



# **Utilization of Short-Stay Hospitals: Annual Summary for the United States, 1980**

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

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# Preface

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

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

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### Symbols

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

by Barbara J. Haupt, Division of Health Care Statistics

## Introduction

This report provides national estimates on the utilization of non-Federal short-stay hospitals during 1980. Data are summarized for selected demographic characteristics of the patients discharged, characteristics of the hospitals where the patients were treated, conditions diagnosed, and surgical and nonsurgical procedures performed.

The statistics in this report are based on data collected through the National Hospital Discharge Survey, a continuous survey that has been conducted by the National Center for Health Statistics since 1965. The data for the survey are obtained from the face sheets of a sample of the medical records of inpatients discharged from a national sample of short-stay general and specialty hospitals in the United States. The sample for 1980 included approximately 224,000 medical records from 420 hospitals that participated in the survey. A description of the survey design, data collection procedures, and the estimation process is found in appendix I. A detailed report on the design of the National Hospital Discharge Survey has already been published.<sup>1</sup>

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

Coding of medical data for patients hospitalized is performed according to the *International Classification of Diseases, 9th Revision, Clinical Modification*<sup>2</sup>

(ICD-9-CM). Earlier data for 1970-78 were coded according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*<sup>3</sup> (ICDA). Differences between these two systems are discussed in appendix I under the section entitled "Medical coding and edit." A maximum of seven diagnoses and four procedures are coded for each medical record in the sample. Although diagnoses included in the ICD-9-CM section entitled "Supplementary classification of external causes of injury and poisoning" (codes E800-E999) are used by the National Hospital Discharge Survey, these diagnoses are excluded from this report. The conditions diagnosed and procedures performed are presented here by the major diagnostic classes and procedure groups of the ICD-9-CM. Within these classes and groups, some categories of diagnoses and procedures are also 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 National Hospital Discharge Survey is important for interpreting the data and for making comparisons with statistical data on short-stay hospital utilization that are available from other sources. Definitions of the terms used in this report are presented in appendix II.

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

# Highlights

During 1980 an estimated 37.8 million inpatients, excluding newborn infants, were discharged from non-Federal short-stay hospitals. These patients utilized 274.5 million days of care during the year and their average length of stay was 7.3 days. Half of the patients were discharged within 4 days of their admission, and 6 percent remained in the hospital for 3 weeks or longer. Patients hospitalized during 1980 accounted for 170 discharges and 1,231 days of care per 1,000 civilian noninstitutionalized population.

Table A presents selected measures of hospital utilization for 1965, 1970, 1975, and 1980. Both the number and rate of discharges have increased over this period. The number of days of care has also increased significantly from 1965 to 1980, but the increase in the rate of days of care between these two years is not significant.

It should be noted that decreases in the rates of discharges and days of care between 1965 and 1970 are not statistically significant and are due primarily to the fact that the 1970 estimate was representative of the universe of short-stay non-Federal hospitals in 1965 (when the NHDS sample was first drawn). This underestimation of hospital utilization does not apply to 1975 or 1980 data, however, since the NHDS sample has been periodically updated since 1972.<sup>4</sup>

Both the number of discharges and days of care have increased from 1965 to 1980; however, the rates

of increase in these two measures of utilization were quite different. This difference is reflected in the average lengths of stay that decreased from 7.8 days in 1965 to 7.3 days in 1980. The percent of patients with surgery has remained fairly constant from 1965 through 1980.

## Utilization by patient characteristics

The 37.8 million patients discharged from short-stay hospitals during 1980 included an estimated 15.1 million males and 22.7 million females (table 1). The rates per 1,000 population were 141 for males and 197 for females, making the rate for females almost 40 percent higher than the rate for males. The number and rate of discharges are always higher for females than for males because of the large number of women in their childbearing years (15-44 years of age) who are hospitalized for deliveries and other obstetrical conditions. Excluding deliveries, the rate for females discharged was 164, or only about 17 percent higher than the rate for males (table 8).

Except for children under 5 years of age and women in their childbearing years, annual rates of discharges increased consistently with each older age group for both males and females. This pattern of increase also applies to women in their childbearing years if those who were hospitalized only for deliv-

Table A. Selected measures of hospital utilization: United States, 1965, 1970, 1975, and 1980  
[Data for non-Federal short-stay hospitals. Excludes newborn infants]

Measure of utilization	1965	1970	1975	1980
Number of patients discharged in thousands . . . . .	28,792	29,127	34,043	37,832
Rate of patients discharged per 1,000 population . . . . .	151.7	145.9	162.8	169.6
Number of days of care in thousands . . . . .	225,011	226,445	262,389	274,508
Rate of days of care per 1,000 population . . . . .	1,185.6	1,134.6	1,254.9	1,230.8
Average length of stay in days . . . . .	7.8	7.8	7.7	7.3
Percent of patients with surgery <sup>1</sup> . . . . .	38.2	39.7	41.7	40.7

<sup>1</sup>Excludes nonsurgical procedures and the following obstetrical procedures that were not coded in 1970 and 1975: Episiotomy, artificial rupture of membranes, internal version, and outlet and low forceps delivery. The unadjusted 1980 figure is 52.2 percent.



eries 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 4 times higher for males and 5 times higher for females.

In 1980, male patients utilized an estimated 116.3 million days of care in short-stay hospitals compared with 158.2 million days of care utilized by females (table 2). The rate of days of care per 1,000 population was 1,080 for males and 1,371 for females, or about 27 percent higher for females than for males. Differences between the rates of days of care for each sex were smaller than for discharges mainly because the average length of stay for about 3.8 million women who were hospitalized for deliveries was only 3.8 days. This length of stay compares with an average length of stay of 7.7 days for males and 7.6 days for females who were not hospitalized for deliveries (tables 2 and 6).

The annual number of days of care per 1,000 population increased about 14 times with advancing age from 316 for patients under 15 years of age to 4,328 for those 65 years of age and over (table 2). The much higher increase in the rate of days of care than of discharges from the youngest to the oldest age group was due to long average lengths of stay for persons 65 years of age and over (10.7 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.

A smaller proportion of males (48 percent) than of females (51 percent) were discharged from short-stay hospitals within 4 days of their admission (table 3). The percent of patients hospitalized fewer than 5 days decreased with each older age group from 73 percent for those under 15 years of age to 29 percent for patients 65 years of age and over. Conversely, the proportion of patients hospitalized for 3 weeks or longer increased from about 2 percent for the youngest age group to 11 percent for those 65 years of age and over. About 6 percent of the males and 5 percent of the females were hospitalized for at least 3 weeks.

In this report the terms "white" and "all other" are used for race of patients. In 1980, 28.5 million patients were identified on the face sheets of the medical records as "white" and 4.9 million as "all other" groups (table 4). However, race was not reported for an additional 4.5 million patients, or a number almost as large as the "all other" group. As a result, rates were not computed by race and caution should be used in drawing conclusions from the data by race.

Some demographic characteristics differed be-

tween the two race groups. The largest differences between white and all other patients were in the distributions of discharges by age. White patients were older than all other patients, both as a group and for each sex (table 4). Twenty-eight percent of these patients were 65 years of age and over; the comparable figure for all others was 17 percent.

The number of days of care in 1980 totaled 206.9 million for white patients and 36.6 million for all other patients (table 5), and the average length of stay was 7.3 days for white patients and 7.5 days for all others (table 6). White patients utilized proportionately more days of care than all others in the oldest age group, both as a whole and for each sex. However, the average length of stay was higher for the all other group in most of the age and sex categories.

As was mentioned previously, National Hospital Discharge Survey (NHDS) data by race are limited because of the large number of patients for whom race was not stated. A comparison of the percent distributions of discharges and days of care and the average lengths of stay for patients with race stated and those with race not stated indicates that these utilization measures for the two groups are quite similar with regard to their age and sex distributions.<sup>5</sup> These relationships suggest that patients with race not stated were probably distributed by race in about the same proportions as those for whom race was identified.

#### Utilization by hospital characteristics

Discharges from short-stay hospitals by geographic region in 1980 ranged from 6.1 million in the West Region to 13.0 million in the South Region (table 7). Regional differences in the number of discharges are accounted for mainly by variations in population sizes (see appendix I, table III) and, to a lesser extent, by variations in the discharge rates.

The rates of regional discharges per 1,000 population in 1980 were 144 in the West, 162 in the Northeast, 175 in the South, and 187 in the North Central Regions (table 8). Among the geographic regions, discharge rates in the North Central Region were highest for all discharges and for each age and sex group except for those under 15 years of age. For this last group, the rate was about the same as it was in the South Region. The remaining discharge rates in the South were lower than those in the North Central Region; however, the *number* of discharges in the South Region was about the same or higher for each age and sex group compared with the North Central Region, because the population in the South was about a fifth larger than that in the North Central Region.

Both the number and the rate per 1,000 population of days of care were lowest in the West Region. The highest number of days of care was in the South Region for most of the age and sex categories, whereas the highest rates were in the North Central

and the Northeast Regions (tables 7 and 8). The number of days of care for the total population ranged from 37.1 million in the West to 88.2 million in the South Region; the rate per 1,000 population varied from 873 days in the West Region to 1,413 days in the North Central Region.

Average lengths of stay by geographic region were 6.1 days in the West, 6.8 days in the South, 7.5 days in the North Central, and 8.5 days in the Northeast (table 9). Hospitalization was generally longest in the Northeast Region and shortest in the West Region for patients in each age and sex category. Regional differences in average lengths of stay were larger among the older age groups.

Table 7 shows the number of patients discharged from short-stay hospitals and days of care by sex and age of the patients, and geographic region, and bed size of the hospitals; percent distributions of these data are shown in table 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 and females with deliveries accounted for about 10 percent of the discharges regardless of hospital size. However, some variation was found in the distribution of patients by age. Specifically, as the bed size of the hospital increased, the percent of patients who were 65 years of age and over steadily decreased from 29 percent in the smallest hospitals to 22 percent in the largest ones. An overall increase was found in the percent of patients in the age groups 15-44 and 45-64 years from the smallest to the largest hospitals; however, this pattern was not consistent with increasing bed size. The percent of patients under 15 years of age remained essentially the same regardless of the size of the hospital.

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

Table B shows that the percent distribution of days of care by the age of the persons hospitalized changed with bed size of the hospital in about the same direction as that for discharges, but the magnitude of the changes was greater for days of care than for discharges. The percent of days of care for younger patients generally increased with increasing bed size, while the percent for patients 65 years of age and over decreased from the smallest to the largest hospitals.

As shown in table B, the average length of stay for patients discharged from short-stay hospitals in 1980 increased steadily from 6.0 days in the smallest

hospitals (6-99 beds) to 8.2 days in the largest hospitals (500 beds or more). This pattern of increase occurred for each sex and age group presented. The average length of stay was slightly longer for males than for females in all hospitals; however, when females who were hospitalized for deliveries are excluded, the average lengths of stay for each sex were virtually the same. The average length of stay increased as the age of the patients increased regardless of the size of the hospital.

Table 10 shows that some exceptions to these patterns in the average length of stay existed among regions. For example, the average length of stay did not increase with increasing bed size for female patients 15-44 years of age in the Northeast Region.

Approximately 7 out of 10 patients of non-Federal short-stay hospitals were discharged from voluntary nonprofit hospitals operated by church and other nonprofit groups during every year the NHDS was conducted. In 1980, voluntary nonprofit hospitals provided medical care to an estimated 27.1 million patients, or 72 percent of all patients hospitalized. Hospitals operated by State and local governments cared for 7.8 million patients or 21 percent of all discharges, and proprietary hospitals operated for profit cared for 2.9 million patients, or 8 percent of all discharges (table 11).

The estimated 274.5 million days of care utilized by patients in short-stay hospitals during 1980 were distributed by ownership of hospitals in the following manner: voluntary nonprofit, 202.5 million days, or 74 percent; government, 50.9 million days, or 19 percent; and proprietary, 21.1 million days, or 8 percent. Average lengths of stay were 7.5 days in voluntary nonprofit hospitals, 6.6 days in government hospitals, and 7.2 days in proprietary hospitals (table 12).

#### Utilization by diagnosis

*First-listed diagnosis.*—Diseases of the circulatory system ranked first in 1980 among the ICD-9-CM diagnostic classes as a principal or first-listed diagnosis among patients discharged from non-Federal short-stay hospitals (table 13). These conditions accounted for an estimated 5.1 million discharges. Other leading ICD-9-CM diagnostic classes were diseases of the digestive system (4.7 million discharges); supplementary classifications, which include females with deliveries (4.4 million discharges); diseases of the genitourinary system (3.6 million discharges); injury and poisoning (3.6 million discharges); and diseases of the respiratory system (3.4 million discharges). About two-thirds of the patients discharged from non-Federal short-stay hospitals were included in these six ICD-9-CM diagnostic classes.

The diagnostic categories presented in this summary report were selected either because they appear as principal or first-listed diagnoses with great fre-

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, 1980

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

<i>Sex and age</i>	<i>Number</i>	<i>All sizes</i>	<i>6-99 beds</i>	<i>100-199 beds</i>	<i>200-299 beds</i>	<i>300-499 beds</i>	<i>500 beds or more</i>
Number of patients discharged in thousands							
All patients discharged . . . . .	37,832	37,832	7,512	6,659	6,664	8,682	8,315
Sex							
Percent distribution							
Both sexes . . . . .	37,832	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	15,145	40.0	40.9	39.0	40.0	40.5	39.5
Female including deliveries . . . . .	22,686	60.0	59.1	61.0	60.0	59.5	60.5
Female excluding deliveries . . . . .	18,924	50.0	51.6	50.8	50.2	49.4	48.6
Age							
All ages . . . . .	37,832	100.0	100.0	100.0	100.0	100.0	100.0
Under 15 years . . . . .	3,672	9.7	10.4	9.8	10.0	9.3	9.2
15-44 years . . . . .	15,635	41.3	38.3	41.1	41.3	41.1	44.5
45-64 years . . . . .	8,660	22.9	21.9	21.7	22.7	23.8	23.9
65 years and over . . . . .	9,864	26.1	29.4	27.4	26.0	25.8	22.3
Number of days of care in thousands							
All days of care . . . . .	274,508	274,508	45,237	44,661	48,259	67,902	68,450
Sex							
Percent distribution							
Both sexes . . . . .	274,508	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	116,267	42.4	42.0	41.0	41.8	42.5	43.7
Female including deliveries . . . . .	158,241	57.6	58.0	59.0	58.2	57.5	56.3
Female excluding deliveries . . . . .	144,084	52.5	54.2	53.7	53.3	52.3	50.1
Age							
All ages . . . . .	274,508	100.0	100.0	100.0	100.0	100.0	100.0
Under 15 years . . . . .	16,191	5.9	6.4	5.6	5.9	5.2	6.5
15-44 years . . . . .	81,951	29.9	28.2	28.8	29.2	29.1	32.8
45-64 years . . . . .	71,008	25.9	24.0	24.3	25.3	26.2	28.2
65 years and over . . . . .	105,358	38.4	41.4	41.2	39.6	39.6	32.5
Average length of stay in days							
Total . . . . .	7.3	7.3	6.0	6.7	7.2	7.8	8.2
Sex							
Male . . . . .	7.7	7.7	6.2	7.0	7.6	8.2	9.1
Female including deliveries . . . . .	7.0	7.0	5.9	6.5	7.0	7.6	7.7
Female excluding deliveries . . . . .	7.6	7.6	6.3	7.1	7.7	8.3	8.5
Age							
Under 15 years . . . . .	4.4	4.4	3.7	3.8	4.2	4.4	5.8
15-44 years . . . . .	5.2	5.2	4.4	4.7	5.1	5.5	6.1
45-64 years . . . . .	8.2	8.2	6.6	7.5	8.1	8.6	9.7
65 years and over . . . . .	10.7	10.7	8.5	10.1	11.0	12.0	12.0

quency or because the condition 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 1980, including females with deliveries, are presented in table C. These categories accounted for 47 percent of all patients discharged during 1980

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, patients of all other races, and patients in the smallest hospitals (6-99 beds).

For patients under 15 years of age, the most frequent first-listed diagnosis was chronic disease of ton-

Table C. Number and rate of patients and days of care for patients discharged from short-stay hospitals and average length of stay, by selected first-listed diagnostic categories: United States, 1980

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

Diagnostic category and ICD-9-CM code	Discharged patients		Days of care		Average length of stay in days
	Number in thousands	Rate per 1,000 population	Number in thousands	Rate per 1,000 population	
All conditions <sup>1</sup>	37,832	169.6	274,508	1,230.8	7.3
Females with deliveries	3,762	16.9	14,158	63.5	3.8
Heart disease	3,201	14.4	30,500	136.7	9.5
Acute myocardial infarction	431	1.9	5,432	24.4	12.6
Atherosclerotic heart disease	562	2.5	5,625	25.2	10.0
Other ischemic heart disease	793	3.6	6,078	27.3	7.7
Malignant neoplasms	1,829	8.2	22,009	98.7	12.0
Fractures, all sites	1,163	5.2	12,583	56.4	10.8
Cerebrovascular disease	796	3.6	10,114	45.3	12.7
Pneumonia, all forms	782	3.5	6,497	29.1	8.3
Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior	648	2.9	3,995	17.9	6.2
Diabetes mellitus	645	2.9	6,754	30.3	10.5
Noninfectious enteritis and colitis	610	2.7	3,327	14.9	5.5
Arthropathies and related disorders	543	2.4	5,090	22.8	9.4
All abortions, including ectopic and molar pregnancies	531	2.4	1,129	5.1	2.1
Inguinal hernia	509	2.3	2,404	10.8	4.7
Psychoses	507	2.3	7,480	33.5	14.8
Cholelithiasis	458	2.1	4,254	19.1	9.3
Chronic disease of tonsils and adenoids	474	2.1	870	3.9	1.9
Disorders of menstruation and other abnormal vaginal bleeding	448	2.0	1,493	6.7	3.3
Alcohol dependence syndrome	439	2.0	4,424	19.8	10.1
Cataract	431	1.9	1,541	6.9	3.6

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

sils and adenoids. Some other frequent diagnoses for these patients were pneumonia, all forms, diseases of the ear and mastoid process, and noninfectious enteritis and colitis.

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 of all other races was heart disease. Other common diagnoses for this group included malignant neoplasms, all abortions, including ectopic and molar pregnancies, and diabetes mellitus.

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, and fractures, all sites.

The number and rate of patients discharged from short-stay hospitals and average length of stay, by ICD-9-CM diagnostic classes and selected categories, are presented by age for 1980 in table 13. Although the estimated rates of discharge from short-stay hospitals generally increased as the age of the patients increased, especially for patients 15 years of age and over, some decreases were observed. For example,

decreases in rates between the two oldest age groups (45-64 years and 65 years and over) occurred for the categories of alcohol dependence syndrome, calculus of kidney and ureter, 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, appendicitis, 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 classes and categories of diagnoses. Overall, it tended to be higher for mental disorders (especially psychoses), malignant neoplasms, and various diseases of the circulatory system. On the average, patients 65 years of age and over also had long lengths of stay for the categories of fractures, all sites and diseases of the central nervous system. Short average lengths of stay occurred for patients of all ages with a first-listed diagnosis of chronic disease of tonsils and adenoids, all abortions, including ectopic and molar pregnancies, and persons admitted for sterilization.

Data on discharges and average length of stay for patients discharged from short-stay hospitals by sex and race are presented in table 14 by diagnostic classes and selected categories of first-listed diagnosis.

Discharge rates were computed for sex but not for race because of the large number of patients (4.5 million) for whom race was not stated.

Rates of discharges per 10,000 population were very similar for the two sexes for most of the diagnostic classes 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, carcinoma in situ, and neoplasms of uncertain behavior, diabetes mellitus, essential hypertension, noninfectious enteritis and colitis, cholelithiasis, arthropathies and related disorders, and persons admitted for sterilization.

Seventy-five percent of all the patients discharged were listed as white on their medical record and 13 percent were listed as other than white; the race of 12 percent was not stated. However, some variation occurred in this distribution for different diagnostic categories. For example, the percents were higher for white patients who were discharged with a first-listed diagnosis of heart disease and lower for those with a diagnosis of abortion, including molar and ectopic pregnancy, and delivery. The percent of patients for whom race was not stated remained about the same for these categories, but was higher for the diagnostic categories of alcohol dependence syndrome and intervertebral disc disorders. Average lengths of stay for almost all of the ICD-9-CM classes and categories shown were the same as or shorter for white patients than for all others. Exceptions occurred for the categories of psychoses, alcohol dependence syndrome, and fractures, all sites; white patients with these diagnoses stayed, on the average, at least 1 day longer than all other patients.

Table 15 provides information on patients discharged from short-stay hospitals by geographic region. In 1980, the number of discharges per 1,000 population ranged from 144 in the West Region to 187 in the North Central Region. The smallest fluctuations among the geographic regions in discharge rates for the diagnostic categories were for asthma, appendicitis, cholelithiasis, arthropathies and related disorders, and intracranial injuries (excluding those with skull fracture). The diagnostic categories for which variations in the rates were the largest were malignant neoplasms, which ranged from 7 per 1,000 population in the South to 9 in the Northeast; alcohol dependence syndrome, from 1 in the South to 4 in the Northeast; heart disease, which ranged from 12 in the West to 15 in the Northeast; and females with deliveries, with a range of 15 in the Northeast to 18 in the North Central.

