  | 1,074  | 1,461  | 5.3                               | 6.6  | 4.6    |
| 200-299 BEDS.....             | 498   | 153   | 345    | 1,978                                  | 742    | 1,236  | 4.0                               | 4.8  | 3.6    |
| 300-499 BEDS.....             | 872   | 238   | 634    | 4,089                                  | 1,480  | 2,610  | 4.7                               | 6.2  | 4.1    |
| 500 BEDS OR MORE.....         | 328   | 101   | 227    | 1,673                                  | 708    | 965    | 5.1                               | 7.0  | 4.3    |
| <b>45-64 YEARS</b>            |   |       |        |  |        |        |                                   |      |        |
| UNITED STATES, ALL SIZES..... | 8,558   | 4,159 | 4,400  | 65,029                                 | 31,542 | 33,487 | 7.6                               | 7.6  | 7.6    |
| 6-99 BEDS.....                | 1,331   | 611   | 721    | 7,931                                  | 3,636  | 4,295  | 6.0                               | 6.0  | 6.0    |
| 100-199 BEDS.....             | 1,480   | 697   | 783    | 10,289                                 | 4,860  | 5,429  | 7.0                               | 7.0  | 6.9    |
| 200-299 BEDS.....             | 1,290   | 635   | 655    | 9,544                                  | 4,631  | 4,913  | 7.4                               | 7.3  | 7.5    |
| 300-499 BEDS.....             | 2,354   | 1,156 | 1,198  | 18,893                                 | 9,077  | 9,815  | 8.0                               | 7.9  | 8.2    |
| 500 BEDS OR MORE.....         | 2,103   | 1,060 | 1,043  | 18,373                                 | 9,337  | 9,036  | 8.7                               | 8.8  | 8.7    |
| NORTHEAST, ALL SIZES.....     | 1,783   | 885   | 898    | 15,389                                 | 7,714  | 7,675  | 8.6                               | 8.7  | 8.5    |
| 6-99 BEDS.....                | 169   | 92    | 77     | 1,393                                  | 783    | 610    | 8.2                               | 8.5  | 8.0    |
| 100-199 BEDS.....             | 286   | 137   | 149    | 1,981                                  | 888    | 1,092  | 6.9                               | 6.5  | 7.4    |
| 200-299 BEDS.....             | 265   | 132   | 132    | 2,256                                  | 1,150  | 1,105  | 8.5                               | 8.7  | 8.3    |
| 300-499 BEDS.....             | 641   | 320   | 321    | 5,522                                  | 2,730  | 2,792  | 8.6                               | 8.5  | 8.7    |
| 500 BEDS OR MORE.....         | 423   | 204   | 219    | 4,238                                  | 2,163  | 2,075  | 10.0                              | 10.6 | 9.5    |
| NORTH CENTRAL, ALL SIZES..... | 2,366   | 1,141 | 1,225  | 18,391                                 | 8,739  | 9,652  | 7.8                               | 7.7  | 7.9    |
| 6-99 BEDS.....                | 311   | 127   | 184    | 1,791                                  | 717    | 1,074  | 5.8                               | 5.6  | 5.8    |
| 100-199 BEDS.....             | 262   | 124   | 139    | 2,005                                  | 936    | 1,068  | 7.6                               | 7.6  | 7.7    |
| 200-299 BEDS.....             | 299   | 144   | 154    | 2,241                                  | 1,042  | 1,199  | 7.5                               | 7.2  | 7.8    |
| 300-499 BEDS.....             | 709   | 343   | 366    | 5,574                                  | 2,651  | 2,923  | 7.9                               | 7.7  | 8.0    |
| 500 BEDS OR MORE.....         | 785   | 402   | 382    | 6,780                                  | 3,392  | 3,388  | 8.6                               | 8.4  | 8.9    |
| SOUTH, ALL SIZES.....         | 3,001   | 1,438 | 1,563  | 22,340                                 | 10,728 | 11,612 | 7.4                               | 7.5  | 7.4    |
| 6-99 BEDS.....                | 558   | 259   | 300    | 3,317                                  | 1,485  | 1,832  | 5.9                               | 5.7  | 6.1    |
| 100-199 BEDS.....             | 649   | 297   | 352    | 4,549                                  | 2,110  | 2,438  | 7.0                               | 7.1  | 6.9    |
| 200-299 BEDS.....             | 508   | 246   | 262    | 3,748                                  | 1,783  | 1,965  | 7.4                               | 7.2  | 7.5    |
| 300-499 BEDS.....             | 531   | 255   | 276    | 4,488                                  | 2,093  | 2,395  | 8.4                               | 8.2  | 8.7    |
| 500 BEDS OR MORE.....         | 754   | 382   | 373    | 6,239                                  | 3,258  | 2,981  | 8.3                               | 8.5  | 8.0    |
| WEST, ALL SIZES.....          | 1,409   | 694   | 714    | 8,909                                  | 4,361  | 4,548  | 6.3                               | 6.3  | 6.4    |
| 6-99 BEDS.....                | 293   | 133   | 160    | 1,430                                  | 651    | 779    | 4.9                               | 4.9  | 4.9    |
| 100-199 BEDS.....             | 283   | 139   | 144    | 1,755                                  | 925    | 829    | 6.2                               | 6.7  | 5.8    |
| 200-299 BEDS.....             | 219   | 112   | 106    | 1,299                                  | 656    | 643    | 5.9                               | 5.8  | 6.1    |
| 300-499 BEDS.....             | 473   | 238   | 235    | 3,310                                  | 1,604  | 1,706  | 7.0                               | 6.7  | 7.3    |
| 500 BEDS OR MORE.....         | 142   | 72    | 69     | 1,116                                  | 525    | 591    | 7.9                               | 7.2  | 8.5    |

TABLE 4. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY AGE, GEOGRAPHIC REGION, BED SIZE OF HOSPITAL, AND SEX: UNITED STATES, 1983--CON.

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| AGE, REGION, AND BED SIZE     | BOTH SEXES  | MALE  | FEMALE | BOTH SEXES                                     | MALE   | FEMALE | BOTH SEXES                                | MALE | FEMALE |
|-------------------------------|---|-------|--------|--|--------|--------|---|------|--------|
| <b>65 YEARS AND OVER</b>      | <b>NUMBER OF PATIENTS DISCHARGED<br/>IN THOUSANDS</b> |       |        | <b>NUMBER OF DAYS OF CARE<br/>IN THOUSANDS</b> |        |        | <b>AVERAGE LENGTH OF STAY<br/>IN DAYS</b> |      |        |
| UNITED STATES, ALL SIZES..... | 11,302  | 4,806 | 6,496  | 109,655  | 46,025 | 63,630 | 9.7                                       | 9.6  | 9.8    |
| 6-99 BEDS.....                | 2,141   | 890   | 1,252  | 17,287   | 6,895  | 10,392 | 8.1                                       | 7.7  | 8.3    |
| 100-199 BEDS.....             | 2,130   | 894   | 1,236  | 19,635   | 8,239  | 11,396 | 9.2                                       | 9.2  | 9.2    |
| 200-299 BEDS.....             | 1,939   | 821   | 1,118  | 18,472   | 7,655  | 10,817 | 9.5                                       | 9.3  | 9.7    |
| 300-499 BEDS.....             | 2,883   | 1,225 | 1,658  | 29,817   | 12,636 | 17,181 | 10.3                                      | 10.3 | 10.4   |
| 500 BEDS OR MORE.....         | 2,208   | 976   | 1,232  | 24,444   | 10,600 | 13,844 | 11.1                                      | 10.9 | 11.2   |
| NORTHEAST, ALL SIZES.....     | 2,373   | 995   | 1,377  | 28,814   | 11,722 | 17,092 | 12.1                                      | 11.8 | 12.4   |
| 6-99 BEDS.....                | 228   | 89    | 139    | 2,565  | 984    | 1,582  | 11.3                                      | 11.0 | 11.4   |
| 100-199 BEDS.....             | 475   | 189   | 286    | 4,979  | 1,923  | 3,056  | 10.5                                      | 10.2 | 10.7   |
| 200-299 BEDS.....             | 388   | 162   | 226    | 4,810  | 1,772  | 3,038  | 12.4                                      | 11.0 | 13.4   |
| 300-499 BEDS.....             | 803   | 336   | 467    | 9,973  | 4,124  | 5,850  | 12.4                                      | 12.3 | 12.5   |
| 500 BEDS OR MORE.....         | 479   | 219   | 260    | 6,486  | 2,920  | 3,567  | 13.5                                      | 13.3 | 13.7   |
| NORTH CENTRAL, ALL SIZES..... | 3,097   | 1,346 | 1,751  | 29,898   | 12,979 | 16,919 | 9.7                                       | 9.6  | 9.7    |
| 6-99 BEDS.....                | 572   | 244   | 328    | 4,551  | 1,866  | 2,686  | 8.0                                       | 7.6  | 8.2    |
| 100-199 BEDS.....             | 393   | 168   | 225    | 3,711  | 1,575  | 2,135  | 9.4                                       | 9.4  | 9.5    |
| 200-299 BEDS.....             | 461   | 186   | 276    | 4,309  | 1,800  | 2,509  | 9.3                                       | 9.7  | 9.1    |
| 300-499 BEDS.....             | 872   | 384   | 488    | 8,697  | 3,901  | 4,796  | 10.0                                      | 10.1 | 9.8    |
| 500 BEDS OR MORE.....         | 798   | 363   | 434    | 8,630  | 3,836  | 4,794  | 10.8                                      | 10.6 | 11.0   |
| SOUTH, ALL SIZES.....         | 3,859   | 1,602 | 2,256  | 35,171   | 14,458 | 20,713 | 9.1                                       | 9.0  | 9.2    |
| 6-99 BEDS.....                | 951   | 392   | 559    | 7,566  | 2,989  | 4,577  | 8.0                                       | 7.6  | 8.2    |
| 100-199 BEDS.....             | 839   | 340   | 500    | 7,451  | 3,032  | 4,419  | 8.9                                       | 8.9  | 8.8    |
| 200-299 BEDS.....             | 687   | 303   | 384    | 6,287  | 2,856  | 3,431  | 9.2                                       | 9.4  | 8.9    |
| 300-499 BEDS.....             | 603   | 242   | 360    | 5,974  | 2,376  | 3,598  | 9.9                                       | 9.8  | 10.0   |
| 500 BEDS OR MORE.....         | 779   | 325   | 454    | 7,892  | 3,205  | 4,687  | 10.1                                      | 9.9  | 10.3   |
| WEST, ALL SIZES.....          | 1,974   | 862   | 1,111  | 15,772   | 6,866  | 8,906  | 8.0                                       | 8.0  | 8.0    |
| 6-99 BEDS.....                | 391   | 164   | 226    | 2,604  | 1,057  | 1,548  | 6.7                                       | 6.4  | 6.8    |
| 100-199 BEDS.....             | 423   | 197   | 226    | 3,494  | 1,708  | 1,785  | 8.3                                       | 8.7  | 7.9    |
| 200-299 BEDS.....             | 403   | 171   | 232    | 3,065  | 1,226  | 1,839  | 7.6                                       | 7.2  | 7.9    |
| 300-499 BEDS.....             | 605   | 262   | 343    | 5,173  | 2,235  | 2,938  | 8.5                                       | 8.5  | 8.6    |
| 500 BEDS OR MORE.....         | 152   | 68    | 84     | 1,436  | 640    | 796    | 9.5                                       | 9.4  | 9.5    |

TABLE 5. RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, BY AGE, GEOGRAPHIC REGION, AND SEX: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| AGE AND REGION     | BOTH SEXES  | MALE  | FEMALE | BOTH SEXES                                   | MALE    | FEMALE  |
|--------------------|---|-------|--------|--|---------|---------|
| ALL AGES           |   |       |        |  |         |         |
|                    | RATE OF PATIENTS DISCHARGED<br>PER 1,000 POPULATION |       |        | RATE OF DAYS OF CARE<br>PER 1,000 POPULATION |         |         |
| UNITED STATES..... | 167.0   | 138.8 | 193.2  | 1,155.2                                      | 1,023.7 | 1,278.0 |
| NORTHEAST.....     | 157.7   | 136.0 | 177.5  | 1,277.7                                      | 1,159.7 | 1,385.3 |
| NORTH CENTRAL..... | 178.4   | 151.1 | 204.1  | 1,281.3                                      | 1,138.1 | 1,416.1 |
| SOUTH.....         | 176.5   | 143.4 | 207.3  | 1,158.2                                      | 1,011.7 | 1,294.0 |
| WEST.....          | 145.6   | 118.5 | 171.7  | 853.5  | 754.0   | 949.4   |
| UNDER 15 YEARS     |   |       |        |  |         |         |
| UNITED STATES..... | 70.8  | 79.0  | 62.3   | 323.4  | 357.0   | 288.1   |
| NORTHEAST.....     | 68.8  | 79.4  | 57.6   | 309.0  | 357.5   | 258.3   |
| NORTH CENTRAL..... | 74.5  | 86.0  | 62.4   | 355.0  | 403.4   | 304.2   |
| SOUTH.....         | 83.9  | 91.0  | 76.5   | 389.3  | 423.3   | 353.8   |
| WEST.....          | 45.7  | 49.1  | 42.1   | 183.8  | 184.2   | 183.3   |
| 15-44 YEARS        |   |       |        |  |         |         |
| UNITED STATES..... | 140.3   | 84.3  | 194.8  | 707.5  | 519.0   | 890.8   |
| NORTHEAST.....     | 129.3   | 82.2  | 174.4  | 694.0  | 542.1   | 839.5   |
| NORTH CENTRAL..... | 147.6   | 91.1  | 203.2  | 816.1  | 588.5   | 1,040.4 |
| SOUTH.....         | 150.7   | 86.3  | 212.4  | 726.3  | 513.0   | 930.8   |
| WEST.....          | 125.5   | 74.9  | 175.9  | 554.5  | 419.0   | 689.5   |
| 45-64 YEARS        |   |       |        |  |         |         |
| UNITED STATES..... | 192.2   | 196.6 | 188.3  | 1,460.6                                      | 1,491.0 | 1,433.1 |
| NORTHEAST.....     | 174.2   | 183.9 | 165.6  | 1,503.4                                      | 1,602.7 | 1,415.3 |
| NORTH CENTRAL..... | 213.6   | 215.0 | 212.3  | 1,660.3                                      | 1,646.4 | 1,673.0 |
| SOUTH.....         | 201.2   | 205.0 | 197.9  | 1,498.1                                      | 1,529.4 | 1,470.4 |
| WEST.....          | 169.8   | 172.8 | 166.9  | 1,073.9                                      | 1,085.3 | 1,063.2 |
| 65 YEARS AND OVER  |   |       |        |  |         |         |
| UNITED STATES..... | 412.7   | 437.2 | 396.3  | 4,004.3                                      | 4,187.2 | 3,881.8 |
| NORTHEAST.....     | 370.6   | 400.4 | 351.7  | 4,500.8                                      | 4,715.2 | 4,364.7 |
| NORTH CENTRAL..... | 437.1   | 475.6 | 411.4  | 4,220.0                                      | 4,586.3 | 3,975.4 |
| SOUTH.....         | 420.7   | 431.8 | 413.2  | 3,834.6                                      | 3,896.0 | 3,792.8 |
| WEST.....          | 417.7   | 438.7 | 402.7  | 3,338.0                                      | 3,492.5 | 3,227.9 |

TABLE 6. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY TYPE OF OWNERSHIP OF HOSPITAL AND AGE AND SEX OF PATIENT: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

| TYPE OF OWNERSHIP AND AGE | BOTH SEXES                                    | MALE   | FEMALE | BOTH SEXES                             | MALE    | FEMALE  | BOTH SEXES                        | MALE | FEMALE |
|---------------------------|---|--------|--------|--|---------|---------|-----------------------------------|------|--------|
| ALL TYPES                 |   |        |        |  |         |         |                                   |      |        |
|                           | NUMBER OF PATIENTS DISCHARGED<br>IN THOUSANDS |        |        | NUMBER OF DAYS OF CARE<br>IN THOUSANDS |         |         | AVERAGE LENGTH OF STAY<br>IN DAYS |      |        |
| ALL AGES.....             | 38,783  | 15,573 | 23,210 | 268,337                                | 114,827 | 153,510 | 6.9                               | 7.4  | 6.6    |
| UNDER 15 YEARS.....       | 3,654   | 2,084  | 1,570  | 16,682                                 | 9,420   | 7,262   | 4.6                               | 4.5  | 4.6    |
| 15-44 YEARS.....          | 15,269  | 4,524  | 10,745 | 76,971                                 | 27,839  | 49,132  | 5.0                               | 6.2  | 4.6    |
| 45-64 YEARS.....          | 8,558   | 4,159  | 4,400  | 65,029                                 | 31,542  | 33,487  | 7.6                               | 7.6  | 7.6    |
| 65 YEARS AND OVER.....    | 11,302  | 4,806  | 6,496  | 109,655                                | 46,025  | 63,630  | 9.7                               | 9.6  | 9.8    |
| VOLUNTARY NONPROFIT       |   |        |        |  |         |         |                                   |      |        |
| ALL AGES.....             | 26,726  | 10,665 | 16,061 | 190,350                                | 81,231  | 109,118 | 7.1                               | 7.6  | 6.8    |
| UNDER 15 YEARS.....       | 2,558   | 1,475  | 1,083  | 11,867                                 | 6,800   | 5,067   | 4.6                               | 4.6  | 4.7    |
| 15-44 YEARS.....          | 10,278  | 2,912  | 7,366  | 51,600                                 | 17,999  | 33,601  | 5.0                               | 6.2  | 4.6    |
| 45-64 YEARS.....          | 5,965   | 2,892  | 3,073  | 46,496                                 | 22,445  | 24,050  | 7.8                               | 7.8  | 7.8    |
| 65 YEARS AND OVER.....    | 7,925   | 3,385  | 4,540  | 80,387                                 | 33,987  | 46,400  | 10.1                              | 10.0 | 10.2   |
| GOVERNMENT                |   |        |        |  |         |         |                                   |      |        |
| ALL AGES.....             | 8,190   | 3,336  | 4,854  | 51,661                                 | 22,497  | 29,164  | 6.3                               | 6.7  | 6.0    |
| UNDER 15 YEARS.....       | 837   | 471    | 366    | 3,884                                  | 2,159   | 1,726   | 4.6                               | 4.6  | 4.7    |
| 15-44 YEARS.....          | 3,474   | 1,086  | 2,388  | 17,226                                 | 6,557   | 10,669  | 5.0                               | 6.0  | 4.5    |
| 45-64 YEARS.....          | 1,655   | 823    | 832    | 12,003                                 | 5,972   | 6,031   | 7.3                               | 7.3  | 7.3    |
| 65 YEARS AND OVER.....    | 2,224   | 956    | 1,267  | 18,548                                 | 7,809   | 10,738  | 8.3                               | 8.2  | 8.5    |
| PROPRIETARY               |   |        |        |  |         |         |                                   |      |        |
| ALL AGES.....             | 3,867   | 1,572  | 2,295  | 26,327                                 | 11,099  | 15,228  | 6.8                               | 7.1  | 6.6    |
| UNDER 15 YEARS.....       | 259   | 138    | 121    | 930                                    | 461     | 469     | 3.6                               | 3.3  | 3.9    |
| 15-44 YEARS.....          | 1,516   | 526    | 990    | 8,145                                  | 3,283   | 4,862   | 5.4                               | 6.2  | 4.9    |
| 45-64 YEARS.....          | 939   | 443    | 495    | 6,531                                  | 3,125   | 3,406   | 7.0                               | 7.0  | 6.9    |
| 65 YEARS AND OVER.....    | 1,153   | 464    | 688    | 10,721                                 | 4,230   | 6,491   | 9.3                               | 9.1  | 9.4    |

TABLE 7. NUMBER, PERCENT DISTRIBUTION, AND RATE OF WOMEN WITH DELIVERIES DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, AND AVERAGE LENGTH OF STAY, BY AGE, RACE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL HOSPITALS)

| AGE, RACE, REGION, AND BED SIZE | DISCHARGED PATIENTS |                      |                           | DAYS OF CARE        |                      |                           | AVERAGE LENGTH OF STAY IN DAYS |
|---------------------------------|---------------------|----------------------|---------------------------|---------------------|----------------------|---------------------------|--------------------------------|
|                                 | NUMBER IN THOUSANDS | PERCENT DISTRIBUTION | RATE PER 1,000 POPULATION | NUMBER IN THOUSANDS | PERCENT DISTRIBUTION | RATE PER 1,000 POPULATION |                                |
| 10-54 YEARS.....                | 3,976               | 100.0                | 52.7                      | 14,117              | 100.0                | 187.3                     | 3.6                            |
| AGE                             |                     |                      |                           |                     |                      |                           |                                |
| 10-14 YEARS.....                | 11                  | 0.3                  | 1.3                       | 33                  | 0.2                  | 3.8                       | 3.0                            |
| 15-44 YEARS.....                | 3,962               | 99.7                 | 71.8                      | 14,068              | 99.6                 | 255.1                     | 3.6                            |
| 15-19 YEARS.....                | 522                 | 13.1                 | 55.6                      | 1,678               | 11.9                 | 178.7                     | 3.2                            |
| 20-24 YEARS.....                | 1,255               | 31.6                 | 117.2                     | 4,237               | 30.0                 | 395.6                     | 3.4                            |
| 25-29 YEARS.....                | 1,280               | 32.2                 | 121.7                     | 4,533               | 32.1                 | 430.9                     | 3.5                            |
| 30-34 YEARS.....                | 681                 | 17.1                 | 71.1                      | 2,677               | 19.0                 | 279.3                     | 3.9                            |
| 35-44 YEARS.....                | 223                 | 5.6                  | 14.9                      | 943                 | 6.7                  | 63.1                      | 4.2                            |
| 45-54 YEARS.....                | *                   | *                    | *                         | *                   | *                    | *                         | *                              |
| 10-17 YEARS.....                | 191                 | 4.8                  | 13.6                      | 609                 | 4.3                  | 43.3                      | 3.2                            |
| 18-54 YEARS.....                | 3,785               | 95.2                 | 61.7                      | 13,508              | 95.7                 | 220.4                     | 3.6                            |
| RACE                            |                     |                      |                           |                     |                      |                           |                                |
| WHITE.....                      | 2,764               | 69.5                 | 43.6                      | 9,854               | 69.8                 | 155.4                     | 3.6                            |
| ALL OTHER.....                  | 729                 | 18.3                 | 61.1                      | 2,717               | 19.2                 | 227.5                     | 3.7                            |
| RACE NOT STATED.....            | 482                 | 12.1                 | ...                       | 1,547               | 11.0                 | ...                       | 3.2                            |
| REGION                          |                     |                      |                           |                     |                      |                           |                                |
| NORTHEAST.....                  | 738                 | 18.6                 | 45.7                      | 3,137               | 22.2                 | 194.4                     | 4.3                            |
| NORTH CENTRAL.....              | 1,015               | 25.5                 | 54.0                      | 3,888               | 27.5                 | 206.7                     | 3.8                            |
| SOUTH.....                      | 1,435               | 36.1                 | 56.1                      | 4,891               | 34.6                 | 191.2                     | 3.4                            |
| WEST.....                       | 787                 | 19.8                 | 53.0                      | 2,202               | 15.6                 | 148.3                     | 2.8                            |
| BED SIZE                        |                     |                      |                           |                     |                      |                           |                                |
| 6-99 BEDS.....                  | 517                 | 13.0                 | ...                       | 1,524               | 10.8                 | ...                       | 2.9                            |
| 100-199 BEDS.....               | 738                 | 18.6                 | ...                       | 2,405               | 17.0                 | ...                       | 3.3                            |
| 200-299 BEDS.....               | 554                 | 13.9                 | ...                       | 1,875               | 13.3                 | ...                       | 3.4                            |
| 300-499 BEDS.....               | 1,101               | 27.7                 | ...                       | 4,089               | 29.0                 | ...                       | 3.7                            |
| 500 BEDS OR MORE.....           | 1,066               | 26.8                 | ...                       | 4,225               | 29.9                 | ...                       | 4.0                            |