The number of patients discharged from short-

stay hospitals during 1980 and the average length of stay are shown by bed size of hospital and diagnostic category in table 16. Females with deliveries ranked as the highest category for first-listed diagnosis in hospitals of all bed sizes except the smallest, where it was second. In hospitals of 6-99 beds, the highest ranking diagnostic category was that of heart disease.

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

For the most part, the average length of stay for the diagnostic classes and categories followed the same patterns as the overall average lengths of stay for each region and bed size of hospital. That is, short hospital stays were more common in the West; long stays occurred more frequently in the Northeast Region. Similarly, the average length of stay generally increased as the size of the hospital increased. 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 (12.5 days) and 200-299 beds (13.2 days).

*All-listed diagnoses.*—An estimated 90.4 million diagnoses were recorded for the 37.8 million inpatients of non-Federal short-stay hospitals in 1980 (table 17) for an average of 2.4 diagnoses per discharged patient. The average number of diagnoses per discharge increased from prior years primarily because of changes that were made in the way data are tabulated. Starting in 1979, up to seven diagnoses per discharge are now coded and tabulated on the NHDS data file; prior to that time, up to five diagnoses were coded. In addition, the ICD-9-CM, which is the classification scheme used for coding diagnostic and surgical data since 1979, has inherent in it a certain amount of "double coding," while the classification used prior to 1979 does not. For example, females with deliveries all receive one additional diagnostic code that indicates the outcome of their delivery (single liveborn; twins, both liveborn; etc.) whereas this was not the case prior to 1979.

The average number of diagnoses per discharge varied only slightly by sex and race of the patient and by region and bed size of the hospital. For each of these categories, the average was generally 2.4 diagnoses per patient. Exceptions occurred for patients of all other races (2.3 diagnoses per patient) and hospitals with 6-99 or 500 beds or more (2.5 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

Table D. Percent distribution of patients discharged from short-stay hospitals by bed size of hospital, according to diagnostic class: United States, 1980

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

Diagnostic class and ICD-9-CM code	All sizes	6-99 beds	100-199 beds	200-299 beds	300-499 beds	500 beds or more	Percent distribution					
All conditions	100.0	19.9	17.6	17.6	22.9	22.0						
1. Infectious and parasitic diseases . . . . .001-139	100.0	22.5	18.3	17.6	21.7	19.9						
2. Neoplasms . . . . .140-239	100.0	10.7	14.2	17.3	27.2	30.6						
3. Endocrine, nutritional, and metabolic diseases, and immunity disorders . . . . .240-279	100.0	22.0	17.6	18.3	22.2	20.0						
4. Diseases of the blood and blood-forming organs . . . . .280-289	100.0	21.8	15.7	17.3	22.8	22.5						
5. Mental disorders . . . . .290-319	100.0	25.4	14.7	15.4	24.9	19.7						
6. Diseases of the nervous system and sense organs . . . . .320-389	100.0	12.6	16.9	17.4	26.7	26.4						
7. Diseases of the circulatory system . . . . .390-459	100.0	20.7	17.3	18.0	23.2	20.9						
8. Diseases of the respiratory system . . . . .460-519	100.0	27.4	19.8	17.7	19.9	15.2						
9. Diseases of the digestive system . . . . .520-579	100.0	23.8	18.9	18.1	21.4	17.9						
10. Diseases of the genitourinary system . . . . .580-629	100.0	17.7	19.7	18.2	22.8	21.7						
11. Complications of pregnancy, childbirth, and the puerperium <sup>1</sup> . . . . .630-676	100.0	15.7	18.4	16.0	22.3	27.6						
12. Diseases of the skin and subcutaneous tissue . . . . .680-709	100.0	22.9	14.8	16.6	23.9	21.8						
13. Diseases of the musculoskeletal system and connective tissue . . . . .710-739	100.0	18.6	16.7	18.9	22.8	22.9						
14. Congenital anomalies . . . . .740-759	100.0	16.4	11.8	14.0	21.3	36.5						
15. Certain conditions originating in the perinatal period . . . . .760-779	100.0	16.4	13.6	16.9	26.5	26.5						
16. Symptoms, signs, and ill-defined conditions . . . . .780-799	100.0	20.6	15.3	17.5	21.3	25.2						
17. Injury and poisoning . . . . .800-999	100.0	21.7	17.6	17.5	22.9	20.2						
Supplementary classifications . . . . . V01-V82	100.0	15.4	18.1	17.3	23.0	26.2						

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

years, and 65 years and over was 1.7, 2.0, 2.5, and 3.2, respectively.

Diseases of the circulatory system ranked first among the ICD-9-CM diagnostic classes for all-listed diagnoses, with 16.6 million diagnoses. This class was followed by diseases of the digestive system (8.7 million); diseases of the genitourinary system (7.6 million); supplementary classifications (7.2 million); diseases of the respiratory system (6.7 million); and injury and poisoning (6.4 million). These six ICD-9-CM classes accounted for almost 60 percent of all-listed diagnoses in 1980.

### Utilization by procedures

One or more procedures were performed for an estimated 19.8 million of the 37.8 million inpatients discharged from short-stay hospitals during 1980. A total of 31.4 million procedures, or an average of 1.6 per patient who underwent at least one procedure, were recorded in 1980 (table 18).

These figures are higher than in previous years for several reasons. Both the number of procedures and the percent of patients with procedures have increased over the past 10 years. In addition, changes in the tabulation and coding of data for the NHDS have resulted in the reporting of a greater number of procedures. Beginning in 1979 more procedures, in terms of both number per patient and 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 procedures" for more information on the differences between coding the ICDA and the ICD-9-CM.)

Table E shows the number and percent of patients with procedures for 1980 and also the number and percent of patients with surgical procedures. These last figures are included to provide data that are comparable with what is published for years prior to 1979.<sup>6,7</sup> About half of the patients discharged had some procedure, including diagnostic and nonsurgical procedures. Some variations in the proportions, however, occurred by age and sex of the patient, geographic region, and bed size of the hospital. Patients 15-44 years of age had the highest proportion of all the age groups with procedures (62 percent). Women had more procedures than men (55 percent compared with 48 percent), primarily because of those relating to childbirth. Among the geographic regions, the lowest percent of persons with procedures occurred in the South Region (47 percent). The proportion of patients with one or more procedures increased with the size of the hospital, from 34 percent in hospitals with 6-99 beds to 63 percent in hospitals with 500 beds or more.

Six out of 10 patients (60 percent) with pro-

Table E. Number of patients discharged from short-stay hospitals with and without procedures and percent with procedures, by age, sex, and race of patient and geographic region and bed size of hospital: United States, 1980

[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	37,832	18,065	19,766	17,005	52.2	44.9
Age						
Under 15 years	3,672	2,091	1,582	1,385	43.1	37.7
15-44 years	15,635	5,912	9,723	8,846	62.2	56.6
45-64 years	8,660	4,253	4,407	3,575	50.9	41.3
65 years and over	9,864	5,809	4,054	3,198	41.1	32.4
Sex						
Male	15,145	7,862	7,283	5,975	48.1	39.4
Female	22,686	10,203	12,483	11,031	55.0	48.6
Race						
White	28,484	13,524	14,960	12,828	52.5	45.0
All other	4,879	2,415	2,464	2,105	50.5	43.1
Race not stated	4,469	2,127	2,342	2,072	52.4	46.4
Geographic region						
Northeast	7,868	3,500	4,368	3,677	55.5	46.7
North Central	10,878	5,060	5,818	5,022	53.5	46.2
South	12,983	6,842	6,141	5,304	47.3	40.9
West	6,103	2,663	3,440	3,003	56.4	49.2
Bed size of hospital						
6-99 beds	7,512	4,974	2,537	2,260	33.8	30.0
100-199 beds	6,659	3,232	3,427	2,965	51.5	44.5
200-299 beds	6,664	3,046	3,617	3,122	54.3	46.8
300-499 beds	8,682	3,721	4,961	4,297	57.1	49.5
500 beds or more	8,315	3,092	5,223	4,361	62.8	52.4

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

cedures had only one operation or nonsurgical procedure during their hospitalization (table F). About 26 percent of the patients had two procedures, about 9 percent had three, and about 5 percent had four or more. By age, patients under 15 years of age had the lowest proportion of multiple procedures (32 percent) and those 45-64 and 65 years of age and over had the largest proportion (46 percent in each case). A smaller proportion of patients discharged from the smallest hospitals had more than one procedure (35 percent); about 40 percent of the patients discharged from hospitals of all other sizes had two or more procedures during their hospitalization.

Table F also shows the percent of patients with surgical procedures (i.e., all procedures except nonsurgical—see appendix II) by number of procedures. Again, these figures are comparable with those published in prior years.<sup>6,7</sup> Over two-thirds (68 percent) of the patients with surgical procedures had only one, 23 percent had two, and 9 percent had three or more.

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.

Operations on the digestive system ranked first among the surgical and nonsurgical procedures (5.3 million) performed during 1980. These were followed by operations on the female genital organs (4.3 million), miscellaneous diagnostic and therapeutic procedures (3.9 million), obstetrical procedures (3.6 million), and operations on the musculoskeletal system (3.2 million). Over three-fifths (65 percent) of the procedures performed in 1980 were included in these five major groups.

The number and rate of all-listed procedures in 1980 by selected ICD-9-CM categories are shown in table G. The categories presented in this table include procedures that were performed frequently during

Table F. Percent distribution of patients discharged from short-stay hospitals by number of procedures, according to age, sex, and race of patient and geographic region and bed size of hospital: United States, 1980

[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	60.2	25.8	8.7	5.2
Age					
Under 15 years	100.0	67.8	24.9	4.8	2.5
15-44 years	100.0	64.5	24.4	7.6	3.6
45-64 years	100.0	54.1	27.2	11.1	7.5
65 years and over	100.0	53.8	28.1	10.4	7.7
Sex					
Male	100.0	58.1	26.8	9.0	6.2
Female	100.0	61.5	25.3	8.5	4.7
Race					
White	100.0	59.4	26.1	9.0	5.5
All other	100.0	62.1	24.7	8.3	5.0
Race not stated	100.0	63.8	25.4	7.2	3.6
Geographic region					
Northeast	100.0	61.3	24.5	8.7	5.5
North Central	100.0	58.8	26.6	9.0	5.6
South	100.0	60.0	26.0	9.0	5.1
West	100.0	61.8	26.0	7.7	4.6
Bed size of hospital					
6-99 beds	100.0	64.9	23.1	7.5	4.4
100-199 beds	100.0	60.2	25.4	8.9	5.5
200-299 beds	100.0	59.4	26.2	9.3	5.0
300-499 beds	100.0	59.4	27.0	8.5	5.1
500 beds or more	100.0	59.3	26.0	9.0	5.7
Patients with surgical procedures <sup>2</sup>	100.0	67.7	23.1	6.7	2.5

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

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

the year. Many of the procedures included in this table are diagnostic and nonsurgical procedures for which data have been unpublished by the NHDS prior to 1979 such as endoscopy on the digestive system, cystoscopy and urethroscopy, arteriography and angiocardiology using contrast material, and radioisotope scan. Over one-half million of each of these procedures were performed during 1980.

Table G also includes data for the more traditional leading surgical operations. Some of the most frequently performed surgeries, of which 500,000 or more were performed in 1980, included diagnostic dilation and curettage of uterus, excision or destruction of lesion or tissue of skin or subcutaneous tissue, hysterectomy, bilateral destruction or occlusion of fallopian tubes, cesarean section, and repair of inguinal hernia.

The estimated 31.4 million procedures performed in 1980 are presented in table 18 for the ICD-9-CM major groups and selected categories, by sex and race,

and for persons 15 years of age and over. The corresponding rates are shown by sex and for the age group 15 years of age and over in table 19.

Of the 31.4 million procedures performed during 1980, about 11.9 million were for males and 19.5 million were for females. The corresponding rates per 1,000 population were 141 for both sexes, 110 for males, and 169 for females. Of the procedures shown in table 18, the most common ones for males were repair of inguinal hernia and prostatectomy while the most frequently performed procedures for females were diagnostic dilation and curettage of uterus, hysterectomy, bilateral destruction or occlusion of fallopian tubes, and cesarean section.

Generally, the percent distribution of total procedures for white patients was similar to that for all other patients. Although there were some differences, it is difficult to determine whether or not these differences were real because of the large number of patients for whom race was not stated. It is inter-



Table G. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by selected procedure categories: United States, 1980

[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	31,412	14,083.7
Surgical procedures <sup>1</sup>	24,494	10,982.0
Nonsurgical procedures <sup>1</sup>	6,918	3,101.7
Procedures to assist delivery	72-73	2,391
Biopsy <sup>1</sup>	1,351	605.7
Endoscopy on the digestive system	42.21-42.23, 44.11-44.13, 45.11-45.13, 45.21-45.24, 48.21-48.22, 51.11, 54.21	1,319
Diagnostic dilation and curettage of uterus	69.09	923
Cystoscopy and urethroscopy	55.21-55.22, 56.31, 57.32, 58.22	888
Excision or destruction of lesion or tissue of skin or subcutaneous tissue	86.2-86.4	715
Hysterectomy	68.3-68.7	649
Bilateral destruction or occlusion of fallopian tubes	66.2-66.3	641
Cesarean section	74.0-74.2, 74.4, 74.99	619
Arteriography and angiocardiology using contrast material	88.4-88.5	569
Repair of inguinal hernia	53.0-53.1	537
Radioisotope scan	92.0-92.1	525
Oophorectomy and salpingo-oophorectomy	65.3-65.6	483
Extraction of lens	13.1-13.6	467
Pyelogram	87.73-87.75	466
Tonsillectomy with or without adenoidectomy	28.2-28.3	464
Cholecystectomy	51.2	458
Operations on muscles, tendons, fascia, and bursa	82-83.1, 83.3-83.9	394
Open reduction of fracture	76.79, 79.2-79.3, 79.5-79.6	363
Repair of current obstetric laceration	75.5-75.6	355
Cardiac catheterization	37.21-37.23	348
Prostatectomy	60.2-60.6	335
Diagnostic ultrasound	88.7	318
Computerized axial tomography (C.A.T. scan)	87.03, 87.41, 87.71, 88.01, 88.38	306
Contrast myelogram	87.21	298
Dilation and curettage of uterus after delivery or abortion	69.02	292
Incidental appendectomy	47.1	291
Appendectomy, excluding incidental	47.0	291

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

esting, however, that all other patients had larger proportions than white patients for operations on the female genital organs and obstetrical procedures.

The rate of procedures per 1,000 population increased with advancing age from 45 for patients under 15 years to 258 for patients 65 years of age and over (table H). Except for females 15-44 years of age, the rates for each sex also increased as age increased. The rate for females 15-44 years of age was higher than that for females 45-64 years of age because of the large number of females 15-44 years of age operated on for obstetrical and gynecological conditions.

The number of procedures for patients discharged from short-stay hospitals by procedure category and geographic region is presented in table 20 and the corresponding rates are shown in table 21. The rate of procedures per 1,000 population was lowest in the West Region (126) and highest in the North Central Region (162). Rates were highest in all regions for

Table H. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by sex and age of patient: United States, 1980

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

Age	Both sexes	Male	Female
Number of procedures in thousands			
All ages	31,412	11,891	19,521
Under 15 years	2,247	1,284	962
15-44 years	14,612	3,784	10,828
45-64 years	7,584	3,441	4,143
65 years and over	6,969	3,382	3,587
Rate per 1,000 population			
All ages	140.8	110.5	169.1
Under 15 years	43.9	49.1	38.4
15-44 years	141.4	74.9	205.1
45-64 years	171.6	164.2	178.4
65 years and over	286.2	338.7	249.8

Table J. Percent distribution of all-listed procedures for patients discharged from short-stay hospitals by bed size of hospital, according to procedure category: United States, 1980

[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 sizes	6-99 beds	100-199 beds	200-299 beds	300-499 beds	500 beds or more	Percent distribution					
All procedures	100.0	12.2	17.4	18.4	25.1	26.8						
Operations on the nervous system . . . . . 01-05	100.0	8.1	13.1	16.9	26.9	34.9						
Operations on the endocrine system . . . . . 06-07	100.0	7.8	13.1	18.7	25.6	35.1						
Operations on the eye . . . . . 08-16	100.0	10.6	18.8	15.1	29.6	25.9						
Operations on the ear . . . . . 18-20	100.0	6.3	17.1	24.4	27.7	24.5						
Operations on the nose, mouth, and pharynx . . . . . 21-29	100.0	14.1	17.8	22.2	25.0	20.9						
Operations on the respiratory system . . . . . 30-34	100.0	6.1	14.1	17.9	28.0	33.9						
Operations on the cardiovascular system . . . . . 35-39	100.0	3.2	9.6	16.8	30.3	40.1						
Operations on the hemic and lymphatic system . . . . . 40-41	100.0	8.0	11.5	17.3	29.0	34.2						
Operations on the digestive system . . . . . 42-54	100.0	14.1	18.5	20.1	23.7	23.6						
Operations on the urinary system . . . . . 55-59	100.0	11.3	18.9	20.9	25.4	23.5						
Operations on the male genital organs . . . . . 60-64	100.0	13.1	18.8	18.0	26.1	23.9						
Operations on the female genital organs . . . . . 65-71	100.0	13.6	20.7	17.9	23.4	24.4						
Obstetrical procedures . . . . . 72-75	100.0	12.5	17.7	16.6	25.6	27.7						
Operations on the musculoskeletal system . . . . . 76-84	100.0	17.2	16.5	18.1	24.4	23.7						
Operations on the integumentary system . . . . . 85-86	100.0	18.2	16.1	18.9	24.5	22.2						
Miscellaneous diagnostic and therapeutic procedures . . . . . 87-99	100.0	7.3	16.8	17.0	24.7	34.2						

operations on the digestive system, operations on the female genital organs, obstetrical procedures, operations on the musculoskeletal system, and miscellaneous diagnostic and therapeutic procedures.

The number of procedures patients underwent in short-stay hospitals during 1980 is presented in table 22 for each ICD-9-CM category by bed size of hospital where the procedure was performed. Except for the largest hospitals, operations on the digestive system were observed to rank highest of all-listed procedures for all hospital bed-size groups and operations on the female genital organs ranked next. The most common procedures for hospitals of 500 beds or more were miscellaneous diagnostic and therapeutic procedures, followed by operations on the digestive system and operations on the female genital organs.

Table J gives the percent distributions of the major groups of procedures by bed size of hospital. About the same proportion of all procedures was performed in the larger hospitals (300 beds or more) as were performed in the smaller hospitals. Hospitals with 300 beds or more treated an estimated 45 percent of the patients hospitalized during 1980, but they performed about 52 percent of the operations. Procedures for which the largest percents were performed in hospitals with 300 beds or more were operations on the cardiovascular system (70 percent), on the hemic and lymphatic system (63 percent), on the respiratory system (62 percent), on the nervous system (62 percent), and on the endocrine system (61 percent).

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TABLE 1. NUMBER, PERCENT DISTRIBUTION, AND RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1980

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

SEX AND AGE	DISCHARGED PATIENTS		
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION
BOTH SEXES			
ALL AGES.....	37,832	100.0	169.6
UNDER 15 YEARS.....	3,672	9.7	71.8
UNDER 1 YEAR.....	825	2.2	235.1
1-4 YEARS.....	1,115	2.9	86.3
5-14 YEARS.....	1,733	4.6	49.9
15-44 YEARS.....	15,635	41.3	151.3
15-24 YEARS.....	5,739	15.2	139.3
25-34 YEARS.....	6,216	16.4	169.4
35-44 YEARS.....	3,681	9.7	144.7
45-64 YEARS.....	8,660	22.9	196.0
45-54 YEARS.....	3,975	10.5	175.9
55-64 YEARS.....	4,685	12.4	217.0
65 YEARS AND OVER.....	9,864	26.1	405.2
65-74 YEARS.....	4,943	13.1	321.7
75 YEARS AND OVER.....	4,921	13.0	547.9
MALE			
ALL AGES.....	15,145	100.0	140.7
UNDER 15 YEARS.....	2,063	13.6	78.9
UNDER 1 YEAR.....	467	3.1	260.0
1-4 YEARS.....	656	4.3	99.4
5-14 YEARS.....	940	6.2	53.0
15-44 YEARS.....	4,687	30.9	92.7
15-24 YEARS.....	1,586	10.5	78.1
25-34 YEARS.....	1,644	10.9	91.9
35-44 YEARS.....	1,456	9.6	118.1
45-64 YEARS.....	4,127	27.3	196.9
45-54 YEARS.....	1,805	11.9	165.9
55-64 YEARS.....	2,322	15.3	230.4
65 YEARS AND OVER.....	4,268	28.2	427.4
65-74 YEARS.....	2,358	15.6	353.7
75 YEARS AND OVER.....	1,910	12.6	575.6
FEMALE			
ALL AGES.....	22,686	100.0	196.6
UNDER 15 YEARS.....	1,609	7.1	64.3
UNDER 1 YEAR.....	358	1.6	209.0
1-4 YEARS.....	458	2.0	72.6
5-14 YEARS.....	793	3.5	46.7

TABLE 1. NUMBER, PERCENT DISTRIBUTION, AND RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1980--CON.