TABLE 8. NUMBER OF WOMEN WITH DELIVERIES AND NUMBER OF DAYS OF CARE AND AVERAGE LENGTH OF STAY FOR WOMEN WITH DELIVERIES DISCHARGED FROM SHORT-STAY HOSPITALS, BY GEOGRAPHIC REGION AND BED SIZE OF HOSPITAL: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL HOSPITALS)

| REGION                                     | ALL SIZES | 6-99 BEDS | 100-199 BEDS | 200-299 BEDS | 300-499 BEDS | 500 BEDS OR MORE |
|--|-----------|-----------|--------------|--------------|--------------|------------------|
| NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |           |           |              |              |              |                  |
| UNITED STATES.....                         | 3,976     | 517       | 738          | 554          | 1,101        | 1,066            |
| NORTHEAST.....                             | 738       | 37        | 99           | 90           | 319          | 193              |
| NORTH CENTRAL.....                         | 1,015     | 112       | 114          | 168          | 279          | 343              |
| SOUTH.....                                 | 1,435     | 222       | 416          | 149          | 230          | 417              |
| WEST.....                                  | 787       | 146       | 110          | 147          | 272          | 113              |
| NUMBER OF DAYS OF CARE IN THOUSANDS        |           |           |              |              |              |                  |
| UNITED STATES.....                         | 14,117    | 1,524     | 2,405        | 1,875        | 4,089        | 4,225            |
| NORTHEAST.....                             | 3,137     | 126       | 383          | 371          | 1,363        | 894              |
| NORTH CENTRAL.....                         | 3,888     | 398       | 398          | 586          | 1,091        | 1,414            |
| SOUTH.....                                 | 4,891     | 635       | 1,333        | 516          | 836          | 1,570            |
| WEST.....                                  | 2,202     | 365       | 291          | 403          | 798          | 346              |
| AVERAGE LENGTH OF STAY IN DAYS             |           |           |              |              |              |                  |
| UNITED STATES.....                         | 3.6       | 2.9       | 3.3          | 3.4          | 3.7          | 4.0              |
| NORTHEAST.....                             | 4.3       | 3.4       | 3.9          | 4.1          | 4.3          | 4.6              |
| NORTH CENTRAL.....                         | 3.8       | 3.6       | 3.5          | 3.5          | 3.9          | 4.1              |
| SOUTH.....                                 | 3.4       | 2.9       | 3.2          | 3.5          | 3.6          | 3.8              |
| WEST.....                                  | 2.8       | 2.5       | 2.6          | 2.7          | 2.9          | 3.1              |



TABLE 9. 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, 1983

(DISCHARGES FROM NONFEDERAL 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 |
|---|----------|----------------|-------------|-------------|-------------------|
|   |          |                |             |             |                   |
| 01 ALL CONDITIONS.....  | 38,783   | 3,654          | 15,269      | 8,558       | 11,302            |
| 02 INFECTIOUS AND PARASITIC DISEASES.....001-139  | 677      | 208            | 237         | 91          | 142               |
| 03 NEOPLASMS.....140-239  | 2,642    | 70             | 469         | 918         | 1,185             |
| 04 MALIGNANT NEOPLASMS.....1/ 140-208,230-234   | 2,065    | 44             | 223         | 738         | 1,059             |
| 05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197,0,197,3                              | 339      | *              | 12          | 151         | 176               |
| 06 MALIGNANT NEOPLASM OF BREAST.....174-175,198-81  | 244      | *              | 35          | 102         | 107               |
| 07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....1/ 210-229,235-239 | 577      | 26             | 245         | 180         | 126               |
| 08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279                  | 1,207    | 74             | 295         | 365         | 474               |
| 09 DIABETES MELLITUS.....250  | 675      | 27             | 156         | 237         | 255               |
| 10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289   | 360      | 61             | 87          | 63          | 149               |
| 11 ANEMIAS.....280-285  | 247      | 23             | 53          | 45          | 124               |
| 12 MENTAL DISORDERS.....290-319   | 1,701    | 49             | 950         | 424         | 277               |
| 13 PSYCHOSES.....290-299  | 576      | *5             | 294         | 152         | 125               |
| 14 NEUROTIC AND PERSONALITY DISORDERS.....300-301   | 264      | *5             | 164         | 60          | 34                |
| 15 ALCOHOL DEPENDENCE SYNDROME.....303  | 388      | *              | 227         | 131         | 29                |
| 16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389  | 1,878    | 313            | 355         | 384         | 825               |
| 17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349   | 429      | 63             | 140         | 90          | 136               |
| 18 CATARACT.....366   | 594      | *              | 15          | 98          | 478               |
| 19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389  | 360      | 186            | 64          | 56          | 54                |
| 20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459   | 5,654    | 38             | 530         | 1,842       | 3,244             |
| 21 ESSENTIAL HYPERTENSION.....401   | 330      | *              | 57          | 138         | 135               |
| 22 HEART DISEASE.....391-392,0,393-398,402,404,410-416,420-429  | 3,597    | 25             | 256         | 1,231       | 2,085             |
| 23 ACUTE MYOCARDIAL INFARCTION.....410  | 676      | *              | 43          | 251         | 382               |
| 24 ATHEROSCLEROTIC HEART DISEASE.....414,0  | 466      | *              | 12          | 151         | 303               |
| 25 OTHER ISCHEMIC HEART DISEASE.....411-413,414,1-414,9   | 938      | *              | 68          | 437         | 430               |
| 26 CONGESTIVE HEART FAILURE.....428,0   | 464      | *              | *8          | 89          | 363               |
| 27 CEREBROVASCULAR DISEASE.....430-438  | 860      | *              | 30          | 185         | 641               |
| 28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519   | 3,632    | 1,076          | 753         | 680         | 1,123             |
| 29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466   | 564      | 294            | 90          | 63          | 117               |
| 30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 397      | 270            | 122         | *           | *                 |
| 31 PNEUMONIA, ALL FORMS.....480-486   | 837      | 242            | 122         | 138         | 335               |
| 32 ASTHMA.....493   | 459      | 136            | 110         | 119         | 94                |
| 33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579   | 4,530    | 460            | 1,429       | 1,236       | 1,405             |
| 34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534  | 352      | *              | 84          | 120         | 147               |
| 35 GASTRITIS AND DUODENITIS.....535   | 288      | 16             | 117         | 91          | 65                |
| 36 APPENDICITIS.....540-543   | 261      | 70             | 148         | 26          | 17                |
| 37 INGUINAL HERNIA.....550  | 477      | 74             | 128         | 150         | 125               |
| 38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558  | 584      | 186            | 189         | 87          | 122               |
| 39 DIVERTICULA OF INTESTINE.....562   | 204      | *              | 13          | 65          | 125               |
| 40 CHOLELITHIASIS.....574   | 482      | *              | 154         | 160         | 167               |
| 41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629   | 3,311    | 136            | 1,647       | 760         | 768               |
| 42 CALCULUS OF KIDNEY AND URETER.....592  | 330      | *              | 165         | 107         | 55                |
| 43 HYPERPLASIA OF PROSTATE.....600  | 269      | -              | *           | 74          | 194               |
| 44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                              | 321      | *              | 252         | 66          | *                 |
| 45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676                          | 1,048    | *5             | 1,041       | *           | ...               |
| 46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639  | 492      | *              | 488         | *           | ...               |
| 47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709   | 577      | 62             | 216         | 145         | 153               |
| 48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739                           | 2,432    | 73             | 984         | 774         | 603               |
| 49 ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 576      | 19             | 195         | 165         | 196               |
| 50 INTERVERTEBRAL DISC DISORDERS.....722  | 473      | *              | 254         | 161         | 57                |
| 51 CONGENITAL ANOMALIES.....740-759   | 356      | 192            | 92          | 47          | 25                |
| 52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                                 | 209      | 209            | *           | *           | -                 |
| 53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799  | 585      | 104            | 251         | 140         | 90                |
| 54 INJURY AND POISONING.....800-999   | 3,450    | 451            | 1,617       | 599         | 783               |
| 55 FRACTURES, ALL SITES.....800-829   | 1,090    | 147            | 380         | 167         | 396               |
| 56 FRACTURE OF NECK OF FEMUR.....820  | 230      | *              | *9          | 22          | 196               |
| 57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847   | 311      | *              | 192         | 79          | 37                |
| 58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                            | 275      | 69             | 145         | 30          | 31                |
| 59 LACERATIONS AND OPEN WOUNDS.....870-904  | 309      | 45             | 193         | 41          | 31                |
| 60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 4,532    | 73             | 4,317       | 87          | 54                |
| 61 PERSONS ADMITTED FOR STERILIZATION.....V25.2   | 146      | *              | 143         | *           | *                 |
| 62 FEMALES WITH DELIVERIES.....V27  | 3,976    | 11             | 3,962       | *           | ...               |

1/ THE 1982 ESTIMATES FOR MALIGNANT NEOPLASMS AND FOR BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE WERE INCORRECTLY PRESENTED IN SERIES 13, NO. 78. THE CORRECT TOTAL NUMBER OF DISCHARGES FOR THE FORMER IS 2,016,000 AND FOR THE LATTER IS 577,000. CORRECT ESTIMATES BY PATIENT AND HOSPITAL CHARACTERISTICS CAN BE OBTAINED FROM THE HOSPITAL CARE STATISTICS BRANCH, NCHS.

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

TABLE 9. 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, 1983--CON.

(DISCHARGES FROM NONFEDERAL 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 |                |             |             |                   |    |
| 1,667.6   | 708.3          | 1,403.5     | 1,922.3     | 4,127.1           | 6.9                            | 4.6            | 5.0         | 7.6         | 9.7               | 01 |
| 29.2  | 40.4           | 21.8        | 20.4        | 51.7              | 6.6                            | 4.2            | 4.9         | 8.3         | 11.7              | 02 |
| 113.7   | 13.6           | 43.1        | 206.2       | 432.9             | 9.6                            | 5.0            | 6.6         | 9.1         | 11.4              | 03 |
| 88.9  | 8.6            | 20.5        | 165.8       | 386.7             | 10.5                           | 5.7            | 7.6         | 9.9         | 11.8              | 04 |
| 14.6  | *              | 1.1         | 34.0        | 64.1              | 10.5                           | *              | 7.9         | 10.0        | 11.1              | 05 |
| 10.5  | *              | 3.2         | 22.9        | 39.1              | 9.4                            | *              | 7.4         | 8.9         | 10.5              | 06 |
| 24.9  | 5.0            | 22.5        | 40.4        | 46.1              | 6.3                            | 3.8            | 5.7         | 6.2         | 8.0               | 07 |
| 52.0  | 14.3           | 27.1        | 82.1        | 173.0             | 8.7                            | 5.5            | 6.8         | 8.4         | 10.5              | 08 |
| 29.0  | 5.2            | 14.3        | 53.2        | 93.2              | 9.5                            | 6.6            | 7.3         | 9.3         | 11.3              | 09 |
| 15.5  | 11.9           | 8.0         | 14.2        | 54.5              | 6.7                            | 4.2            | 6.3         | 6.7         | 7.9               | 10 |
| 10.6  | 4.6            | 4.9         | 10.2        | 45.4              | 7.0                            | 4.3            | 7.5         | 6.7         | 7.4               | 11 |
| 73.2  | 9.5            | 87.3        | 95.2        | 101.3             | 12.4                           | 16.3           | 12.1        | 11.9        | 13.5              | 12 |
| 24.8  | *1.0           | 27.1        | 34.1        | 45.6              | 15.4                           | *15.4          | 15.5        | 14.9        | 16.0              | 13 |
| 11.3  | *1.1           | 15.1        | 13.5        | 12.3              | 10.1                           | *15.9          | 10.2        | 9.8         | 9.3               | 14 |
| 16.7  | *              | 20.9        | 29.4        | 10.5              | 11.5                           | *              | 11.7        | 10.8        | 12.6              | 15 |
| 80.8  | 60.7           | 32.7        | 86.3        | 301.4             | 5.0                            | 3.2            | 5.6         | 5.5         | 5.2               | 16 |
| 18.5  | 12.2           | 12.9        | 20.2        | 49.7              | 10.5                           | 6.9            | 8.2         | 11.0        | 14.2              | 17 |
| 25.6  | *              | 1.4         | 21.9        | 174.6             | 2.5                            | *              | 2.4         | 2.4         | 2.6               | 18 |
| 15.5  | 36.0           | 5.9         | 12.5        | 19.9              | 3.0                            | 2.3            | 2.9         | 3.5         | 5.1               | 19 |
| 243.4   | 7.4            | 48.7        | 413.7       | 1,184.7           | 9.1                            | 6.3            | 6.5         | 8.1         | 10.1              | 20 |
| 14.2  | *              | 5.3         | 30.9        | 49.3              | 6.3                            | *              | 5.2         | 5.8         | 7.4               | 21 |
| 154.9   | 4.9            | 23.5        | 276.5       | 761.2             | 8.6                            | 6.5            | 6.4         | 7.7         | 9.4               | 22 |
| 29.1  | *              | 3.9         | 56.4        | 139.6             | 10.9                           | *              | 9.4         | 10.7        | 11.2              | 23 |
| 20.1  | *              | 1.1         | 33.9        | 110.6             | 8.4                            | *              | 4.7         | 6.4         | 9.5               | 24 |
| 40.4  | *              | 6.3         | 98.2        | 156.8             | 6.9                            | *              | 5.7         | 6.4         | 7.6               | 25 |
| 20.0  | *              | *0.8        | 20.1        | 132.7             | 9.7                            | *              | *5.9        | 9.3         | 9.9               | 26 |
| 37.0  | *              | 2.8         | 41.5        | 234.1             | 11.7                           | *              | 12.0        | 10.7        | 12.1              | 27 |
| 156.4   | 208.5          | 69.2        | 152.8       | 410.0             | 6.2                            | 3.4            | 4.2         | 7.2         | 9.7               | 28 |
| 24.3  | 57.0           | 8.2         | 14.1        | 42.9              | 4.9                            | 3.4            | 4.1         | 6.4         | 8.6               | 29 |
| 17.1  | 52.4           | 11.2        | *           | *                 | 1.8                            | 1.7            | 2.0         | 2.4         | *                 | 30 |
| 36.0  | 47.0           | 11.2        | 30.9        | 122.2             | 8.0                            | 4.8            | 6.3         | 8.6         | 10.8              | 31 |
| 19.8  | 26.4           | 10.1        | 26.7        | 34.2              | 5.5                            | 3.7            | 4.5         | 6.4         | 7.9               | 32 |
| 195.0   | 89.2           | 131.3       | 277.6       | 513.1             | 6.6                            | 3.6            | 5.2         | 6.7         | 8.8               | 33 |
| 15.2  | *              | 7.7         | 26.9        | 53.5              | 7.7                            | *              | 5.3         | 6.9         | 9.7               | 34 |
| 12.4  | 3.2            | 10.7        | 20.4        | 23.7              | 5.3                            | 3.7            | 4.9         | 5.0         | 6.9               | 35 |
| 11.2  | 13.7           | 13.6        | 5.8         | 6.3               | 5.4                            | 4.8            | 4.6         | 7.1         | 11.4              | 36 |
| 20.5  | 14.4           | 11.8        | 33.6        | 45.8              | 4.1                            | 1.7            | 3.8         | 4.2         | 5.6               | 37 |
| 25.1  | 36.1           | 17.4        | 19.6        | 44.5              | 5.1                            | 3.6            | 5.0         | 5.7         | 7.3               | 38 |
| 8.8   | *              | 1.2         | 14.7        | 45.6              | 8.5                            | *              | 7.0         | 7.8         | 9.0               | 39 |
| 20.8  | *              | 14.2        | 36.0        | 60.8              | 8.7                            | *              | 6.8         | 8.1         | 10.9              | 40 |
| 142.5   | 26.3           | 151.4       | 170.7       | 280.5             | 5.6                            | 3.6            | 4.5         | 5.7         | 8.2               | 41 |
| 14.2  | *              | 15.2        | 24.1        | 20.2              | 4.5                            | *              | 3.5         | 5.0         | 6.6               | 42 |
| 11.6  | -              | *16.6       | 70.8        | 70.8              | 7.7                            | -              | *           | 6.9         | 8.1               | 43 |
| 13.8  | *              | 23.2        | 14.9        | *                 | 3.6                            | *              | 3.6         | 3.9         | *                 | 44 |
| 45.1  | *0.9           | 95.7        | *           | ...               | 2.5                            | *1.9           | 2.5         | *           | ...               | 45 |
| 21.2  | *              | 44.9        | *           | ...               | 2.0                            | *              | 2.0         | *           | ...               | 46 |
| 24.9  | 12.1           | 19.9        | 32.7        | 56.0              | 8.1                            | 3.9            | 6.5         | 8.4         | 11.9              | 47 |
| 104.7   | 14.1           | 90.4        | 173.8       | 220.0             | 7.3                            | 5.8            | 5.8         | 7.5         | 9.8               | 48 |
| 24.8  | 3.8            | 17.9        | 37.1        | 71.7              | 8.3                            | 5.9            | 4.7         | 9.2         | 11.2              | 49 |
| 20.4  | *              | 23.4        | 36.3        | 20.9              | 8.2                            | *              | 7.6         | 8.5         | 9.9               | 50 |
| 15.3  | 37.2           | 8.5         | 10.6        | 9.1               | 5.9                            | 5.6            | 4.9         | 7.7         | 8.4               | 51 |
| 9.0   | 40.4           | *           | *           | -                 | 12.8                           | 12.8           | *           | *           | -                 | 52 |
| 25.2  | 20.2           | 23.0        | 31.4        | 32.9              | 4.2                            | 3.2            | 3.6         | 4.4         | 6.5               | 53 |
| 148.5   | 87.4           | 148.7       | 134.5       | 286.0             | 7.2                            | 4.3            | 5.7         | 7.4         | 11.7              | 54 |
| 46.9  | 28.5           | 34.9        | 37.5        | 144.7             | 10.2                           | 5.3            | 8.1         | 9.1         | 14.5              | 55 |
| 9.9   | *              | *0.9        | 4.9         | 71.5              | 18.0                           | *              | *24.7       | 16.6        | 17.9              | 56 |
| 13.4  | *              | 17.6        | 17.8        | 13.4              | 6.6                            | *              | 6.3         | 7.0         | 7.6               | 57 |
| 11.8  | 13.3           | 13.3        | 6.9         | 11.4              | 5.5                            | 2.9            | 5.5         | 7.8         | 9.0               | 58 |
| 13.3  | 8.7            | 17.7        | 9.3         | 11.2              | 4.5                            | 3.6            | 4.3         | 5.0         | 6.7               | 59 |
| 195.1   | 14.2           | 396.9       | 19.5        | 19.9              | 3.5                            | 4.3            | 3.5         | 4.7         | 5.3               | 60 |
| 6.3   | *              | 13.2        | *           | *                 | 1.9                            | *              | 1.9         | *           | *                 | 61 |
| 171.2   | 2.1            | 364.2       | *           | ...               | 3.6                            | 3.0            | 3.6         | *           | ...               | 62 |

TABLE 10. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND RACE: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL 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        |        |   |            |         |   |
|---|------------|--------|---|------------|---------|---|
|   | BOTH SEXES |        |   | BOTH SEXES |         |   |
|   | MALE       | FEMALE | RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION | MALE       | FEMALE  | RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION |
| 01 ALL CONDITIONS.....  | 38,783     | 15,573 | 23,210  | 1,669.6    | 1,388.3 | 1,932.3   |
| 02 INFECTIOUS AND PARASITIC DISEASES.....001-139  | 677        | 319    | 358   | 29.2       | 28.4    | 29.8  |
| 03 NEOPLASMS.....140-239  | 2,642      | 1,136  | 1,506   | 113.7      | 101.3   | 125.4   |
| 04 MALIGNANT NEOPLASMS.....1/ 140-208,230-234   | 2,065      | 996    | 1,069   | 88.9       | 88.8    | 89.0  |
| 05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3                              | 339        | 210    | 129   | 14.6       | 18.7    | 10.8  |
| 06 MALIGNANT NEOPLASM OF BREAST.....174-175,198.81  | 244        | *      | 242   | 10.5       | *       | 20.1  |
| 07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....1/ 210-229,235-239 | 577        | 141    | 437   | 24.9       | 12.5    | 36.4  |
| 08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279                  | 1,207      | 431    | 776   | 52.0       | 38.4    | 64.6  |
| 09 DIABETES MELLITUS.....250  | 675        | 255    | 420   | 29.0       | 22.7    | 34.9  |
| 10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289   | 360        | 152    | 209   | 15.5       | 13.5    | 17.4  |
| 11 ANEMIAS.....280-285  | 247        | 93     | 154   | 10.6       | 8.3     | 12.8  |
| 12 MENTAL DISORDERS.....290-319   | 1,701      | 874    | 827   | 73.2       | 77.9    | 68.8  |
| 13 PSYCHOSES.....290-299  | 576        | 266    | 311   | 24.8       | 23.7    | 25.9  |
| 14 NEUROTIC AND PERSONALITY DISORDERS.....300-301   | 264        | 88     | 176   | 11.3       | 7.8     | 14.7  |
| 15 ALCOHOL DEPENDENCE SYNDROME.....303  | 388        | 295    | 93  | 16.7       | 26.3    | 7.7   |
| 16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389  | 1,878      | 795    | 1,083   | 80.8       | 70.9    | 90.1  |
| 17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349   | 429        | 210    | 219   | 18.5       | 18.7    | 18.3  |
| 18 CATARACT.....366   | 594        | 211    | 382   | 25.6       | 18.8    | 31.8  |
| 19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389  | 360        | 167    | 193   | 15.5       | 14.9    | 16.1  |
| 20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459   | 5,654      | 2,896  | 2,758   | 243.4      | 258.2   | 229.6   |
| 21 ESSENTIAL HYPERTENSION.....401   | 330        | 129    | 201   | 14.2       | 11.5    | 16.7  |
| 22 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429  | 3,597      | 1,911  | 1,686   | 154.9      | 170.4   | 140.4   |
| 23 ACUTE MYOCARDIAL INFARCTION.....410  | 676        | 424    | 253   | 29.1       | 37.8    | 21.1  |
| 24 ATHEROSCLEROTIC HEART DISEASE.....414.0  | 466        | 261    | 205   | 20.1       | 23.3    | 17.1  |
| 25 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9   | 938        | 544    | 394   | 40.4       | 48.5    | 32.8  |
| 26 CONGESTIVE HEART FAILURE.....428.0   | 464        | 208    | 255   | 20.0       | 18.6    | 21.3  |
| 27 CEREBROVASCULAR DISEASE.....430-438  | 860        | 405    | 455   | 37.0       | 36.1    | 37.9  |
| 28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519   | 3,632      | 1,833  | 1,799   | 156.4      | 163.4   | 149.8   |
| 29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466   | 564        | 287    | 277   | 24.3       | 25.6    | 23.1  |
| 30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 397        | 180    | 217   | 17.1       | 16.0    | 18.1  |
| 31 PNEUMONIA, ALL FORMS.....480-486   | 837        | 426    | 411   | 36.0       | 38.0    | 34.2  |
| 32 ASTHMA.....493   | 459        | 190    | 269   | 19.8       | 17.0    | 22.4  |
| 33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579   | 4,530      | 2,110  | 2,420   | 195.0      | 188.1   | 201.5   |
| 34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534  | 352        | 176    | 177   | 15.2       | 15.6    | 14.7  |
| 35 GASTRITIS AND DUODENITIS.....535   | 288        | 120    | 169   | 12.4       | 10.7    | 14.0  |
| 36 APPENDICITIS.....540-543   | 261        | 147    | 114   | 11.2       | 13.1    | 9.5   |
| 37 INGUINAL HERNIA.....550  | 477        | 429    | 48  | 20.5       | 38.3    | 4.0   |
| 38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558  | 584        | 236    | 348   | 25.1       | 21.1    | 29.0  |
| 39 DIVERTICULA OF INTESTINE.....562   | 204        | 67     | 137   | 8.8        | 6.0     | 11.4  |
| 40 CHOLELITHIASIS.....574   | 482        | 142    | 340   | 20.8       | 12.7    | 28.3  |
| 41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629   | 3,311      | 1,080  | 2,231   | 142.5      | 96.3    | 185.7   |
| 42 CALCULUS OF KIDNEY AND URETER.....592  | 330        | 232    | 98  | 14.2       | 20.7    | 8.1   |
| 43 HYPERPLASIA OF PROSTATE.....600  | 269        | 269    | ...   | 11.6       | 24.0    | ...   |
| 44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                              | 321        | ...    | 321   | 13.8       | ...     | 26.7  |
| 45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676                          | 1,048      | ...    | 1,048   | 45.1       | ...     | 87.2  |
| 46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639  | 492        | ...    | 492   | 21.2       | ...     | 40.9  |
| 47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709   | 577        | 274    | 303   | 24.9       | 24.5    | 25.2  |
| 48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739                           | 2,432      | 1,025  | 1,407   | 104.7      | 91.4    | 117.1   |
| 49 ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 576        | 229    | 347   | 24.8       | 20.4    | 28.9  |
| 50 INTERVERTEBRAL DISC DISORDERS.....722  | 473        | 266    | 208   | 20.4       | 23.7    | 17.3  |
| 51 CONGENITAL ANOMALIES.....740-759   | 356        | 185    | 171   | 15.3       | 16.5    | 14.2  |
| 52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                                 | 209        | 117    | 92  | 9.0        | 10.5    | 7.6   |
| 53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799  | 585        | 279    | 306   | 25.2       | 24.9    | 25.5  |
| 54 INJURY AND POISONING.....800-999   | 3,450      | 1,906  | 1,544   | 148.5      | 169.9   | 128.6   |
| 55 FRACTURES, ALL SITES.....800-829   | 1,090      | 543    | 547   | 46.9       | 48.4    | 45.6  |
| 56 FRACTURE OF NECK OF FEMUR.....820  | 230        | 59     | 171   | 9.9        | 5.2     | 14.3  |
| 57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847   | 311        | 154    | 157   | 13.4       | 13.8    | 13.1  |
| 58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                            | 275        | 171    | 105   | 11.8       | 15.2    | 8.7   |
| 59 LACERATIONS AND OPEN WOUNDS.....870-904  | 309        | 232    | 77  | 13.3       | 20.7    | 6.4   |
| 60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 4,532      | 159    | 4,373   | 195.1      | 14.2    | 364.1   |
| 61 PERSONS ADMITTED FOR STERILIZATION.....V25.2   | 146        | *      | 142   | 6.3        | *       | 11.8  |
| 62 FEMALES WITH DELIVERIES.....V27  | 3,976      | ...    | 3,976   | 171.2      | ...     | 331.0   |

1/ THE 1982 ESTIMATES FOR MALIGNANT NEOPLASMS AND FOR BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE WERE INCORRECTLY PRESENTED IN SERIES 13, NO. 78. THE CORRECT TOTAL NUMBER OF DISCHARGES FOR THE FORMER IS 2,016,000 AND FOR THE LATTER IS 577,000. CORRECT ESTIMATES BY PATIENT AND HOSPITAL CHARACTERISTICS CAN BE OBTAINED FROM THE HOSPITAL CARE STATISTICS BRANCH, NCHS.