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

SEX AND AGE	DISCHARGED PATIENTS		
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION
FEMALE--CON.			
15-44 YEARS.....	10,949	48.3	207.4
15-24 YEARS.....	4,152	18.3	198.8
25-34 YEARS.....	4,572	20.2	243.1
35-44 YEARS.....	2,225	9.8	169.7
45-64 YEARS.....	4,533	20.0	195.1
45-54 YEARS.....	2,170	9.6	185.1
55-64 YEARS.....	2,363	10.4	205.3
65 YEARS AND OVER.....	5,596	24.7	389.7
65-74 YEARS.....	2,585	11.4	297.2
75 YEARS AND OVER.....	3,011	13.3	531.8

TABLE 2. NUMBER, PERCENT DISTRIBUTION, AND RATE OF DAYS OF CARE, AVERAGE NUMBER OF HOSPITAL BEDS OCCUPIED DAILY, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1980

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

SEX AND AGE	DAYS OF CARE			1/ NUMBER OF HOSPITAL BEDS OCCUPIED DAILY	AVERAGE LENGTH OF STAY IN DAYS
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION		
BOTH SEXES					
ALL AGES.....	274,508	100.0	1,230.8	337.2	7.3
UNDER 15 YEARS.....	16,191	5.9	316.4	86.7	4.4
UNDER 1 YEAR.....	4,704	1.7	1,340.5	367.3	5.7
1-4 YEARS.....	4,297	1.6	332.7	91.2	3.9
5-14 YEARS.....	7,189	2.6	206.9	56.7	4.1
15-44 YEARS.....	81,951	29.9	793.1	217.3	5.2
15-24 YEARS.....	26,544	9.7	644.2	176.5	4.6
25-34 YEARS.....	31,386	11.4	855.5	234.4	5.0
35-44 YEARS.....	24,021	8.8	944.2	258.7	6.5
45-64 YEARS.....	71,008	25.9	1,607.0	440.3	8.2
45-54 YEARS.....	29,905	10.9	1,323.1	362.5	7.5
55-64 YEARS.....	41,103	15.0	1,904.1	521.7	8.8
65 YEARS AND OVER...	105,358	38.4	4,327.5	1,185.6	10.7
65-74 YEARS.....	49,253	17.9	3,205.6	878.2	10.0
75 YEARS AND OVER.....	56,105	20.4	6,247.0	1,711.5	11.4
MALE					
ALL AGES.....	116,267	100.0	1,080.3	296.0	7.7
UNDER 15 YEARS.....	8,950	7.7	342.3	93.8	4.3
UNDER 1 YEAR.....	2,533	2.2	1,410.5	386.4	5.4
1-4 YEARS.....	2,582	2.2	390.9	107.1	3.9
5-14 YEARS.....	3,834	3.3	216.1	59.2	4.1
15-44 YEARS.....	29,748	25.6	588.7	161.3	6.3
15-24 YEARS.....	9,499	8.2	467.6	128.1	6.0
25-34 YEARS.....	10,148	8.7	567.5	155.5	6.2
35-44 YEARS.....	10,101	8.7	819.0	224.4	6.9
45-64 YEARS.....	33,589	28.9	1,602.5	439.0	8.1
45-54 YEARS.....	13,686	11.8	1,258.0	344.7	7.6
55-64 YEARS.....	19,903	17.1	1,974.3	540.9	8.6
65 YEARS AND OVER...	43,981	37.8	4,404.7	1,206.8	10.3
65-74 YEARS.....	22,872	19.7	3,430.6	939.9	9.7
75 YEARS AND OVER.....	21,109	18.2	6,362.0	1,743.0	11.1

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

TABLE 2. NUMBER, PERCENT DISTRIBUTION, AND RATE OF DAYS OF CARE, AVERAGE NUMBER OF HOSPITAL BEDS OCCUPIED DAILY, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1980--CON.

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

SEX AND AGE	DAYS OF CARE			1/ NUMBER OF HOSPITAL BEDS OCCUPIED DAILY	AVERAGE LENGTH OF STAY IN DAYS
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION		
FEMALE					
ALL AGES.....	158,241	100.0	1,371.1	375.6	7.0
UNDER 15 YEARS.....	7,241	4.6	289.4	79.3	4.5
UNDER 1 YEAR.....	2,171	1.4	1,267.2	347.2	6.1
1-4 YEARS.....	1,715	1.1	271.8	74.5	3.7
5-14 YEARS.....	3,355	2.1	197.4	54.1	4.2
15-44 YEARS.....	52,204	33.0	988.7	270.9	4.8
15-24 YEARS.....	17,045	10.8	816.1	223.6	4.1
25-34 YEARS.....	21,238	13.4	1,129.5	309.5	4.6
35-44 YEARS.....	13,921	8.8	1,061.9	290.9	6.3
45-64 YEARS.....	37,420	23.6	1,611.0	441.4	8.3
45-54 YEARS.....	16,219	10.2	1,383.5	379.1	7.5
55-64 YEARS.....	21,200	13.4	1,842.7	504.8	9.0
65 YEARS AND OVER...	61,377	38.8	4,273.9	1,170.9	11.0
65-74 YEARS.....	26,381	16.7	3,032.7	830.9	10.2
75 YEARS AND OVER.....	34,996	22.1	6,180.8	1,693.4	11.6

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



TABLE 3. NUMBER AND PERCENT DISTRIBUTION OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY AGE AND LENGTH OF STAY, ACCORDING TO SEX: UNITED STATES, 1980

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

AGE AND LENGTH OF STAY	BOTH SEXES	MALE	FEMALE INCLUD- ING DELIV- ERIES	FEMALE EXCLUD- ING DELIV- ERIES	BOTH SEXES	MALE	FEMALE INCLUD- ING DELIV- ERIES	FEMALE EXCLUD- ING DELIV- ERIES	
		NUMBER OF DISCHARGED PATIENTS IN THOUSANDS				PERCENT DISTRIBUTION			
ALL AGES									
ALL STAYS.....	37,832	15,145	22,686	18,924	100.0	100.0	100.0	100.0	
LESS THAN 1 DAY.....	1,082	402	680	657	2.9	2.7	3.0	3.5	
1 DAY.....	3,160	1,286	1,873	1,657	8.4	8.5	8.3	8.8	
2 DAYS.....	5,642	2,223	3,420	2,673	14.9	14.7	15.1	14.1	
3 DAYS.....	5,126	1,841	3,285	2,080	13.6	12.2	14.5	11.0	
4 DAYS.....	3,973	1,552	2,421	1,730	10.5	10.2	10.7	9.1	
5-6 DAYS.....	5,564	2,193	3,371	2,779	14.7	14.5	14.9	14.7	
7-8 DAYS.....	3,831	1,478	2,353	2,155	10.1	9.8	10.4	11.4	
9-10 DAYS.....	2,417	1,022	1,395	1,359	6.4	6.7	6.1	7.2	
11-20 DAYS.....	4,887	2,164	2,722	2,682	12.9	14.3	12.0	14.2	
21-30 DAYS.....	1,251	581	671	664	3.3	3.8	3.0	3.5	
31 DAYS OR MORE.....	899	403	496	489	2.4	2.7	2.2	2.6	
UNDER 15 YEARS									
ALL STAYS.....	3,672	2,063	1,609	1,593	100.0	100.0	100.0	100.0	
LESS THAN 1 DAY.....	176	105	71	71	4.8	5.1	4.4	4.5	
1 DAY.....	676	375	302	301	18.4	18.2	18.7	18.9	
2 DAYS.....	893	504	388	385	24.3	24.4	24.1	24.2	
3 DAYS.....	531	293	238	233	14.5	14.2	14.8	14.6	
4 DAYS.....	410	238	173	172	11.2	11.5	10.7	10.8	
5-6 DAYS.....	433	247	186	184	11.8	12.0	11.6	11.5	
7-8 DAYS.....	207	110	97	95	5.6	5.3	6.0	6.0	
9-10 DAYS.....	103	58	45	45	2.8	2.8	2.8	2.8	
11-20 DAYS.....	164	90	74	73	4.5	4.3	4.6	4.6	
21-30 DAYS.....	41	22	19	19	1.1	1.1	1.2	1.2	
31 DAYS OR MORE.....	38	21	16	16	1.0	1.0	1.0	1.0	
15-44 YEARS									
ALL STAYS.....	15,635	4,687	10,949	7,207	100.0	100.0	100.0	100.0	
LESS THAN 1 DAY.....	618	159	458	435	4.0	3.4	4.2	6.0	
1 DAY.....	1,668	502	1,165	950	10.7	10.7	10.6	13.2	
2 DAYS.....	2,926	838	2,088	1,345	18.7	17.9	19.1	18.7	
3 DAYS.....	2,789	687	2,102	902	17.8	14.7	19.2	12.5	
4 DAYS.....	1,902	530	1,372	683	12.2	11.3	12.5	9.5	
5-6 DAYS.....	2,411	708	1,703	1,115	15.4	15.1	15.6	15.5	
7-8 DAYS.....	1,303	386	917	721	8.3	8.2	8.4	10.0	
9-10 DAYS.....	620	230	390	356	4.0	4.9	3.6	4.9	
11-20 DAYS.....	973	421	552	513	6.2	9.0	5.0	7.1	
21-30 DAYS.....	242	126	116	109	1.6	2.7	1.1	1.5	
31 DAYS OR MORE.....	183	99	85	79	1.2	2.1	0.8	1.1	

TABLE 3. NUMBER AND PERCENT DISTRIBUTION OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY AGE AND LENGTH OF STAY, ACCORDING TO SEX: UNITED STATES, 1980--CON.

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

AGE AND LENGTH OF STAY	BOTH SEXES	MALE	FEMALE	FEMALE	BOTH SEXES	MALE	FEMALE	FEMALE	
			INCLUD- ING DELIV- ERIES	EXCLUD- ING DELIV- ERIES			INCLUD- ING DELIV- ERIES	EXCLUD- ING DELIV- ERIES	
		NUMBER OF DISCHARGED PATIENTS IN THOUSANDS				PERCENT DISTRIBUTION			
45-64 YEARS									
ALL STAYS.....	8,660	4,127	4,533	4,528	100.0	100.0	100.0	100.0	
LESS THAN 1 DAY.....	167	78	89	89	1.9	1.9	2.0	2.0	
1 DAY.....	492	253	239	239	5.7	6.1	5.3	5.3	
2 DAYS.....	1,072	524	548	547	12.4	12.7	12.1	12.1	
3 DAYS.....	951	474	477	476	11.0	11.5	10.5	10.5	
4 DAYS.....	839	419	420	419	9.7	10.2	9.3	9.3	
5-6 DAYS.....	1,325	623	702	702	15.3	15.1	15.5	15.5	
7-8 DAYS.....	1,082	468	614	613	12.5	11.3	13.5	13.5	
9-10 DAYS.....	773	348	424	424	8.9	8.4	9.4	9.4	
11-20 DAYS.....	1,404	669	735	735	16.2	16.2	16.2	16.2	
21-30 DAYS.....	332	169	163	163	3.8	4.1	3.6	3.6	
31 DAYS OR MORE.....	223	102	121	121	2.6	2.5	2.7	2.7	
65 YEARS AND OVER									
ALL STAYS.....	9,864	4,268	5,596	5,596	100.0	100.0	100.0	100.0	
LESS THAN 1 DAY.....	121	59	61	61	1.2	1.4	1.1	1.1	
1 DAY.....	323	156	167	167	3.3	3.7	3.0	3.0	
2 DAYS.....	752	356	396	396	7.6	8.3	7.1	7.1	
3 DAYS.....	855	386	469	469	8.7	9.1	8.4	8.4	
4 DAYS.....	821	365	456	456	8.3	8.6	8.2	8.2	
5-6 DAYS.....	1,395	616	779	779	14.1	14.4	13.9	13.9	
7-8 DAYS.....	1,240	514	726	726	12.6	12.0	13.0	13.0	
9-10 DAYS.....	920	384	536	536	9.3	9.0	9.6	9.6	
11-20 DAYS.....	2,346	985	1,361	1,361	23.8	23.1	24.3	24.3	
21-30 DAYS.....	636	264	372	372	6.4	6.2	6.7	6.7	
31 DAYS OR MORE.....	455	181	274	274	4.6	4.2	4.9	4.9	

TABLE 4. NUMBER AND PERCENT DISTRIBUTION OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY RACE AND AGE OF PATIENT, ACCORDING TO SEX: UNITED STATES, 1980

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

RACE AND AGE	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS				PERCENT DISTRIBUTION			
	BOTH SEXES	MALE	FEMALE INCLUD- ING DELIV- ERIES	FEMALE EXCLUD- ING DELIV- ERIES	BOTH SEXES	MALE	FEMALE INCLUD- ING DELIV- ERIES	FEMALE EXCLUD- ING DELIV- ERIES
<b>TOTAL</b>								
ALL AGES.....	37,832	15,145	22,686	18,924	100.0	100.0	100.0	100.0
UNDER 15 YEARS.....	3,672	2,063	1,609	1,593	9.7	13.6	7.1	8.4
15-44 YEARS.....	15,635	4,687	10,949	7,207	41.3	30.9	48.3	38.1
45-64 YEARS.....	8,660	4,127	4,533	4,528	22.9	27.3	20.0	23.9
65 YEARS AND OVER..	9,864	4,268	5,596	5,596	26.1	28.2	24.7	29.6
<b>WHITE</b>								
ALL AGES.....	28,484	11,513	16,971	14,338	100.0	100.0	100.0	100.0
UNDER 15 YEARS.....	2,653	1,477	1,176	1,169	9.3	12.8	6.9	8.2
15-44 YEARS.....	11,210	3,414	7,796	5,173	39.4	29.7	45.9	36.1
45-64 YEARS.....	6,727	3,210	3,517	3,514	23.6	27.9	20.7	24.5
65 YEARS AND OVER..	7,894	3,411	4,483	4,483	27.7	29.6	26.4	31.3
<b>ALL OTHER</b>								
ALL AGES.....	4,879	1,813	3,066	2,403	100.0	100.0	100.0	100.0
UNDER 15 YEARS.....	600	348	252	243	12.3	19.2	8.2	10.1
15-44 YEARS.....	2,536	684	1,852	1,199	52.0	37.7	60.4	49.9
45-64 YEARS.....	937	429	508	507	19.2	23.7	16.6	21.1
65 YEARS AND OVER..	805	351	454	454	16.5	19.4	14.8	18.9
<b>RACE NOT STATED</b>								
ALL AGES.....	4,469	1,820	2,649	2,183	100.0	100.0	100.0	100.0
UNDER 15 YEARS.....	*420	*237	*182	*181	*9.4	*13.0	*6.9	*8.3
15-44 YEARS.....	1,889	589	1,300	835	42.3	32.4	49.1	38.3
45-64 YEARS.....	996	*488	*508	*507	22.3	*26.8	*19.2	*23.2
65 YEARS AND OVER..	1,164	*505	659	659	26.0	*27.8	24.9	30.2

TABLE 5. NUMBER AND PERCENT DISTRIBUTION OF DAYS OF CARE FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY RACE AND AGE OF PATIENT, ACCORDING TO SEX: UNITED STATES, 1980

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

RACE AND AGE	BOTH SEXES	MALE	FEMALE	FEMALE	BOTH SEXES	MALE	FEMALE	FEMALE
			INCLUD- ING DELIV- ERIES	EXCLUD- ING DELIV- ERIES			INCLUD- ING DELIV- ERIES	EXCLUD- ING DELIV- ERIES
	NUMBER OF DAYS OF CARE IN THOUSANDS				PERCENT DISTRIBUTION			
TOTAL								
ALL AGES.....	274,508	116,267	158,241	144,084	100.0	100.0	100.0	100.0
UNDER 15 YEARS.....	16,191	8,950	7,241	7,106	5.9	7.7	4.6	4.9
15-44 YEARS.....	81,951	29,748	52,204	38,204	29.9	25.6	33.0	26.5
45-64 YEARS.....	71,008	33,589	37,420	37,397	25.9	28.9	23.6	26.0
65 YEARS AND OVER.....	105,358	43,981	61,377	61,377	38.4	37.8	38.8	42.6
WHITE								
ALL AGES.....	206,921	87,837	119,084	109,263	100.0	100.0	100.0	100.0
UNDER 15 YEARS.....	11,421	6,277	5,144	5,052	5.5	7.1	4.3	4.6
15-44 YEARS.....	58,114	21,170	36,945	27,227	28.1	24.1	31.0	24.9
45-64 YEARS.....	54,077	25,714	28,363	28,350	26.1	29.3	23.8	25.9
65 YEARS AND OVER.....	83,309	34,676	48,633	48,633	40.3	39.5	40.8	44.5
ALL OTHER								
ALL AGES.....	36,570	15,047	21,524	18,929	100.0	100.0	100.0	100.0
UNDER 15 YEARS.....	3,015	1,720	1,296	1,254	8.2	11.4	6.0	6.6
15-44 YEARS.....	14,252	4,875	9,377	6,829	39.0	32.4	43.6	36.1
45-64 YEARS.....	9,331	4,196	5,135	5,131	25.5	27.9	23.9	27.1
65 YEARS AND OVER.....	9,972	4,257	5,715	5,715	27.3	28.3	26.6	30.2
RACE NOT STATED								
ALL AGES.....	31,017	13,384	17,633	15,892	100.0	100.0	100.0	100.0
UNDER 15 YEARS.....	1,754	953	802	799	5.7	7.1	4.5	5.0
15-44 YEARS.....	9,585	3,703	5,882	4,148	30.9	27.7	33.4	26.1
45-64 YEARS.....	7,600	3,679	3,921	3,916	24.5	27.5	22.2	24.6
65 YEARS AND OVER.....	12,077	5,049	7,029	7,029	38.9	37.7	39.9	44.2

TABLE 6. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY RACE, AGE, AND SEX: UNITED STATES, 1980

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

RACE AND AGE	BOTH SEXES	MALE	FEMALE INCLUDING DELIVERIES	FEMALE EXCLUDING DELIVERIES
TOTAL		AVERAGE LENGTH OF STAY IN DAYS		
ALL AGES.....	7.3	7.7	7.0	7.6
UNDER 15 YEARS.....	4.4	4.3	4.5	4.5
15-44 YEARS.....	5.2	6.3	4.8	5.3
45-64 YEARS.....	8.2	8.1	8.3	8.3
65 YEARS AND OVER.....	10.7	10.3	11.0	11.0
WHITE				
ALL AGES.....	7.3	7.6	7.0	7.6
UNDER 15 YEARS.....	4.3	4.2	4.4	4.3
15-44 YEARS.....	5.2	6.2	4.7	5.3
45-64 YEARS.....	8.0	8.0	8.1	8.1
65 YEARS AND OVER.....	10.6	10.2	10.8	10.8
ALL OTHER				
ALL AGES.....	7.5	8.3	7.0	7.9
UNDER 15 YEARS.....	5.0	4.9	5.1	5.2
15-44 YEARS.....	5.6	7.1	5.1	5.7
45-64 YEARS.....	10.0	9.8	10.1	10.1
65 YEARS AND OVER.....	12.4	12.1	12.6	12.6
RACE NOT STATED				
ALL AGES.....	6.9	7.4	6.7	7.3
UNDER 15 YEARS.....	*4.2	*4.0	*4.4	*4.4
15-44 YEARS.....	5.1	6.3	4.5	5.0
45-64 YEARS.....	7.6	*7.5	*7.7	*7.7
65 YEARS AND OVER.....	10.4	*10.0	10.7	10.7

TABLE 7. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND DAYS OF CARE, BY SEX, AGE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1980

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

SEX, AGE, AND REGION	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS				NUMBER OF DAYS OF CARE IN THOUSANDS			
	ALL SIZES	6-99 BEDS	100-499 BEDS	500 BEDS OR MORE	ALL SIZES	6-99 BEDS	100-499 BEDS	500 BEDS OR MORE
<b>BOTH SEXES</b>								
UNITED STATES.....	37,832	7,512	22,005	8,315	274,508	45,237	160,822	68,450
UNDER 15 YEARS.....	3,672	780	2,126	767	16,191	2,892	8,869	4,430
15-44 YEARS.....	15,635	2,874	9,058	3,703	81,951	12,758	46,726	22,467
45-64 YEARS.....	8,660	1,647	5,024	1,989	71,008	10,857	40,843	19,307
65 YEARS AND OVER.....	9,864	2,210	5,797	1,857	105,358	18,729	64,383	22,246
<b>NORTHEAST.....</b>	<b>7,868</b>	<b>781</b>	<b>5,187</b>	<b>1,901</b>	<b>67,238</b>	<b>6,034</b>	<b>44,237</b>	<b>16,967</b>
UNDER 15 YEARS.....	700	39	471	190	3,196	138	2,025	1,033
15-44 YEARS.....	3,107	308	1,975	823	17,592	1,745	10,992	4,854
45-64 YEARS.....	1,886	214	1,231	442	17,784	1,756	11,366	4,662
65 YEARS AND OVER.....	2,176	220	1,509	446	28,666	2,394	19,853	6,419
<b>NORTH CENTRAL.....</b>	<b>10,878</b>	<b>1,418</b>	<b>6,320</b>	<b>3,139</b>	<b>82,000</b>	<b>9,323</b>	<b>46,197</b>	<b>26,481</b>
UNDER 15 YEARS.....	1,105	129	704	272	5,014	451	2,851	1,712
15-44 YEARS.....	4,465	510	2,583	1,373	25,142	2,576	13,939	8,627
45-64 YEARS.....	2,488	314	1,412	761	21,286	2,189	11,417	7,680
65 YEARS AND OVER.....	2,820	465	1,621	734	30,559	4,107	17,990	8,462
<b>SOUTH.....</b>	<b>12,983</b>	<b>3,879</b>	<b>6,403</b>	<b>2,701</b>	<b>88,216</b>	<b>23,163</b>	<b>44,078</b>	<b>20,975</b>
UNDER 15 YEARS.....	1,387	486	659	242	6,072	1,992	2,750	1,329
15-44 YEARS.....	5,416	1,455	2,722	1,240	27,154	6,384	13,198	7,572
45-64 YEARS.....	2,883	803	1,420	659	22,325	5,208	11,263	5,855
65 YEARS AND OVER.....	3,297	1,135	1,602	560	32,665	9,579	16,867	6,219
<b>WEST.....</b>	<b>6,103</b>	<b>1,433</b>	<b>4,095</b>	<b>574</b>	<b>37,054</b>	<b>6,717</b>	<b>26,310</b>	<b>4,027</b>
UNDER 15 YEARS.....	480	125	292	64	1,909	311	1,241	356
15-44 YEARS.....	2,647	601	1,778	268	12,065	2,053	8,597	1,414
45-64 YEARS.....	1,403	316	961	126	9,613	1,704	6,798	1,111
65 YEARS AND OVER.....	1,572	391	1,064	116	13,469	2,648	9,673	1,147
<b>MALE</b>								
UNITED STATES.....	15,145	3,075	8,783	3,288	116,267	19,005	67,354	29,909
UNDER 15 YEARS.....	2,063	433	1,205	425	8,950	1,621	4,958	2,370
15-44 YEARS.....	4,687	955	2,679	1,054	29,748	4,800	16,732	8,216
45-64 YEARS.....	4,127	755	2,402	970	33,589	5,068	19,052	9,468
65 YEARS AND OVER.....	4,268	932	2,497	840	43,981	7,515	26,611	9,855
<b>NORTHEAST.....</b>	<b>3,244</b>	<b>385</b>	<b>2,106</b>	<b>754</b>	<b>29,167</b>	<b>2,911</b>	<b>18,599</b>	<b>7,657</b>
UNDER 15 YEARS.....	404	23	272	109	1,782	84	1,128	570
15-44 YEARS.....	951	149	589	214	6,778	948	4,040	1,791
45-64 YEARS.....	947	122	600	225	8,874	999	5,382	2,493
65 YEARS AND OVER.....	942	91	645	206	11,733	881	8,049	2,803

TABLE 7. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND DAYS OF CARE, BY SEX, AGE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1980--CON.

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

SEX, AGE, AND REGION	ALL SIZES	6-99 BEDS	100-499 BEDS	500 BEDS OR MORE	ALL SIZES	6-99 BEDS	100-499 BEDS	500 BEDS OR MORE
<b>MALE--CON.</b>								
NUMBER OF PATIENTS DISCHARGED IN THOUSANDS				NUMBER OF DAYS OF CARE IN THOUSANDS				
NORTH CENTRAL.....	4,355	566	2,540	1,248	34,376	3,907	19,098	11,371
UNDER 15 YEARS.....	607	70	388	149	2,719	251	1,578	890
15-44 YEARS.....	1,354	164	797	393	9,094	1,009	5,003	3,082
45-64 YEARS.....	1,184	134	674	376	9,829	946	5,151	3,731
65 YEARS AND OVER.....	1,210	200	681	330	12,734	1,701	7,366	3,668
SOUTH.....	5,051	1,571	2,432	1,048	36,420	9,395	17,952	9,073
UNDER 15 YEARS.....	772	274	370	128	3,357	1,133	1,508	716
15-44 YEARS.....	1,544	466	714	364	9,129	2,136	4,199	2,793
45-64 YEARS.....	1,323	361	655	306	10,204	2,295	5,178	2,730
65 YEARS AND OVER.....	1,412	470	693	249	13,730	3,831	7,066	2,833
WEST.....	2,495	553	1,704	239	16,304	2,791	11,705	1,808
UNDER 15 YEARS.....	280	66	176	38	1,091	153	745	194
15-44 YEARS.....	838	177	579	83	4,747	708	3,490	550
45-64 YEARS.....	674	139	473	62	4,682	828	3,340	513
65 YEARS AND OVER.....	704	171	477	55	5,784	1,102	4,131	551
<b>FEMALE INCLUDING DELIVERIES</b>								
UNITED STATES.....	22,686	4,437	13,222	5,028	158,241	26,232	93,468	38,541
UNDER 15 YEARS.....	1,609	347	920	342	7,241	1,271	3,910	2,059
15-44 YEARS.....	10,949	1,920	6,379	2,650	52,204	7,957	29,995	14,251
45-64 YEARS.....	4,533	892	2,622	1,019	37,420	5,789	21,791	9,839
65 YEARS AND OVER.....	5,596	1,279	3,300	1,017	61,377	11,214	37,772	12,391
NORTHEAST.....	4,624	396	3,081	1,147	38,071	3,122	25,638	9,311
UNDER 15 YEARS.....	296	16	199	80	1,414	54	898	463
15-44 YEARS.....	2,155	159	1,387	609	10,814	797	6,953	3,064
45-64 YEARS.....	939	92	631	217	8,910	758	5,984	2,168
65 YEARS AND OVER.....	1,234	129	864	241	16,933	1,513	11,804	3,616
NORTH CENTRAL.....	6,523	852	3,780	1,892	47,624	5,416	27,099	15,109
UNDER 15 YEARS.....	498	60	316	123	2,295	200	1,274	822
15-44 YEARS.....	3,112	347	1,785	980	16,048	1,567	8,936	5,545
45-64 YEARS.....	1,304	181	738	385	11,457	1,243	6,265	3,949
65 YEARS AND OVER.....	1,609	265	940	404	17,824	2,406	10,624	4,794
SOUTH.....	7,932	2,308	3,971	1,653	51,796	13,768	26,126	11,902
UNDER 15 YEARS.....	615	211	289	114	2,715	859	1,242	613
15-44 YEARS.....	3,873	989	2,008	876	18,025	4,247	8,998	4,779
45-64 YEARS.....	1,560	442	765	353	12,122	2,913	6,084	3,124
65 YEARS AND OVER.....	1,885	665	909	311	18,935	5,748	9,801	3,386

TABLE 7. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND DAYS OF CARE, BY SEX, AGE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1980--CON.

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

SEX, AGE, AND REGION	ALL SIZES	6-99 BEDS	100-499 BEDS	500 BEDS OR MORE	ALL SIZES	6-99 BEDS	100-499 BEDS	500 BEDS OR MORE	
FEMALE INCLUDING DELIVERIES--CON.		NUMBER OF PATIENTS DISCHARGED IN THOUSANDS				NUMBER OF DAYS OF CARE IN THOUSANDS			
WEST.....	3,607	881	2,391	335	20,750	3,926	14,605	2,220	
UNDER 15 YEARS.....	201	59	116	25	817	159	497	162	
15-44 YEARS.....	1,809	424	1,200	185	7,318	1,346	5,108	864	
45-64 YEARS.....	730	178	488	64	4,931	876	3,458	598	
65 YEARS AND OVER.....	868	219	587	61	7,685	1,546	5,543	596	
FEMALE EXCLUDING DELIVERIES									
UNITED STATES.....	18,924	3,875	11,012	4,038	144,084	24,525	85,239	34,320	
UNDER 15 YEARS.....	1,593	344	911	337	7,106	1,264	3,869	1,973	
15-44 YEARS.....	7,207	1,360	4,181	1,666	38,204	6,261	21,820	10,123	
45-64 YEARS.....	4,528	891	2,619	1,017	37,397	5,786	21,778	9,833	
65 YEARS AND OVER.....	5,596	1,279	3,300	1,017	61,377	11,214	37,772	12,391	
NORTHEAST.....	3,907	351	2,600	955	34,843	2,933	23,519	8,391	
UNDER 15 YEARS.....	293	16	197	79	1,400	54	890	456	
15-44 YEARS.....	1,442	115	909	419	7,609	611	4,847	2,152	
45-64 YEARS.....	938	91	630	216	8,901	755	5,979	2,167	
65 YEARS AND OVER.....	1,234	129	864	241	16,933	1,513	11,804	3,616	
NORTH CENTRAL.....	5,495	765	3,206	1,524	43,305	5,089	24,804	13,411	
UNDER 15 YEARS.....	494	60	313	121	2,206	199	1,256	750	
15-44 YEARS.....	2,089	260	1,215	614	11,821	1,241	6,660	3,920	
45-64 YEARS.....	1,303	181	738	385	11,453	1,242	6,264	3,947	
65 YEARS AND OVER.....	1,609	265	940	404	17,824	2,406	10,624	4,794	
SOUTH.....	6,625	2,049	3,265	1,311	47,234	12,974	23,674	10,586	
UNDER 15 YEARS.....	607	209	286	112	2,686	852	1,229	605	
15-44 YEARS.....	2,575	732	1,306	537	13,498	3,461	6,564	3,473	
45-64 YEARS.....	1,558	442	764	352	12,114	2,913	6,079	3,122	
65 YEARS AND OVER.....	1,885	665	909	311	18,935	5,748	9,801	3,386	
WEST.....	2,898	710	1,941	247	18,702	3,528	13,242	1,933	
UNDER 15 YEARS.....	200	59	116	25	814	159	494	161	
15-44 YEARS.....	1,101	254	751	96	5,275	948	3,749	578	
45-64 YEARS.....	730	178	488	64	4,928	876	3,455	598	
65 YEARS AND OVER.....	868	219	587	61	7,685	1,546	5,543	596	



TABLE 8. RATES OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, BY GEOGRAPHIC REGION, AGE, AND SEX: UNITED STATES, 1980

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

REGION AND AGE	BOTH SEXES	MALE	FEMALE	FEMALE	BOTH SEXES	MALE	FEMALE	FEMALE	
			INCLUD- ING DELIV- ERIES	EXCLUD- ING DELIV- ERIES			INCLUD- ING DELIV- ERIES	EXCLUD- ING DELIV- ERIES	
UNITED STATES		RATE OF DISCHARGES PER 1,000 POPULATION				RATE OF DAYS OF CARE PER 1,000 POPULATION			
ALL AGES.....	169.6	140.7	196.6	164.0	1,230.8	1,080.3	1,371.1	1,248.4	
UNDER 15 YEARS.....	71.8	78.9	64.3	63.7	316.4	342.3	289.4	284.0	
15-44 YEARS.....	151.3	92.7	207.4	136.5	793.1	588.7	988.7	723.6	
45-64 YEARS.....	196.0	196.9	195.1	194.9	1,607.0	1,602.5	1,611.0	1,610.0	
65 YEARS AND OVER.....	405.2	427.4	389.7	389.7	4,327.5	4,404.7	4,273.9	4,273.9	
NORTHEAST									
ALL AGES.....	162.3	140.3	182.4	154.1	1,387.3	1,261.4	1,502.1	1,374.8	
UNDER 15 YEARS.....	67.8	76.6	58.5	57.9	309.3	337.5	279.8	276.9	
15-44 YEARS.....	141.6	89.2	191.0	127.8	801.7	636.0	958.2	674.2	
45-64 YEARS.....	180.8	193.3	169.7	169.4	1,704.6	1,811.4	1,610.0	1,608.4	
65 YEARS AND OVER.....	377.7	411.6	355.4	355.4	4,976.7	5,127.9	4,877.1	4,877.1	
NORTH CENTRAL									
ALL AGES.....	187.4	154.6	218.3	183.9	1,412.5	1,220.2	1,593.8	1,449.2	
UNDER 15 YEARS.....	81.5	87.5	75.3	74.5	369.8	392.1	346.5	333.1	
15-44 YEARS.....	166.5	102.4	228.7	153.5	937.3	688.2	1,179.3	868.7	
45-64 YEARS.....	218.6	217.3	219.7	219.6	1,870.1	1,804.4	1,930.4	1,929.8	
65 YEARS AND OVER.....	448.3	470.2	433.2	433.2	4,859.1	4,947.3	4,797.9	4,797.9	
SOUTH									
ALL AGES.....	175.3	142.1	205.9	172.0	1,191.0	1,024.6	1,344.6	1,226.2	
UNDER 15 YEARS.....	79.5	86.7	72.0	71.1	348.2	377.0	318.2	314.8	
15-44 YEARS.....	158.9	93.4	220.5	146.6	796.5	552.2	1,026.4	768.6	
45-64 YEARS.....	200.8	196.3	204.7	204.5	1,554.9	1,513.9	1,591.2	1,590.2	
65 YEARS AND OVER.....	403.1	418.8	392.1	392.1	3,994.2	4,073.0	3,939.0	3,939.0	
WEST									
ALL AGES.....	143.8	120.1	166.5	133.8	873.0	784.5	957.8	863.3	
UNDER 15 YEARS.....	48.8	55.6	41.7	41.5	194.0	217.1	169.8	169.1	
15-44 YEARS.....	129.3	82.8	174.9	106.4	589.3	468.6	707.5	510.0	
45-64 YEARS.....	175.1	173.9	176.3	176.2	1,199.5	1,208.5	1,190.7	1,190.1	
65 YEARS AND OVER.....	381.6	401.9	366.5	366.5	3,269.8	3,303.1	3,245.3	3,245.3	

TABLE 9. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY GEOGRAPHIC REGION, AGE, AND SEX: UNITED STATES, 1980

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

REGION AND AGE	BOTH SEXES	MALE	FEMALE INCLUDING DELIVERIES	FEMALE EXCLUDING DELIVERIES
UNITED STATES				
AVERAGE LENGTH OF STAY IN DAYS				
ALL AGES.....	7.3	7.7	7.0	7.6
UNDER 15 YEARS.....	4.4	4.3	4.5	4.5
15-44 YEARS.....	5.2	6.3	4.8	5.3
45-64 YEARS.....	8.2	8.1	8.3	8.3
65 YEARS AND OVER.....	10.7	10.3	11.0	11.0
NORTHEAST				
ALL AGES.....	8.5	9.0	8.2	8.9
UNDER 15 YEARS.....	4.6	4.4	4.8	4.8
15-44 YEARS.....	5.7	7.1	5.0	5.3
45-64 YEARS.....	9.4	9.4	9.5	9.5
65 YEARS AND OVER.....	13.2	12.5	13.7	13.7
NORTH CENTRAL				
ALL AGES.....	7.5	7.9	7.3	7.9
UNDER 15 YEARS.....	4.5	4.5	4.6	4.5
15-44 YEARS.....	5.6	6.7	5.2	5.7
45-64 YEARS.....	8.6	8.3	8.8	8.8
65 YEARS AND OVER.....	10.8	10.5	11.1	11.1
SOUTH				
ALL AGES.....	6.8	7.2	6.5	7.1
UNDER 15 YEARS.....	4.4	4.3	4.4	4.4
15-44 YEARS.....	5.0	5.9	4.7	5.2
45-64 YEARS.....	7.7	7.7	7.8	7.8
65 YEARS AND OVER.....	9.9	9.7	10.0	10.0
WEST				
ALL AGES.....	6.1	6.5	5.8	6.5
UNDER 15 YEARS.....	4.0	3.9	4.1	4.1
15-44 YEARS.....	4.6	5.7	4.0	4.8
45-64 YEARS.....	6.8	7.0	6.8	6.8
65 YEARS AND OVER.....	8.6	8.2	8.9	8.9

TABLE 10. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX, AGE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1980

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

SEX AND AGE	TOTAL	NORTHEAST			NORTH CENTRAL			SOUTH			WEST		
		6-99 BEDS	100- 499 BEDS	500 BEDS OR MORE	6-99 BEDS	100- 499 BEDS	500 BEDS OR MORE	6-99 BEDS	100- 499 BEDS	500 BEDS OR MORE	6-99 BEDS	100- 499 BEDS	500 BEDS OR MORE
BOTH SEXES		AVERAGE LENGTH OF STAY IN DAYS											
ALL AGES.....	7.3	7.7	8.5	8.9	6.6	7.3	8.4	6.0	6.9	7.8	4.7	6.4	7.0
UNDER 15 YEARS...	4.4	3.5	4.3	5.4	3.5	4.1	6.3	4.1	4.2	5.5	2.5	4.3	5.6
15-44 YEARS.....	5.2	5.7	5.6	5.9	5.0	5.4	6.3	4.4	4.8	6.1	3.4	4.8	5.3
45-64 YEARS.....	8.2	8.2	9.2	10.6	7.0	8.1	10.1	6.5	7.9	8.9	5.4	7.1	8.8
65+ YEARS.....	10.7	10.9	13.2	14.4	8.8	11.1	11.5	8.4	10.5	11.1	6.8	9.1	9.9
MALE													
ALL AGES.....	7.7	7.6	8.8	10.2	6.9	7.5	9.1	6.0	7.4	8.7	5.1	6.9	7.6
UNDER 15 YEARS...	4.3	3.6	4.1	5.2	3.6	4.1	6.0	4.1	4.1	5.6	2.3	4.2	5.1
15-44 YEARS.....	6.3	6.4	6.9	8.4	6.2	6.3	7.8	4.6	5.9	7.7	4.0	6.0	6.6
45-64 YEARS.....	8.1	8.2	9.0	11.1	7.1	7.6	9.9	6.4	7.9	8.9	6.0	7.1	8.3
65+ YEARS.....	10.3	9.7	12.5	13.6	8.5	10.8	11.1	8.2	10.2	11.4	6.4	8.7	10.0
FEMALE INCLUD- ING DELIVERIES													
ALL AGES.....	7.0	7.9	8.3	8.1	6.4	7.2	8.0	6.0	6.6	7.2	4.5	6.1	6.6
UNDER 15 YEARS...	4.5	3.3	4.5	5.8	3.3	4.0	6.7	4.1	4.3	5.4	2.7	4.3	6.4
15-44 YEARS.....	4.8	5.0	5.0	5.0	4.5	5.0	5.7	4.3	4.5	5.5	3.2	4.3	4.7
45-64 YEARS.....	8.3	8.3	9.5	10.0	6.9	8.5	10.3	6.6	8.0	8.9	4.9	7.1	9.3
65+ YEARS.....	11.0	11.7	13.7	15.0	9.1	11.3	11.9	8.6	10.8	10.9	7.0	9.4	9.7
FEMALE EXCLUD- ING DELIVERIES													
ALL AGES.....	7.6	8.4	9.0	8.8	6.7	7.7	8.8	6.3	7.3	8.1	5.0	6.8	7.8
UNDER 15 YEARS...	4.5	3.3	4.5	5.7	3.3	4.0	6.2	4.1	4.3	5.4	2.7	4.3	6.5
15-44 YEARS.....	5.3	5.3	5.3	5.1	4.8	5.5	6.4	4.7	5.0	6.5	3.7	5.0	6.0
45-64 YEARS.....	8.3	8.3	9.5	10.0	6.9	8.5	10.3	6.6	8.0	8.9	4.9	7.1	9.3
65+ YEARS.....	11.0	11.7	13.7	15.0	9.1	11.3	11.9	8.6	10.8	10.9	7.0	9.4	9.7

TABLE 11. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND DAYS OF CARE, BY TYPE OF OWNERSHIP OF HOSPITAL AND AGE AND SEX OF PATIENT: UNITED STATES, 1980

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

TYPE OF OWNERSHIP AND AGE	BOTH SEXES	MALE	FEMALE	FEMALE	BOTH SEXES	MALE	FEMALE	FEMALE
			INCLUD- ING DELIV- ERIES	EXCLUD- ING DELIV- ERIES			INCLUD- ING DELIV- ERIES	EXCLUD- ING DELIV- ERIES
	NUMBER OF DISCHARGED PATIENTS IN THOUSANDS				NUMBER OF DAYS OF CARE IN THOUSANDS			
ALL TYPES								
ALL AGES.....	37,832	15,145	22,686	18,924	274,508	116,267	158,241	144,084
UNDER 15 YEARS.....	3,672	2,063	1,609	1,593	16,191	8,950	7,241	7,106
15-44 YEARS.....	15,635	4,687	10,949	7,207	81,951	29,748	52,204	38,204
45-64 YEARS.....	8,660	4,127	4,533	4,528	71,008	33,589	37,420	37,397
65 YEARS AND OVER...	9,864	4,268	5,596	5,596	105,358	43,981	61,377	61,377
VOLUNTARY NONPROFIT								
ALL AGES.....	27,148	10,763	16,385	13,641	202,510	85,437	117,074	106,433
UNDER 15 YEARS.....	2,644	1,476	1,168	1,158	11,818	6,547	5,271	5,155
15-44 YEARS.....	10,962	3,156	7,806	5,076	57,619	20,230	37,389	26,881
45-64 YEARS.....	6,298	2,974	3,325	3,321	52,712	24,747	27,965	27,948
65 YEARS AND OVER...	7,243	3,157	4,086	4,086	80,361	33,912	46,449	46,449
GOVERNMENT								
ALL AGES.....	7,773	3,201	4,571	3,674	50,945	22,223	28,722	25,600
UNDER 15 YEARS.....	845	488	357	351	3,760	2,091	1,669	1,650
15-44 YEARS.....	3,481	1,101	2,379	1,490	17,547	6,761	10,786	7,689
45-64 YEARS.....	1,635	810	825	824	12,615	6,188	6,428	6,422
65 YEARS AND OVER...	1,812	802	1,010	1,010	17,022	7,183	9,839	9,839
PROPRIETARY								
ALL AGES.....	2,911	1,181	1,730	1,608	21,053	8,607	12,446	12,051
UNDER 15 YEARS.....	184	99	84	84	612	311	301	301
15-44 YEARS.....	1,193	429	763	642	6,785	2,757	4,028	3,634
45-64 YEARS.....	726	344	382	382	5,681	2,654	3,027	3,027
65 YEARS AND OVER...	809	309	500	500	7,975	2,886	5,089	5,089

TABLE 12. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY TYPE OF OWNERSHIP OF HOSPITAL, AGE OF PATIENT, AND SEX: UNITED STATES, 1980