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

TABLE 10. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND RACE: UNITED STATES, 1983--CON.

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

| SEX--CCN.                      |      |        | RACE                                       |        |           |            |   |         |           |            |                                |       |           |            |    |
|--------------------------------|------|--------|--|--------|-----------|------------|---|---------|-----------|------------|--------------------------------|-------|-----------|------------|----|
| BOTH SEXES                     | MALE | FEMALE | ALL RACES                                  | WHITE  | ALL OTHER | NOT STATED | ALL RACES   | WHITE   | ALL OTHER | NOT STATED | ALL RACES                      | WHITE | ALL OTHER | NOT STATED |    |
| AVERAGE LENGTH OF STAY IN DAYS |      |        | NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |        |           |            | RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION |         |           |            | AVERAGE LENGTH OF STAY IN DAYS |       |           |            |    |
| 6.9                            | 7.4  | 6.6    | 38,783                                     | 30,106 | 5,235     | 3,441      | 1,669.6   | 1,519.0 | 1,535.9   | ...        | 6.9                            | 7.0   | 7.2       | 6.0        | 01 |
| 6.6                            | 6.3  | 6.8    | 677  | 521    | 111       | 46         | 29.2  | 26.3    | 32.5      | ...        | 6.6                            | 6.4   | 7.7       | 5.8        | 02 |
| 9.6                            | 10.2 | 9.2    | 2,642                                      | 2,118  | 305       | 220        | 113.7   | 106.8   | 89.4      | ...        | 9.6                            | 9.6   | 10.7      | 8.1        | 03 |
| 10.5                           | 10.7 | 10.4   | 2,065                                      | 1,687  | 207       | 170        | 88.9  | 85.1    | 60.8      | ...        | 10.5                           | 10.5  | 12.3      | 8.9        | 04 |
| 10.5                           | 10.3 | 10.7   | 339  | 275    | 41        | 23         | 14.6  | 13.9    | 12.0      | ...        | 10.5                           | 10.4  | 12.3      | 8.2        | 05 |
| 9.4                            | *    | 9.4    | 244  | 200    | 23        | 21         | 10.5  | 10.1    | 6.8       | ...        | 9.4                            | 9.3   | 11.1      | 8.7        | 06 |
| 6.3                            | 6.5  | 6.2    | 577  | 430    | 98        | 49         | 24.9  | 21.7    | 28.6      | ...        | 6.3                            | 6.2   | 7.2       | 5.5        | 07 |
| 8.7                            | 8.7  | 8.6    | 1,207                                      | 906    | 205       | 96         | 52.0  | 45.7    | 60.3      | ...        | 8.7                            | 8.5   | 9.7       | 8.0        | 08 |
| 9.5                            | 9.3  | 9.6    | 675  | 496    | 121       | 58         | 29.0  | 25.0    | 35.4      | ...        | 9.5                            | 9.4   | 10.2      | 8.9        | 09 |
| 6.7                            | 5.9  | 7.2    | 360  | 252    | 84        | 24         | 15.5  | 12.7    | 24.7      | ...        | 6.7                            | 6.6   | 7.0       | 6.6        | 10 |
| 7.0                            | 6.2  | 7.5    | 247  | 161    | 72        | 14         | 10.6  | 8.1     | 21.1      | ...        | 7.0                            | 7.0   | 6.9       | 8.5        | 11 |
| 12.4                           | 12.0 | 12.9   | 1,701                                      | 1,242  | 271       | 188        | 73.2  | 62.7    | 79.5      | ...        | 12.4                           | 12.8  | 11.8      | 10.8       | 12 |
| 15.4                           | 14.1 | 16.6   | 576  | 443    | 94        | 40         | 24.8  | 22.3    | 27.5      | ...        | 15.4                           | 16.0  | 14.5      | 11.8       | 13 |
| 10.1                           | 10.3 | 10.0   | 264  | 210    | 31        | 23         | 11.3  | 10.6    | 9.1       | ...        | 10.1                           | 10.3  | 10.1      | 8.5        | 14 |
| 11.5                           | 11.2 | 12.5   | 388  | 235    | 69        | 84         | 16.7  | 11.9    | 20.4      | ...        | 11.5                           | 12.2  | 9.7       | 11.0       | 15 |
| 5.0                            | 5.4  | 4.7    | 1,878                                      | 1,520  | 176       | 182        | 80.8  | 76.7    | 51.7      | ...        | 5.0                            | 5.0   | 6.3       | 4.0        | 16 |
| 10.5                           | 11.3 | 9.7    | 429  | 343    | 51        | 34         | 18.5  | 17.3    | 15.0      | ...        | 10.5                           | 10.4  | 12.0      | 9.2        | 17 |
| 2.5                            | 2.6  | 2.5    | 594  | 486    | 37        | 71         | 25.6  | 24.5    | 10.8      | ...        | 2.5                            | 2.5   | 2.8       | 2.7        | 18 |
| 3.0                            | 2.7  | 3.3    | 360  | 291    | 35        | 33         | 15.5  | 14.7    | 10.3      | ...        | 3.0                            | 3.1   | 3.3       | 2.2        | 19 |
| 9.1                            | 8.8  | 9.4    | 5,654                                      | 4,663  | 589       | 402        | 243.4   | 235.3   | 172.8     | ...        | 9.1                            | 9.1   | 10.1      | 7.7        | 20 |
| 6.3                            | 5.8  | 6.7    | 330  | 235    | 69        | 26         | 14.2  | 11.9    | 20.2      | ...        | 6.3                            | 6.1   | 7.5       | 5.6        | 21 |
| 8.6                            | 8.2  | 8.9    | 3,597                                      | 3,025  | 323       | 249        | 154.9   | 152.6   | 94.8      | ...        | 8.6                            | 8.6   | 9.3       | 7.2        | 22 |
| 10.9                           | 10.8 | 11.1   | 676  | 588    | 45        | 43         | 29.1  | 29.7    | 13.3      | ...        | 10.9                           | 11.0  | 11.8      | 9.1        | 23 |
| 8.4                            | 7.6  | 9.4    | 466  | 400    | 28        | 38         | 20.1  | 20.2    | 8.3       | ...        | 8.4                            | 8.4   | 8.7       | 8.0        | 24 |
| 6.9                            | 6.5  | 7.4    | 938  | 799    | 74        | 65         | 40.4  | 40.3    | 21.7      | ...        | 6.9                            | 6.9   | 7.2       | 6.1        | 25 |
| 9.7                            | 9.4  | 9.9    | 464  | 379    | 55        | 30         | 20.0  | 19.1    | 16.1      | ...        | 9.7                            | 9.8   | 9.9       | 7.7        | 26 |
| 11.7                           | 11.3 | 12.2   | 860  | 696    | 103       | 61         | 37.0  | 35.1    | 30.1      | ...        | 11.7                           | 11.6  | 13.6      | 10.3       | 27 |
| 6.2                            | 6.1  | 6.2    | 3,632                                      | 2,891  | 443       | 297        | 156.4   | 145.9   | 130.0     | ...        | 6.2                            | 6.4   | 5.5       | 5.0        | 28 |
| 4.9                            | 4.5  | 5.3    | 564  | 448    | 70        | 45         | 24.3  | 22.6    | 20.7      | ...        | 4.9                            | 5.1   | 4.3       | 3.9        | 29 |
| 1.8                            | 1.8  | 1.9    | 397  | 317    | 32        | 48         | 17.1  | 16.0    | 9.4       | ...        | 1.8                            | 1.8   | 2.0       | 1.9        | 30 |
| 8.0                            | 7.8  | 8.3    | 837  | 666    | 111       | 60         | 36.0  | 33.6    | 32.7      | ...        | 8.0                            | 8.3   | 7.1       | 7.5        | 31 |
| 5.5                            | 4.9  | 5.8    | 459  | 319    | 108       | 32         | 19.8  | 16.1    | 31.7      | ...        | 5.5                            | 5.8   | 4.9       | 4.2        | 32 |
| 6.6                            | 6.0  | 7.0    | 4,530                                      | 3,649  | 532       | 349        | 195.0   | 184.1   | 156.0     | ...        | 6.6                            | 6.6   | 7.0       | 5.8        | 33 |
| 7.7                            | 7.4  | 7.9    | 352  | 287    | 40        | 25         | 15.2  | 14.5    | 11.7      | ...        | 7.7                            | 7.7   | 7.9       | 7.4        | 34 |
| 5.3                            | 4.4  | 6.0    | 288  | 233    | 38        | 17         | 12.4  | 11.8    | 11.0      | ...        | 5.3                            | 5.3   | 5.8       | 4.5        | 35 |
| 5.4                            | 4.9  | 5.9    | 261  | 212    | 29        | 20         | 11.2  | 10.7    | 8.6       | ...        | 5.4                            | 5.1   | 6.2       | 6.6        | 36 |
| 4.1                            | 4.0  | 4.6    | 477  | 382    | 53        | 42         | 20.5  | 19.3    | 15.6      | ...        | 4.1                            | 4.1   | 4.2       | 4.1        | 37 |
| 5.1                            | 5.0  | 5.3    | 584  | 475    | 64        | 45         | 25.1  | 24.0    | 18.7      | ...        | 5.1                            | 5.2   | 5.4       | 4.2        | 38 |
| 8.5                            | 7.7  | 8.9    | 204  | 174    | 15        | 14         | 8.8   | 8.8     | 4.5       | ...        | 8.5                            | 8.6   | 8.0       | 7.3        | 39 |
| 8.7                            | 9.4  | 8.3    | 482  | 399    | 48        | 36         | 20.8  | 20.1    | 14.0      | ...        | 8.7                            | 8.7   | 9.2       | 8.0        | 40 |
| 5.6                            | 6.3  | 5.2    | 3,311                                      | 2,607  | 438       | 266        | 142.5   | 131.5   | 128.5     | ...        | 5.6                            | 5.5   | 6.0       | 5.5        | 41 |
| 4.5                            | 4.2  | 5.2    | 330  | 282    | 21        | 27         | 14.2  | 14.2    | 6.2       | ...        | 4.5                            | 4.4   | 5.7       | 5.0        | 42 |
| 7.7                            | 7.7  | ...    | 269  | 222    | 22        | 26         | 11.6  | 11.2    | 6.4       | ...        | 7.7                            | 7.5   | 10.4      | 7.5        | 43 |
| 3.6                            | ...  | 3.6    | 321  | 244    | 49        | 28         | 13.8  | 12.3    | 14.3      | ...        | 3.6                            | 3.6   | 3.5       | 4.2        | 44 |
| 2.5                            | ...  | 2.5    | 1,048                                      | 702    | 250       | 95         | 45.1  | 35.4    | 73.4      | ...        | 2.5                            | 2.4   | 2.9       | 2.3        | 45 |
| 2.0                            | ...  | 2.0    | 492  | 311    | 141       | 39         | 21.2  | 15.7    | 41.4      | ...        | 2.0                            | 2.0   | 2.2       | 1.9        | 46 |
| 8.1                            | 7.8  | 8.4    | 577  | 433    | 100       | 44         | 24.9  | 21.9    | 29.2      | ...        | 8.1                            | 8.0   | 9.5       | 6.1        | 47 |
| 7.3                            | 6.8  | 7.7    | 2,432                                      | 1,924  | 252       | 257        | 104.7   | 97.1    | 73.8      | ...        | 7.3                            | 7.4   | 7.8       | 6.6        | 48 |
| 8.3                            | 7.0  | 9.1    | 576  | 456    | 60        | 60         | 24.8  | 23.0    | 17.7      | ...        | 8.3                            | 8.3   | 8.8       | 7.5        | 49 |
| 8.2                            | 7.2  | 9.4    | 473  | 368    | 43        | 62         | 20.4  | 18.6    | 12.6      | ...        | 8.2                            | 8.2   | 9.2       | 7.1        | 50 |
| 5.9                            | 5.8  | 6.0    | 356  | 265    | 54        | 37         | 15.3  | 13.4    | 15.9      | ...        | 5.9                            | 5.8   | 6.8       | 5.1        | 51 |
| 12.8                           | 12.7 | 12.9   | 209  | 141    | 48        | 20         | 9.0   | 7.1     | 14.1      | ...        | 12.8                           | 11.6  | 17.0      | 10.6       | 52 |
| 4.2                            | 4.1  | 4.3    | 585  | 456    | 74        | 55         | 25.2  | 23.0    | 21.8      | ...        | 4.2                            | 4.0   | 4.8       | 5.0        | 53 |
| 7.2                            | 6.4  | 8.2    | 3,450                                      | 2,654  | 478       | 319        | 148.5   | 133.9   | 140.1     | ...        | 7.2                            | 7.3   | 7.3       | 6.4        | 54 |
| 10.2                           | 8.9  | 11.5   | 1,090                                      | 870    | 110       | 110        | 46.9  | 43.9    | 32.3      | ...        | 10.2                           | 10.5  | 9.9       | 8.4        | 55 |
| 18.0                           | 18.7 | 17.8   | 230  | 198    | 10        | 22         | 9.9   | 10.0    | 3.0       | ...        | 18.0                           | 18.2  | 17.6      | 16.9       | 56 |
| 6.6                            | 5.9  | 7.3    | 311  | 234    | 57        | 21         | 13.4  | 11.8    | 16.7      | ...        | 6.6                            | 6.5   | 7.2       | 6.5        | 57 |
| 5.5                            | 5.3  | 5.9    | 275  | 212    | 42        | 21         | 11.8  | 10.7    | 12.5      | ...        | 5.5                            | 5.1   | 6.4       | 8.1        | 58 |
| 4.5                            | 4.3  | 5.1    | 309  | 214    | 64        | 31         | 13.3  | 10.8    | 18.8      | ...        | 4.5                            | 4.4   | 5.2       | 3.5        | 59 |
| 3.5                            | 4.3  | 3.5    | 4,532                                      | 3,164  | 825       | 543        | 195.1   | 159.6   | 242.0     | ...        | 3.5                            | 3.5   | 3.7       | 3.2        | 60 |
| 1.9                            | *    | 1.9    | 146  | 98     | 37        | 11         | 6.3   | 4.9     | 10.7      | ...        | 1.9                            | 1.8   | 2.0       | 2.1        | 61 |
| 3.6                            | ...  | 3.6    | 3,976                                      | 2,764  | 729       | 482        | 171.2   | 139.5   | 214.0     | ...        | 3.6                            | 3.6   | 3.7       | 3.2        | 62 |

TABLE 11. 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, 1983

(DISCHARGES FROM NONFEDERAL 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  | UNITED STATES | NORTH-EAST | NORTH CENTRAL | SOUTH  | WEST  | NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |  |  |  |  |
|---|---------------|------------|---------------|--------|-------|--|--|--|--|--|
|   |               |            |               |        |       |  |  |  |  |  |
| 01 ALL CONDITIONS.....  | 38,783        | 7,793      | 10,492        | 13,884 | 6,614 |  |  |  |  |  |
| 02 INFECTIOUS AND PARASITIC DISEASES.....001-139  | 677           | 118        | 180           | 281    | 99    |  |  |  |  |  |
| 03 NEOPLASMS.....140-239  | 2,642         | 659        | 740           | 786    | 457   |  |  |  |  |  |
| 04 MALIGNANT NEOPLASMS.....1/ 140-208,230-234   | 2,065         | 496        | 606           | 590    | 373   |  |  |  |  |  |
| 05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197,0,197,3                              | 339           | 77         | 98            | 101    | 64    |  |  |  |  |  |
| 06 MALIGNANT NEOPLASM OF BREAST.....174-175,198.81  | 244           | 65         | 71            | 65     | 43    |  |  |  |  |  |
| 07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....1/ 210-229,235-239 | 577           | 163        | 135           | 196    | 84    |  |  |  |  |  |
| 08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279                  | 1,207         | 234        | 344           | 457    | 171   |  |  |  |  |  |
| 09 DIABETES MELLITUS.....250  | 675           | 144        | 185           | 255    | 91    |  |  |  |  |  |
| 10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289   | 360           | 82         | 81            | 139    | 58    |  |  |  |  |  |
| 11 ANEMIAS.....280-285  | 247           | 57         | 51            | 99     | 40    |  |  |  |  |  |
| 12 MENTAL DISORDERS.....290-319   | 1,701         | 430        | 557           | 471    | 242   |  |  |  |  |  |
| 13 PSYCHOSES.....290-299  | 576           | 133        | 185           | 168    | 91    |  |  |  |  |  |
| 14 NEUROTIC AND PERSONALITY DISORDERS.....300-301   | 264           | 40         | 89            | 95     | 40    |  |  |  |  |  |
| 15 ALCOHOL DEPENDENCE SYNDROME.....303  | 388           | 158        | 134           | 55     | 41    |  |  |  |  |  |
| 16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389  | 1,878         | 361        | 564           | 613    | 340   |  |  |  |  |  |
| 17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349   | 429           | 84         | 122           | 159    | 64    |  |  |  |  |  |
| 18 CATARACT.....366   | 594           | 113        | 183           | 171    | 127   |  |  |  |  |  |
| 19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389  | 360           | 74         | 111           | 123    | 51    |  |  |  |  |  |
| 20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459   | 5,654         | 1,198      | 1,484         | 2,013  | 959   |  |  |  |  |  |
| 21 ESSENTIAL HYPERTENSION.....401   | 330           | 56         | 81            | 143    | 50    |  |  |  |  |  |
| 22 HEART DISEASE.....391-392,0,393-398,402,404,410-416,420-429  | 3,597         | 789        | 929           | 1,286  | 592   |  |  |  |  |  |
| 23 ACUTE MYOCARDIAL INFARCTION.....410  | 676           | 165        | 164           | 236    | 112   |  |  |  |  |  |
| 24 ATHEROSCLEROTIC HEART DISEASE.....414,0  | 466           | 104        | 121           | 167    | 74    |  |  |  |  |  |
| 25 OTHER ISCHEMIC HEART DISEASE.....411-413,414,1-414,9   | 938           | 214        | 236           | 310    | 178   |  |  |  |  |  |
| 26 CONGESTIVE HEART FAILURE.....428,0   | 464           | 108        | 131           | 168    | 57    |  |  |  |  |  |
| 27 CEREBROVASCULAR DISEASE.....430-438  | 860           | 170        | 234           | 294    | 161   |  |  |  |  |  |
| 28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519   | 3,632         | 642        | 1,037         | 1,406  | 547   |  |  |  |  |  |
| 29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466   | 564           | 90         | 162           | 245    | 68    |  |  |  |  |  |
| 30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 397           | 63         | 136           | 144    | 55    |  |  |  |  |  |
| 31 PNEUMONIA, ALL FORMS.....480-486   | 837           | 143        | 241           | 339    | 114   |  |  |  |  |  |
| 32 ASTHMA.....493   | 459           | 96         | 111           | 160    | 91    |  |  |  |  |  |
| 33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579   | 4,530         | 888        | 1,174         | 1,758  | 711   |  |  |  |  |  |
| 34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534  | 352           | 61         | 90            | 150    | 51    |  |  |  |  |  |
| 35 GASTRITIS AND DUODENITIS.....535   | 288           | 43         | 79            | 135    | 31    |  |  |  |  |  |
| 36 APPENDICITIS.....540-543   | 261           | 55         | 66            | 88     | 52    |  |  |  |  |  |
| 37 INGUINAL HERNIA.....550  | 477           | 119        | 120           | 148    | 90    |  |  |  |  |  |
| 38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558  | 584           | 96         | 147           | 263    | 78    |  |  |  |  |  |
| 39 DIVERTICULA OF INTESTINE.....562   | 204           | 47         | 51            | 78     | 27    |  |  |  |  |  |
| 40 CHOLELITHIASIS.....574   | 482           | 91         | 140           | 183    | 68    |  |  |  |  |  |
| 41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629   | 3,311         | 682        | 816           | 1,329  | 484   |  |  |  |  |  |
| 42 CALCULUS OF KIDNEY AND URETER.....592  | 330           | 58         | 83            | 141    | 48    |  |  |  |  |  |
| 43 HYPERPLASIA OF PROSTATE.....600  | 269           | 69         | 71            | 88     | 42    |  |  |  |  |  |
| 44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                              | 321           | 83         | 73            | 128    | 38    |  |  |  |  |  |
| 45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676                          | 1,048         | 261        | 246           | 370    | 170   |  |  |  |  |  |
| 46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639  | 492           | 171        | 93            | 160    | 68    |  |  |  |  |  |
| 47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709   | 577           | 134        | 156           | 201    | 87    |  |  |  |  |  |
| 48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739                           | 2,432         | 376        | 742           | 778    | 536   |  |  |  |  |  |
| 49 ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 576           | 91         | 187           | 173    | 124   |  |  |  |  |  |
| 50 INTERVERTEBRAL DISC DISORDERS.....722  | 473           | 67         | 135           | 155    | 116   |  |  |  |  |  |
| 51 CONGENITAL ANOMALIES.....740-759   | 356           | 67         | 102           | 127    | 61    |  |  |  |  |  |
| 52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                                 | 209           | 35         | 44            | 91     | 39    |  |  |  |  |  |
| 53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799  | 585           | 106        | 169           | 213    | 97    |  |  |  |  |  |
| 54 INJURY AND POISONING.....800-999   | 3,450         | 663        | 906           | 1,211  | 671   |  |  |  |  |  |
| 55 FRACTURES, ALL SITES.....800-829   | 1,090         | 224        | 275           | 359    | 231   |  |  |  |  |  |
| 56 FRACTURE OF NECK OF FEMUR.....820  | 230           | 50         | 61            | 70     | 50    |  |  |  |  |  |
| 57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847   | 311           | 55         | 73            | 140    | 43    |  |  |  |  |  |
| 58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                            | 275           | 67         | 70            | 96     | 42    |  |  |  |  |  |
| 59 LACERATIONS AND OPEN WOUNDS.....870-904  | 309           | 53         | 76            | 121    | 59    |  |  |  |  |  |
| 60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 4,532         | 858        | 1,152         | 1,639  | 884   |  |  |  |  |  |
| 61 PERSONS ADMITTED FOR STERILIZATION.....V25,2   | 146           | 34         | 19            | 74     | 19    |  |  |  |  |  |
| 62 FEMALES WITH DELIVERIES.....V27  | 3,976         | 738        | 1,015         | 1,435  | 787   |  |  |  |  |  |

1/ THE 1982 ESTIMATES FOR MALIGNANT NEOPLASMS AND FOR BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE WERE INCORRECTLY PRESENTED IN SERIES 13, NO. 78. THE CORRECT TOTAL NUMBER OF DISCHARGES FOR THE FORMER IS 2,016,000 AND FOR THE LATTER IS 577,000. CORRECT ESTIMATES BY PATIENT AND HOSPITAL CHARACTERISTICS CAN BE OBTAINED FROM THE HOSPITAL CARE STATISTICS BRANCH, NCHS.

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

TABLE 11. 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, 1983--CON.