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

TYPE OF OWNERSHIP AND AGE	BOTH SEXES	MALE	FEMALE INCLUDING DELIVERIES	FEMALE EXCLUDING DELIVERIES
ALL TYPES		AVERAGE LENGTH OF STAY IN DAYS		
ALL AGES.....	7.3	7.7	7.0	7.6
UNDER 15 YEARS.....	4.4	4.3	4.5	4.5
15-44 YEARS.....	5.2	6.3	4.8	5.3
45-64 YEARS.....	8.2	8.1	8.3	8.3
65 YEARS AND OVER.....	10.7	10.3	11.0	11.0
VOLUNTARY NONPROFIT				
ALL AGES.....	7.5	7.9	7.1	7.8
UNDER 15 YEARS.....	4.5	4.4	4.5	4.5
15-44 YEARS.....	5.3	6.4	4.8	5.3
45-64 YEARS.....	8.4	8.3	8.4	8.4
65 YEARS AND OVER.....	11.1	10.7	11.4	11.4
GOVERNMENT				
ALL AGES.....	6.6	6.9	6.3	7.0
UNDER 15 YEARS.....	4.5	4.3	4.7	4.7
15-44 YEARS.....	5.0	6.1	4.5	5.2
45-64 YEARS.....	7.7	7.6	7.8	7.8
65 YEARS AND OVER.....	9.4	9.0	9.7	9.7
PROPRIETARY				
ALL AGES.....	7.2	7.3	7.2	7.5
UNDER 15 YEARS.....	3.3	3.1	3.6	3.6
15-44 YEARS.....	5.7	6.4	5.3	5.7
45-64 YEARS.....	7.8	7.7	7.9	7.9
65 YEARS AND OVER.....	9.9	9.3	10.2	10.2

TABLE 13. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND AGE: UNITED STATES, 1980

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE		ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
		NUMBER OF PATIENTS DISCHARGED IN THOUSANDS				
01	ALL CONDITIONS.....	37,832	3,672	15,635	8,660	9,864
02	1. INFECTIOUS AND PARASITIC DISEASES.....001-139	649	190	250	88	122
03	2. NEOPLASMS.....140-239	2,476	74	471	897	1,035
04	MALIGNANT NEOPLASMS.....140-208	1,829	40	181	691	916
05	BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239	648	34	289	206	119
06	3. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,145	62	299	368	416
07	DIABETES MELLITUS.....250	645	21	137	245	242
08	4. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	336	71	93	56	115
09	5. MENTAL DISORDERS.....290-319	1,692	46	954	450	243
10	PSYCHOSES.....290-299	507	4	284	127	92
11	ALCOHOL DEPENDENCE SYNDROME.....303	439	3	233	169	33
12	6. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,762	362	384	410	605
13	DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	408	66	143	91	108
14	CATARACT.....366	431	5	13	98	315
15	DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	405	220	82	60	43
16	7. DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,140	44	535	1,711	2,849
17	ESSENTIAL HYPERTENSION.....401	305	3	64	131	107
18	HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,201	26	239	1,127	1,808
19	ACUTE MYOCARDIAL INFARCTION.....410	431	*1	23	169	238
20	ATHEROSCLEROTIC HEART DISEASE.....414.0	562	*2	20	188	352
21	OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	793	3	63	397	329
22	CONGESTIVE HEART FAILURE.....428.0	401	5	8	63	325
23	CEREBROVASCULAR DISEASE.....430-438	796	5	29	177	585
24	8. DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,445	1,033	755	669	989
25	ACUTE BRONCHITIS AND BRONCHIOLITIS.....466	239	101	34	38	66
26	OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-465	284	168	64	27	26
27	CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	457	301	150	5	*1
28	PNEUMONIA, ALL FORMS.....480-486	782	227	110	140	305
29	ASTHMA.....493	408	124	99	101	84
30	9. DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,650	516	1,563	1,307	1,263
31	ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	363	4	106	124	129
32	GASTRITIS AND DUODENITIS.....535	289	17	131	83	58
33	APPENDICITIS.....540-543	266	76	154	26	10
34	INGUINAL HERNIA.....550	509	92	139	157	121
35	NONINFECTIOUS ENTERITIS AND COLITIS.....555-558	610	198	198	91	122
36	CHOLELITHIASIS.....574	458	2	159	159	138
37	10. DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,599	176	1,812	919	693
38	CALCULUS OF KIDNEY AND URETER.....592	310	2	145	120	42
39	DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	448	2	347	95	4
40	11. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	1,010	8	999	3	...
41	ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639	531	4	525	2	...
42	12. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	597	76	238	150	133
43	13. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,245	75	917	727	526
44	ARTHROPATHIES AND RELATED DISORDERS.....710-719	543	21	183	159	181
45	INTERVERTEBRAL DISC DISORDERS.....722	385	*1	197	146	40
46	14. CONGENITAL ANOMALIES.....740-759	343	186	98	39	20
47	15. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	91	85	*1	4	*2
48	16. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	637	119	276	145	96
49	17. INJURY AND POISONING.....800-999	3,593	482	1,780	628	703
50	FRACTURES, ALL SITES.....800-829	1,163	155	440	193	375
51	SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	312	5	191	85	31
52	INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	295	76	159	31	29
53	LACERATIONS AND OPEN WOUNDS.....870-904	334	44	218	46	27
54	SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,421	65	4,211	89	55
55	PERSONS ADMITTED FOR STERILIZATION.....V25.2	260	-	255	5	*1
56	FEMALES WITH DELIVERIES.....V27	3,762	16	3,741	5	...

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

TABLE 13. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND AGE: UNITED STATES, 1980--CON.

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

ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER		
RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION					AVERAGE LENGTH OF STAY IN DAYS						
1,696.2	717.7	1,513.1	1,959.8	4,051.5	7.3	4.4	5.2	8.2	10.7	01	
29.1	37.1	24.1	19.9	50.0	6.9	4.3	6.2	8.7	11.3	02	
111.0	14.5	45.6	202.9	425.0	10.5	6.3	7.0	10.3	12.5	03	
82.0	7.8	17.6	156.4	376.2	12.0	7.3	9.6	11.6	13.1	04	
29.0	6.6	28.0	46.5	48.8	6.2	5.1	5.4	6.3	8.2	05	
51.3	12.2	29.0	83.3	170.7	9.6	6.7	7.3	9.3	11.9	06	
28.9	4.1	13.3	55.4	99.4	10.5	6.7	7.8	10.0	12.8	07	
15.0	13.8	9.0	12.7	47.4	7.2	4.0	5.7	8.6	9.8	08	
75.9	9.0	92.3	101.8	99.7	11.6	13.5	11.1	11.3	13.7	09	
22.7	0.7	27.5	28.8	37.7	14.8	34.2	13.9	14.5	17.0	10	
19.7	0.6	22.6	38.3	13.7	10.1	5.6	9.8	10.5	10.0	11	
79.0	70.8	37.2	92.7	248.7	5.4	3.4	5.8	5.8	6.2	12	
18.3	12.9	13.9	20.5	44.6	10.7	7.6	9.5	10.9	14.0	13	
19.3	0.9	1.3	22.1	129.4	3.6	3.5	2.9	3.2	3.7	14	
18.2	43.1	7.9	13.7	17.5	3.1	2.4	3.3	4.3	5.3	15	
230.4	8.6	51.8	387.2	1,170.4	10.0	7.8	7.2	9.0	11.2	16	
13.7	0.5	6.2	29.7	44.1	7.0	8.9	5.3	6.5	8.4	17	
143.5	5.1	23.2	255.0	742.7	9.5	6.6	7.4	8.6	10.5	18	
19.3	*0.2	2.3	38.3	97.9	12.6	*17.2	11.9	12.1	13.0	19	
25.2	*0.3	1.9	42.7	144.7	10.0	*7.5	7.3	8.3	11.1	20	
35.5	0.6	6.1	89.9	135.3	7.7	6.1	5.8	7.2	8.6	21	
18.0	1.0	0.8	14.1	133.4	10.4	7.1	8.0	10.0	10.6	22	
35.7	1.1	2.8	40.1	240.1	12.7	11.2	14.8	11.8	12.9	23	
154.5	201.9	73.0	151.3	406.1	6.3	3.5	4.4	7.5	9.8	24	
10.7	19.7	3.3	8.5	27.1	5.5	4.2	4.9	6.6	7.2	25	
12.7	32.8	6.2	6.1	10.5	4.0	3.3	3.8	5.9	6.6	26	
20.5	58.8	14.6	1.1	*0.2	1.9	1.7	2.2	2.0	*1.7	27	
35.1	44.4	10.6	31.7	125.3	8.3	4.9	6.5	9.2	11.1	28	
18.3	24.3	9.6	22.9	34.5	6.0	3.9	5.4	7.0	8.4	29	
208.5	100.9	151.3	295.8	519.0	7.0	3.9	5.5	7.6	9.4	30	
16.3	0.8	10.3	28.0	53.0	8.6	5.5	6.4	8.3	10.6	31	
13.0	3.4	12.7	18.8	23.7	5.4	3.1	4.7	5.7	7.4	32	
11.9	14.8	14.9	6.0	4.1	5.5	5.2	5.0	7.0	11.8	33	
22.8	18.0	13.4	35.6	49.9	4.7	2.3	4.1	5.4	6.4	34	
27.3	38.8	19.2	20.7	50.2	5.5	4.3	4.9	6.2	7.7	35	
20.5	0.4	15.4	35.9	56.7	9.3	6.4	7.7	9.1	11.4	36	
161.4	34.4	175.3	207.9	284.5	5.6	3.6	4.5	5.7	8.8	37	
13.9	0.4	14.0	27.2	17.4	5.0	6.1	4.1	5.2	7.3	38	
20.1	0.5	33.5	21.5	1.5	3.3	2.2	3.3	3.3	6.7	39	
45.3	1.6	96.7	0.6	...	2.5	3.2	2.5	2.7	...	40	
23.8	0.8	50.8	0.5	...	2.1	1.4	2.1	*1.5	...	41	
26.8	14.9	23.0	34.0	54.5	8.0	4.4	5.7	9.4	12.8	42	
100.6	14.7	88.7	164.6	215.9	8.3	6.9	6.6	8.3	11.6	43	
24.4	4.1	17.7	35.9	74.3	9.4	7.3	5.6	10.0	12.8	44	
17.2	*0.2	19.1	33.0	16.5	9.9	*12.0	9.2	10.1	12.0	45	
15.4	36.4	9.5	8.8	8.3	6.6	5.7	6.7	8.5	10.1	46	
4.1	16.7	*0.1	1.0	*0.2	8.7	8.6	*6.4	11.3	*7.0	47	
28.6	23.3	26.7	32.9	39.5	4.5	3.4	3.9	4.7	7.5	48	
161.1	94.2	172.3	142.1	288.8	7.7	4.8	6.1	8.2	13.2	49	
52.1	30.4	42.5	43.6	154.1	10.8	5.8	8.2	10.3	16.2	50	
14.0	0.9	18.5	19.3	12.8	7.1	3.7	6.9	7.4	8.0	51	
13.2	14.8	15.4	7.1	11.8	5.6	3.6	5.6	7.4	9.3	52	
15.0	8.6	21.1	10.5	11.0	5.1	3.3	5.2	5.2	7.3	53	
198.2	12.8	407.6	20.1	22.7	3.7	4.5	3.6	4.9	6.4	54	
11.7	-	24.6	1.1	*0.2	2.2	-	2.2	1.8	*2.9	55	
168.7	3.2	362.1	1.0	...	3.8	8.3	3.7	4.9	...	56	

TABLE 14. NUMBER OF DISCHARGES AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND RACE; AND RATE OF DISCHARGES BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND SEX: UNITED STATES, 1980

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE	SEX					
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS			RATE OF DISCHARGES PER 10,000 POPULATION		
01 ALL CONDITIONS.....	37,832	15,145	22,686	1,696.2	1,407.2	1,965.7
02 1. INFECTIOUS AND PARASITIC DISEASES.....001-139	649	309	340	29.1	28.7	29.4
03 2. NEOPLASMS.....140-239	2,476	1,028	1,448	111.0	95.5	125.5
04 MALIGNANT NEOPLASMS.....140-208	1,829	875	954	82.0	81.3	82.6
05 BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239	648	153	495	29.0	14.2	42.9
06 3. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,145	396	750	51.3	36.8	64.9
07 DIABETES MELLITUS.....250	645	245	400	28.9	22.8	34.6
08 4. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS...280-289	336	145	191	15.0	13.5	16.5
09 5. MENTAL DISORDERS.....290-319	1,692	885	807	75.9	82.2	69.9
10 PSYCHOSES.....290-299	507	248	259	22.7	23.0	22.5
11 ALCOHOL DEPENDENCE SYNDROME.....303	439	342	97	19.7	31.8	8.4
12 6. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS 320-389	1,762	794	968	79.0	73.7	83.9
13 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	408	194	214	18.3	18.1	18.5
14 CATARACT.....366	431	179	252	19.3	16.6	21.8
15 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	405	205	200	18.2	19.0	17.4
16 7. DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,140	2,590	2,549	230.4	240.7	220.9
17 ESSENTIAL HYPERTENSION.....401	305	118	188	13.7	10.9	16.3
18 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,201	1,688	1,513	143.5	156.8	131.1
19 ACUTE MYOCARDIAL INFARCTION.....410	431	272	159	19.3	25.3	13.8
20 ATHEROSCLEROTIC HEART DISEASE.....414.0	562	303	259	25.2	28.2	22.4
21 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	793	474	319	35.5	44.1	27.6
22 CONGESTIVE HEART FAILURE.....428.0	401	176	224	18.0	16.4	19.4
23 CEREBROVASCULAR DISEASE.....430-438	796	371	425	35.7	34.4	36.9
24 8. DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,445	1,755	1,691	154.5	163.0	146.5
25 ACUTE BRONCHITIS AND BRONCHIOLITIS.....466	239	116	123	10.7	10.7	10.7
26 OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA...460-465	284	135	149	12.7	12.6	12.9
27 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	457	192	265	20.5	17.9	22.9
28 PNEUMONIA, ALL FORMS.....480-486	782	414	368	35.1	38.5	31.9
29 ASTHMA.....493	408	180	228	18.3	16.8	19.7
30 9. DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,650	2,171	2,479	208.5	201.7	214.8
31 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	363	191	172	16.3	17.7	14.9
32 GASTRITIS AND DUODENITIS.....535	289	128	161	13.0	11.9	14.0
33 APPENDICITIS.....540-543	266	145	122	11.9	13.4	10.5
34 INGUINAL HERNIA.....550	509	458	51	22.8	42.5	4.4
35 NONINFECTIOUS ENTERITIS AND COLITIS.....555-558	610	249	361	27.3	23.1	31.3
36 CHOLELITHIASIS.....574	458	115	342	20.5	10.7	29.7
37 10. DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,599	1,100	2,500	161.4	102.2	216.6
38 CALCULUS OF KIDNEY AND URETER.....592	310	210	99	13.9	19.5	8.6
39 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING...626	448	...	448	20.1	...	38.8
40 11. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676	1,010	...	1,010	45.3	...	87.5
41 ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639	531	...	531	23.8	...	46.0
42 12. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE...680-709	597	288	309	26.8	26.8	26.8
43 13. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,245	971	1,273	100.6	90.3	110.3
44 ARTHROPATHIES AND RELATED DISORDERS.....710-719	543	215	328	24.4	20.0	28.4
45 INTERVERTEBRAL DISC DISORDERS.....722	385	212	172	17.2	19.7	14.9
46 14. CONGENITAL ANOMALIES.....740-759	343	167	177	15.4	15.5	15.3
47 15. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	91	52	39	4.1	4.8	3.4
48 16. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS...780-799	637	291	346	28.6	27.1	30.0
49 17. INJURY AND POISONING.....800-999	3,593	2,025	1,568	161.1	188.1	135.9
50 FRACTURES, ALL SITES.....800-829	1,163	582	580	52.1	54.1	50.3
51 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	312	155	157	14.0	14.4	13.6
52 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE)...850-854	295	179	116	13.2	16.7	10.0
53 LACERATIONS AND OPEN WOUNDS.....870-904	334	255	79	15.0	23.7	6.9
54 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,421	178	4,243	198.2	16.6	367.6
55 PERSONS ADMITTED FOR STERILIZATION.....V25.2	260	10	251	11.7	0.9	21.7
56 FEMALES WITH DELIVERIES.....V27	3,762	...	3,762	168.7	...	326.0

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

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



TABLE 14. NUMBER OF DISCHARGES AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND RACE; AND RATE OF DISCHARGES BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND SEX: UNITED STATES, 1980--CON.

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

SEX--CON.			RACE						
TOTAL	MALE	FEMALE	1/ TOTAL	WHITE	ALL OTHER	1/ TOTAL	WHITE	ALL OTHER	
AVERAGE LENGTH OF STAY IN DAYS			NUMBER OF PATIENTS DISCHARGED IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS			
7.3	7.7	7.0	37,832	28,484	4,879	7.3	7.3	7.5	01
6.9	6.6	7.2	649	483	103	6.9	6.8	8.1	02
10.5	11.1	10.1	2,476	1,919	289	10.5	10.5	11.0	03
12.0	12.0	12.0	1,829	1,449	181	12.0	11.9	13.6	04
6.2	5.7	6.3	648	470	107	6.2	6.3	6.5	05
9.6	9.3	9.7	1,145	828	200	9.6	9.2	11.1	06
10.5	10.1	10.7	645	442	136	10.5	10.3	11.3	07
7.2	6.4	7.8	336	228	73	7.2	7.3	7.1	08
11.6	11.0	12.2	1,692	1,211	248	11.6	11.9	10.0	09
14.8	13.1	16.3	507	370	86	14.8	15.1	12.9	10
10.1	10.0	10.4	439	268	84	10.1	10.5	8.0	11
5.4	5.5	5.4	1,762	1,357	179	5.4	5.3	7.2	12
10.7	11.2	10.3	408	314	53	10.7	10.4	13.1	13
3.6	3.3	3.8	431	337	34	3.6	3.5	4.3	14
3.1	2.9	3.4	405	314	35	3.1	3.2	3.3	15
10.0	9.6	10.4	5,140	4,090	509	10.0	9.8	11.3	16
7.0	6.5	7.3	305	213	62	7.0	6.7	7.8	17
9.5	9.1	10.0	3,201	2,596	282	9.5	9.4	10.4	18
12.6	12.3	13.1	431	361	29	12.6	12.5	14.7	19
10.0	9.3	10.8	562	472	33	10.0	9.8	11.1	20
7.7	7.4	8.0	793	664	57	7.7	7.6	8.3	21
10.4	10.1	10.6	401	313	48	10.4	10.2	11.4	22
12.7	12.1	13.2	796	625	85	12.7	12.2	15.7	23
6.3	6.3	6.2	3,445	2,672	384	6.3	6.3	6.4	24
5.5	5.1	5.8	239	182	30	5.5	5.5	5.4	25
4.0	3.8	4.1	284	212	34	4.0	4.0	4.2	26
1.9	1.8	1.9	457	358	35	1.9	1.9	2.2	27
8.3	8.2	8.4	782	601	103	8.3	8.4	7.5	28
6.0	5.6	6.3	408	288	78	6.0	6.1	5.5	29
7.0	6.5	7.4	4,650	3,598	506	7.0	6.9	7.9	30
8.6	8.4	8.7	363	282	40	8.6	8.5	8.0	31
5.4	5.1	5.7	289	227	33	5.4	5.5	6.1	32
5.5	5.6	5.3	266	203	27	5.5	5.4	7.1	33
4.7	4.7	5.0	509	391	52	4.7	4.8	4.6	34
5.5	5.0	5.7	610	483	60	5.5	5.5	5.9	35
9.3	9.9	9.1	458	355	44	9.3	9.2	10.3	36
5.6	6.4	5.2	3,599	2,736	464	5.6	5.5	6.2	37
5.0	4.6	5.9	310	257	16	5.0	5.0	6.1	38
3.3	...	3.3	448	343	55	3.3	3.3	3.3	39
2.5	...	2.5	1,010	647	239	2.5	2.5	2.7	40
2.1	...	2.1	531	321	150	2.1	2.1	2.2	41
8.0	7.6	8.4	597	446	89	8.0	7.9	9.2	42
8.3	7.6	8.9	2,245	1,693	214	8.3	8.3	8.8	43
9.4	7.5	10.6	543	413	51	9.4	9.2	10.8	44
9.9	9.2	10.7	385	289	30	9.9	9.9	10.5	45
6.6	6.5	6.7	343	269	43	6.6	6.8	6.1	46
8.7	7.7	10.0	91	64	14	8.7	7.6	11.6	47
4.5	4.4	4.7	637	469	92	4.5	4.2	5.6	48
7.7	6.9	8.7	3,593	2,658	473	7.7	7.7	7.9	49
10.8	9.0	12.6	1,163	882	118	10.8	11.0	9.9	50
7.1	6.8	7.4	312	223	48	7.1	7.0	7.7	51
5.6	6.0	5.1	295	215	43	5.6	5.5	6.6	52
5.1	5.0	5.5	334	227	70	5.1	5.0	6.0	53
3.7	4.2	3.7	4,421	3,117	761	3.7	3.7	3.8	54
2.2	1.7	2.2	260	193	43	2.2	2.1	2.6	55
3.8	...	3.8	3,762	2,633	662	3.8	3.7	3.9	56

TABLE 15. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND GEOGRAPHIC REGION: UNITED STATES, 1980

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE		ALL REGIONS	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST
NUMBER OF PATIENTS DISCHARGED IN THOUSANDS						
01	ALL CONDITIONS.....	37,832	7,868	10,878	12,983	6,103
02	1. INFECTIOUS AND PARASITIC DISEASES.....001-139	649	136	170	249	95
03	2. NEOPLASMS.....140-239	2,476	633	723	708	411
04	MALIGNANT NEOPLASMS.....140-208	1,829	464	549	500	315
05	BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239	648	169	174	208	96
06	3. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,145	239	335	407	165
07	DIABETES MELLITUS.....250	645	152	185	232	76
08	4. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	336	81	95	118	41
09	5. MENTAL DISORDERS.....290-319	1,692	497	531	427	238
10	PSYCHOSES.....290-299	507	141	148	121	97
11	ALCOHOL DEPENDENCE SYNDROME.....303	439	218	124	61	36
12	6. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,762	345	582	521	313
13	DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	408	77	135	131	65
14	CATARACT.....366	431	90	124	118	98
15	DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	405	80	145	128	53
16	7. DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,140	1,138	1,428	1,769	805
17	ESSENTIAL HYPERTENSION.....401	305	52	82	136	36
18	HEART DISEASE.....391-392,0,393-398,402,404,410-416,420-429	3,201	737	872	1,080	511
19	ACUTE MYOCARDIAL INFARCTION.....410	431	115	117	131	69
20	ATHEROSCLEROTIC HEART DISEASE.....414.0	562	154	159	179	71
21	OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	793	168	210	270	144
22	CONGESTIVE HEART FAILURE.....428.0	401	90	114	132	64
23	CEREBROVASCULAR DISEASE.....430-438	796	173	221	274	128
24	8. DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,445	639	1,000	1,306	501
25	ACUTE BRONCHITIS AND BRONCHIOLITIS.....466	239	38	72	100	29
26	OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-465	284	47	84	127	27
27	CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	457	77	158	136	86
28	PNEUMONIA, ALL FORMS.....480-486	782	136	212	335	100
29	ASTHMA.....493	408	97	113	130	68
30	9. DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,650	949	1,316	1,742	643
31	ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	363	62	102	150	49
32	GASTRITIS AND DUODENITIS.....535	289	38	80	144	27
33	APPENDICITIS.....540-543	266	57	67	91	52
34	INGUINAL HERNIA.....550	509	144	142	136	87
35	NONINFECTIOUS ENTERITIS AND COLITIS.....555-558	610	102	174	264	70
36	CHOLELITHIASIS.....574	458	97	128	160	72
37	10. DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,599	743	999	1,354	504
38	CALCULUS OF KIDNEY AND URETER.....592	310	59	83	125	43
39	DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	448	117	125	158	47
40	11. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	1,010	270	274	308	158
41	ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639	531	179	125	148	79
42	12. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	597	131	176	203	87
43	13. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,245	363	718	735	429
44	ARTHROPATHIES AND RELATED DISORDERS.....710-719	543	81	184	168	111
45	INTERVERTEBRAL DISC DISORDERS.....722	385	57	119	123	85
46	14. CONGENITAL ANOMALIES.....740-759	343	72	106	109	57
47	15. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	91	14	29	28	20
48	16. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	637	99	186	256	95
49	17. INJURY AND POISONING.....800-999	3,593	660	1,008	1,206	720
50	FRACTURES, ALL SITES.....800-829	1,163	219	334	360	249
51	SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	312	48	76	139	49
52	INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	295	70	80	87	58
53	LACERATIONS AND OPEN WOUNDS.....870-904	334	53	88	127	66
54	SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,421	859	1,201	1,538	822
55	PERSONS ADMITTED FOR STERILIZATION.....V25.2	260	56	63	109	33
56	FEMALES WITH DELIVERIES.....V27	3,762	717	1,028	1,307	709

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

TABLE 15. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND GEOGRAPHIC REGION: UNITED STATES, 1980--CON.  
 (DISCHARGES FROM NONFEDERAL SHORT-STAY HOSPITALS. EXCLUDES NEWBORN INFANTS. DIAGNOSTIC GROUPINGS AND CODE NUMBER INCLUSIONS ARE BASED ON THE INTERNATIONAL CLASSIFICATION OF DISEASES, 9TH REVISION, CLINICAL MODIFICATION)

ALL REGIONS	NORTHEAST	NORTH CENTRAL	SOUTH	WEST	ALL REGIONS	NORTHEAST	NORTH CENTRAL	SOUTH	WEST	
RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION					AVERAGE LENGTH OF STAY IN DAYS					
1,696.2	1,623.6	1,873.8	1,752.9	1,437.7	7.3	8.5	7.5	6.8	6.1	01
29.1	28.0	29.2	33.6	22.3	6.9	7.7	7.3	6.6	6.1	02
111.0	130.6	124.6	95.6	96.9	10.5	12.0	10.7	10.1	8.5	03
82.0	95.7	94.6	67.6	74.3	12.0	14.1	12.1	11.7	9.5	04
29.0	34.9	30.0	28.1	22.7	6.2	6.4	6.3	6.5	4.9	05
51.3	49.3	57.7	54.9	38.8	9.6	11.8	9.7	8.9	7.7	06
28.9	31.4	31.9	31.4	17.8	10.5	12.9	10.3	9.8	8.1	07
15.0	16.7	16.4	16.0	9.7	7.2	8.8	6.9	6.8	6.0	08
75.9	102.5	91.5	57.6	56.0	11.6	11.6	13.4	9.8	10.7	09
22.7	29.2	25.5	16.3	22.8	14.8	16.0	16.8	12.1	13.1	10
19.7	44.9	21.4	8.2	8.6	10.1	8.2	13.6	10.7	8.3	11
79.0	71.3	100.3	70.4	73.7	5.4	6.3	5.5	5.4	4.5	12
18.3	15.9	23.3	17.7	15.3	10.7	14.3	10.7	9.5	9.0	13
19.3	18.6	21.4	16.0	23.1	3.6	3.5	4.1	3.4	3.2	14
18.2	16.5	25.0	17.2	12.4	3.1	3.4	3.0	3.4	2.4	15
230.4	234.9	245.9	238.9	189.6	10.0	12.4	10.2	9.2	8.1	16
13.7	10.7	14.1	18.3	8.5	7.0	7.6	7.5	6.7	5.9	17
143.5	152.1	150.3	145.7	120.5	9.5	11.7	9.7	8.9	7.5	18
19.3	23.7	20.1	17.7	16.2	12.6	13.9	13.4	12.3	9.6	19
25.2	31.7	27.4	24.1	16.7	10.0	13.1	9.3	8.9	7.5	20
35.5	34.8	36.2	36.5	34.0	7.7	8.9	8.2	7.1	6.4	21
18.0	18.6	19.6	17.8	15.2	10.4	12.5	10.2	10.3	7.8	22
35.7	35.8	38.1	37.0	30.1	12.7	16.2	13.1	11.5	9.8	23
154.5	131.8	172.3	176.3	118.0	6.3	7.6	5.9	6.3	5.4	24
10.7	7.9	12.4	13.5	6.7	5.5	6.1	5.5	5.5	4.7	25
12.7	9.7	14.4	17.2	6.3	4.0	4.1	4.2	4.0	3.0	26
20.5	15.9	27.3	18.3	20.3	1.9	1.7	2.0	2.1	1.6	27
35.1	28.1	36.5	45.2	23.4	8.3	10.4	8.5	7.6	7.4	28
18.3	20.0	19.5	17.6	16.0	6.0	6.2	6.0	5.9	5.7	29
208.5	195.9	226.6	235.3	151.4	7.0	7.9	7.2	6.6	6.2	30
16.3	12.8	17.6	20.2	11.5	8.6	11.0	8.9	7.5	8.0	31
13.0	7.8	13.8	19.5	6.3	5.4	6.1	6.1	5.2	3.8	32
11.9	11.7	11.5	12.3	12.3	5.5	6.1	5.6	5.5	4.6	33
22.8	29.7	24.4	18.4	20.5	4.7	4.5	5.0	5.2	3.8	34
27.3	21.1	30.0	35.6	16.5	5.5	6.5	5.6	5.1	5.1	35
20.5	20.1	22.0	21.6	17.0	9.3	10.5	9.8	8.9	7.5	36
161.4	153.4	172.0	182.8	118.7	5.6	5.7	5.8	5.6	5.0	37
13.9	12.2	14.2	16.9	10.2	5.0	5.8	5.7	4.4	4.1	38
20.1	24.2	21.6	21.3	11.1	3.3	2.7	3.6	3.7	3.1	39
45.3	55.8	47.2	41.6	37.2	2.5	2.2	2.6	2.7	2.3	40
23.8	36.9	21.5	20.0	18.7	2.1	1.8	2.4	2.4	1.8	41
26.8	27.1	30.3	27.4	20.4	8.0	9.5	7.8	7.4	7.8	42
100.6	74.8	123.7	99.2	101.1	8.3	9.8	8.9	8.1	6.5	43
24.4	16.6	31.8	22.7	26.1	9.4	10.6	10.1	9.3	7.3	44
17.2	11.9	20.5	16.7	19.9	9.9	11.4	10.7	9.6	7.9	45
15.4	14.8	18.3	14.7	13.4	6.6	6.8	7.5	6.0	5.9	46
4.1	2.9	5.1	3.8	4.6	8.7	8.1	9.5	9.0	7.3	47
28.6	20.5	32.1	34.6	22.5	4.5	5.0	4.6	4.6	3.7	48
161.1	136.2	173.6	162.8	169.6	7.7	9.5	7.8	7.3	6.6	49
52.1	45.2	57.6	48.6	58.7	10.8	14.3	10.9	10.1	8.7	50
14.0	9.8	13.0	18.8	11.7	7.1	8.6	7.0	7.1	5.8	51
13.2	14.5	13.8	11.7	13.5	5.6	6.0	5.4	5.8	5.3	52
15.0	10.9	15.2	17.2	15.5	5.1	6.8	4.5	4.9	5.0	53
198.2	177.3	206.9	207.7	193.7	3.7	4.3	4.1	3.4	3.0	54
11.7	11.5	10.8	14.7	7.7	2.2	2.3	2.3	2.2	2.1	55
168.7	148.0	177.1	176.5	167.1	3.8	4.5	4.2	3.5	2.9	56

TABLE 16. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BED SIZE OF HOSPITAL: UNITED STATES, 1980

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
NUMBER OF PATIENTS DISCHARGED IN THOUSANDS						
ALL CONDITIONS.....	37,832	7,512	6,659	6,664	8,682	8,315
1. INFECTIOUS AND PARASITIC DISEASES.....001-139	649	146	119	114	141	129
2. NEOPLASMS.....140-239	2,476	266	351	428	673	759
MALIGNANT NEOPLASMS.....140-208	1,829	190	252	302	507	577
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239	648	76	99	125	166	182
3. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,145	251	201	209	254	229
DIABETES MELLITUS.....250	645	146	118	117	147	118
4. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS..280-289	336	73	53	58	76	75
5. MENTAL DISORDERS.....290-319	1,692	430	249	260	421	333
PSYCHOSES.....290-299	507	92	84	70	138	123
ALCOHOL DEPENDENCE SYNDROME.....303	439	190	46	67	84	52
6. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS 320-389	1,762	222	298	306	469	466
DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	408	63	61	69	99	117
CATARACT.....337-339	431	39	89	70	131	101
DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	405	51	74	87	104	90
7. DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,140	1,061	888	923	1,194	1,073
ESSENTIAL HYPERTENSION.....401	305	82	57	57	56	53
HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,201	656	559	557	754	675
ACUTE MYOCARDIAL INFARCTION.....410	431	96	84	76	97	79
ATHEROSCLEROTIC HEART DISEASE.....414.0	562	78	105	104	137	138
OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	793	165	122	147	181	178
CONGESTIVE HEART FAILURE.....428.0	401	110	68	63	90	70
CEREBROVASCULAR DISEASE.....430-438	796	178	141	146	171	160
8. DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,445	942	683	611	684	525
ACUTE BRONCHITIS AND BRONCHIOLITIS.....466	239	78	52	37	47	25
OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA...460-465	284	87	68	44	54	31
CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	457	75	91	119	106	66
PNEUMONIA, ALL FORMS.....480-486	782	276	147	125	130	105
ASTHMA.....493	408	88	73	70	99	79
9. DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,650	1,106	878	840	995	831
ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	363	105	67	66	71	54
GASTRITIS AND DUODENITIS.....535	289	109	60	48	41	30
APPENDICITIS.....540-543	266	72	48	44	56	46
INGUINAL HERNIA.....550	509	85	91	95	126	112
NONINFECTIOUS ENTERITIS AND COLITIS.....555-558	610	183	132	95	117	83
CHOLELITHIASIS.....574	458	98	90	90	99	81
10. DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,599	636	708	656	820	780
CALCULUS OF KIDNEY AND URETER.....592	310	60	56	62	73	58
DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING...626	448	68	100	82	105	93
11. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	1,010	159	186	162	225	278
ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639	531	69	96	85	109	173
12. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE...680-709	597	137	89	99	143	130
13. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,245	418	374	425	512	515
ARTHROPATHIES AND RELATED DISORDERS.....710-719	543	95	84	88	135	141
INTERVERTEBRAL DISC DISORDERS.....722	385	45	67	87	92	94
14. CONGENITAL ANOMALIES.....740-759	343	56	41	48	73	125
15. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	91	15	12	15	24	24
16. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS...780-799	637	131	97	112	136	161
17. INJURY AND POISONING.....800-999	3,593	781	633	630	823	725
FRACTURES, ALL SITES.....800-829	1,163	225	207	210	287	235
SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	312	96	66	47	57	46
INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE)..850-854	295	72	54	49	66	54
LACERATIONS AND OPEN WOUNDS.....870-904	334	71	51	58	74	81
SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,421	680	798	767	1,019	1,157
PERSONS ADMITTED FOR STERILIZATION.....V25.2	260	56	58	49	51	46
FEMALES WITH DELIVERIES.....V27	3,762	562	679	653	878	990

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

TABLE 16. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BED SIZE OF HOSPITAL: UNITED STATES, 1980--CON.

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE	AVERAGE LENGTH OF STAY IN DAYS						
ALL CONDITIONS.....	7.3	6.0	6.7	7.2	7.8	8.2							
1. INFECTIOUS AND PARASITIC DISEASES.....001-139	6.9	4.9	5.9	7.2	7.5	9.5							
2. NEOPLASMS.....140-239	10.5	8.5	10.0	9.8	11.1	11.3							
MALIGNANT NEOPLASMS.....140-208	12.0	10.1	11.7	11.4	12.7	12.6							
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239	6.2	4.7	5.7	6.0	6.3	7.0							
3. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	9.6	7.7	9.1	10.0	10.3	10.8							
DIABETES MELLITUS.....250	10.5	8.2	10.1	10.5	11.5	12.2							
4. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS..280-289	7.2	6.0	6.7	7.0	8.1	8.0							
5. MENTAL DISORDERS.....290-319	11.6	9.7	11.7	11.1	11.8	14.1							
PSYCHOSES.....290-299	14.8	14.0	14.3	13.7	14.8	16.3							
ALCOHOL DEPENDENCE SYNDROME.....303	10.1	8.9	12.5	13.2	8.5	10.8							
6. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS 320-389	5.4	4.8	4.7	5.1	5.2	6.7							
DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	10.7	7.6	8.4	9.7	11.2	13.8							
CATARACT.....366	3.6	3.3	3.5	3.9	3.3	3.8							
DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	3.1	3.4	3.3	3.1	3.0	3.1							
7. DISEASES OF THE CIRCULATORY SYSTEM.....390-459	10.0	7.8	9.5	10.0	11.1	11.4							
ESSENTIAL HYPERTENSION.....401	7.0	5.7	6.5	7.3	7.6	8.4							
HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	9.5	7.5	9.2	9.8	10.5	10.5							
ACUTE MYOCARDIAL INFARCTION.....410	12.6	10.5	11.9	13.6	13.1	14.2							
ATHEROSCLEROTIC HEART DISEASE.....414.0	10.0	6.8	9.4	9.9	12.1	10.3							
OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	7.7	5.8	7.0	7.4	8.5	9.2							
CONGESTIVE HEART FAILURE.....428.0	10.4	8.5	10.6	11.3	11.0	11.4							
CEREBROVASCULAR DISEASE.....430-438	12.7	9.4	11.6	12.1	14.6	15.9							
8. DISEASES OF THE RESPIRATORY SYSTEM.....460-519	6.3	5.8	6.0	6.3	6.6	7.0							
ACUTE BRONCHITIS AND BRONCHIOLITIS.....466	5.5	5.2	5.4	5.7	5.6	6.0							
OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA...460-465	4.0	3.8	4.0	4.1	3.8	4.5							
CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	1.9	2.0	2.1	1.8	1.8	1.9							
PNEUMONIA, ALL FORMS.....480-486	8.3	7.0	8.3	8.6	9.7	9.6							
ASTHMA.....493	6.0	5.7	5.5	6.6	6.0	6.1							
9. DISEASES OF THE DIGESTIVE SYSTEM.....520-579	7.0	5.7	6.6	7.2	7.6	8.0							
ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	8.6	7.3	8.3	8.8	9.5	9.8							
GASTRITIS AND DUODENITIS.....535	5.4	4.8	5.3	6.0	6.0	6.5							
APPENDICITIS.....540-543	5.5	4.9	5.0	5.7	5.7	6.4							
INGUINAL HERNIA.....550	4.7	4.6	4.6	5.2	4.7	4.5							
NONINFECTIOUS ENTERITIS AND COLITIS.....555-558	5.5	4.5	5.0	5.5	6.1	7.4							
CHOLELITHIASIS.....574	9.3	7.8	9.6	9.3	9.8	10.2							
10. DISEASES OF THE GENITOURINARY SYSTEM.....580-629	5.6	5.0	5.4	5.9	5.6	5.9							
CALCULUS OF KIDNEY AND URETER.....592	5.0	3.1	5.3	5.8	5.3	5.4							
DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING...626	3.3	3.4	2.9	3.6	3.5	3.3							
11. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	2.5	2.3	2.3	2.6	2.7	2.6							
ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639	2.1	2.1	2.0	2.2	2.4	2.0							
12. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE...680-709	8.0	7.3	7.2	7.6	8.7	9.1							
13. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	8.3	6.4	7.7	8.3	8.8	9.8							
ARTHROPATHIES AND RELATED DISORDERS.....710-719	9.4	7.7	8.6	8.6	9.7	11.1							
INTERVERTEBRAL DISC DISORDERS.....722	9.9	8.3	9.7	9.7	10.4	10.3							
14. CONGENITAL ANOMALIES.....740-759	6.6	4.9	5.7	7.0	6.1	7.8							
15. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	8.7	5.9	5.9	6.8	9.8	11.9							
16. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	4.5	3.5	4.1	4.6	5.3	5.0							
17. INJURY AND POISONING.....800-999	7.7	5.7	6.9	7.9	8.5	9.4							
FRACTURES, ALL SITES.....800-829	10.8	8.1	9.7	11.3	11.4	13.3							
SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	7.1	6.8	6.6	6.9	8.2	7.3							
INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE)...850-854	5.6	3.0	6.2	5.1	6.6	7.9							
LACERATIONS AND OPEN WOUNDS.....870-904	5.1	3.7	4.0	4.9	5.5	7.0							
SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	3.7	3.0	3.4	3.5	3.9	4.2							
PERSONS ADMITTED FOR STERILIZATION.....V25.2	2.2	2.4	2.0	2.4	2.1	2.3							
FEMALES WITH DELIVERIES.....V27	3.8	3.0	3.5	3.6	4.0	4.3							

TABLE 17. 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, 1980

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

DIAGNOSTIC CATEGORY AND ICD-9-CM CODE	AGE				
	1/ ALL DIAGNOSES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF ALL-LISTED DIAGNOSES IN THOUSANDS					
01 ALL CONDITIONS.....	90,397	6,204	30,970	21,784	31,439
02 1. INFECTIOUS AND PARASITIC DISEASES.....001-139	1,512	323	509	267	413
03 2. NEOPLASMS.....140-239	4,155	96	755	1,498	1,807
04 MALIGNANT NEOPLASMS.....140-208	2,953	50	252	1,087	1,565
05 BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNCERTAIN BEHAVIOR.....210-239	1,202	46	503	411	242
06 3. ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	4,991	230	900	1,677	2,184
07 DIABETES MELLITUS.....250	2,279	29	299	823	1,128
08 4. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS....280-289	1,432	147	388	305	592
09 5. MENTAL DISORDERS.....290-319	3,938	96	1,831	1,082	929
10 PSYCHOSES.....290-299	861	6	374	217	265
11 ALCOHOL DEPENDENCE SYNDROME.....303	839	4	403	339	93
12 6. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS...320-389	3,821	680	740	900	1,500
13 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	1,189	117	290	271	511
14 CATARACT.....366	528	8	17	116	387
15 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	836	443	146	113	133
16 7. DISEASES OF THE CIRCULATORY SYSTEM.....390-459	16,594	122	1,190	4,786	10,496
17 ESSENTIAL HYPERTENSION.....401	1,932	9	220	756	946
18 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	10,165	77	519	2,919	6,649
19 ACUTE MYOCARDIAL INFARCTION.....410	683	2	37	258	387
20 ATHEROSCLEROTIC HEART DISEASE.....414.0	1,877	6	31	448	1,392
21 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	2,374	10	127	991	1,247
22 CONGESTIVE HEART FAILURE.....428.0	1,335	16	25	220	1,073
23 CEREBROVASCULAR DISEASE.....430-438	1,709	12	44	346	1,307
24 8. DISEASES OF THE RESPIRATORY SYSTEM.....460-519	6,738	1,472	1,337	1,522	2,407
25 ACUTE BRONCHITIS AND BRONCHIOLITIS.....466	344	123	55	64	102
26 OTHER ACUTE UPPER RESPIRATORY INFECTIONS, EXCEPT INFLUENZA....460-465	537	278	132	62	65
27 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	570	391	171	6	*1
28 PNEUMONIA, ALL FORMS.....480-486	1,207	305	163	224	515
29 ASTHMA.....493	604	155	139	159	151
30 9. DISEASES OF THE DIGESTIVE SYSTEM.....520-579	8,742	679	2,510	2,561	2,992
31 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	613	6	151	214	243
32 GASTRITIS AND DUODENITIS.....535	628	30	246	195	157
33 APPENDICITIS.....540-543	316	83	185	34	14
34 INGUINAL HERNIA.....550	607	110	151	180	167
35 NONINFECTIOUS ENTERITIS AND COLITIS.....555-558	829	244	252	141	192
36 CHOLELITHIASIS.....574	704	3	200	227	274
37 10. DISEASES OF THE GENITOURINARY SYSTEM.....580-629	7,646	302	3,414	1,933	1,997
38 CALCULUS OF KIDNEY AND URETER.....592	391	2	167	152	70
39 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	604	3	469	128	5
40 11. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....2/ 630-676	5,668	28	5,629	11	...
41 ALL ABORTIONS, INCLUDING ECTOPIC AND MOLAR PREGNANCIES.....630-639	559	4	552	3	...
42 12. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	1,282	127	429	355	371
43 13. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	5,008	121	1,471	1,556	1,861
44 ARTHROPATHIES AND RELATED DISORDERS.....710-719	1,671	37	320	449	865
45 INTERVERTEBRAL DISC DISORDERS.....722	534	2	234	209	89
46 14. CONGENITAL ANOMALIES.....740-759	725	306	217	111	90
47 15. CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	177	164	2	9	*2
48 16. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	4,381	479	1,209	1,177	1,516
49 17. INJURY AND POISONING.....800-999	6,435	683	3,266	1,203	1,282
50 FRACTURES, ALL SITES.....800-829	1,687	188	697	290	511
51 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	502	7	310	130	55
52 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	388	87	211	48	43
53 LACERATIONS AND OPEN WOUNDS.....870-904	738	78	474	108	77
54 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	7,153	149	5,173	831	1,000
55 PERSONS ADMITTED FOR STERILIZATION.....V25.2	672	-	657	11	4
56 FEMALES WITH DELIVERIES.....V27	3,762	16	3,741	5	...