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

| UNITED STATES                                     | NORTH-EAST | NORTH CENTRAL | SOUTH   | WEST    | UNITED STATES                  | NORTH-EAST | NRTH CENTRAL | SOUTH | WEST |    |
|---|------------|---------------|---------|---------|--------------------------------|------------|--------------|-------|------|----|
| RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION |            |               |         |         | AVERAGE LENGTH OF STAY IN DAYS |            |              |       |      |    |
| 1,669.6   | 1,577.3    | 1,784.2       | 1,765.3 | 1,456.0 | 6.9                            | 8.1        | 7.2          | 6.6   | 5.9  | 01 |
| 29.2  | 23.8       | 30.6          | 35.7    | 21.8    | 6.6                            | 9.3        | 5.9          | 6.0   | 5.9  | 02 |
| 113.7   | 133.3      | 125.9         | 99.9    | 100.6   | 9.6                            | 10.8       | 9.9          | 9.3   | 8.0  | 03 |
| 88.9  | 100.4      | 103.0         | 75.0    | 82.1    | 10.5                           | 12.0       | 10.7         | 10.5  | 8.5  | 04 |
| 14.6  | 15.6       | 16.7          | 12.8    | 14.0    | 10.5                           | 11.8       | 10.3         | 10.3  | 9.5  | 05 |
| 10.5  | 13.1       | 12.1          | 8.3     | 9.4     | 9.4                            | 10.0       | 9.5          | 9.4   | 8.1  | 06 |
| 24.9  | 33.0       | 22.9          | 24.9    | 18.5    | 6.3                            | 7.1        | 6.2          | 5.8   | 6.0  | 07 |
| 52.0  | 47.4       | 58.5          | 58.2    | 37.7    | 8.7                            | 11.7       | 8.7          | 7.7   | 7.0  | 08 |
| 29.0  | 29.1       | 31.4          | 32.5    | 20.1    | 9.5                            | 12.4       | 9.5          | 8.4   | 7.6  | 09 |
| 15.5  | 16.5       | 13.8          | 17.7    | 12.9    | 6.7                            | 7.9        | 6.9          | 6.7   | 4.8  | 10 |
| 10.6  | 11.6       | 8.6           | 12.6    | 8.8     | 7.0                            | 8.2        | 8.0          | 6.8   | 4.6  | 11 |
| 73.2  | 87.0       | 94.7          | 59.9    | 53.3    | 12.4                           | 12.4       | 13.8         | 11.3  | 11.3 | 12 |
| 24.8  | 26.8       | 31.5          | 21.4    | 20.0    | 15.4                           | 18.0       | 16.7         | 14.3  | 11.3 | 13 |
| 11.3  | 8.0        | 15.1          | 12.0    | 8.9     | 10.1                           | 9.7        | 10.4         | 9.3   | 12.0 | 14 |
| 16.7  | 32.0       | 22.9          | 7.0     | 9.0     | 11.5                           | 9.0        | 14.4         | 11.9  | 11.5 | 15 |
| 80.8  | 73.1       | 95.9          | 77.9    | 74.8    | 5.0                            | 6.0        | 4.7          | 5.0   | 4.4  | 16 |
| 18.5  | 16.9       | 20.7          | 20.2    | 14.2    | 10.5                           | 13.9       | 10.0         | 9.2   | 10.0 | 17 |
| 25.6  | 22.8       | 31.2          | 21.7    | 27.9    | 2.5                            | 2.7        | 2.6          | 2.7   | 2.2  | 18 |
| 15.5  | 15.0       | 18.9          | 15.7    | 11.1    | 3.0                            | 3.1        | 2.9          | 3.3   | 2.4  | 19 |
| 243.4   | 242.5      | 252.4         | 255.9   | 211.1   | 9.1                            | 10.9       | 9.2          | 8.7   | 7.2  | 20 |
| 14.2  | 11.3       | 13.8          | 18.2    | 11.1    | 6.3                            | 8.1        | 6.2          | 6.2   | 5.0  | 21 |
| 154.9   | 159.8      | 158.0         | 163.6   | 130.3   | 8.6                            | 10.2       | 8.8          | 8.2   | 6.8  | 22 |
| 29.1  | 33.3       | 27.9          | 29.9    | 24.7    | 10.9                           | 12.4       | 11.7         | 10.4  | 8.7  | 23 |
| 20.1  | 21.0       | 20.6          | 21.2    | 16.3    | 8.4                            | 10.3       | 8.2          | 8.2   | 6.5  | 24 |
| 40.4  | 43.3       | 40.1          | 39.4    | 39.2    | 6.9                            | 7.9        | 7.3          | 6.5   | 5.8  | 25 |
| 20.0  | 21.9       | 22.2          | 21.4    | 12.5    | 9.7                            | 12.1       | 9.5          | 9.1   | 7.1  | 26 |
| 37.0  | 34.4       | 39.9          | 37.4    | 35.5    | 11.7                           | 15.3       | 11.6         | 11.2  | 9.2  | 27 |
| 156.4   | 130.0      | 176.3         | 178.8   | 120.4   | 6.2                            | 7.3        | 5.9          | 6.1   | 5.7  | 28 |
| 24.3  | 18.2       | 27.5          | 31.1    | 14.9    | 4.9                            | 5.3        | 5.0          | 4.8   | 4.4  | 29 |
| 17.1  | 12.7       | 23.1          | 18.3    | 12.0    | 1.8                            | 1.8        | 1.8          | 2.2   | 1.4  | 30 |
| 36.0  | 28.9       | 40.9          | 43.1    | 25.1    | 8.0                            | 9.6        | 8.0          | 7.5   | 7.7  | 31 |
| 19.8  | 19.5       | 18.9          | 20.4    | 20.1    | 5.5                            | 5.9        | 5.7          | 5.2   | 5.1  | 32 |
| 195.0   | 179.7      | 199.6         | 223.5   | 156.5   | 6.6                            | 7.6        | 6.7          | 6.3   | 5.8  | 33 |
| 15.2  | 12.4       | 15.3          | 19.1    | 11.3    | 7.7                            | 8.8        | 7.7          | 7.3   | 7.2  | 34 |
| 12.4  | 8.6        | 13.4          | 17.2    | 6.9     | 5.3                            | 5.7        | 5.2          | 5.5   | 3.9  | 35 |
| 11.2  | 11.2       | 11.2          | 11.2    | 11.5    | 5.4                            | 6.1        | 5.2          | 5.1   | 5.3  | 36 |
| 20.5  | 24.1       | 20.5          | 18.8    | 19.8    | 4.1                            | 4.1        | 4.3          | 4.2   | 3.6  | 37 |
| 25.1  | 19.4       | 25.0          | 33.4    | 17.2    | 5.1                            | 6.5        | 5.4          | 4.8   | 4.2  | 38 |
| 8.8   | 9.5        | 8.7           | 10.0    | 6.0     | 8.5                            | 10.4       | 8.1          | 7.7   | 8.1  | 39 |
| 20.8  | 18.4       | 23.8          | 23.3    | 15.1    | 8.7                            | 10.0       | 8.5          | 8.6   | 7.1  | 40 |
| 142.5   | 138.0      | 138.7         | 169.0   | 106.7   | 5.6                            | 6.0        | 5.8          | 5.3   | 5.2  | 41 |
| 14.2  | 11.8       | 14.0          | 17.9    | 10.6    | 4.5                            | 5.2        | 4.7          | 4.2   | 4.4  | 42 |
| 11.6  | 14.0       | 12.1          | 11.2    | 9.1     | 7.7                            | 9.2        | 7.4          | 7.3   | 6.7  | 43 |
| 13.8  | 16.8       | 12.3          | 16.3    | 8.3     | 3.6                            | 2.6        | 4.1          | 4.1   | 3.5  | 44 |
| 45.1  | 52.9       | 41.8          | 47.1    | 37.5    | 2.5                            | 2.2        | 2.8          | 2.6   | 2.5  | 45 |
| 21.2  | 34.5       | 15.9          | 20.3    | 15.0    | 2.0                            | 1.7        | 2.4          | 2.1   | 2.1  | 46 |
| 24.9  | 27.1       | 26.5          | 25.5    | 19.1    | 8.1                            | 8.4        | 8.5          | 8.2   | 6.9  | 47 |
| 104.7   | 76.1       | 126.2         | 98.9    | 118.0   | 7.3                            | 8.8        | 7.8          | 7.2   | 5.8  | 48 |
| 24.8  | 18.5       | 31.9          | 22.0    | 27.4    | 8.3                            | 9.7        | 9.0          | 7.8   | 6.8  | 49 |
| 20.4  | 13.5       | 22.9          | 19.8    | 25.6    | 8.2                            | 10.1       | 8.8          | 8.3   | 6.2  | 50 |
| 15.3  | 13.5       | 17.3          | 16.1    | 13.5    | 5.9                            | 5.4        | 6.4          | 5.9   | 5.6  | 51 |
| 9.0   | 7.1        | 7.4           | 11.6    | 8.7     | 12.8                           | 13.6       | 14.9         | 13.0  | 9.2  | 52 |
| 25.2  | 21.5       | 28.7          | 27.1    | 21.3    | 4.2                            | 4.6        | 3.9          | 4.0   | 4.6  | 53 |
| 148.5   | 134.2      | 154.0         | 154.0   | 147.7   | 7.2                            | 8.3        | 7.0          | 7.1   | 6.5  | 54 |
| 46.9  | 45.4       | 46.8          | 45.7    | 50.9    | 10.2                           | 13.0       | 9.5          | 10.0  | 8.7  | 55 |
| 9.9   | 10.2       | 10.3          | 8.9     | 10.9    | 18.0                           | 23.8       | 16.0         | 17.6  | 15.3 | 56 |
| 13.4  | 11.2       | 12.3          | 17.8    | 9.6     | 6.6                            | 7.6        | 6.9          | 6.2   | 5.9  | 57 |
| 11.8  | 13.5       | 12.0          | 12.2    | 9.3     | 5.5                            | 5.4        | 5.7          | 5.5   | 5.4  | 58 |
| 13.3  | 10.7       | 13.0          | 15.4    | 12.9    | 4.5                            | 4.4        | 4.7          | 4.9   | 3.5  | 59 |
| 195.1   | 173.6      | 195.9         | 208.4   | 194.5   | 3.5                            | 4.2        | 3.9          | 3.4   | 2.8  | 60 |
| 6.3   | 6.9        | 3.2           | 9.4     | 4.2     | 1.9                            | 1.9        | 1.9          | 2.0   | 1.4  | 61 |
| 171.2   | 149.4      | 172.6         | 182.5   | 173.3   | 3.6                            | 4.3        | 3.8          | 3.4   | 2.8  | 62 |

TABLE 12. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BED SIZE OF HOSPITAL: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL 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   | NUMBER OF PATIENTS DISCHARGED IN THOUSANDS |           |              |              |              |                  |
|--|--|-----------|--------------|--------------|--------------|------------------|
|  | ALL SIZES                                  | 6-99 BEDS | 100-199 BEDS | 200-299 BEDS | 300-499 BEDS | 500 BEDS OR MORE |
| ALL CONDITIONS.....  | 38,783                                     | 6,336     | 7,481        | 5,990        | 10,041       | 8,934            |
| INFECTIOUS AND PARASITIC DISEASES.....001-139  | 677  | 119       | 152          | 100          | 165          | 142              |
| NEOPLASMS.....140-239  | 2,642                                      | 214       | 369          | 379          | 800          | 880              |
| MALIGNANT NEOPLASMS.....1/ 140-208,230-234   | 2,065                                      | 167       | 267          | 294          | 642          | 694              |
| MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197,0,197.3                              | 339  | 31        | 40           | 54           | 105          | 110              |
| MALIGNANT NEOPLASM OF BREAST.....174-175,198.81  | 244  | 18        | 30           | 38           | 77           | 81               |
| BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....1/ 210-229,235-239 | 577  | 47        | 101          | 86           | 158          | 186              |
| ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279                  | 1,207                                      | 255       | 227          | 187          | 300          | 239              |
| DIABETES MELLITUS.....250  | 675  | 145       | 125          | 104          | 172          | 129              |
| DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289   | 360  | 65        | 65           | 62           | 87           | 82               |
| ANEMIAS.....280-285  | 247  | 46        | 42           | 45           | 58           | 56               |
| MENTAL DISORDERS.....290-319   | 1,701                                      | 319       | 322          | 185          | 508          | 367              |
| PSYCHOSES.....290-299  | 576  | 66        | 93           | 51           | 199          | 167              |
| NEUROTIC AND PERSONALITY DISORDERS.....300-301   | 264  | 56        | 53           | 27           | 72           | 56               |
| ALCOHOL DEPENDENCE SYNDROME.....303  | 388  | 118       | 79           | 39           | 101          | 51               |
| DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389  | 1,878                                      | 196       | 374          | 296          | 517          | 495              |
| DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349   | 429  | 53        | 81           | 69           | 102          | 123              |
| CATARACT.....366   | 594  | 44        | 136          | 100          | 179          | 134              |
| DISEASES OF THE EAR AND MASTOID PROCESS.....380-389  | 360  | 48        | 75           | 62           | 96           | 79               |
| DISEASES OF THE CIRCULATORY SYSTEM.....390-459   | 5,654                                      | 953       | 1,003        | 986          | 1,473        | 1,240            |
| ESSENTIAL HYPERTENSION.....401   | 330  | 78        | 69           | 60           | 72           | 52               |
| HEART DISEASE.....391-392,0,393-398,402,404,410-416,420-429  | 3,597                                      | 622       | 633          | 610          | 931          | 802              |
| ACUTE MYOCARDIAL INFARCTION.....410  | 676  | 113       | 128          | 111          | 171          | 154              |
| ATHEROSCLEROTIC HEART DISEASE.....414.0  | 466  | 58        | 66           | 87           | 133          | 123              |
| OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9   | 938  | 148       | 155          | 155          | 256          | 224              |
| CONGESTIVE HEART FAILURE.....428.0   | 464  | 126       | 93           | 74           | 98           | 73               |
| CEREBROVASCULAR DISEASE.....430-438  | 860  | 145       | 154          | 162          | 212          | 187              |
| DISEASES OF THE RESPIRATORY SYSTEM.....460-519   | 3,632                                      | 839       | 800          | 565          | 822          | 606              |
| ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466   | 564  | 155       | 151          | 80           | 111          | 67               |
| CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 397  | 54        | 86           | 81           | 108          | 68               |
| PNEUMONIA, ALL FORMS.....480-486   | 837  | 246       | 183          | 119          | 170          | 120              |
| ASTHMA.....493   | 459  | 86        | 99           | 69           | 107          | 99               |
| DISEASES OF THE DIGESTIVE SYSTEM.....520-579   | 4,530                                      | 910       | 921          | 761          | 1,081        | 857              |
| ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534  | 352  | 77        | 78           | 59           | 81           | 57               |
| GASTRITIS AND DUODENITIS.....535   | 288  | 90        | 62           | 49           | 57           | 30               |
| APPENDICITIS.....540-543   | 261  | 49        | 57           | 42           | 70           | 44               |
| INGUINAL HERNIA.....550  | 477  | 67        | 92           | 79           | 138          | 102              |
| NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558  | 584  | 151       | 127          | 91           | 125          | 90               |
| DIVERTICULA OF INTESTINE.....562   | 204  | 46        | 45           | 37           | 45           | 30               |
| CHOLELITHIASIS.....574   | 482  | 95        | 90           | 92           | 114          | 91               |
| DISEASES OF THE GENITOURINARY SYSTEM.....580-629   | 3,311                                      | 494       | 702          | 512          | 861          | 742              |
| CALCULUS OF KIDNEY AND URETER.....592  | 330  | 56        | 60           | 53           | 90           | 71               |
| HYPERPLASIA OF PROSTATE.....600  | 269  | 30        | 52           | 50           | 78           | 59               |
| DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                              | 321  | 45        | 75           | 49           | 79           | 73               |
| COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676                          | 1,048                                      | 140       | 191          | 145          | 274          | 297              |
| ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639  | 492  | 50        | 90           | 65           | 131          | 155              |
| DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709   | 577  | 113       | 106          | 85           | 142          | 131              |
| DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739                           | 2,432                                      | 399       | 465          | 384          | 616          | 569              |
| ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 576  | 76        | 93           | 86           | 163          | 157              |
| INTERVERTEBRAL DISC DISORDERS.....722  | 473  | 56        | 84           | 83           | 136          | 114              |
| CONGENITAL ANOMALIES.....740-759   | 356  | 30        | 72           | 42           | 85           | 128              |
| CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                                 | 209  | 12        | 43           | 32           | 51           | 71               |
| SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799  | 585  | 94        | 117          | 97           | 144          | 133              |
| INJURY AND POISONING.....800-999   | 3,450                                      | 587       | 712          | 547          | 875          | 729              |
| FRACTURES, ALL SITES.....800-829   | 1,090                                      | 158       | 221          | 194          | 284          | 232              |
| FRACTURE OF NECK OF FEMUR.....820  | 230  | 36        | 43           | 45           | 63           | 44               |
| SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847   | 311  | 80        | 89           | 44           | 57           | 42               |
| INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                            | 275  | 55        | 58           | 49           | 65           | 49               |
| LACERATIONS AND OPEN WOUNDS.....870-904  | 309  | 54        | 55           | 48           | 79           | 73               |
| SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 4,532                                      | 598       | 842          | 626          | 1,240        | 1,227            |
| PERSONS ADMITTED FOR STERILIZATION.....V25.2   | 146  | 37        | 34           | 19           | 29           | 27               |
| FEMALES WITH DELIVERIES.....V27  | 3,976                                      | 517       | 738          | 554          | 1,101        | 1,066            |

1/ THE 1982 ESTIMATES FOR MALIGNANT NEOPLASMS AND FOR BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE WERE INCORRECTLY PRESENTED IN SERIES 13, NO. 78. THE CORRECT TOTAL NUMBER OF DISCHARGES FOR THE FORMER IS 2,016,000 AND FOR THE LATTER IS 577,000. CORRECT ESTIMATES BY PATIENT AND HOSPITAL CHARACTERISTICS CAN BE OBTAINED FROM THE HOSPITAL CARE STATISTICS BRANCH, NCHS.

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

TABLE 13. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BEC SIZE OF HOSPITAL: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL 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.....   | 6.9       | 5.8       | 6.4          | 6.8          | 7.3          | 7.8              |                                |  |  |  |  |  |
| INFECTIOUS AND PARASITIC DISEASES.....001-139   | 6.6       | 5.4       | 5.7          | 6.6          | 6.9          | 8.0              |                                |  |  |  |  |  |
| NEOPLASMS.....140-239   | 9.6       | 8.4       | 9.2          | 9.2          | 9.7          | 10.1             |                                |  |  |  |  |  |
| MALIGNANT NEOPLASMS.....140-208,230-234   | 10.5      | 9.4       | 10.6         | 10.3         | 10.5         | 10.9             |                                |  |  |  |  |  |
| MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3                           | 10.5      | 8.8       | 11.9         | 9.8          | 10.8         | 10.4             |                                |  |  |  |  |  |
| MALIGNANT NEOPLASM OF BREAST.....174-175,198.81   | 9.4       | 8.1       | 8.3          | 9.6          | 9.6          | 9.8              |                                |  |  |  |  |  |
| BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239 | 6.3       | 4.7       | 5.5          | 5.6          | 6.4          | 7.3              |                                |  |  |  |  |  |
| ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279               | 8.7       | 6.7       | 8.1          | 8.8          | 9.5          | 10.2             |                                |  |  |  |  |  |
| DIABETES MELLITUS.....250   | 9.5       | 7.3       | 8.6          | 9.4          | 10.3         | 11.6             |                                |  |  |  |  |  |
| DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289                                      | 6.7       | 5.5       | 5.4          | 6.6          | 7.0          | 8.3              |                                |  |  |  |  |  |
| ANEMIAS.....280-285   | 7.0       | 6.1       | 5.7          | 6.5          | 7.2          | 9.1              |                                |  |  |  |  |  |
| MENTAL DISORDERS.....290-319  | 12.4      | 8.7       | 13.4         | 9.7          | 13.3         | 14.9             |                                |  |  |  |  |  |
| PSYCHOSES.....290-299   | 15.4      | 14.2      | 12.6         | 11.7         | 16.4         | 17.4             |                                |  |  |  |  |  |
| NEUROTIC AND PERSONALITY DISORDERS.....300-301  | 10.1      | 7.1       | 10.3         | 8.8          | 11.1         | 12.4             |                                |  |  |  |  |  |
| ALCOHOL DEPENDENCE SYNDROME.....303   | 11.5      | 8.1       | 15.5         | 11.0         | 12.5         | 11.7             |                                |  |  |  |  |  |
| DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389                                     | 5.0       | 4.7       | 4.4          | 4.7          | 4.9          | 5.8              |                                |  |  |  |  |  |
| DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349                                      | 10.5      | 8.4       | 9.4          | 9.5          | 11.5         | 11.8             |                                |  |  |  |  |  |
| CATARACT.....366  | 2.5       | 2.9       | 2.6          | 2.4          | 2.4          | 2.7              |                                |  |  |  |  |  |
| DISEASES OF THE EAR AND MASTOID PROCESS.....380-389   | 3.0       | 3.5       | 3.0          | 2.8          | 2.9          | 3.0              |                                |  |  |  |  |  |
| DISEASES OF THE CIRCULATORY SYSTEM.....390-459  | 9.1       | 7.2       | 8.6          | 8.9          | 9.7          | 10.2             |                                |  |  |  |  |  |
| ESSENTIAL HYPERTENSION.....401  | 6.3       | 5.1       | 6.6          | 6.1          | 6.9          | 7.5              |                                |  |  |  |  |  |
| HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429                                     | 8.6       | 6.9       | 8.2          | 8.5          | 9.1          | 9.5              |                                |  |  |  |  |  |
| ACUTE MYOCARDIAL INFARCTION.....410   | 10.9      | 9.1       | 10.4         | 11.0         | 11.6         | 11.8             |                                |  |  |  |  |  |
| ATHEROSCLEROTIC HEART DISEASE.....414.0   | 8.4       | 6.0       | 8.8          | 8.8          | 8.8          | 8.6              |                                |  |  |  |  |  |
| OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9  | 6.9       | 4.9       | 6.3          | 6.5          | 7.4          | 8.2              |                                |  |  |  |  |  |
| CONGESTIVE HEART FAILURE.....428.0  | 9.7       | 7.8       | 9.6          | 10.0         | 11.4         | 10.4             |                                |  |  |  |  |  |
| CEREBROVASCULAR DISEASE.....430-438   | 11.7      | 9.6       | 10.7         | 11.0         | 12.7         | 13.9             |                                |  |  |  |  |  |
| DISEASES OF THE RESPIRATORY SYSTEM.....460-519  | 6.2       | 5.8       | 5.7          | 6.0          | 6.7          | 6.9              |                                |  |  |  |  |  |
| ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466                                      | 4.9       | 4.6       | 4.7          | 5.1          | 5.5          | 4.7              |                                |  |  |  |  |  |
| CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474   | 1.8       | 2.0       | 1.8          | 1.7          | 1.8          | 1.9              |                                |  |  |  |  |  |
| PNEUMONIA, ALL FORMS.....480-486  | 8.0       | 7.2       | 7.4          | 8.4          | 8.8          | 9.4              |                                |  |  |  |  |  |
| ASTHMA.....493  | 5.5       | 5.0       | 5.3          | 5.8          | 5.9          | 5.4              |                                |  |  |  |  |  |
| DISEASES OF THE DIGESTIVE SYSTEM.....520-579  | 6.6       | 5.7       | 6.2          | 6.8          | 6.8          | 7.3              |                                |  |  |  |  |  |
| ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534   | 7.7       | 6.2       | 7.1          | 8.1          | 7.8          | 9.7              |                                |  |  |  |  |  |
| GASTRITIS AND DUODENITIS.....535  | 5.3       | 5.1       | 5.6          | 4.6          | 5.9          | 5.2              |                                |  |  |  |  |  |
| APPENDICITIS.....540-543  | 5.4       | 5.0       | 4.8          | 5.3          | 6.0          | 5.6              |                                |  |  |  |  |  |
| INGUINAL HERNIA.....550   | 4.1       | 4.2       | 3.9          | 4.4          | 4.2          | 3.8              |                                |  |  |  |  |  |
| NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558   | 5.1       | 4.3       | 4.8          | 5.4          | 5.4          | 6.3              |                                |  |  |  |  |  |
| DIVERTICULA OF INTESTINE.....562  | 8.5       | 7.4       | 8.4          | 8.2          | 8.6          | 10.4             |                                |  |  |  |  |  |
| CHOLELITHIASIS.....574  | 8.7       | 7.9       | 8.5          | 8.5          | 9.2          | 9.1              |                                |  |  |  |  |  |
| DISEASES OF THE GENITOURINARY SYSTEM.....580-629  | 5.6       | 5.0       | 5.1          | 5.7          | 5.9          | 6.0              |                                |  |  |  |  |  |
| CALCULUS OF KIDNEY AND URETER.....592   | 4.5       | 3.3       | 4.2          | 4.3          | 5.1          | 5.3              |                                |  |  |  |  |  |
| HYPERPLASIA OF PROSTATE.....600   | 7.7       | 7.0       | 7.5          | 7.5          | 8.1          | 7.9              |                                |  |  |  |  |  |
| DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                           | 3.6       | 3.6       | 3.4          | 3.8          | 3.6          | 3.9              |                                |  |  |  |  |  |
| COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676                       | 2.5       | 2.3       | 2.3          | 2.5          | 2.6          | 2.6              |                                |  |  |  |  |  |
| ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639   | 2.0       | 2.0       | 2.0          | 2.3          | 2.0          | 1.9              |                                |  |  |  |  |  |
| DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709  | 8.1       | 6.6       | 7.5          | 8.3          | 8.1          | 9.9              |                                |  |  |  |  |  |
| DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739                        | 7.3       | 5.7       | 6.3          | 7.2          | 8.1          | 8.5              |                                |  |  |  |  |  |
| ARTHRITIS AND RELATED DISORDERS.....710-719   | 8.3       | 6.7       | 6.5          | 7.6          | 8.8          | 10.0             |                                |  |  |  |  |  |
| INTERVERTEBRAL DISC DISORDERS.....722   | 8.2       | 6.3       | 7.9          | 8.1          | 9.0          | 8.4              |                                |  |  |  |  |  |
| CONGENITAL ANOMALIES.....740-759  | 5.9       | 3.7       | 5.7          | 6.6          | 5.6          | 6.5              |                                |  |  |  |  |  |
| CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                              | 12.8      | 3.4       | 10.5         | 13.6         | 13.4         | 14.9             |                                |  |  |  |  |  |
| SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799   | 4.2       | 2.7       | 4.5          | 4.2          | 4.2          | 4.8              |                                |  |  |  |  |  |
| INJURY AND POISONING.....800-999  | 7.2       | 5.6       | 6.5          | 7.3          | 7.4          | 8.8              |                                |  |  |  |  |  |
| FRACTURES, ALL SITES.....800-829  | 10.2      | 9.0       | 8.9          | 10.2         | 10.4         | 12.1             |                                |  |  |  |  |  |
| FRACTURE OF NECK OF FEMUR.....820   | 18.0      | 17.3      | 18.0         | 17.5         | 17.1         | 20.4             |                                |  |  |  |  |  |
| SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847  | 6.6       | 5.9       | 6.5          | 7.2          | 7.2          | 6.8              |                                |  |  |  |  |  |
| INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                         | 5.5       | 2.6       | 5.0          | 5.7          | 6.1          | 8.6              |                                |  |  |  |  |  |
| LACERATIONS AND OPEN WOUNDS.....870-904   | 4.5       | 3.3       | 4.4          | 4.6          | 4.2          | 5.8              |                                |  |  |  |  |  |
| SUPPLEMENTARY CLASSIFICATIONS.....V01-V82   | 3.5       | 2.9       | 3.2          | 3.4          | 3.7          | 4.0              |                                |  |  |  |  |  |
| PERSONS ADMITTED FOR STERILIZATION.....V25.2  | 1.9       | 2.0       | 1.9          | 1.7          | 1.8          | 1.9              |                                |  |  |  |  |  |
| FEMALES WITH DELIVERIES.....V27   | 3.6       | 2.9       | 3.3          | 3.4          | 3.7          | 4.0              |                                |  |  |  |  |  |

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



TABLE 14. NUMBER OF ALL-LISTED DIAGNOSES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY DIAGNOSTIC CATEGORY AND AGE, SEX, RACE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1983

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

| DIAGNOSTIC CATEGORY AND ICD-9-CM CODE   | ALL DIAGNOSES | AGE            |             |             |                   |
|---|---------------|----------------|-------------|-------------|-------------------|
|   |               | UNDER 15 YEARS | 15-44 YEARS | 45-64 YEARS | 65 YEARS AND OVER |
| NUMBER OF ALL-LISTED DIAGNOSES IN THOUSANDS   |               |                |             |             |                   |
| 01 ALL CONDITIONS.....  | 101,969       | 6,759          | 32,633      | 23,393      | 39,183            |
| 02 INFECTIOUS AND PARASITIC DISEASES.....001-139  | 1,860         | 364            | 593         | 329         | 574               |
| 03 NEOPLASMS.....140-239  | 4,429         | 88             | 766         | 1,476       | 2,099             |
| 04 MALIGNANT NEOPLASMS.....1/ 140-208,230-234   | 3,285         | 52             | 304         | 1,121       | 1,808             |
| 05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3                              | 478           | *              | 18          | 194         | 265               |
| 06 MALIGNANT NEOPLASM OF BREAST.....174-175,198.81  | 297           | *              | 39          | 118         | 140               |
| 07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....1/ 210-229,235-239 | 1,145         | 36             | 462         | 356         | 291               |
| 08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279                  | 6,088         | 281            | 1,044       | 1,846       | 2,918             |
| 09 DIABETES MELLITUS.....250  | 2,775         | 32             | 393         | 913         | 1,437             |
| 10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289   | 1,758         | 151            | 467         | 360         | 780               |
| 11 ANEMIAS.....280-285  | 1,349         | 77             | 368         | 256         | 648               |
| 12 MENTAL DISORDERS.....290-319   | 4,425         | 103            | 2,003       | 1,115       | 1,204             |
| 13 PSYCHOSES.....290-299  | 1,073         | *7             | 408         | 262         | 396               |
| 14 NEUROTIC AND PERSONALITY DISORDERS.....300-301   | 941           | 13             | 480         | 258         | 190               |
| 15 ALCOHOL DEPENDENCE SYNDROME.....303  | 781           | *              | 404         | 282         | 92                |
| 16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389  | 4,383         | 692            | 753         | 927         | 2,011             |
| 17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349   | 1,394         | 110            | 306         | 301         | 677               |
| 18 CATARACT.....366   | 697           | *              | 20          | 112         | 561               |
| 19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389  | 879           | 470            | 132         | 111         | 167               |
| 20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459   | 19,579        | 112            | 1,300       | 5,435       | 12,733            |
| 21 ESSENTIAL HYPERTENSION.....401   | 2,657         | *7             | 272         | 959         | 1,419             |
| 22 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429  | 11,924        | 72             | 583         | 3,279       | 7,991             |
| 23 ACUTE MYOCARDIAL INFARCTION.....410  | 785           | *              | 49          | 278         | 456               |
| 24 ATHEROSCLEROTIC HEART DISEASE.....414.0  | 1,973         | *              | 32          | 446         | 1,492             |
| 25 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9   | 3,077         | *6             | 151         | 1,179       | 1,742             |
| 26 CONGESTIVE HEART FAILURE.....428.0   | 1,515         | 12             | 25          | 270         | 1,207             |
| 27 CEREBROVASCULAR DISEASE.....430-438  | 1,966         | 11             | 51          | 382         | 1,521             |
| 28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519   | 7,633         | 1,583          | 1,382       | 1,653       | 3,015             |
| 29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466   | 989           | 441            | 182         | 144         | 223               |
| 30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474  | 513           | 361            | 145         | *           | *                 |
| 31 PNEUMONIA, ALL FORMS.....480-486   | 1,334         | 336            | 178         | 226         | 594               |
| 32 ASTHMA.....493   | 709           | 179            | 170         | 182         | 178               |
| 33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579   | 9,158         | 625            | 2,431       | 2,550       | 3,553             |
| 34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534  | 660           | *              | 131         | 217         | 309               |
| 35 GASTRITIS AND DUODENITIS.....535   | 678           | 27             | 227         | 220         | 203               |
| 36 APPENDICITIS.....540-543   | 308           | 78             | 172         | 34          | 23                |
| 37 INGUINAL HERNIA.....550  | 568           | 88             | 140         | 166         | 174               |
| 38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558  | 838           | 238            | 262         | 134         | 204               |
| 39 DIVERTICULA OF INTESTINE.....562   | 595           | *              | 24          | 146         | 424               |
| 40 CHOLELITHIASIS.....574   | 774           | *              | 197         | 233         | 342               |
| 41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629   | 7,744         | 265            | 3,292       | 1,797       | 2,390             |
| 42 CALCULUS OF KIDNEY AND URETER.....592  | 416           | *              | 190         | 134         | 89                |
| 43 HYPERPLASIA OF PROSTATE.....600  | 512           | -              | *5          | 133         | 374               |
| 44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626                              | 475           | *              | 375         | 95          | *                 |
| 45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676                          | 6,365         | 18             | 6,339       | *7          | ...               |
| 46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639  | 523           | *              | 519         | *           | ...               |
| 47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709   | 1,361         | 117            | 427         | 362         | 456               |
| 48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739                           | 5,869         | 121            | 1,684       | 1,724       | 2,341             |
| 49 ARTHROPATHIES AND RELATED DISORDERS.....710-719  | 2,013         | 33             | 361         | 503         | 1,116             |
| 50 INTERVERTEBRAL DISC DISORDERS.....722  | 627           | *              | 289         | 221         | 115               |
| 51 CONGENITAL ANOMALIES.....740-759   | 854           | 362            | 223         | 134         | 135               |
| 52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779                                 | 478           | 469            | *           | *8          | -                 |
| 53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799  | 5,297         | 556            | 1,363       | 1,392       | 1,987             |
| 54 INJURY AND POISONING.....800-999   | 6,340         | 655            | 3,023       | 1,179       | 1,483             |
| 55 FRACTURES, ALL SITES.....800-829   | 1,607         | 178            | 630         | 260         | 539               |
| 56 FRACTURE OF NECK OF FEMUR.....820  | 255           | *              | 13          | 27          | 212               |
| 57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847   | 500           | *6             | 308         | 124         | 62                |
| 58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854                            | 352           | 76             | 189         | 42          | 44                |
| 59 LACERATIONS AND OPEN WOUNDS.....870-904  | 668           | 77             | 419         | 94          | 78                |
| 60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82  | 8,348         | 199            | 5,543       | 1,101       | 1,505             |
| 61 PERSONS ADMITTED FOR STERILIZATION.....V25.2   | 589           | *              | 584         | *           | *                 |
| 62 FEMALES WITH DELIVERIES.....V27  | 3,976         | 11             | 3,962       | *           | ...               |

1/ THE 1982 ESTIMATES FOR MALIGNANT NEOPLASMS AND FOR BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE WERE INCORRECTLY PRESENTED IN SERIES 13, NO. 78. THE CORRECT TOTAL ALL-LISTED DIAGNOSES FOR THE FORMER IS 3,262,000 AND FOR THE LATTER IS 1,172,000. CORRECT ESTIMATES BY PATIENT AND HOSPITAL CHARACTERISTICS CAN BE OBTAINED FROM THE HOSPITAL CARE STATISTICS BRANCH, NCHS.

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

TABLE 14. NUMBER OF ALL-LISTED DIAGNOSES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY DIAGNOSTIC CATEGORY AND AGE, SEX, RACE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1983--CON.

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

| SEX   |        | RACE   |           |            | REGION     |               |        |        | BED SIZE  |              |              |              |                  |    |
|---|--------|--------|-----------|------------|------------|---------------|--------|--------|-----------|--------------|--------------|--------------|------------------|----|
| MALE  | FEMALE | WHITE  | ALL OTHER | NOT STATED | 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. |        |        |           |            |            |               |        |        |           |              |              |              |                  |    |
| 40,705  | 61,264 | 80,325 | 13,336    | 8,308      | 20,436     | 27,680        | 36,395 | 17,458 | 17,938    | 19,965       | 15,584       | 26,149       | 22,332           | 01 |
| 796   | 1,065  | 1,420  | 309       | 131        | 345        | 497           | 727    | 292    | 318       | 386          | 276          | 430          | 451              | 02 |
| 1,904   | 2,525  | 3,563  | 508       | 358        | 1,067      | 1,248         | 1,359  | 755    | 437       | 668          | 658          | 1,305        | 1,361            | 03 |
| 1,610   | 1,675  | 2,685  | 334       | 266        | 789        | 956           | 952    | 587    | 316       | 445          | 476          | 1,004        | 1,044            | 04 |
| 285   | 192    | 386    | 58        | 34         | 111        | 133           | 146    | 88     | 48        | 61           | 75           | 148          | 145              | 05 |
| *   | 294    | 243    | 30        | 24         | 79         | 86            | 83     | 49     | 23        | 39           | 48           | 89           | 98               | 06 |
| 294   | 851    | 878    | 174       | 92         | 278        | 292           | 407    | 167    | 122       | 223          | 182          | 301          | 317              | 07 |
| 2,261   | 3,828  | 4,802  | 856       | 431        | 1,230      | 1,708         | 2,207  | 943    | 1,234     | 1,211        | 946          | 1,530        | 1,168            | 08 |
| 1,108   | 1,667  | 2,145  | 427       | 202        | 639        | 752           | 976    | 408    | 522       | 530          | 439          | 726          | 558              | 09 |
| 659   | 1,099  | 1,274  | 368       | 116        | 392        | 449           | 611    | 306    | 300       | 316          | 265          | 434          | 443              | 10 |
| 457   | 892    | 945    | 318       | 87         | 306        | 335           | 483    | 226    | 236       | 242          | 208          | 326          | 337              | 11 |
| 2,122   | 2,303  | 3,355  | 632       | 437        | 977        | 1,377         | 1,344  | 726    | 867       | 842          | 543          | 1,243        | 930              | 12 |
| 480   | 593    | 829    | 156       | 88         | 235        | 333           | 323    | 182    | 160       | 181          | 115          | 339          | 278              | 13 |
| 317   | 624    | 766    | 91        | 84         | 159        | 294           | 342    | 146    | 199       | 188          | 117          | 256          | 181              | 14 |
| 583   | 198    | 498    | 157       | 126        | 265        | 252           | 141    | 123    | 182       | 160          | 85           | 219          | 134              | 15 |
| 1,974   | 2,409  | 3,517  | 474       | 391        | 832        | 1,321         | 1,442  | 788    | 587       | 858          | 692          | 1,201        | 1,045            | 16 |
| 683   | 710    | 1,125  | 161       | 107        | 264        | 407           | 483    | 239    | 212       | 266          | 227          | 360          | 329              | 17 |
| 251   | 446    | 566    | 48        | 83         | 132        | 217           | 199    | 149    | 62        | 154          | 111          | 213          | 156              | 18 |
| 436   | 443    | 707    | 93        | 79         | 164        | 279           | 312    | 124    | 128       | 186          | 156          | 229          | 180              | 19 |
| 9,409   | 10,170 | 16,254 | 2,021     | 1,304      | 4,348      | 5,089         | 6,902  | 3,239  | 3,589     | 3,788        | 3,228        | 5,019        | 3,955            | 20 |
| 1,052   | 1,606  | 2,037  | 452       | 169        | 569        | 715           | 965    | 409    | 526       | 515          | 407          | 661          | 548              | 21 |
| 5,939   | 5,986  | 10,095 | 1,051     | 778        | 2,765      | 3,046         | 4,163  | 1,951  | 2,179     | 2,291        | 1,982        | 3,045        | 2,428            | 22 |
| 488   | 297    | 681    | 52        | 52         | 191        | 190           | 274    | 130    | 134       | 150          | 125          | 198          | 178              | 23 |
| 973   | 999    | 1,701  | 135       | 137        | 504        | 550           | 620    | 298    | 324       | 355          | 356          | 537          | 400              | 24 |
| 1,707   | 1,371  | 2,657  | 225       | 196        | 717        | 747           | 1,072  | 542    | 541       | 565          | 493          | 802          | 675              | 25 |
| 663   | 851    | 1,269  | 154       | 91         | 360        | 400           | 537    | 218    | 369       | 299          | 247          | 344          | 256              | 26 |
| 901   | 1,065  | 1,615  | 214       | 136        | 391        | 529           | 687    | 358    | 363       | 378          | 348          | 501          | 377              | 27 |
| 3,963   | 3,670  | 6,226  | 806       | 601        | 1,395      | 2,167         | 2,912  | 1,158  | 1,774     | 1,614        | 1,183        | 1,773        | 1,288            | 28 |
| 489   | 500    | 792    | 122       | 76         | 160        | 276           | 429    | 125    | 274       | 249          | 141          | 201          | 123              | 29 |
| 240   | 272    | 408    | 41        | 64         | 77         | 178           | 184    | 74     | 67        | 114          | 102          | 139          | 91               | 30 |
| 695   | 640    | 1,069  | 169       | 97         | 233        | 369           | 542    | 190    | 379       | 300          | 192          | 268          | 195              | 31 |
| 289   | 420    | 509    | 148       | 51         | 154        | 180           | 241    | 133    | 141       | 148          | 102          | 172          | 145              | 32 |
| 4,059   | 5,099  | 7,427  | 1,058     | 673        | 1,788      | 2,405         | 3,577  | 1,387  | 1,880     | 1,907        | 1,510        | 2,164        | 1,697            | 33 |
| 323   | 337    | 545    | 71        | 45         | 117        | 170           | 278    | 95     | 145       | 143          | 109          | 161          | 102              | 34 |
| 297   | 381    | 548    | 86        | 44         | 110        | 178           | 308    | 82     | 195       | 160          | 106          | 135          | 82               | 35 |
| 159   | 149    | 250    | 35        | 23         | 64         | 76            | 107    | 61     | 59        | 68           | 49           | 82           | 50               | 36 |
| 508   | 60     | 457    | 61        | 50         | 141        | 147           | 177    | 104    | 79        | 112          | 94           | 161          | 121              | 37 |
| 332   | 507    | 685    | 90        | 64         | 134        | 217           | 373    | 114    | 224       | 184          | 121          | 182          | 128              | 38 |
| 203   | 392    | 501    | 53        | 41         | 125        | 159           | 238    | 72     | 141       | 121          | 103          | 132          | 98               | 39 |
| 251   | 523    | 643    | 78        | 53         | 155        | 218           | 298    | 103    | 149       | 145          | 142          | 193          | 145              | 40 |
| 2,495   | 5,249  | 6,130  | 1,045     | 568        | 1,521      | 1,956         | 3,120  | 1,146  | 1,194     | 1,631        | 1,214        | 1,987        | 1,717            | 41 |
| 282   | 134    | 355    | 30        | 31         | 75         | 105           | 177    | 59     | 70        | 74           | 67           | 118          | 87               | 42 |
| 512   | ...    | 423    | 46        | 44         | 119        | 141           | 172    | 80     | 74        | 102          | 89           | 143          | 105              | 43 |
| ...   | 475    | 358    | 75        | 42         | 116        | 110           | 190    | 59     | 67        | 105          | 72           | 121          | 110              | 44 |
| ...   | 6,365  | 4,374  | 1,293     | 698        | 1,223      | 1,620         | 2,285  | 1,236  | 833       | 1,134        | 871          | 1,746        | 1,781            | 45 |
| ...   | 523    | 333    | 148       | 41         | 176        | 101           | 173    | 72     | 53        | 97           | 73           | 140          | 160              | 46 |
| 614   | 747    | 1,050  | 206       | 105        | 303        | 373           | 463    | 223    | 272       | 262          | 199          | 337          | 292              | 47 |
| 2,172   | 3,698  | 4,723  | 630       | 516        | 948        | 1,796         | 1,968  | 1,158  | 1,248     | 1,217        | 875          | 1,402        | 1,127            | 48 |
| 700   | 1,313  | 1,643  | 210       | 161        | 346        | 597           | 709    | 360    | 440       | 382          | 300          | 502          | 389              | 49 |
| 332   | 294    | 493    | 59        | 74         | 89         | 182           | 215    | 141    | 95        | 119          | 106          | 172          | 135              | 50 |
| 421   | 434    | 636    | 130       | 88         | 155        | 252           | 300    | 148    | 102       | 177          | 107          | 212          | 256              | 51 |
| 280   | 198    | 321    | 113       | 44         | 84         | 120           | 200    | 75     | 18        | 87           | 71           | 116          | 185              | 52 |
| 2,440   | 2,856  | 4,220  | 704       | 373        | 1,001      | 1,429         | 1,962  | 905    | 986       | 1,065        | 834          | 1,328        | 1,084            | 53 |
| 3,502   | 2,839  | 4,916  | 852       | 573        | 1,225      | 1,693         | 2,164  | 1,258  | 1,130     | 1,284        | 976          | 1,623        | 1,327            | 54 |
| 844   | 762    | 1,287  | 165       | 154        | 327        | 392           | 535    | 352    | 233       | 318          | 286          | 420          | 350              | 55 |
| 66  | 189    | 220    | 11        | 24         | 55         | 67            | 78     | 56     | 39        | 48           | 51           | 69           | 48               | 56 |
| 238   | 262    | 359    | 108       | 34         | 102        | 119           | 215    | 64     | 123       | 151          | 69           | 90           | 67               | 57 |
| 217   | 135    | 271    | 53        | 28         | 86         | 88            | 121    | 57     | 72        | 76           | 59           | 85           | 61               | 58 |
| 478   | 190    | 486    | 118       | 64         | 122        | 175           | 247    | 124    | 120       | 121          | 108          | 180          | 140              | 59 |
| 1,638   | 6,711  | 6,116  | 1,332     | 900        | 1,603      | 2,180         | 2,849  | 1,716  | 1,170     | 1,519        | 1,137        | 2,299        | 2,224            | 60 |
| *8  | 581    | 399    | 135       | 55         | 103        | 109           | 290    | 87     | 112       | 132          | 85           | 128          | 132              | 61 |
| ...   | 3,976  | 2,769  | 729       | 482        | 738        | 1,015         | 1,435  | 787    | 517       | 738          | 554          | 1,101        | 1,066            | 62 |

TABLE 15. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND AGE: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL 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 | UNDER 15 YEARS | 15-44 YEARS | 45-64 YEARS | 65 YEARS AND OVER |
|--|----------|----------------|-------------|-------------|-------------------|
| NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS                                     |          |                |             |             |                   |
| ALL PROCEDURES.....  | 35,939   | 2,293          | 15,214      | 8,615       | 9,816             |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                       | 923      | 143            | 332         | 257         | 192               |
| SPINAL TAP.....03.31   | 275      | 100            | 82          | 41          | 52                |
| OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9               | 236      | *7             | 110         | 81          | 39                |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                     | 105      | *5             | 41          | 36          | 22                |
| OPERATIONS ON THE EYE.....08-16  | 1,558    | 67             | 119         | 295         | 1,077             |
| EXTRACTION OF LENS.....13.1-13.6   | 630      | *5             | 18          | 106         | 501               |
| INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7                             | 516      | *              | *7          | 82          | 427               |
| OPERATIONS ON THE EAR.....18-20  | 372      | 220            | 83          | 43          | 27                |
| MYRINGOTOMY.....20.0   | 187      | 169            | 10          | *5          | *                 |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                             | 1,503    | 451            | 691         | 223         | 138               |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 263      | 13             | 188         | 46          | 15                |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                        | 424      | 279            | 140         | *5          | *                 |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                   | 970      | 74             | 182         | 335         | 378               |
| BRONCHOSCOPY.....33.21-33.23   | 229      | 17             | 34          | 76          | 102               |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                | 1,908    | 117            | 232         | 784         | 775               |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5   | 275      | 18             | 21          | 148         | 88                |
| DIRECT HEART REVASCULARIZATION.....36.1  | 191      | *              | 11          | 112         | 67                |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 508      | 32             | 61          | 277         | 138               |
| PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8              | 189      | -              | *9          | 31          | 150               |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                           | 365      | 23             | 85          | 106         | 151               |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                     | 5,847    | 281            | 2,003       | 1,596       | 1,966             |
| ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13                  | 246      | *9             | 52          | 91          | 95                |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8           | 248      | *5             | 28          | 68          | 148               |
| ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24                         | 604      | *7             | 131         | 165         | 302               |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                      | 282      | *7             | 165         | 28          | 15                |
| HEMORRHOIDECTOMY.....49.43-49.46   | 134      | -              | 64          | 50          | 21                |
| CHOLECYSTECTOMY.....51.2   | 487      | *              | 167         | 162         | 156               |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 510      | 81             | 134         | 155         | 140               |
| OTHER HERNIA REPAIR.....53.2-53.9  | 204      | 13             | 53          | 70          | 68                |
| LAPAROSCOPY.....54.21  | 265      | *              | 246         | 13          | *                 |
| DIVISION OF PERITONEAL ADHESIONS.....54.5  | 298      | *              | 180         | 58          | 57                |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                       | 1,872    | 95             | 422         | 521         | 834               |
| ENDOSCOPIES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22            | 800      | 31             | 135         | 222         | 411               |
| DILATION OF URETHRA.....58.6   | 163      | 13             | 37          | 43          | 70                |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                  | 845      | 126            | 131         | 178         | 410               |
| PROSTATECTOMY.....60.2-60.6  | 357      | ...            | *           | 81          | 274               |
| CIRCUMCISION.....64.0  | 91       | 53             | 19          | 12          | *8                |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                | 3,872    | 10             | 2,934       | 688         | 240               |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                             | 512      | *              | 314         | 153         | 44                |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3              | 568      | *              | 564         | *           | -                 |
| HYSTERECTOMY.....68.3-68.7   | 672      | -              | 440         | 180         | 53                |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                       | 95       | *              | 93          | *           | ...               |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02            | 281      | *              | 281         | *           | ...               |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                            | 632      | *              | 421         | 166         | 44                |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                       | 150      | -              | 58          | 56          | 35                |
| OBSTETRICAL PROCEDURES.....72-75   | 3,914    | 10             | 3,902       | *           | ...               |
| EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71         | 369      | *              | 368         | *           | ...               |
| EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6                        | 1,574    | *5             | 1,569       | *           | ...               |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99  | 808      | *              | 805         | *           | ...               |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                             | 479      | *              | 478         | -           | ...               |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                               | 3,762    | 249            | 1,719       | 964         | 830               |
| OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6 | 423      | 30             | 190         | 70          | 133               |
| OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4     | 237      | 70             | 89          | 36          | 42                |
| ARTHROSCOPY.....80.2   | 260      | *8             | 176         | 58          | 18                |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0   | 258      | *5             | 143         | 89          | 21                |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                 | 147      | *              | 91          | 37          | 15                |
| ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47                             | 147      | *              | 74          | 29          | 41                |
| ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6                                | 159      | -              | *7          | 34          | 118               |
| OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9          | 403      | 41             | 190         | 116         | 57                |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                 | 1,830    | 121            | 740         | 559         | 410               |
| EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23    | 113      | *              | 48          | 43          | 21                |
| MASTECTOMY.....85.4  | 116      | *              | 17          | 54          | 44                |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                    | 6,292    | 302            | 1,597       | 2,027       | 2,366             |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38    | 871      | 46             | 212         | 240         | 373               |
| CONTRAST MYELOGRAM.....87.21   | 404      | *              | 215         | 139         | 46                |
| PYELOGRAM.....87.73-87.75  | 453      | 18             | 145         | 137         | 153               |
| ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5        | 825      | 16             | 104         | 389         | 316               |
| DIAGNOSTIC ULTRASOUND.....88.7   | 695      | 31             | 225         | 189         | 249               |
| RADIOISOTOPE SCAN.....92.0-92.1  | 685      | 14             | 119         | 230         | 322               |