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

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

TABLE 17. NUMBER OF ALL-LISTED DIAGNOSES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY DIAGNOSTIC CATEGORY AND AGE, SEX, RACE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1980-CON.

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

SEX		RACE		GEOGRAPHIC REGION				BED SIZE					
MALE	FEMALE	WHITE	ALL OTHER	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE	
NUMBER OF ALL-LISTED DIAGNOSES IN THOUSANDS--CON.													
35,815	54,582	68,577	11,432	18,981	26,241	30,786	14,389	18,555	16,005	16,049	20,728	19,060	01
664	848	1,095	259	308	425	560	219	314	267	262	337	333	02
1,749	2,406	3,265	441	1,055	1,215	1,214	671	510	638	719	1,112	1,177	03
1,445	1,508	2,354	275	755	881	819	498	349	435	485	806	878	04
304	898	911	166	300	334	395	173	161	203	234	306	299	05
1,837	3,154	3,755	710	1,094	1,491	1,695	711	1,079	884	925	1,148	955	06
899	1,381	1,679	362	584	657	742	296	457	408	401	555	458	07
544	888	1,003	286	335	399	472	226	275	228	244	345	339	08
1,937	2,002	2,882	548	994	1,225	1,096	624	942	624	654	951	767	09
410	451	627	138	221	256	215	169	162	148	132	224	195	10
644	195	535	167	331	239	140	129	260	107	133	197	142	11
1,760	2,060	2,928	430	784	1,241	1,129	666	604	646	675	964	931	12
564	625	915	148	251	372	376	189	216	192	204	283	294	13
221	307	410	45	109	157	144	118	56	107	88	154	123	14
431	404	643	78	159	301	259	117	125	156	182	206	167	15
7,867	8,727	13,142	1,674	3,892	4,639	5,586	2,477	3,584	2,922	3,030	3,844	3,214	16
764	1,168	1,412	319	414	577	668	273	432	322	349	436	393	17
3,227	3,043	5,147	484	1,619	1,733	1,984	933	1,314	1,116	1,143	1,471	1,226	18
418	265	563	46	182	180	211	110	140	122	125	156	139	19
908	969	1,552	129	554	553	554	216	325	381	356	455	361	20
1,343	1,031	1,973	169	555	620	803	395	518	381	426	561	487	21
557	778	1,058	140	327	379	416	212	331	231	236	299	238	22
778	931	1,335	186	379	476	603	252	414	293	320	359	323	23
3,527	3,211	5,308	684	1,287	1,984	2,502	966	1,799	1,289	1,206	1,378	1,065	24
162	182	264	42	58	101	144	41	109	76	55	68	36	25
250	287	398	72	99	160	227	51	161	115	90	102	68	26
251	319	440	47	98	199	170	103	90	112	142	137	89	27
643	564	935	152	220	321	498	168	414	220	187	209	177	28
257	347	436	103	140	168	197	100	143	107	100	138	116	29
3,901	4,841	6,793	946	1,746	2,547	3,244	1,205	2,073	1,626	1,608	1,885	1,549	30
318	295	481	65	107	169	254	83	177	105	112	123	96	31
283	344	484	75	100	179	284	65	209	125	114	105	74	32
159	157	247	30	65	82	112	57	83	58	56	66	53	33
543	64	471	59	166	172	165	104	103	108	114	150	132	34
338	491	652	79	135	241	354	99	246	176	129	160	118	35
198	506	555	65	155	202	241	106	140	136	141	160	126	36
2,287	5,360	5,799	1,019	1,539	2,155	2,881	1,072	1,382	1,488	1,443	1,742	1,592	37
258	133	326	21	76	104	158	53	76	69	77	95	75	38
...	604	455	80	148	165	219	73	96	135	106	142	126	39
...	5,668	3,881	1,107	1,154	1,554	1,903	1,057	831	1,005	938	1,335	1,559	40
...	559	337	159	185	131	160	83	71	103	89	114	183	41
588	694	959	184	277	382	436	187	301	211	220	297	252	42
1,927	3,081	3,826	493	848	1,629	1,701	830	1,157	889	909	1,071	982	43
580	1,090	1,302	157	284	545	577	264	406	285	284	362	334	44
279	255	400	44	76	170	177	111	86	94	116	121	116	45
344	381	564	88	144	228	235	118	115	99	114	160	237	46
100	77	127	26	29	56	53	38	20	23	33	51	49	47
1,995	2,386	3,301	593	806	1,234	1,618	723	995	739	754	948	944	48
3,606	2,829	4,799	820	1,217	1,812	2,136	1,270	1,413	1,166	1,118	1,457	1,281	49
887	800	1,296	157	329	486	516	357	307	301	304	422	353	50
237	265	337	99	90	120	218	74	161	114	74	88	64	51
238	151	285	55	91	107	115	76	96	74	65	87	66	52
521	217	531	123	129	197	270	141	168	116	122	173	159	53
1,183	5,970	5,150	1,123	1,472	2,026	2,324	1,330	1,159	1,260	1,196	1,705	1,833	54
21	651	478	121	138	160	286	88	125	157	119	136	135	55
...	3,762	2,633	662	717	1,028	1,307	709	562	679	653	878	990	56

TABLE 18. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY, AGE, SEX, AND RACE: UNITED STATES, 1980

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL AGES					1/ 15 YEARS AND OVER
	1/ SEX		RACE			
	BOTH SEXES	MALE	FEMALE	WHITE	ALL OTHER	
ALL PROCEDURES.....	31,412	11,891	19,521	24,038	3,848	29,165
1. OPERATIONS ON THE NERVOUS SYSTEM.....01-05	728	362	366	547	94	623
2. OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	117	32	85	94	12	113
3. OPERATIONS ON THE EYE.....08-16	1,050	451	599	832	95	984
EXTRACTION OF LENS.....13.1-13.6	467	194	274	367	37	460
4. OPERATIONS ON THE EAR.....18-20	415	218	197	320	35	164
MYRINGOTOMY.....20.0	221	124	97	174	16	19
5. OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,603	779	824	1,276	122	1,128
RHINOPLASTY AND REPAIR OF NOSE.....21.8	236	115	120	203	9	227
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	464	195	269	357	37	170
6. OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	868	538	330	683	103	812
THORACENTESIS.....34.91	93	44	49	75	12	91
7. OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	1,352	821	531	1,099	130	1,287
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	196	138	58	171	7	187
CARDIAC CATHETERIZATION.....37.21-37.23	348	228	120	296	26	322
LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5	63	21	42	51	3	62
REPAIR OF INGUINAL HERNIA.....39.0-39.2	98	60	39	72	19	96
8. OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	321	156	165	256	39	304
9. OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,320	2,334	2,986	4,096	606	5,001
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE...43.5-43.8,45.6-45.8	218	95	123	171	21	215
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	291	146	145	223	29	214
HEMORRHOIDECTOMY.....49.43-49.46	173	92	80	130	20	172
CHOLECYSTECTOMY.....51.2	458	122	336	356	43	456
REPAIR OF INGUINAL HERNIA.....53.0-53.1	537	483	54	420	51	437
DIVISION OF PERITONEAL ADHESIONS.....54.5	228	32	197	165	38	225
10. OPERATIONS ON THE URINARY SYSTEM.....55-59	1,921	1,087	834	1,516	213	1,774
DILATION OF URETHRA.....58.6	200	91	110	159	23	175
11. OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	799	799	...	600	100	688
PROSTATECTOMY.....60.2-60.6	335	335	...	263	27	335
ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5	77	77	...	59	9	51
VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7	40	40	...	34	2	40
12. OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	4,274	...	4,274	3,137	662	4,259
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	483	...	483	361	64	482
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	641	...	641	452	118	641
HYSTERECTOMY.....68.3-68.7	649	...	649	495	81	649
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	137	...	137	65	59	134
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	292	...	292	202	57	291
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	923	...	923	692	129	920
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	162	...	162	135	7	162
13. OBSTETRICAL PROCEDURES.....72-75	3,603	...	3,603	2,577	566	3,587
CESAREAN SECTION.....74.0-74.2,74.4,74.99	619	...	619	429	114	616
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	355	...	355	249	67	353
14. OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,215	1,666	1,549	2,436	346	2,964
OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6	363	197	166	273	36	338
OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4	242	128	114	189	20	180
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	204	118	86	164	13	200
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	165	118	46	127	14	160
ARTHROPLASTY OF JOINTS.....81.3-81.8	373	160	212	286	37	365
15. OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,896	754	1,142	1,442	245	1,765
MASTECTOMY.....85.4	109	6	103	87	9	108
EXCISION OF PILONIDAL CYST OR SINUS.....86.21	46	28	18	39	3	46
SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7	183	106	77	134	31	164
16. MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	3,930	1,894	2,036	3,127	481	3,712
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	306	152	154	239	40	279
DIAGNOSTIC ULTRASOUND.....88.7	318	114	204	235	62	308
RADIOISOTOPE SCAN.....92.0-92.1	525	236	289	437	69	512

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

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



TABLE 19. RATE OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY, AGE, AND SEX: UNITED STATES, 1980

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL AGES			15 YEARS AND OVER
	BOTH SEXES	MALE	FEMALE	
	RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION			
ALL PROCEDURES.....	14,083.7	11,048.5	16,914.0	16,969.6
1. OPERATIONS ON THE NERVOUS SYSTEM.....01-05	326.3	336.4	316.9	362.3
2. OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	52.5	29.4	74.0	65.5
3. OPERATIONS ON THE EYE.....08-16	470.7	419.1	518.8	572.3
EXTRACTION OF LENS.....13.1-13.6	209.6	180.2	237.0	267.5
4. OPERATIONS ON THE EAR.....18-20	186.1	203.0	170.3	95.6
MYRINGOTOMY.....20.0	98.9	114.9	84.0	11.1
5. OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	718.7	723.8	713.9	656.5
RHINOPLASTY AND REPAIR OF NOSE.....21.8	105.8	107.3	104.4	132.2
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	208.0	181.5	232.7	98.8
6. OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	389.0	499.8	285.7	472.7
THORACENTESIS.....34.91	41.8	41.2	42.4	52.7
7. OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	606.3	762.8	460.4	748.9
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	87.8	128.3	50.0	108.9
CARDIAC CATHETERIZATION.....37.21-37.23	156.2	212.1	104.1	187.5
LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5	28.0	19.3	36.2	36.2
SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2	44.1	55.6	33.5	55.9
8. OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	144.1	145.1	143.3	176.7
9. OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	2,385.2	2,168.7	2,587.2	2,910.0
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	97.8	88.4	106.6	125.0
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	130.3	135.7	125.2	124.2
HEMORRHOIDECTOMY.....49.43-49.46	77.4	85.7	69.6	100.3
CHOLECYSTECTOMY.....51.2	205.3	113.7	290.8	265.3
REPAIR OF INGUINAL HERNIA.....53.0-53.1	240.9	449.2	46.6	254.5
DIVISION OF PERITONEAL ADHESIONS.....54.5	102.4	29.6	170.3	131.2
10. OPERATIONS ON THE URINARY SYSTEM.....55-59	861.3	1,010.2	722.5	1,032.2
DILATION OF URETHRA.....58.6	89.8	84.1	95.1	101.7
11. OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	358.2	742.2	...	400.3
PROSTATECTOMY.....60.2-60.6	150.2	311.2	...	194.9
ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5	34.7	72.0	...	29.7
VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7	18.1	37.5	...	23.5
12. OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	1,916.3	...	3,703.3	2,478.0
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	216.6	...	418.6	280.4
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	287.3	...	555.2	372.8
HYSTERECTOMY.....68.3-68.7	291.2	...	562.7	377.9
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	61.5	...	118.8	78.3
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	130.8	...	252.7	169.5
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	413.7	...	799.5	535.5
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	72.5	...	140.2	94.1
13. OBSTETRICAL PROCEDURES.....72-75	1,615.5	...	3,122.0	2,087.1
CESAREAN SECTION.....74.0-74.2,74.4,74.99	277.8	...	536.8	358.3
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	159.0	...	307.4	205.1
14. OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	1,441.6	1,548.2	1,342.1	1,724.7
OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6	162.8	182.7	144.2	196.9
OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4	108.5	119.1	98.5	104.6
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	91.6	110.1	74.5	116.1
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	73.9	110.1	40.3	93.2
ARTHROPLASTY OF JOINTS.....81.3-81.8	167.1	149.0	184.0	212.4
15. OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	849.9	700.2	989.5	1,026.8
MASTECTOMY.....85.4	48.8	5.4	89.2	62.9
EXCISION OF PILONIDAL CYST OR SINUS.....86.21	20.7	26.5	15.4	26.5
SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7	82.1	98.3	67.0	95.4
16. MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	1,762.0	1,759.8	1,764.1	2,160.0
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	137.2	140.8	133.8	162.1
DIAGNOSTIC ULTRASOUND.....88.7	142.8	106.1	177.0	179.0
RADIOISOTOPE SCAN.....92.0-92.1	235.3	219.1	250.4	297.7

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, 1980

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL REGIONS	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST
NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS					
ALL PROCEDURES.....	31,412	6,920	9,386	9,770	5,335
1. OPERATIONS ON THE NERVCUS SYSTEM.....01-05	728	154	221	210	143
2. OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	117	20	36	37	24
3. OPERATIONS ON THE EYE.....08-16	1,050	192	343	280	234
EXTRACTION OF LENS.....13.1-13.6	467	96	140	124	107
4. OPERATIONS ON THE EAR.....18-20	415	78	166	116	55
MYRINGOTOMY.....20.0	221	45	83	69	24
5. OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,603	351	611	414	227
RHINOPLASTY AND REPAIR OF NOSE.....21.8	236	52	101	48	34
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	464	79	154	139	92
6. OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	868	210	256	249	153
THORACENTESIS.....34.91	93	25	30	22	16
7. OPERATIONS ON THE CARDICVASCULAR SYSTEM.....35-39	1,352	273	426	364	290
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	196	30	68	48	49
CARDIAC CATHETERIZATION.....37.21-37.23	348	55	114	102	77
LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5	63	18	21	15	9
SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2	98	21	26	27	23
8. OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	321	84	99	90	48
9. OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,320	1,203	1,539	1,771	807
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	218	60	60	63	36
APPECTOMY, EXCLUDING INCIDENTAL.....47.0	291	62	74	99	56
HEMORRHOIDECTOMY.....49.43-49.46	173	34	51	66	21
CHOLECYSTECTOMY.....51.2	458	100	130	154	74
REPAIR OF INGUINAL HERNIA.....53.0-53.1	537	151	151	146	90
DIVISION OF PERITONEAL ADHESIONS.....54.5	228	45	62	88	33
10. OPERATIONS ON THE URINARY SYSTEM.....55-59	1,921	408	617	650	247
DILATION OF URETHRA.....58.6	200	31	72	82	16
11. OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	799	193	230	253	123
PROSTATECTOMY.....60.2-60.6	335	82	103	90	59
ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5	77	22	21	22	12
VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7	40	8	11	16	5
12. OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	4,274	1,075	1,106	1,489	603
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	483	94	128	174	87
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	641	126	152	278	85
HYSTERECTOMY.....68.3-68.7	649	107	175	260	108
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	137	78	24	21	15
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	292	71	82	98	41
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	923	296	255	276	96
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	162	30	42	62	28
13. OBSTETRICAL PROCEDURES.....72-75	3,603	695	1,057	1,146	704
CESAREAN SECTION.....74.0-74.2,74.4,74.99	619	138	153	219	109
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	355	61	103	109	82
14. OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,215	558	1,032	948	676
OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6	363	68	102	105	88
OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4	242	48	69	73	52
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	204	29	59	75	41
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	165	24	53	51	37
ARTHROPLASTY OF JOINTS.....81.3-81.8	373	57	146	97	73
15. OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,896	400	569	646	281
MASTECTOMY.....85.4	109	31	32	28	17
EXCISION OF PILONICAL CYST OR SINUS.....86.21	46	15	13	13	6
SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7	183	35	56	64	28
16. MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	3,930	1,025	1,077	1,107	720
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	306	89	86	59	72
DIAGNOSTIC ULTRASOUND.....88.7	318	120	68	72	58
RADIOISOTOPE SCAN.....92.0-92.1	525	223	107	120	74

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, 1980

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL REGIONS	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST
RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION					
ALL PROCEDURES.....	14,083.7	14,278.3	16,168.0	13,191.3	12,569.7
1. OPERATIONS ON THE NERVOUS SYSTEM.....01-05	326.3	317.5	380.7	282.9	337.9
2. OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	52.5	42.1	61.2	50.4	56.0
3. OPERATIONS ON THE EYE.....08-16	470.7	396.5	591.4	378.7	550.9
EXTRACTION OF LENS.....13.1-13.6	209.6	198.5	240.3	168.0	252.9
4. OPERATIONS ON THE EAR.....18-20	186.1	161.4	285.3	157.1	129.1
MYRINGOTOMY.....20.0	98.9	92.1	142.5	93.6	56.3
5. OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	718.7	723.7	1,052.8	559.6	533.7
RHINOPLASTY AND REPAIR OF NOSE.....21.8	105.8	107.4	174.8	65.5	80.0
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	208.0	162.6	265.5	187.9	216.1
6. OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	389.0	433.6	440.7	335.9	359.9
THORACENTESIS.....34.91	41.8	52.1	51.5	29.3	38.7
7. OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	606.3	563.5	733.4	490.8	683.2
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	87.8	62.4	117.5	65.2	115.6
CARDIAC CATHETERIZATION.....37.21-37.23	156.2	112.8	197.1	137.7	182.0
LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5	28.0	36.5	35.7	20.1	21.7
SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2	44.1	44.3	45.1	37.1	55.1
8. OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	144.1	174.2	171.0	120.9	113.6
9. OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	2,385.2	2,481.9	2,650.7	2,391.0	1,902.0
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	97.8	123.3	102.9	85.1	83.9
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	130.3	127.7	126.8	134.0	131.5
HEMORRHOIDECTOMY.....49.43-49.46	77.4	69.8	87.7	89.6	50.6
CHOLECYSTECTOMY.....51.2	205.3	206.4	224.4	207.8	173.8
REPAIR OF INGUINAL HERNIA.....53.0-53.1	240.9	310.6	260.0	197.1	211.4
DIVISION OF PERITONEAL ADHESIONS.....54.5	102.4	93.1	106.7	119.0	78.3
10. OPERATIONS ON THE URINARY SYSTEM.....55-59	861.3	842.1	1,062.4	877.0	581.1
DILATION OF URETHRA.....58.6	89.8	63.4	124.4	110.2	37.1
11. OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	358.2	397.4	396.7	341.1	290.5
PROSTATECTOMY.....60.2-60.6	150.2	168.8	178.2	122.2	139.5
ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5	34.7	45.0	36.8	30.1	28.2
VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7	18.1	17.3	18.8	21.2	12.6
12. OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	1,916.3	2,218.2	1,905.9	2,010.8	1,421.3
ODPHORECTOMY AND SALPINGO-ODPHORECTOMY.....65.3-65.6	216.6	193.5	221.3	234.3	205.6
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	287.3	259.9	261.9	374.7	200.8
HYSTERECTOMY.....68.3-68.7	291.2	220.0	302.1	350.6	253.9
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	61.5	160.6	41.0	28.2	34.2
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	130.8	146.2	140.7	131.9	97.6
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	413.7	610.1	438.7	373.0	226.4
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	72.5	61.0	72.7	84.0	65.6
13. OBSTETRICAL PROCEDURES.....72-75	1,615.5	1,434.5	1,821.6	1,547.3	1,659.5
CESAREAN SECTION.....74.0-74.2,74.4,74.99	277.8	285.2	264.1	295.9	256.3
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	159.0	125.8	176.8	147.4	193.2
14. OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	1,441.6	1,152.3	1,778.0	1,280.6	1,592.8
OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6	162.8	139.5	175.4	142.0	208.4
OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4	108.5	99.1	118.4	98.5	122.9
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	91.6	60.1	102.1	101.1	96.8
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	73.9	49.2	91.4	68.9	87.2
ARTHROPLASTY OF JOINTS.....81.3-81.8	167.1	117.6	250.8	130.9	172.5
15. OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	849.9	824.7	980.2	872.2	661.7
MASTECTOMY.....85.4	48.8	64.5	55.0	38.5	40.4
EXCISION OF PILONIDAL CYST OR SINUS.....86.21	20.7	30.7	21.7	17.9	13.0
SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7	82.1	72.8	96.5	85.9	66.3
16. MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	1,762.0	2,114.8	1,856.0	1,495.2	1,696.4
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	137.2	183.6	147.5	79.7	170.4
DIAGNOSTIC ULTRASOUND.....88.7	142.8	247.7	117.2	97.2	137.5
RADIOISOTOPE SCAN.....92.0-92.1	235.3	460.9	184.9	161.9	174.7