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

TABLE 16. RATE OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND AGE: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL 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 | UNDER 15 YEARS | 15-44 YEARS | 45-64 YEARS | 65 YEARS AND OVER |
|--|----------|----------------|-------------|-------------|-------------------|
| RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION                             |          |                |             |             |                   |
| ALL PROCEDURES.....  | 15,471.8 | 4,445.7        | 13,984.4    | 19,351.1    | 35,846.6          |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                       | 397.5    | 276.3          | 305.0       | 577.7       | 700.4             |
| SPINAL TAP.....03.31   | 118.5    | 194.3          | 75.3        | 92.9        | 188.9             |
| OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9               | 101.6    | *13.1          | 100.9       | 181.1       | 141.7             |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                     | 45.1     | *10.1          | 37.9        | 80.9        | 81.3              |
| OPERATIONS ON THE EYE.....08-16  | 670.9    | 129.5          | 109.4       | 663.7       | 3,933.4           |
| EXTRACTION OF LENS.....13.1-13.6   | 271.1    | *9.8           | 16.6        | 238.4       | 1,827.9           |
| INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7                             | 222.3    | *              | *6.8        | 183.3       | 1,560.5           |
| OPERATIONS ON THE EAR.....18-20  | 160.2    | 425.7          | 76.7        | 95.7        | 96.8              |
| MYRINGOTOMY.....20.0   | 80.6     | 326.7          | 9.5         | *11.0       | *                 |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                             | 646.9    | 874.9          | 634.7       | 500.4       | 504.0             |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 113.1    | 25.2           | 173.1       | 104.3       | 55.0              |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                        | 182.7    | 541.2          | 128.3       | *10.9       | *                 |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                   | 417.5    | 142.7          | 167.6       | 753.5       | 1,381.7           |
| BRONCHOSCOPY.....33.21-33.23   | 98.5     | 33.6           | 31.5        | 169.7       | 370.8             |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                | 821.3    | 227.0          | 212.9       | 1,760.7     | 2,830.6           |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5   | 118.6    | 35.3           | 19.4        | 332.2       | 322.1             |
| DIRECT HEART REVASCULARIZATION.....36.1  | 82.4     | *              | 9.7         | 252.3       | 246.3             |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 218.8    | 62.4           | 55.7        | 622.9       | 504.2             |
| PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8              | 81.5     | -              | *8.0        | 69.1        | 547.6             |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                           | 157.3    | 44.0           | 78.5        | 238.2       | 552.4             |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                     | 2,517.0  | 545.0          | 1,841.2     | 3,585.7     | 7,179.8           |
| ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13                  | 106.0    | *17.7          | 47.6        | 203.5       | 345.7             |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8           | 106.9    | *8.9           | 25.5        | 153.4       | 539.4             |
| ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24                         | 260.1    | *13.2          | 120.1       | 370.7       | 1,102.1           |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                      | 121.4    | 144.9          | 151.4       | 62.5        | 54.1              |
| HEMORRHOIDECTOMY.....49.43-49.46   | 57.8     | -              | 58.8        | 111.5       | 75.6              |
| CHOLECYSTECTOMY.....51.2   | 209.6    | *              | 153.8       | 364.1       | 570.1             |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 219.5    | 156.4          | 123.4       | 348.5       | 510.5             |
| OTHER HERNIA REPAIR.....53.2-53.9  | 87.9     | 25.7           | 48.6        | 156.8       | 249.4             |
| LAPAROSCOPY.....54.21  | 114.1    | *              | 226.5       | 28.9        | *                 |
| DIVISION OF PERITONEAL ADHESIONS.....54.5  | 128.2    | *              | 165.1       | 130.8       | 207.1             |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                       | 806.0    | 183.2          | 388.3       | 1,170.7     | 3,046.0           |
| ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22             | 344.2    | 60.2           | 123.9       | 499.7       | 1,501.9           |
| DILATION OF URETHRA.....58.6   | 70.4     | 25.3           | 34.3        | 96.6        | 255.9             |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                  | 363.8    | 244.7          | 120.2       | 400.6       | 1,496.4           |
| PROSTATECTOMY.....60.2-60.6  | 153.6    | ...            | *           | 183.0       | 999.1             |
| CIRCUMCISION.....64.0  | 39.3     | 102.4          | 17.4        | 26.0        | *29.2             |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                | 1,666.9  | 19.8           | 2,697.0     | 1,545.0     | 875.7             |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                             | 220.5    | *              | 288.7       | 343.4       | 160.5             |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3              | 244.4    | *              | 518.6       | *           | -                 |
| HYSTERECTOMY.....68.3-68.7   | 289.4    | -              | 404.1       | 404.0       | 192.7             |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                       | 41.0     | *              | 85.8        | *           | ...               |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02            | 121.0    | *              | 257.9       | *           | ...               |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                            | 272.1    | *              | 387.2       | 372.7       | 161.1             |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                       | 64.5     | -              | 53.5        | 126.5       | 129.5             |
| OBSTETRICAL PROCEDURES.....72-75   | 1,685.1  | 19.6           | 3,586.5     | *           | ...               |
| EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71         | 158.7    | *              | 338.0       | *           | ...               |
| EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6                        | 677.8    | *9.7           | 1,442.1     | *           | ...               |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99  | 347.6    | *              | 740.4       | *           | ...               |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                             | 206.3    | *              | 438.9       | -           | ...               |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                               | 1,619.5  | 483.4          | 1,579.9     | 2,165.3     | 3,029.7           |
| OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6 | 182.1    | 58.4           | 174.6       | 157.7       | 484.2             |
| OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4     | 101.9    | 135.2          | 81.6        | 81.0        | 153.7             |
| ARTHROSCOPY.....80.2   | 111.8    | *15.0          | 161.7       | 129.6       | 66.9              |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0   | 111.1    | *10.1          | 131.5       | 199.3       | 76.8              |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                 | 63.4     | *              | 84.0        | 83.9        | 54.9              |
| ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47                             | 63.2     | *              | 68.4        | 65.2        | 149.0             |
| ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6                                | 68.4     | -              | *6.7        | 76.5        | 429.3             |
| OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9          | 173.5    | 78.7           | 174.2       | 261.1       | 207.2             |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                 | 788.0    | 234.5          | 680.2       | 1,255.7     | 1,498.5           |
| EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23    | 48.8     | *              | 43.7        | 97.4        | 77.3              |
| MASTECTOMY.....85.4  | 50.0     | *              | 15.6        | 120.5       | 162.5             |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                    | 2,708.7  | 585.3          | 1,468.3     | 4,552.3     | 8,639.7           |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38    | 374.8    | 88.4           | 195.3       | 538.1       | 1,362.2           |
| CONTRAST MYELOGRAM.....87.21   | 173.8    | *              | 198.1       | 313.2       | 168.9             |
| PYELOGRAM.....87.73-87.75  | 195.0    | 34.2           | 133.3       | 307.7       | 560.0             |
| ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5        | 355.2    | 31.3           | 95.8        | 874.2       | 1,152.4           |
| DIAGNOSTIC ULTRASOUND.....88.7   | 299.0    | 60.9           | 206.9       | 424.8       | 909.0             |
| RADIOISOTOPE SCAN.....92.0-92.1  | 295.0    | 28.0           | 109.2       | 516.1       | 1,176.5           |

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

TABLE 17. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND SEX: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL 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   | BOTH SEXES | MALE   | FEMALE |
|--|------------|--------|--------|
| NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS                                     |            |        |        |
| ALL PROCEDURES.....  | 35,939     | 13,993 | 21,946 |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                       | 923        | 453    | 470    |
| SPINAL TAP.....03.1-03.31  | 275        | 135    | 140    |
| OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9               | 236        | 98     | 138    |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                     | 105        | 28     | 76     |
| OPERATIONS ON THE EYE.....08-16  | 1,558      | 602    | 956    |
| EXTRACTION OF LENS.....13.1-13.6   | 630        | 227    | 403    |
| INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7                             | 516        | 184    | 333    |
| OPERATIONS ON THE EAR.....18-20  | 372        | 206    | 166    |
| MYRINGOTOMY.....20.0   | 187        | 108    | 79     |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                             | 1,503      | 729    | 774    |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 263        | 125    | 138    |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                        | 424        | 187    | 237    |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                   | 970        | 585    | 385    |
| BRONCHOSCOPY.....33.21-33.23   | 229        | 137    | 91     |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                | 1,908      | 1,147  | 761    |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5   | 275        | 194    | 82     |
| DIRECT HEART REVASCLARIZATION.....36.1   | 191        | 145    | 46     |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 508        | 326    | 182    |
| PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8              | 189        | 95     | 95     |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                           | 365        | 181    | 185    |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                     | 5,847      | 2,506  | 3,341  |
| ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13                  | 246        | 107    | 139    |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8           | 248        | 114    | 134    |
| ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24                         | 604        | 237    | 367    |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                      | 282        | 147    | 135    |
| HEMORRHOIDECTOMY.....49.43-49.46   | 134        | 76     | 59     |
| CHOLECYSTECTOMY.....51.2   | 487        | 147    | 340    |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 510        | 456    | 54     |
| OTHER HERNIA REPAIR.....53.2-53.9  | 204        | 75     | 129    |
| LAPAROSCOPY.....54.21  | 265        | *      | 262    |
| DIVISION OF PERITONEAL ADHESIONS.....54.5  | 298        | 38     | 260    |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                       | 1,872      | 1,098  | 774    |
| ENDOSCOPIES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22            | 800        | 532    | 268    |
| DILATION OF URETHRA.....58.6   | 163        | 80     | 83     |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                  | 845        | 845    | ...    |
| PROSTATECTOMY.....60.2-60.6  | 357        | 357    | ...    |
| CIRCUMCISION.....64.0  | 91         | 91     | ...    |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                | 3,872      | ...    | 3,872  |
| DOPHORECTOMY AND SALPINGO-DOPHORECTOMY.....65.3-65.6                             | 512        | ...    | 512    |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3              | 568        | ...    | 568    |
| HYSTERECTOMY.....68.3-68.7   | 672        | ...    | 672    |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                       | 95         | ...    | 95     |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02            | 281        | ...    | 281    |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                            | 632        | ...    | 632    |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                       | 150        | ...    | 150    |
| OBSTETRICAL PROCEDURES.....72-75   | 3,914      | ...    | 3,914  |
| EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71         | 369        | ...    | 369    |
| EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6                        | 1,574      | ...    | 1,574  |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99  | 808        | ...    | 808    |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                             | 479        | ...    | 479    |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                               | 3,762      | 1,826  | 1,936  |
| OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6 | 423        | 218    | 205    |
| OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4     | 237        | 139    | 97     |
| ARTHROSCOPY.....80.2   | 260        | 164    | 96     |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0   | 258        | 142    | 116    |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                 | 147        | 97     | 50     |
| ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47                             | 147        | 79     | 68     |
| ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6                                | 159        | 51     | 108    |
| OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9          | 403        | 217    | 186    |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                 | 1,830      | 709    | 1,122  |
| EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23    | 113        | *6     | 107    |
| MASTECTOMY.....85.4  | 116        | *6     | 110    |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                    | 6,292      | 3,077  | 3,215  |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38    | 871        | 431    | 440    |
| CONTRAST MYELOGRAM.....87.21   | 404        | 230    | 173    |
| PYELOGRAM.....87.73-87.75  | 453        | 251    | 202    |
| ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5        | 825        | 508    | 317    |
| DIAGNOSTIC ULTRASOUND.....88.7   | 695        | 264    | 431    |
| RADIOISOTOPE SCAN.....92.0-92.1  | 685        | 319    | 367    |

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

TABLE 18. RATE OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND SEX: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL 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   | BOTH SEXES | MALE     | FEMALE   |
|--|------------|----------|----------|
| RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION                             |            |          |          |
| ALL PROCEDURES.....  | 15,471.8   | 12,474.5 | 18,271.1 |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                       | 397.5      | 404.1    | 391.4    |
| SPINAL TAP.....03-31   | 118.5      | 120.1    | 117.0    |
| OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9               | 101.6      | 87.1     | 115.1    |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                     | 45.1       | 25.3     | 63.5     |
| OPERATIONS ON THE EYE.....08-16  | 670.9      | 537.1    | 795.8    |
| EXTRACTION OF LENS.....13.1-13.6   | 271.1      | 202.2    | 335.5    |
| INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7                             | 222.3      | 163.7    | 277.1    |
| OPERATIONS ON THE EAR.....18-20  | 160.2      | 184.1    | 138.0    |
| MYRINGOTOMY.....20-20  | 80.6       | 96.3     | 65.8     |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                             | 646.9      | 649.9    | 644.1    |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 113.1      | 111.4    | 114.8    |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                        | 182.7      | 167.1    | 197.3    |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                   | 417.5      | 521.5    | 320.4    |
| BRONCHOSCOPY.....33.21-33.23   | 98.5       | 122.5    | 76.0     |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                | 821.3      | 1,022.4  | 633.5    |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5   | 118.6      | 172.7    | 68.0     |
| DIRECT HEART REVASCULARIZATION.....36.1  | 82.4       | 129.3    | 38.5     |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 218.8      | 290.4    | 151.8    |
| PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8              | 81.5       | 84.3     | 78.9     |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                           | 157.3      | 161.0    | 153.9    |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                     | 2,517.0    | 2,233.9  | 2,781.5  |
| ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13                  | 106.0      | 95.2     | 116.1    |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8           | 106.9      | 102.0    | 111.4    |
| ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24                         | 260.1      | 211.2    | 305.8    |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                      | 121.4      | 131.5    | 112.0    |
| HEMORRHOIDECTOMY.....49.43-49.46   | 57.8       | 67.5     | 48.8     |
| CHOLECYSTECTOMY.....51.2   | 209.6      | 131.0    | 283.0    |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 219.5      | 406.7    | 44.6     |
| OTHER HERNIA REPAIR.....53.2-53.9  | 87.9       | 67.0     | 107.5    |
| LAPAROSCOPY.....54.21  | 114.1      | *        | 218.0    |
| DIVISION OF PERITONEAL ADHESIONS.....54.5  | 128.2      | 33.5     | 216.6    |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                       | 806.0      | 979.1    | 644.4    |
| ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22             | 344.2      | 474.1    | 223.0    |
| DILATION OF URETHRA.....58.6   | 70.4       | 71.6     | 69.2     |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                  | 363.8      | 753.4    | ...      |
| PROSTATECTOMY.....60.2-60.6  | 153.6      | 318.1    | ...      |
| CIRCUMCISION.....64.0  | 39.3       | 81.5     | ...      |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                | 1,666.9    | ...      | 3,223.6  |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                             | 220.5      | ...      | 426.4    |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3              | 244.4      | ...      | 472.7    |
| HYSTERECTOMY.....68.3-68.7   | 289.4      | ...      | 559.7    |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                       | 41.0       | ...      | 79.3     |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02            | 121.0      | ...      | 234.0    |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                            | 272.1      | ...      | 526.3    |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                       | 64.5       | ...      | 124.8    |
| OBSTETRICAL PROCEDURES.....72-75   | 1,685.1    | ...      | 3,258.7  |
| EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71         | 158.7      | ...      | 307.0    |
| EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6                        | 677.8      | ...      | 1,310.8  |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99  | 347.6      | ...      | 672.3    |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                             | 206.3      | ...      | 399.0    |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                               | 1,619.5    | 1,628.3  | 1,611.4  |
| OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6 | 182.1      | 194.1    | 170.8    |
| OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4     | 101.9      | 124.3    | 80.9     |
| ARTHROSCOPY.....80.2   | 111.8      | 145.9    | 80.0     |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0   | 111.1      | 126.7    | 96.5     |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                 | 63.4       | 86.5     | 41.7     |
| ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47                             | 63.2       | 70.0     | 56.9     |
| ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6                                | 68.4       | 45.8     | 89.6     |
| OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9          | 173.5      | 193.4    | 155.0    |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                 | 788.0      | 631.6    | 934.0    |
| EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23    | 48.8       | *5.5     | 89.2     |
| MASTECTOMY.....85.4  | 50.0       | *5.4     | 91.7     |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                    | 2,708.7    | 2,742.8  | 2,676.9  |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38    | 374.8      | 384.2    | 366.1    |
| CONTRAST MYELOGRAM.....87.21   | 173.8      | 205.3    | 144.3    |
| PYELOGRAM.....87.73-87.75  | 195.0      | 223.4    | 168.6    |
| ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5        | 355.2      | 455.0    | 263.9    |
| DIAGNOSTIC ULTRASOUND.....88.7   | 299.0      | 235.0    | 358.8    |
| RADIOISOTOPE SCAN.....92.0-92.1  | 295.0      | 284.0    | 305.2    |

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

TABLE 19. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND RACE: UNITED STATES, 1983

(DISCHARGES FROM NONFEDERAL 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 RACES | WHITE  | ALL OTHER | NOT STATED | NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS |  |  |  |
|--|-----------|--------|-----------|------------|--|--|--|--|
|  |           |        |           |            |  |  |  |  |
| ALL PROCEDURES.....  | 35,939    | 28,179 | 4,564     | 3,196      |  |  |  |  |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                       | 923       | 713    | 122       | 88         |  |  |  |  |
| SPINAL TAP.....03.31   | 275       | 204    | 55        | 17         |  |  |  |  |
| OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9               | 236       | 188    | 23        | 24         |  |  |  |  |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                     | 105       | 82     | 15        | *7         |  |  |  |  |
| OPERATIONS ON THE EYE.....08-16  | 1,558     | 1,273  | 103       | 183        |  |  |  |  |
| EXTRACTION OF LENS.....13.1-13.6   | 630       | 510    | 40        | 80         |  |  |  |  |
| INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7                             | 516       | 426    | 25        | 65         |  |  |  |  |
| OPERATIONS ON THE EAR.....18-20  | 372       | 300    | 30        | 43         |  |  |  |  |
| MYRINGOTOMY.....20.0   | 187       | 157    | 11        | 19         |  |  |  |  |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                             | 1,503     | 1,218  | 119       | 165        |  |  |  |  |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 263       | 221    | 13        | 29         |  |  |  |  |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                        | 424       | 335    | 35        | 55         |  |  |  |  |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                   | 970       | 768    | 129       | 73         |  |  |  |  |
| BRONCHOSCOPY.....33.21-33.23   | 229       | 192    | 23        | 14         |  |  |  |  |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                | 1,908     | 1,538  | 205       | 165        |  |  |  |  |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5   | 275       | 234    | 18        | 23         |  |  |  |  |
| DIRECT HEART REVASCLARIZATION.....36.1   | 191       | 166    | *8        | 17         |  |  |  |  |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 508       | 423    | 43        | 42         |  |  |  |  |
| PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8              | 189       | 157    | 17        | 15         |  |  |  |  |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                           | 365       | 295    | 44        | 26         |  |  |  |  |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                     | 5,847     | 4,669  | 743       | 435        |  |  |  |  |
| ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13                  | 246       | 195    | 32        | 19         |  |  |  |  |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8           | 248       | 203    | 25        | 21         |  |  |  |  |
| ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24                         | 604       | 503    | 69        | 32         |  |  |  |  |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                      | 282       | 227    | 32        | 23         |  |  |  |  |
| HEMORRHOIDECTOMY.....49.43-49.46   | 134       | 106    | 15        | 13         |  |  |  |  |
| CHOLECYSTECTOMY.....51.2   | 487       | 405    | 48        | 34         |  |  |  |  |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 510       | 408    | 56        | 46         |  |  |  |  |
| OTHER HERNIA REPAIR.....53.2-53.9  | 204       | 157    | 26        | 21         |  |  |  |  |
| LAPAROSCOPY.....54.21  | 265       | 191    | 51        | 23         |  |  |  |  |
| DIVISION OF PERITONEAL ADHESIONS.....54.5  | 298       | 228    | 51        | 19         |  |  |  |  |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                       | 1,872     | 1,540  | 192       | 140        |  |  |  |  |
| ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22             | 800       | 667    | 82        | 51         |  |  |  |  |
| DILATION OF URETHRA.....58.6   | 163       | 133    | 23        | *8         |  |  |  |  |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                  | 845       | 665    | 101       | 79         |  |  |  |  |
| PROSTATECTOMY.....60.2-60.6  | 357       | 286    | 33        | 38         |  |  |  |  |
| CIRCUMCISION.....64.0  | 91        | 60     | 25        | *6         |  |  |  |  |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                | 3,872     | 2,863  | 691       | 318        |  |  |  |  |
| DOPHORECTOMY AND SALPINGO-DOPHORECTOMY.....65.3-65.6                             | 512       | 402    | 69        | 42         |  |  |  |  |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3              | 568       | 383    | 132       | 53         |  |  |  |  |
| HYSTERECTOMY.....68.3-68.7   | 672       | 525    | 86        | 61         |  |  |  |  |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                       | 95        | 37     | 53        | *5         |  |  |  |  |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02            | 281       | 203    | 57        | 22         |  |  |  |  |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                            | 632       | 472    | 116       | 44         |  |  |  |  |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                       | 150       | 129    | *7        | 14         |  |  |  |  |
| OBSTETRICAL PROCEDURES.....72-75   | 3,914     | 2,812  | 639       | 463        |  |  |  |  |
| EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71         | 369       | 274    | 44        | 50         |  |  |  |  |
| EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6                        | 1,574     | 1,157  | 217       | 200        |  |  |  |  |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99  | 808       | 575    | 152       | 81         |  |  |  |  |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                             | 479       | 337    | 90        | 52         |  |  |  |  |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                               | 3,762     | 2,962  | 414       | 386        |  |  |  |  |
| OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6 | 423       | 338    | 40        | 45         |  |  |  |  |
| OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4     | 237       | 193    | 21        | 22         |  |  |  |  |
| ARTHROSCOPY.....80.2   | 260       | 206    | 20        | 33         |  |  |  |  |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0   | 258       | 205    | 20        | 33         |  |  |  |  |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                 | 147       | 119    | 11        | 17         |  |  |  |  |
| ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47                             | 147       | 115    | 11        | 21         |  |  |  |  |
| ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6                                | 159       | 133    | *9        | 16         |  |  |  |  |
| OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9          | 403       | 311    | 55        | 37         |  |  |  |  |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                 | 1,830     | 1,452  | 219       | 159        |  |  |  |  |
| EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23    | 113       | 89     | 13        | 11         |  |  |  |  |
| MASTECTOMY.....85.4  | 116       | 98     | *9        | *9         |  |  |  |  |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                    | 6,292     | 5,031  | 796       | 465        |  |  |  |  |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38    | 871       | 685    | 126       | 60         |  |  |  |  |
| CONTRAST MYELOGRAM.....87.21   | 404       | 307    | 33        | 64         |  |  |  |  |
| PYELOGRAM.....87.73-87.75  | 453       | 373    | 53        | 28         |  |  |  |  |
| ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5        | 825       | 672    | 70        | 83         |  |  |  |  |
| DIAGNOSTIC ULTRASOUND.....88.7   | 695       | 526    | 123       | 46         |  |  |  |  |
| RADIOISOTOPE SCAN.....92.0-92.1  | 685       | 572    | 86        | 27         |  |  |  |  |

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, 1983

(DISCHARGES FROM NONFEDERAL 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   | UNITED STATES | NORTH-EAST | NORTH CENTRAL | SOUTH  | WEST  |
|--|---------------|------------|---------------|--------|-------|
| NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS                                     |               |            |               |        |       |
| ALL PROCEDURES.....  | 35,939        | 7,549      | 10,196        | 11,668 | 6,526 |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                       | 923           | 161        | 265           | 308    | 189   |
| SPINAL TAP.....03.31   | 275           | 66         | 75            | 89     | 46    |
| OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9               | 236           | 39         | 62            | 73     | 61    |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                     | 105           | 24         | 28            | 34     | 18    |
| OPERATIONS ON THE EYE.....08-16  | 1,558         | 280        | 493           | 457    | 328   |
| EXTRACTION OF LENS.....13.1-13.6   | 630           | 117        | 197           | 178    | 138   |
| INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7                             | 516           | 90         | 157           | 156    | 114   |
| OPERATIONS ON THE EAR.....18-20  | 372           | 74         | 134           | 110    | 54    |
| MYRINGOTOMY.....20.0   | 187           | 45         | 59            | 59     | 24    |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                             | 1,503         | 306        | 552           | 432    | 212   |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 263           | 46         | 116           | 63     | 38    |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                        | 424           | 62         | 143           | 150    | 69    |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                   | 970           | 210        | 281           | 305    | 174   |
| BRONCHOSCOPY.....33.21-33.23   | 229           | 45         | 71            | 77     | 35    |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                | 1,908         | 307        | 558           | 640    | 402   |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5   | 275           | 37         | 81            | 100    | 57    |
| DIRECT HEART REVASCULARIZATION.....36.1  | 191           | 27         | 62            | 61     | 41    |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 508           | 66         | 156           | 193    | 93    |
| PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8              | 189           | 39         | 48            | 65     | 38    |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                           | 365           | 82         | 116           | 104    | 63    |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                     | 5,847         | 1,229      | 1,541         | 2,111  | 965   |
| ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13                  | 246           | 60         | 79            | 76     | 31    |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8           | 248           | 62         | 66            | 72     | 48    |
| ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24                         | 604           | 157        | 138           | 239    | 70    |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                      | 282           | 57         | 71            | 97     | 57    |
| HEMORRHOIDECTOMY.....49.43-49.46   | 134           | 26         | 34            | 52     | 22    |
| CHOLECYSTECTOMY.....51.2   | 487           | 90         | 143           | 178    | 77    |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 510           | 127        | 131           | 159    | 93    |
| OTHER HERNIA REPAIR.....53.2-53.9  | 204           | 37         | 57            | 68     | 42    |
| LAPAROSCOPY.....54.21  | 265           | 58         | 72            | 94     | 41    |
| DIVISION OF PERITONEAL ADHESIONS.....54.5  | 298           | 58         | 72            | 118    | 49    |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                       | 1,872         | 403        | 513           | 701    | 255   |
| ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22             | 800           | 199        | 224           | 303    | 74    |
| DILATION OF URETHRA.....58.6   | 163           | 30         | 47            | 77     | *9    |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                  | 845           | 194        | 232           | 297    | 122   |
| PROSTATECTOMY.....60.2-60.6  | 357           | 82         | 105           | 107    | 63    |
| CIRCUMCISION.....64.0  | 91            | 23         | 13            | 49     | *7    |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                | 3,872         | 917        | 853           | 1,500  | 602   |
| DOPHORECTOMY AND SALPINGO-DOPHORECTOMY.....65.3-65.6                             | 512           | 93         | 124           | 203    | 93    |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3              | 568           | 100        | 105           | 278    | 85    |
| HYSTERECTOMY.....68.3-68.7   | 672           | 113        | 162           | 273    | 125   |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                       | 95            | 66         | *7            | 15     | *7    |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02            | 281           | 72         | 67            | 107    | 35    |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                            | 632           | 222        | 134           | 212    | 64    |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                       | 150           | 20         | 35            | 61     | 34    |
| OBSTETRICAL PROCEDURES.....72-75   | 3,914         | 710        | 1,081         | 1,381  | 742   |
| EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71         | 369           | 60         | 81            | 180    | 48    |
| EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6                        | 1,574         | 293        | 446           | 500    | 336   |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99  | 808           | 159        | 192           | 306    | 151   |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                             | 479           | 72         | 124           | 184    | 99    |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                               | 3,762         | 597        | 1,142         | 1,099  | 923   |
| OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6 | 423           | 81         | 109           | 131    | 102   |
| OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4     | 237           | 48         | 66            | 80     | 43    |
| ARTHROSCOPY.....80.2   | 260           | 54         | 80            | 55     | 71    |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0   | 258           | 27         | 80            | 91     | 60    |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                 | 147           | 27         | 44            | 38     | 39    |
| ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47                             | 147           | 20         | 53            | 36     | 37    |
| ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6                                | 159           | 27         | 53            | 42     | 37    |
| OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9          | 403           | 61         | 123           | 136    | 83    |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                 | 1,830         | 374        | 547           | 622    | 287   |
| EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23    | 113           | 31         | 29            | 44     | *9    |
| MASTECTOMY.....85.4  | 116           | 28         | 34            | 35     | 19    |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                    | 6,292         | 1,679      | 1,858         | 1,566  | 1,189 |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38    | 871           | 302        | 191           | 198    | 179   |
| CONTRAST MYELOGRAM.....87.21   | 404           | 55         | 113           | 130    | 106   |
| PYELOGRAM.....87.73-87.75  | 453           | 119        | 126           | 137    | 71    |
| ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5        | 825           | 114        | 276           | 258    | 177   |
| DIAGNOSTIC ULTRASOUND.....88.7   | 695           | 247        | 213           | 122    | 113   |
| RADIOISOTOPE SCAN.....92.0-92.1  | 685           | 271        | 187           | 105    | 122   |

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, 1983

(DISCHARGES FROM NONFEDERAL 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   | UNITED STATES | NORTH-EAST | NORTH CENTRAL | SOUTH    | WEST     |
|--|---------------|------------|---------------|----------|----------|
| RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION                             |               |            |               |          |          |
| ALL PROCEDURES.....  | 15,471.8      | 15,279.1   | 17,337.5      | 14,835.4 | 14,367.9 |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                       | 397.5         | 326.7      | 451.1         | 391.3    | 415.7    |
| SPINAL TAP.....03.31   | 118.5         | 132.7      | 127.4         | 112.7    | 101.5    |
| OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9               | 101.6         | 79.4       | 106.0         | 93.3     | 134.2    |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                     | 45.1          | 49.4       | 48.2          | 42.9     | 40.1     |
| OPERATIONS ON THE EYE.....08-16  | 670.9         | 566.9      | 839.1         | 580.6    | 722.6    |
| EXTRACTION OF LENS.....13.1-13.6   | 271.1         | 236.6      | 335.2         | 225.8    | 303.9    |
| INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7                             | 222.3         | 181.9      | 266.9         | 198.0    | 250.7    |
| OPERATIONS ON THE EAR.....18-20  | 160.2         | 150.3      | 228.6         | 139.3    | 118.7    |
| MYRINGOTOMY.....20.0   | 80.6          | 90.9       | 100.3         | 74.8     | 53.8     |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                             | 646.9         | 620.0      | 938.4         | 549.2    | 467.8    |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 113.1         | 92.7       | 197.0         | 80.6     | 83.2     |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                        | 182.7         | 125.6      | 243.8         | 191.1    | 151.4    |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                   | 417.5         | 424.2      | 477.7         | 387.7    | 383.9    |
| BRONCHOSCOPY.....33.21-33.23   | 98.5          | 91.2       | 121.6         | 97.9     | 77.4     |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                | 821.3         | 620.9      | 949.7         | 814.2    | 885.2    |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5   | 118.6         | 74.2       | 138.2         | 127.3    | 126.5    |
| DIRECT HEART REVASCULARIZATION.....36.1  | 82.4          | 54.1       | 105.3         | 78.0     | 90.9     |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 218.8         | 133.9      | 264.8         | 246.0    | 204.3    |
| PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8              | 81.5          | 78.4       | 81.2          | 83.0     | 82.7     |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                           | 157.3         | 166.5      | 197.9         | 131.9    | 138.8    |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                     | 2,517.0       | 2,487.8    | 2,620.2       | 2,684.6  | 2,125.2  |
| ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13                  | 106.0         | 121.2      | 133.7         | 97.2     | 68.7     |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8           | 106.9         | 126.2      | 111.7         | 91.5     | 106.3    |
| ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24                         | 260.1         | 317.3      | 234.9         | 303.9    | 154.8    |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                      | 121.4         | 116.3      | 120.9         | 122.9    | 125.2    |
| HEMORRHOIDECTOMY.....49.43-49.46   | 57.8          | 52.3       | 58.3          | 66.7     | 47.7     |
| CHOLECYSTECTOMY.....51.2   | 209.6         | 181.9      | 242.6         | 225.9    | 168.8    |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 219.5         | 256.2      | 222.6         | 202.4    | 204.9    |
| OTHER HERNIA REPAIR.....53.2-53.9  | 87.9          | 74.8       | 97.0          | 86.4     | 93.1     |
| LAPAROSCOPY.....54.21  | 114.1         | 117.7      | 122.6         | 119.7    | 89.2     |
| DIVISION OF PERITONEAL ADHESIONS.....54.5  | 128.2         | 118.1      | 122.7         | 150.2    | 108.0    |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                       | 806.0         | 815.2      | 871.8         | 891.8    | 562.4    |
| ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22             | 344.2         | 402.6      | 380.3         | 385.9    | 162.1    |
| DILATION OF URETHRA.....58.6   | 70.4          | 61.6       | 80.0          | 97.9     | *19.7    |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                  | 363.8         | 393.4      | 394.0         | 378.0    | 267.9    |
| PROSTATECTOMY.....60.2-60.6  | 153.6         | 165.9      | 178.7         | 135.5    | 139.1    |
| CIRCUMCISION.....64.0  | 39.3          | 46.4       | 21.5          | 62.5     | *14.7    |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                | 1,666.9       | 1,856.1    | 1,450.7       | 1,907.7  | 1,324.2  |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                             | 220.5         | 187.3      | 211.4         | 257.6    | 204.0    |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3              | 244.4         | 201.5      | 178.6         | 354.0    | 186.7    |
| HYSTERECTOMY.....68.3-68.7   | 289.4         | 227.8      | 275.2         | 347.6    | 274.1    |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                       | 41.0          | 133.6      | *12.2         | 19.4     | *14.8    |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02            | 121.0         | 145.9      | 113.7         | 136.5    | 76.8     |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                            | 272.1         | 448.9      | 228.2         | 269.5    | 141.4    |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                       | 64.5          | 41.1       | 59.7          | 77.5     | 73.9     |
| OBSTETRICAL PROCEDURES.....72-75   | 1,685.1       | 1,437.4    | 1,838.2       | 1,755.7  | 1,634.0  |
| EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71         | 158.7         | 120.5      | 138.5         | 228.5    | 105.7    |
| EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6                        | 677.8         | 593.0      | 757.9         | 635.9    | 739.0    |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99  | 347.6         | 321.6      | 326.7         | 388.7    | 331.9    |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                             | 206.3         | 146.4      | 210.7         | 234.3    | 217.3    |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                               | 1,619.5       | 1,208.6    | 1,941.7       | 1,397.9  | 2,033.0  |
| OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6 | 182.1         | 163.6      | 185.6         | 167.1    | 223.6    |
| OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4     | 101.9         | 97.6       | 112.0         | 101.5    | 94.2     |
| ARTHROSCOPY.....80.2   | 111.8         | 110.2      | 135.3         | 69.4     | 156.5    |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0   | 111.1         | 54.5       | 135.6         | 115.8    | 132.9    |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                 | 63.4          | 54.8       | 74.2          | 48.1     | 85.1     |
| ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47                             | 63.2          | 41.2       | 90.6          | 45.8     | 82.2     |
| ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6                                | 68.4          | 54.1       | 90.6          | 53.6     | 81.0     |
| OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9          | 173.5         | 123.3      | 209.3         | 172.9    | 183.0    |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                 | 788.0         | 757.3      | 929.9         | 791.5    | 631.6    |
| EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23    | 48.8          | 63.0       | 49.9          | 56.2     | 181.9    |
| MASTECTOMY.....85.4  | 50.0          | 57.2       | 58.3          | 44.2     | 41.6     |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                    | 2,708.7       | 3,398.2    | 3,160.2       | 1,991.1  | 2,616.9  |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38    | 374.8         | 612.2      | 324.8         | 252.3    | 393.5    |
| CONTRAST MYELOGRAM.....87.21   | 173.8         | 110.5      | 192.2         | 165.8    | 232.5    |
| PYELOGRAM.....87.73-87.75  | 195.0         | 240.8      | 214.9         | 174.4    | 155.3    |
| ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5        | 355.2         | 231.3      | 468.6         | 328.7    | 389.3    |
| DIAGNOSTIC ULTRASOUND.....88.7   | 299.0         | 500.1      | 361.5         | 154.9    | 249.0    |
| RADIOISOTOPE SCAN.....92.0-92.1  | 295.0         | 548.5      | 318.3         | 133.9    | 267.9    |

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, 1983

(DISCHARGES FROM NONFEDERAL 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   | NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS |           |              |              |              |                  |
|--|--|-----------|--------------|--------------|--------------|------------------|
|  | ALL SIZES                                    | 6-99 BEDS | 100-199 BEDS | 200-299 BEDS | 300-499 BEDS | 500 BEDS OR MORE |
| ALL PROCEDURES.....  | 35,939                                       | 3,609     | 6,540        | 5,771        | 9,864        | 10,156           |
| OPERATIONS ON THE NERVOUS SYSTEM.....01-05                                       | 923  | 64        | 156          | 142          | 242          | 320              |
| SPINAL TAP.....03.31   | 275  | 12        | 57           | 32           | 67           | 107              |
| OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9               | 236  | 35        | 45           | 32           | 64           | 61               |
| OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07                                     | 105  | *5        | 12           | 17           | 32           | 38               |
| OPERATIONS ON THE EYE.....08-16  | 1,598  | 137       | 318          | 241          | 467          | 355              |
| EXTRACTION OF LENS.....13.1-13.6   | 630  | 50        | 142          | 103          | 195          | 141              |
| INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7                             | 516  | 41        | 123          | 84           | 159          | 109              |
| OPERATIONS ON THE EAR.....18-20  | 372  | 21        | 68           | 76           | 111          | 56               |
| MYRINGOTOMY.....20.0   | 137  | 11        | 40           | 41           | 56           | 39               |
| OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29                             | 1,503  | 205       | 275          | 275          | 404          | 344              |
| RHINOPLASTY AND REPAIR OF NOSE.....21.8  | 263  | 56        | 39           | 47           | 65           | 55               |
| TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3                        | 424  | 58        | 94           | 82           | 113          | 78               |
| OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34                                   | 970  | 43        | 159          | 148          | 281          | 339              |
| BRONCHOSCOPY.....33.21-33.23   | 229  | 11        | 38           | 35           | 67           | 77               |
| OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39                                | 1,908  | 49        | 185          | 271          | 624          | 778              |
| OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5   | 275  | -         | 16           | 22           | 89           | 150              |
| DIRECT HEART REVASCULARIZATION.....36.1  | 191  | -         | *9           | 13           | 65           | 104              |
| CARDIAC CATHETERIZATION.....37.21-37.23  | 508  | *         | 33           | 64           | 166          | 244              |
| PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8              | 189  | *8        | 34           | 32           | 59           | 57               |
| OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41                           | 365  | 26        | 56           | 58           | 95           | 129              |
| OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54                                     | 5,847  | 715       | 1,130        | 1,037        | 1,538        | 1,426            |
| ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13                  | 246  | 16        | 44           | 58           | 68           | 60               |
| PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8           | 248  | 28        | 45           | 37           | 72           | 66               |
| ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24                         | 604  | 77        | 107          | 128          | 158          | 135              |
| APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0                                      | 282  | 55        | 62           | 44           | 76           | 46               |
| HEMORRHOIDECTOMY.....49.43-49.46   | 134  | 18        | 24           | 26           | 42           | 24               |
| CHOLECYSTECTOMY.....51.2   | 437  | 76        | 97           | 91           | 120          | 103              |
| REPAIR OF INGUINAL HERNIA.....53.0-53.1  | 510  | 69        | 98           | 87           | 148          | 108              |
| OTHER HERNIA REPAIR.....53.2-53.9  | 204  | 25        | 43           | 39           | 57           | 41               |
| LAPAROSCOPY.....54.21  | 265  | 24        | 60           | 36           | 64           | 80               |
| DIVISION OF PERITONEAL ADHESIONS.....54.5  | 298  | 26        | 70           | 47           | 73           | 82               |
| OPERATIONS ON THE URINARY SYSTEM.....55-59                                       | 1,872  | 177       | 376          | 328          | 554          | 437              |
| ENDOSCOPIES THROUGH NATURAL OPIFICE.....55.21-55.22,56.31,57.32,58.22            | 800  | 72        | 165          | 144          | 234          | 184              |
| DILATION OF URETHRA.....58.6   | 163  | 22        | 43           | 30           | 42           | 26               |
| OPERATIONS ON THE MALE GENITAL ORGANS.....60-64                                  | 845  | 93        | 172          | 139          | 238          | 203              |
| PROSTATECTOMY.....60.2-60.6  | 357  | 35        | 68           | 69           | 104          | 80               |
| CIRCUMCISION.....64.0  | 91   | 14        | 20           | 11           | 23           | 23               |
| OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71                                | 3,872  | 460       | 823          | 577          | 985          | 1,027            |
| OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6                             | 512  | 56        | 115          | 75           | 135          | 132              |
| BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3              | 568  | 108       | 126          | 83           | 122          | 128              |
| HYSTERECTOMY.....68.3-68.7   | 672  | 68        | 149          | 103          | 173          | 180              |
| CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51                       | 95   | *         | 16           | *7           | 17           | 52               |
| DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02            | 281  | 34        | 59           | 43           | 81           | 64               |
| DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09                            | 632  | 77        | 135          | 90           | 166          | 164              |
| REPAIR OF CYSTOCELE AND RECTOCELE.....70.5                                       | 150  | 18        | 33           | 28           | 37           | 34               |
| OBSTETRIC PROCEDURES.....72-75   | 3,914  | 443       | 715          | 497          | 1,097        | 1,162            |
| EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71         | 369  | 28        | 87           | 42           | 103          | 108              |
| EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6                        | 1,574  | 214       | 301          | 208          | 447          | 404              |
| CESAREAN SECTION.....74.0-74.2,74.4,74.99  | 808  | 78        | 151          | 110          | 233          | 236              |
| REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6                             | 479  | 68        | 87           | 58           | 127          | 139              |
| OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84                               | 3,762  | 542       | 749          | 615          | 978          | 878              |
| OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6 | 423  | 46        | 80           | 79           | 120          | 99               |
| OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4     | 237  | 33        | 52           | 49           | 62           | 41               |
| ARTHROSCOPY.....80.2   | 260  | 21        | 45           | 55           | 84           | 55               |
| EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0   | 298  | 17        | 37           | 43           | 74           | 87               |
| EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6                                 | 147  | 12        | 27           | 35           | 44           | 30               |
| ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47                             | 147  | 11        | 19           | 25           | 50           | 42               |
| ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6                                | 159  | 12        | 26           | 27           | 45           | 49               |
| OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9          | 403  | 49        | 87           | 61           | 113          | 93               |
| OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86                                 | 1,830  | 268       | 312          | 273          | 514          | 463              |
| EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23    | 113  | 10        | 21           | 22           | 30           | 30               |
| MASTECTOMY.....85.4  | 116  | 12        | 16           | 16           | 39           | 33               |
| MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99                    | 6,292  | 361       | 1,033        | 1,077        | 1,702        | 2,119            |
| COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38    | 871  | 15        | 144          | 175          | 226          | 310              |
| CONTRAST MYELOGRAM.....87.21   | 404  | 27        | 67           | 67           | 123          | 119              |
| PYELOGRAM.....87.73-87.75  | 453  | 40        | 90           | 85           | 130          | 108              |
| ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5        | 825  | *6        | 67           | 141          | 274          | 338              |
| DIAGNOSTIC ULTRASOUND.....88.7   | 695  | 33        | 117          | 100          | 181          | 264              |
| RADIOISOTOPE SCAN.....92.0-92.1  | 685  | 20        | 164          | 103          | 184          | 214              |

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

# Appendixes

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# Appendix I

## Technical notes on methods

### Statistical design of the National Hospital Discharge Survey

#### Scope of the survey

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

#### Sample size

The Master Facility Inventory of Hospitals (MFI) is the universe from which the NHDS sample is drawn. A detailed description of the development, contents, maintenance plans, and assessment of coverage was published in 1965.<sup>6</sup>

The original universe for the survey consisted of 6,965 short-stay hospitals contained in the 1963 Master Facility Inventory. This universe is updated periodically (table I). The distribution of the hospitals in the NHDS universe and sample for 1983 is given by bed size and geographic regions in table II.

The sample for 1983 consisted of 553 hospitals. Of these, 78 refused to participate, and 57 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 418 hospitals

NOTE: A list of references follows the text.

Table I. Number of hospitals in the National Hospital Discharge Survey (NHDS) universe and number of hospitals added to the NHDS universe, by year of addition and year of Master Facility Inventory (MFI) used: United States, 1963-1981

| MFI data year | NHDS universe |              |                |
|---------------|---------------|--------------|----------------|
|               | Year added    | Number added | Total universe |
| 1963          | 1965          | 6,965        | 6,965          |
| 1969          | 1969          | 442          | 7,407          |
| 1972          | 1975          | 223          | 7,630          |
| 1975          | 1977          | 273          | 7,903          |
| 1977          | 1979          | 114          | 8,017          |
| 1979          | 1981          | 63           | 8,080          |
| 1981          | 1983          | 50           | 8,130          |

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, 1983

| Bed size of hospital       | All regions | Northeast | North Central | South | West  |
|----------------------------|-------------|-----------|---------------|-------|-------|
| All sizes                  |             |           |               |       |       |
| Universe . . . . .         | 8,130       | 1,188     | 2,168         | 3,266 | 1,508 |
| Total sample . . .         | 553         | 132       | 155           | 183   | 83    |
| Number participating . . . | 418         | 105       | 118           | 133   | 62    |
| 6-49 beds                  |             |           |               |       |       |
| Universe . . . . .         | 3,542       | 223       | 903           | 1,680 | 735   |
| Total sample . . .         | 70          | 8         | 18            | 30    | 14    |
| Number participating . . . | 41          | 6         | 11            | 17    | 7     |
| 50-99 beds                 |             |           |               |       |       |
| Universe . . . . .         | 1,939       | 301       | 490           | 766   | 302   |
| Total sample . . .         | 82          | 14        | 20            | 34    | 14    |
| Number participating . . . | 60          | 10        | 15            | 25    | 10    |
| 100-199 beds               |             |           |               |       |       |
| Universe . . . . .         | 1,444       | 299       | 419           | 501   | 225   |
| Total sample . . .         | 125         | 26        | 34            | 46    | 19    |
| Number participating . . . | 96          | 22        | 28            | 30    | 16    |
| 200-299 beds               |             |           |               |       |       |
| Universe . . . . .         | 639         | 198       | 170           | 172   | 99    |
| Total sample . . .         | 101         | 31        | 28            | 26    | 16    |
| Number participating . . . | 80          | 26        | 23            | 19    | 12    |
| 300-499 beds               |             |           |               |       |       |
| Universe . . . . .         | 413         | 113       | 135           | 112   | 53    |
| Total sample . . .         | 99          | 25        | 33            | 29    | 12    |
| Number participating . . . | 77          | 20        | 23            | 25    | 9     |
| 500-999 beds               |             |           |               |       |       |
| Universe . . . . .         | 135         | 45        | 48            | 29    | 13    |
| Total sample . . .         | 58          | 19        | 19            | 13    | 7     |
| Number participating . . . | 47          | 13        | 15            | 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     |

participated in the survey during 1983 and provided approximately 206,000 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 distributed properly with regard to ownership and geographic division. Sample hospitals were drawn with probabilities ranging from certainty for the largest hospitals to 1 in 40 for the smallest hospitals.

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

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

### Data collection and processing

#### Data collection

Depending on the study procedure agreed on with the hospital administrator, the sample selection and the transcription of information from the hospital records to abstract forms were performed by either the hospital staff or representatives of the National Center for Health Statistics (NCHS) or by both. In about 50 percent of the hospitals that participated in the NHDS during the year, this work was performed by the medical records department of the hospital. In the remaining hospitals, the work was performed by personnel of the U.S. Bureau of the Census acting for NCHS.

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

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

#### Medical coding and edit

The medical information recorded on the sample patient abstracts was coded centrally by the NCHS staff. A maximum of seven diagnostic codes were assigned for each sample abstract; in addition, if the medical information included surgical or nonsurgical procedures, a maximum of four codes for these procedures were assigned. Following conversion of the data on the medical abstract to computer tape, a final medical edit was accomplished by computer inspection runs and a review of rejected abstracts. If the sex or age of the patient was incompatible with the recorded medical information, priority was given to the medical information in the editing decision.

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

The system currently used for coding the diagnoses and procedures on NHDS sample patient abstracts is the *International Classification of Diseases, 9th Revision, Clinical Modification*<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>7</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. These differences are discussed in a previous report.<sup>8</sup>

Some ICD-9-CM diagnostic codes cannot appear alone; they must appear with another diagnostic code. Specifically, the following codes cannot be first-listed: 320.7, 321.1-321.8, 323.0-323.4, 323.6-323.7, 330.2-330.3, 331.7, 334.4, 336.2-336.3, 337.1, 357.1-357.4, 358.1, 359.5-359.6,

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NOTE: A list of references follows the text.



362.01–362.02, 362.71–362.72, 364.11, 365.41–365.44, 366.41–366.44, 370.44, 372.15, 372.31–372.33, 373.4–373.6, 374.51, 376.13–376.22, 380.13, 380.15, 382.02, 420.0, 421.1, 422.0, 424.91, 425.7–425.8, 443.81, 456.20–456.21, 484.1–484.8, 516.1, 517.1–517.8, 567.0, 573.1–573.2, 580.81, 581.81, 582.81, 583.81, 590.81, 595.4, 598.01, 601.4, 604.91, 608.81, 616.11, 616.51, 628.1, 711.10–711.89, 712.10–712.39, 713.0–713.8, 720.81, 727.01, 730.70–730.89, 731.1, 731.8, 737.40–737.43, 774.0, 774.31, 774.5. In addition, all discharges with the diagnostic codes 640.0–643.9 and 645.0–676.9 with a fifth digit of 1 or 2 or 650 (indicating delivery) must have a code V27.0–V27.9 as a first-listed diagnosis. Conversely, every discharge with a first-listed diagnosis of V27.0–V27.9 also must have one of these delivery codes.

Prior to 1979, data on radiotherapy and physical medicine and rehabilitation (ICDA codes R1–R4) and some obstetrical procedures were not collected by means of 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, the procedures coding has followed the guidelines of the Uniform Hospital Discharge Data Set (UHDDS).<sup>9,10</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 usefulness to organizations and agencies requiring hospital information.

According to the UHDDS guidelines, all procedures are allocated into one of four classes. Classes 1–3 consist of procedures that carry an operative or anesthetic risk or require highly trained personnel, special facilities, or special equipment. Class 4 procedures do not meet these criteria. See appendix II for the procedure codes included in these classes.

Until 1983, the only Class 4 procedures coded in the NHDS were circumcision (ICD–9–CM code 64.0), episiotomy (code 73.6), and removal of intrauterine contraceptive device (code 97.71). The coding of additional Class 4 procedures, listed in appendix II, that are used in the assignment of diagnosis-related groupings (DRG's), was begun in mid-1983. DRG's, developed at the Yale School of Organization and Management, are being used by the Health Care Financing Administration, some States, and some third party payors to reimburse hospitals for inpatient care. A report has been published on the conversion of NHDS data to DRG's.<sup>11</sup>

## Presentation of estimates

### Grouping of diagnoses and procedures

In this report the diagnostic chapters, the broadest groupings of diseases and injuries shown, correspond to ICD–9–CM chapters 1–17 and the Supplementary classification of factors influencing health status and contact with health services. The

diagnostic categories, the most detailed groupings of diseases and injuries shown, are subsets of the major groups or chapters. The titles and the ordering of the categories in the tabular list developed for the NHDS follow the format of the ICD–9–CM tabular list as closely as possible.

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 about one-half 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.

During 1983, 8.9 percent of the records had no race identified in the hospital records.

If the dates of admission or discharge were not given and could not be obtained from the monthly sample listing sheet transmitted by the sample hospital, a length of stay was imputed by assigning the patient a length of stay characteristic of the stays of other patients of the same age. During 1983 only 0.13 percent of the records were missing the date of admission or discharge.

### Rounded numbers

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

### Population estimates

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

Although the civilian noninstitutionalized population was used prior to 1981, it has been determined that the civilian population is more appropriate to use for the NHDS as persons in institutions usually are hospitalized in short-stay hospitals. This is true especially for elderly residents of nursing homes. A comparison of NHDS rates based on the civilian population with the civilian noninstitutionalized population is available in another publication.<sup>12</sup>

NOTE: A list of references follows the text.

**Table III. Civilian population by selected characteristics: United States, July 1, 1983**

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

| <i>Age, geographic region, and race</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
|---|-------------------|-------------|---------------|
| Population in thousands                 |                   |             |               |
| All ages.....                           | 232,286           | 112,170     | 120,115       |
| Northeast.....                          | 49,407            | 23,549      | 25,857        |
| North Central.....                      | 58,808            | 28,520      | 30,288        |
| South.....                              | 78,647            | 37,819      | 40,828        |
| West.....                               | 45,424            | 22,282      | 23,142        |
| White.....                              | 198,199           | 96,089      | 102,111       |
| All other.....                          | 34,087            | 16,082      | 18,005        |
| 0-14 years.....                         | 51,588            | 26,385      | 25,203        |
| Under 1 year.....                       | 3,660             | 1,875       | 1,785         |
| 1-4 years.....                          | 14,166            | 7,246       | 6,920         |
| 5-14 years.....                         | 33,762            | 17,264      | 16,498        |
| Northeast.....                          | 9,917             | 5,071       | 4,845         |
| North Central.....                      | 13,255            | 6,787       | 6,469         |
| South.....                              | 17,952            | 9,175       | 8,777         |
| West.....                               | 10,464            | 5,351       | 5,112         |
| White.....                              | 42,016            | 21,548      | 20,468        |
| All other.....                          | 9,573             | 4,838       | 4,737         |
| 15-44 years.....                        | 108,792           | 53,638      | 55,153        |
| 15-24 years.....                        | 40,031            | 19,934      | 20,097        |
| 25-34 years.....                        | 39,574            | 19,470      | 20,104        |
| 35-44 years.....                        | 29,187            | 14,234      | 14,952        |
| Northeast.....                          | 22,853            | 11,179      | 11,674        |
| North Central.....                      | 27,390            | 13,596      | 13,795        |
| South.....                              | 36,611            | 17,915      | 18,694        |
| West.....                               | 21,940            | 10,948      | 10,992        |
| White.....                              | 92,140            | 45,795      | 46,348        |
| All other.....                          | 16,652            | 7,845       | 8,806         |
| 45-64 years.....                        | 44,521            | 21,155      | 23,367        |
| 45-54 years.....                        | 22,303            | 10,778      | 11,526        |
| 55-64 years.....                        | 22,218            | 10,377      | 11,841        |
| Northeast.....                          | 10,236            | 4,813       | 5,423         |
| North Central.....                      | 11,077            | 5,308       | 5,769         |
| South.....                              | 14,912            | 7,015       | 7,897         |
| West.....                               | 8,296             | 4,018       | 4,278         |
| White.....                              | 39,272            | 18,813      | 20,459        |
| All other.....                          | 5,250             | 2,343       | 2,908         |
| 65 years and over.....                  | 27,384            | 10,992      | 16,392        |
| 65-74 years.....                        | 16,362            | 7,105       | 9,257         |
| 75 years and over.....                  | 11,021            | 3,887       | 7,135         |
| Northeast.....                          | 6,402             | 2,486       | 3,916         |
| North Central.....                      | 7,085             | 2,830       | 4,256         |
| South.....                              | 9,172             | 3,711       | 5,461         |
| West.....                               | 4,725             | 1,966       | 2,759         |
| White.....                              | 24,773            | 9,933       | 14,839        |
| All other.....                          | 2,612             | 1,058       | 1,555         |

## 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>13,14</sup>

### Measurement errors

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

The Institute of Medicine (IOM) has conducted three studies on the reliability of hospital abstract data collection; the most recent study was on the NHDS. The IOM NHDS study was performed by using data coded according to the ICDA; however, some of the findings are relevant to the 1981 NHDS data even though these data were coded according to the ICD-9-CM. Of special interest to this report is the finding that, in a number of cases, the first-listed diagnosis in the NHDS was not the principal diagnosis as determined by IOM after a study of the entire medical record. For example, when diagnoses at the ICDA class level were examined, the principal diagnosis from IOM matched the first-listed diagnosis from the NHDS in approximately 86 percent of the cases. Detailed accounts of this and other IOM findings have been published.<sup>15-17</sup>

### Sampling errors

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

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

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

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

NOTE: A list of references follows the text.



by hospital characteristics; and (2) estimates of all procedures performed by the specific procedure for the patient characteristics age, sex, and race and the hospital characteristics geographic region and bed size of hospital.

The relative standard errors applicable to patients discharged or first-listed diagnoses, all-listed diagnoses, 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, curves are shown for variables the relative standard errors of which are different from those in the curve for “All other variables,” which 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 for 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.

The presentation of estimates for the NHDS is based on the relative standard error of the estimate and the number of

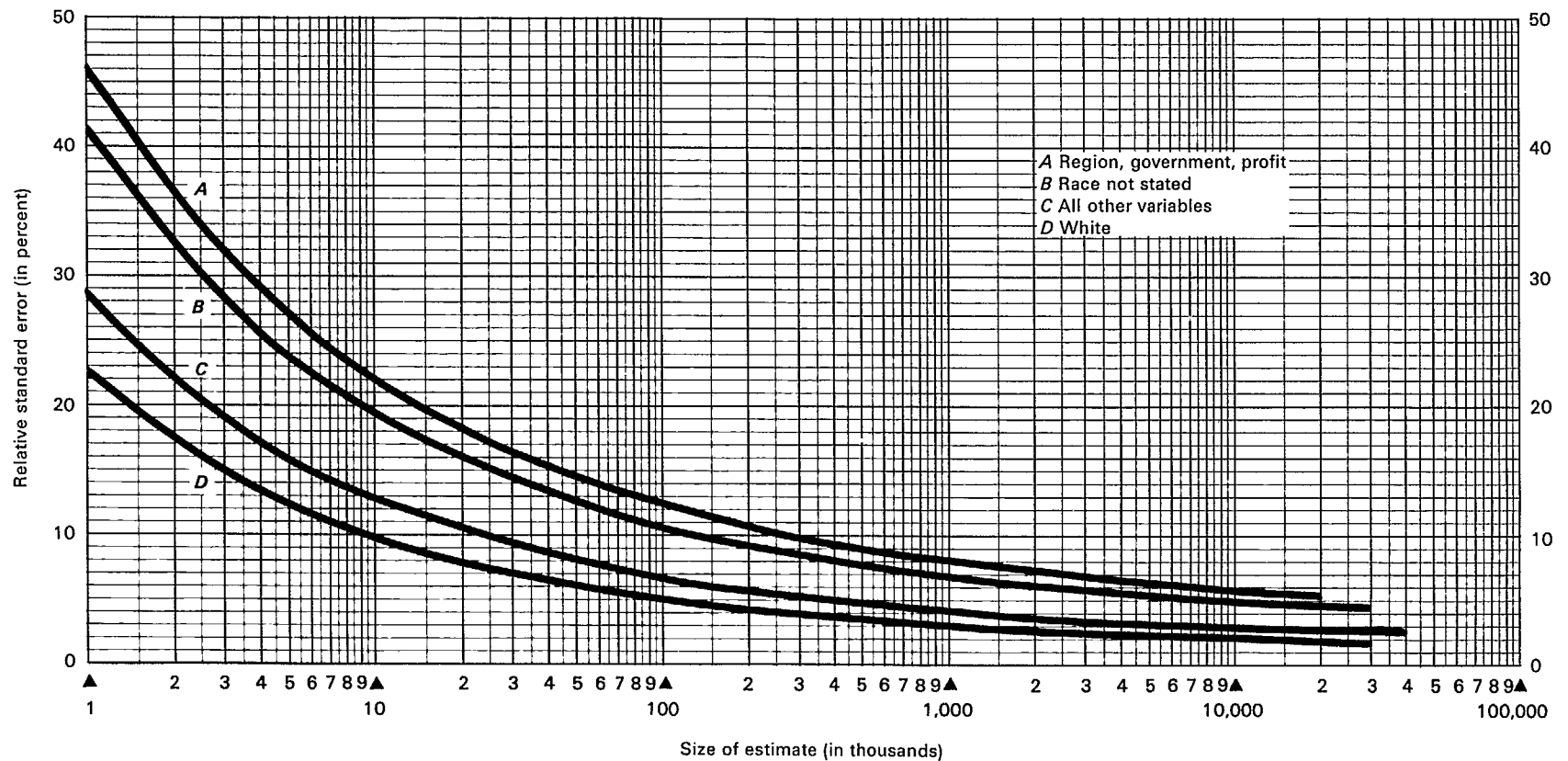
sample records on which the estimate is based (referred to as the sample size). Estimates are not presented unless a reasonable assumption regarding the probability distribution of the sampling error is possible. The Central Limit Theorem is used to determine the distribution of the sampling errors.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

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

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

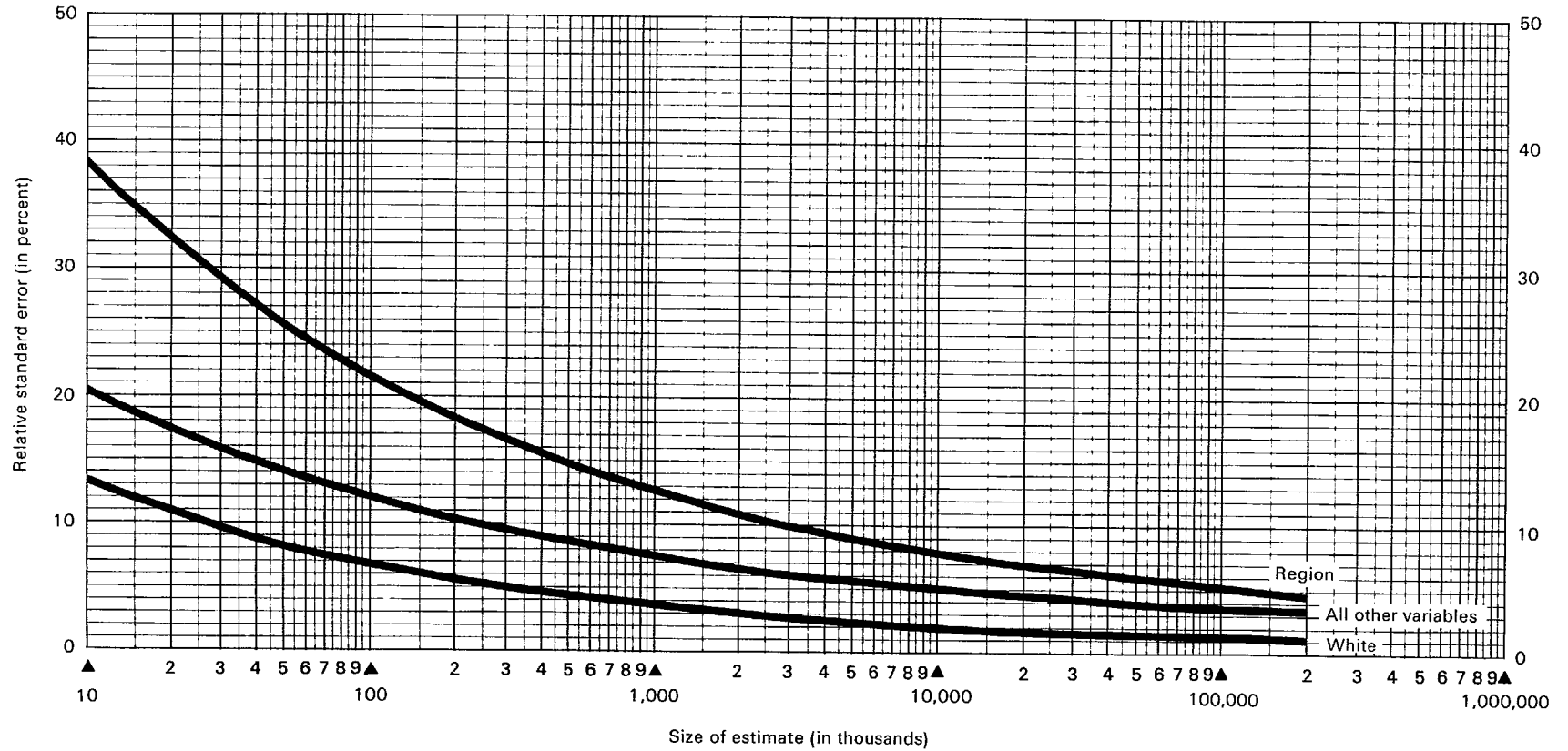
### Tests of significance

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



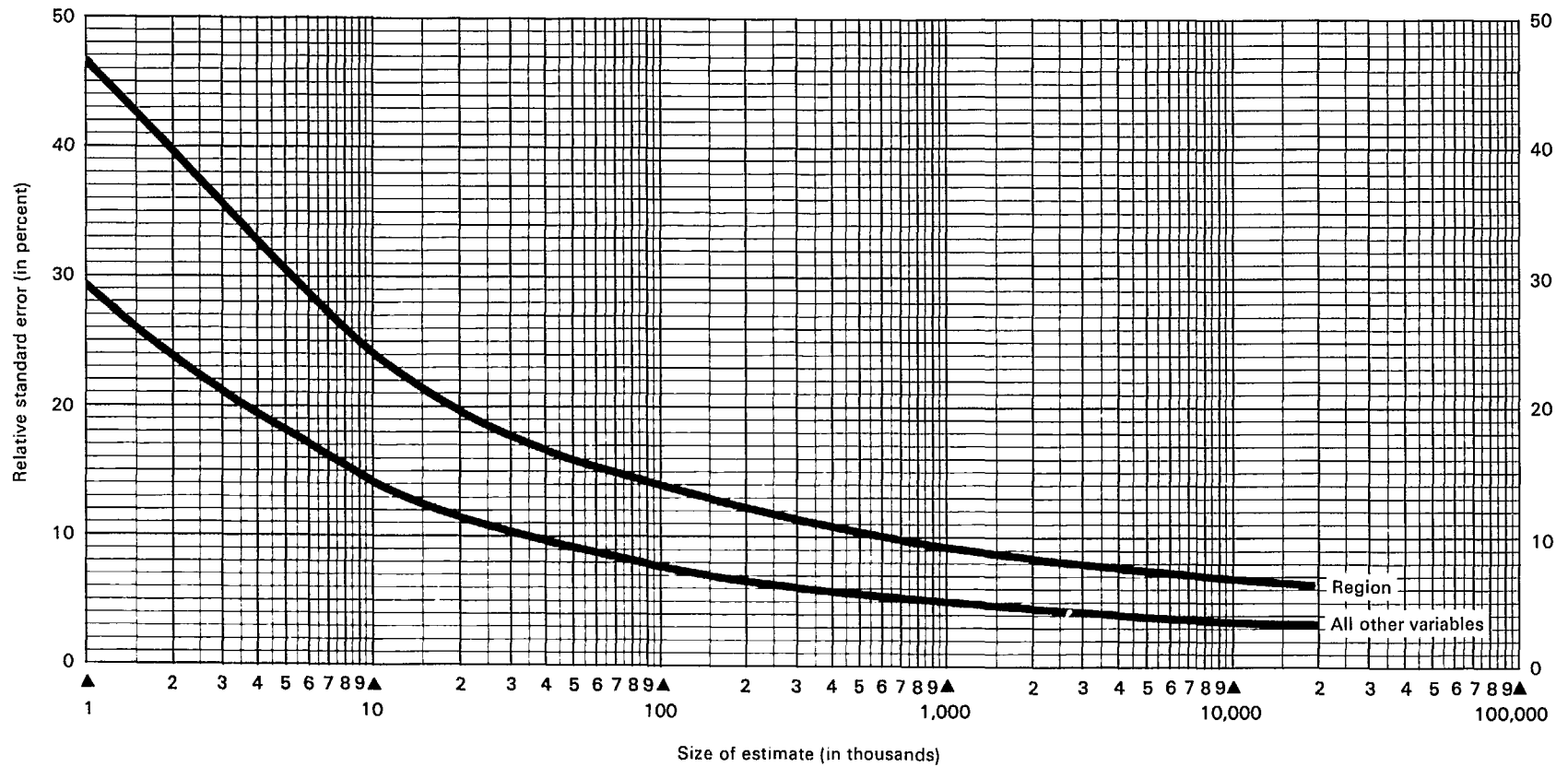
EXAMPLE: As shown in table 4, an estimated 1,867,000 patients 15-44 years of age were discharged from short-stay non-Federal hospitals with 100-499 beds in the Northeast Region. The relative standard error of this estimate as read from the curve "Region" is approximately 7.6 percent. Thus, the standard error is approximately 141,892 (7.6 percent of 1,867,000).

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



EXAMPLE: As shown in table 2, an estimated 9,420,000 days of care were provided during 1983 to male 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 5.2 percent. Thus, the standard error is approximately 489,840 (5.2 percent of 9,420,000).

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



EXAMPLE: As shown in table 18, an estimated 275,000 open heart surgeries were performed during 1983 for all patients discharged from short-stay hospitals. The relative standard error of this estimate as read from the curve "All other variables" is approximately 6.2 percent. The standard error is thus approximately 17,050 (6.2 percent of 275,000).

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

# Appendix II

## Definitions of terms

### 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 as 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.

*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 from the tables in this report except those in the newborn section of the report. The terms “patient” and “inpatient” are used synonymously.

*Newborn infant*—A newborn infant is defined as a patient admitted by birth to a hospital.

*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 population on July 1 of that year determines the discharge rate.

*Days of care*—The total number of patient days accumulated at time of discharge by patients discharged from short-

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

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

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

### Terms relating to diagnoses

*Discharge diagnoses*—One or more diseases or injuries (or some factor that influences health status and contact with health services that is not itself a current illness or injury) listed by the attending physician on the medical record of patients. In the NHDS all discharge (or final) diagnoses listed on the face sheet (summary sheet) of the medical record for patients discharged from the inpatient service of short-stay hospitals are transcribed in the order listed. Each sample discharge is assigned a maximum of seven 5-digit codes according to ICD-9-CM. The number of principal or first-listed diagnoses is equivalent to the number of discharges.

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

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

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

*Obstetrical diagnosis*—A diagnosis relating to conditions arising from or affecting the management of pregnancy, childbirth, and the puerperium (the period following childbirth). These are code numbers 640–676 of the *International Classi-*

fication of Diseases, 9th Revision, Clinical Modification (ICD-9-CM).<sup>2</sup>

**Normal delivery**—Delivery without abnormality or complication of pregnancy, childbirth, or the puerperium, and with spontaneous cephalic delivery (that is, presentation of the child headfirst and delivery of the child without external aid). No mention of fetal manipulation or instrumentation is made. ICD-9-CM code 650 is assigned.

**Complicated delivery**—All deliveries not considered normal, including deliveries of multiple gestation. ICD-9-CM code numbers 640-648 and 651-676 are assigned.

## 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, diagnostic 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 of the medical record under captions such as “operation,” “operative procedures,” “operations and/or special treatments” 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 most 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 do not meet these criteria.

**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**—From 1979 through the middle of 1983 only three Class 4 procedures were coded for the NHDS: circumcision (ICD-9-CM code 64.0), episiotomy (code 73.6), and removal of intrauterine contraceptive device (code 97.71). The ICD-9-CM codes for the Class 4 procedures coded during the last half of 1983 are as follows:

01.18-01.19, 03.39, 04.19, 05.19, 06.19, 07.19, 08.91-08.93, 09.19, 09.41-09.49, 10.29, 11.29, 12.29, 14.19, 15.09, 16.29, 20.39, 28.19, 33.28-33.29, 34.28-34.29, 38.29, 40.19, 50.19, 51.19, 52.19, 54.29, 55.29, 56.39, 57.39, 59.29, 60.18, 62.19, 63.09, 64.0, 65.19, 66.19, 67.19, 68.19, 70.29, 71.19, 73.6, 76.19, 78.8, 81.98, 83.29, 97.71.

The following ICD-9-CM procedure codes identify Class 4 procedures not coded by the NHDS:

08.19, 16.21, 18.01, 18.11, 18.19, 21.21, 21.29, 22.19, 24.19, 25.09, 25.91, 26.19, 27.29, 27.91, 29.19, 31.48-31.49, 37.29, 41.38-41.39, 42.29, 44.19, 45.19, 45.28-45.29, 48.23, 48.29, 49.21, 49.29, 49.41, 58.29, 61.19, 64.19, 64.91, 64.94, 69.92, 70.21, 73.91-73.92, 75.35, 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, 97.14-97.69, 97.72-97.89, 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 ICD-9-CM biopsy codes are as follows:

0.11-0.15, 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,

NOTE: A list of references follows the text.

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 population on July 1 of that year determines the rate of procedures.

## Demographic terms

*Population*—Civilian population is the resident population excluding members of the Armed Forces. Civilian noninstitu-

tionalized population is the civilian population not residing in institutions.

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

*Race*—Patients are classified into two groups: “white” and “all other.” The all other classification includes all categories other than white. Mexican and Puerto Rican are included in the white category unless specifically identified as all other. In addition, 9.3 percent of the patients had no race stated on the face sheet of the record.

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

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

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