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, 1980

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS						
ALL PROCEDURES.....	31,412	3,841	5,470	5,785	7,900	8,415
1. OPERATIONS ON THE NERVOUS SYSTEM.....01-05	728	59	95	123	196	254
2. OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	117	9	15	22	30	41
3. OPERATIONS ON THE EYE.....08-16	1,050	111	198	159	310	272
EXTRACTION OF LENS.....13.1-13.6	467	46	95	75	141	110
4. OPERATIONS ON THE EAR.....18-20	415	26	71	101	115	102
MYRINGOTOMY.....20.0	221	13	40	61	60	46
5. OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,603	226	285	356	401	335
RHINOPLASTY AND REPAIR OF NOSE.....21.8	236	37	43	51	50	54
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	464	79	95	113	106	71
6. OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	868	53	122	155	243	294
THORACENTESIS.....34.91	93	11	17	15	26	25
7. OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	1,352	43	129	227	410	543
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	196	-	8	26	57	105
CARDIAC CATHETERIZATION.....37.21-37.23	348	5	23	56	96	169
LIGATION AND STRIPPING OF VARICOSE VEINS.....38.5	63	7	10	13	19	14
SYSTEMIC SHUNT OR GRAFT BYPASS.....39.0-39.2	98	4	11	17	34	32
8. OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	321	26	37	56	93	110
9. OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,320	751	984	1,068	1,263	1,254
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	218	26	35	38	60	60
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	291	74	55	53	61	48
HEMORRHOIDECTOMY.....49.43-49.46	173	31	30	40	41	30
CHOLECYSTECTOMY.....51.2	458	78	89	93	105	93
REPAIR OF INGUINAL HERNIA.....53.0-53.1	537	87	97	100	132	121
DIVISION OF PERITONEAL ADHESIONS.....54.5	228	24	52	44	54	55
10. OPERATIONS ON THE URINARY SYSTEM.....55-59	1,921	217	363	401	489	451
DILATION OF URETHRA.....58.6	200	31	43	58	44	23
11. OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	799	105	150	144	208	191
PROSTATECTOMY.....60.2-60.6	335	33	72	61	86	83
ORCHIECTOMY AND ORCHIOPEXY.....62.3-62.5	77	10	10	14	20	24
VASECTOMY AND LIGATION OF VAS DEFERENS.....63.7	40	8	7	9	10	7
12. OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	4,274	580	885	766	1,000	1,043
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	483	61	96	92	124	110
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	641	117	152	113	127	132
HYSTERECTOMY.....68.3-68.7	649	79	131	130	153	157
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	137	10	30	11	23	63
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	292	46	52	53	68	72
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	923	130	176	161	232	223
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	162	20	41	32	34	34
13. OBSTETRICAL PROCEDURES.....72-75	3,603	449	637	597	922	999
CESAREAN SECTION.....74.0-74.2,74.4,74.99	619	68	116	101	151	183
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	355	52	49	53	92	108
14. OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,215	554	530	583	786	762
OPEN REDUCTION OF FRACTURE.....76.79,79.2-79.3,79.5-79.6	363	50	69	73	94	78
OTHER REDUCTION OF FRACTURE.....76.70,76.78,79.0-79.1,79.4	242	61	42	44	51	44
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	204	8	31	36	51	78
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	165	22	27	32	45	38
ARTHROPLASTY OF JOINTS.....81.3-81.8	373	72	57	62	88	94
15. OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,896	346	305	359	465	421
MASTECTOMY.....85.4	109	11	19	24	29	26
EXCISION OF PILONIDAL CYST OR SINUS.....86.21	46	7	6	11	13	9
SKIN GRAFT (EXCEPT LIP OR MOUTH).....86.6-86.7	183	21	26	38	51	46
16. MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	3,930	286	662	669	969	1,344
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	306	7	53	30	73	144
DIAGNOSTIC ULTRASOUND.....88.7	318	12	41	52	84	129
RADIOISOTOPE SCAN.....92.0-92.1	525	33	112	96	114	170

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

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# Appendix I. Technical notes on methods

## Statistical design of the National Hospital Discharge Survey

*Scope of the survey.*—The National Hospital Discharge Survey (NHDS) encompasses patients discharged from noninstitutional hospitals, exclusive of military and Veterans Administration hospitals, located in the 50 States and the District of Columbia. Only hospitals with six beds or more for patient use and those in which the average length of stay for all patients is less than 30 days are included in the survey. Although all discharges of patients from these hospitals are within the scope of the survey, discharges of newborn infants from all hospitals, as well as discharges of all patients from Federal hospitals, are excluded from this report.

*Sampling frame and size of sample.*—The sampling frame (universe) for hospitals in the NHDS is the Master Facility Inventory of Hospitals and Institutions (MFI). A detailed description of the development, contents, plans for maintenance, and procedures for assessing completeness of coverage of the MFI has been previously published.<sup>8</sup>

The original universe for the survey consisted of 6,965 short-stay hospitals contained in the MFI in 1963. This universe is periodically updated, as shown in table I. The distribution of the hospitals in the NHDS universe and sample for 1980 is given by bed size and geographic region in table II.

The sample for 1980 consisted of 544 hospitals. Of these, 72 refused to participate, and 52 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 420 hospitals participated in the survey during 1980 and provided approximately 224,000 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

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

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

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

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

In nearly all hospitals, the daily listing sheet of discharges was the frame from which the subsamples of discharges were selected within the sample hospitals. The sample discharges were selected by a random technique, usually on the basis of the terminal digit(s) of the patient's medical record number that was assigned when the patient was admitted to the hospital. If the hospital's daily discharge listing did

NOTE: A list of references follows the text.

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, 1980

<i>Bed size of hospital</i>	<i>All regions</i>	<i>North-east</i>	<i>North Central</i>	<i>South</i>	<i>West</i>
All sizes					
	Number of hospitals				
Universe . . . . .	8,017	1,784	2,148	3,196	1,489
Total sample . . . . .	544	132	153	176	83
Number participating . . . . .	420	108	119	131	62
6-49 beds					
Universe . . . . .	3,521	223	899	1,670	729
Total sample . . . . .	70	8	18	30	14
Number participating . . . . .	41	5	13	16	7
50-99 beds					
Universe . . . . .	1,897	301	486	737	373
Total sample . . . . .	80	14	20	32	14
Number participating . . . . .	58	10	14	24	10
100-199 beds					
Universe . . . . .	1,411	298	412	479	222
Total sample . . . . .	122	26	34	43	19
Number participating . . . . .	98	22	29	31	16
200-299 beds					
Universe . . . . .	624	195	166	165	98
Total sample . . . . .	98	31	27	24	16
Number participating . . . . .	76	26	21	17	12
300-499 beds					
Universe . . . . .	411	113	134	111	53
Total sample . . . . .	98	25	32	29	12
Number participating . . . . .	80	20	24	27	9
500-999 beds					
Universe . . . . .	135	45	48	29	13
Total sample . . . . .	58	19	19	13	7
Number participating . . . . .	51	17	15	12	7
1,000 beds or more					
Universe . . . . .	18	9	3	5	1
Total sample . . . . .	18	9	3	5	1
Number participating . . . . .	16	8	3	4	1

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

### Data collection and processing

*Data collection.*—Depending on the study procedure agreed on with the hospital administrator, the sample selection and the transcription of information from the hospital records to abstract forms were performed either by the hospital staff or by representatives of the National Center for Health Statistics (NCHS) or by both. In about 55 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 were then sent to NCHS for processing.

*Medical coding and edit.*—The medical information recorded on the sample patient abstracts was coded centrally by the NCHS staff. A maximum of

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

FORM HDS-1  
(6-13-79)

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

## MEDICAL ABSTRACT — HOSPITAL DISCHARGE SURVEY

### A. PATIENT IDENTIFICATION

1. Hospital number . . . . .

2. HDS number . . . . .

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

4. Date of admission. . .   -   -

5. Date of discharge. . .   -   -

6. Residence ZIP code

### B. PATIENT CHARACTERISTICS

7. Date of birth. . .   -   -

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

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

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

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

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

13. Expected source(s) of payment

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

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

1  Routine discharge/discharged home

2  Left against medical advice

3  Discharged/transferred to another facility or organization

4  Discharged/referred to organized home care service

5  Died

6  Not stated

### C. FINAL DIAGNOSES

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

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

See reverse side

### D. SURGICAL AND DIAGNOSTIC PROCEDURES

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

Other additional: \_\_\_\_\_   -   -

\_\_\_\_\_   -   -

\_\_\_\_\_   -   -

NONE                       See reverse side

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

Figure 1. Medical abstract for the National Hospital Discharge Survey



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

The system currently used for coding the diagnoses and procedures on NHDS sample patient abstracts is the *International Classification of Diseases, 9th Revision, Clinical Modification*<sup>2</sup> (ICD-9-CM). Earlier data for 1970-78 were coded according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*<sup>3</sup> (ICDA), with some modifications. These modifications, which were necessary because of incomplete or ill-defined terminology in the abstracts, are presented elsewhere.<sup>6</sup> It has not been necessary, however, to modify the ICD-9-CM for use in the NHDS.

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

In the section on diseases and injuries, some classes have been extensively restructured in the ICD-9-CM, most notably Classes VI (Diseases of the Nervous System and Sense Organs), XI (Complications of Pregnancy, Childbirth, and the Puerperium), XIII (Diseases of the Musculoskeletal System and Connective Tissue), and XV (Certain Conditions Originating in the Perinatal Period). In addition, many revisions have been made to parts of other classes; specifically, Class II (Neoplasms), Class VII (Diseases of the Circulatory System), Class XVII (Injury and Poisoning), and the Supplementary Classifications. In many cases, certain diagnoses were moved from one class to another, more appropriate one. For example, signs and symptoms that are generally considered to be applicable to a specific body system (for example, the digestive system, or the circulatory system) were moved to the appropriate class rather than left in Class XVI (Symptoms, Signs, and Ill-Defined Conditions).

The entire procedure section has also been extensively restructured in the ICD-9-CM. In addition to an increase in the specificity of the procedures, revisions include the presentation of procedures by anatomical site rather than by surgical specialty as was the case with the ICDA. Moreover, biopsies and

NOTE: A list of references follows the text.

other diagnostic procedures, which had previously been grouped into one class (the "A" codes), are now reallocated among the classes according to the particular anatomical site. More types of nonsurgical diagnostic and therapeutic procedures have also been added.

Prior to 1979, data on radiotherapy and physical medicine and rehabilitation (ICDA codes R1-R4) and some obstetrical procedures were not collected by the NHDS. The obstetrical procedures not coded were artificial rupture of membranes; external, internal and combined version; outlet and low forceps delivery with and without episiotomy; and episiotomy (ICDA codes 75.0-75.6 and 75.9). In addition, data for diagnostic endoscopy, radiography, and other nonsurgical procedures (ICDA codes A4-A9 and R9), although coded, were not published. Starting with 1979 data, however, coding of procedures is done by following the guidelines of the Uniform Hospital Discharge Data Set (UHDDS).<sup>10,11</sup> The UHDDS is a minimum data set of items uniformly defined and abstracted from hospital medical records. These items were selected on the basis of their continuous utility to organizations and agencies requiring hospital inpatient information.

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

### Presentation of estimates

*Grouping of diagnoses and procedures.*—In this report the diagnostic classes, the broadest groupings of diseases and injuries shown, correspond to ICD-9-CM Classes I-XVII and the Supplementary classification of factors influencing health status and contact with health service. The diagnostic categories, the most detailed groupings of diseases and injuries shown, are subsets of the major groups or classes. The titles and the ordering of the categories in the tabular list developed for the NHDS follow the format of the ICD-9-CM tabular list as closely as possible.

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

groups and are based on the 4-digit codes provided by the ICD-9-CM.

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

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

If the race of the patient was not identified on the hospital records, it was recorded as "not stated" for the NHDS. Because this item was not stated for 12 percent of all discharges, rates by race were not computed. Caution should be used in drawing conclusions from the data by race which are shown. In the detailed tables presenting frequencies, rates, and average lengths of stay, the totals include the cases not stated.

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

*Rounded numbers.*—Estimates of the numbers of inpatient discharges, 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 unpublished estimates for the U.S. civilian noninstitutionalized population on July 1 of the data year provided by the U.S. Bureau of the Census. The estimates by age and sex and by geographic region are presented in table III and are consistent with the population estimates published in *Current Population Reports*, Series P-25. However, they are not official population estimates of the Bureau of the Census.

### Reliability of estimates

*Estimation.*—Statistics produced by the NHDS are derived by a complex estimating procedure. The basic unit of estimation is the sample inpatient discharge abstract. The estimating procedure used to produce essentially unbiased national estimates in the NHDS has three principal components: inflation by

Table III. Civilian noninstitutionalized population by sex, age, and geographic region: United States, July 1, 1980  
[Population estimates consistent with Series P-25, *Current Population Reports*, U.S. Bureau of the Census]

Age and geographic region	Both sexes	Male	Female
Population in thousands			
All ages . . . . .	223,035	107,624	115,411
Northeast . . . . .	48,468	23,123	25,345
North Central . . . . .	58,053	28,172	29,881
South . . . . .	74,067	35,547	38,520
West . . . . .	42,447	20,783	21,664
0-14 years . . . . .	51,169	26,146	25,023
Under 1 year . . . . .	3,509	1,796	1,713
1-4 years . . . . .	12,916	6,605	6,311
5-14 years . . . . .	34,744	17,745	17,000
Northeast . . . . .	10,332	5,279	5,054
North Central . . . . .	13,559	6,936	6,623
South . . . . .	17,438	8,904	8,534
West . . . . .	9,839	5,027	4,812
15-44 years . . . . .	103,332	50,534	52,798
15-24 years . . . . .	41,203	20,316	20,886
25-34 years . . . . .	36,686	17,883	18,803
35-44 years . . . . .	25,442	12,333	13,109
Northeast . . . . .	21,942	10,657	11,286
North Central . . . . .	26,823	13,215	13,608
South . . . . .	34,092	16,531	17,561
West . . . . .	20,474	10,131	10,343
45-64 years . . . . .	44,188	20,960	23,228
45-54 years . . . . .	22,602	10,879	11,723
55-64 years . . . . .	21,586	10,081	11,505
Northeast . . . . .	10,433	4,899	5,534
North Central . . . . .	11,382	5,447	5,935
South . . . . .	14,358	6,740	7,618
West . . . . .	8,014	3,874	4,141
65 years and over . . . . .	24,346	9,985	14,361
65-74 years . . . . .	15,365	6,667	8,699
75 years and over . . . . .	8,981	3,318	5,662
Northeast . . . . .	5,760	2,288	3,472
North Central . . . . .	6,289	2,574	3,715
South . . . . .	8,178	3,371	4,807
West . . . . .	4,119	1,751	2,368

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>12,13</sup>

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

The Institute of Medicine (IOM) has conducted three studies on the reliability of hospital abstract data collection; the most recent study was on the

NOTE: A list of references follows the text.

NHDS. The IOM NHDS study was performed by using data coded according to the ICDA; however, some of the findings are relevant to the 1980 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>14-16</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 percentage of the estimate.

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

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

NOTE: A list of references follows the text.

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, several curves are shown for a few variables whose relative standard errors are different from those in the curve for "All other variables" that is relevant to most of the estimates. For example, one curve is applicable only to estimates of discharges from voluntary nonprofit hospitals, a second curve is concerned with discharges from hospitals by bed size, and a third curve pertains to estimates of days of care in proprietary hospitals.

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

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

### Tests of significance

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

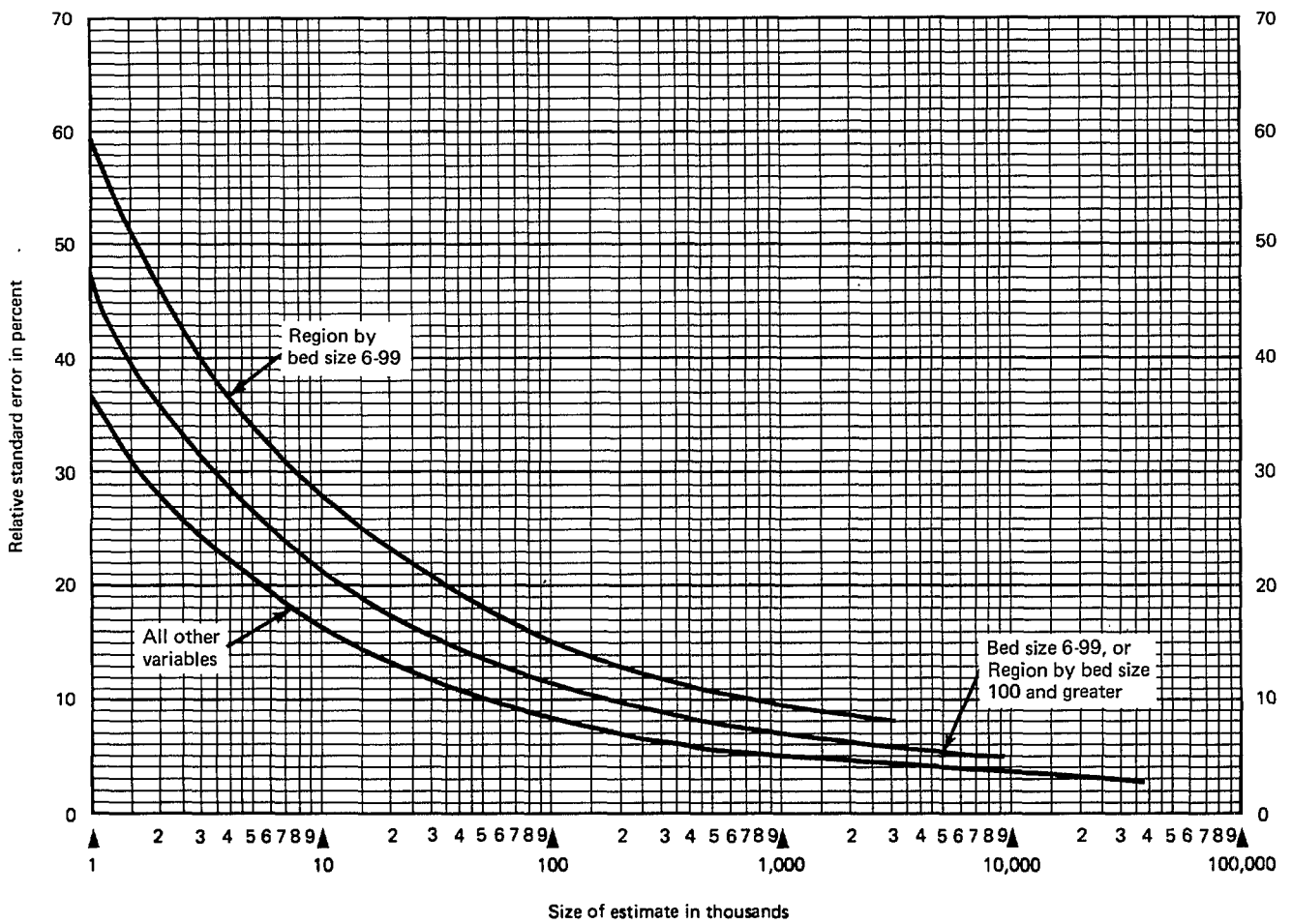


Illustration for use of figure II: As shown in table 7, an estimated 1,231,000 patients 45-64 years of age were discharged from short-stay non-Federal hospitals with 100-499 beds in the Northeast Region. The relative standard error of this estimate, as read from the curve "Region by bed size 100 and greater" is approximately 6.1 percent. The standard error is thus approximately 75,091 (6.1 percent of 1,231,000).

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

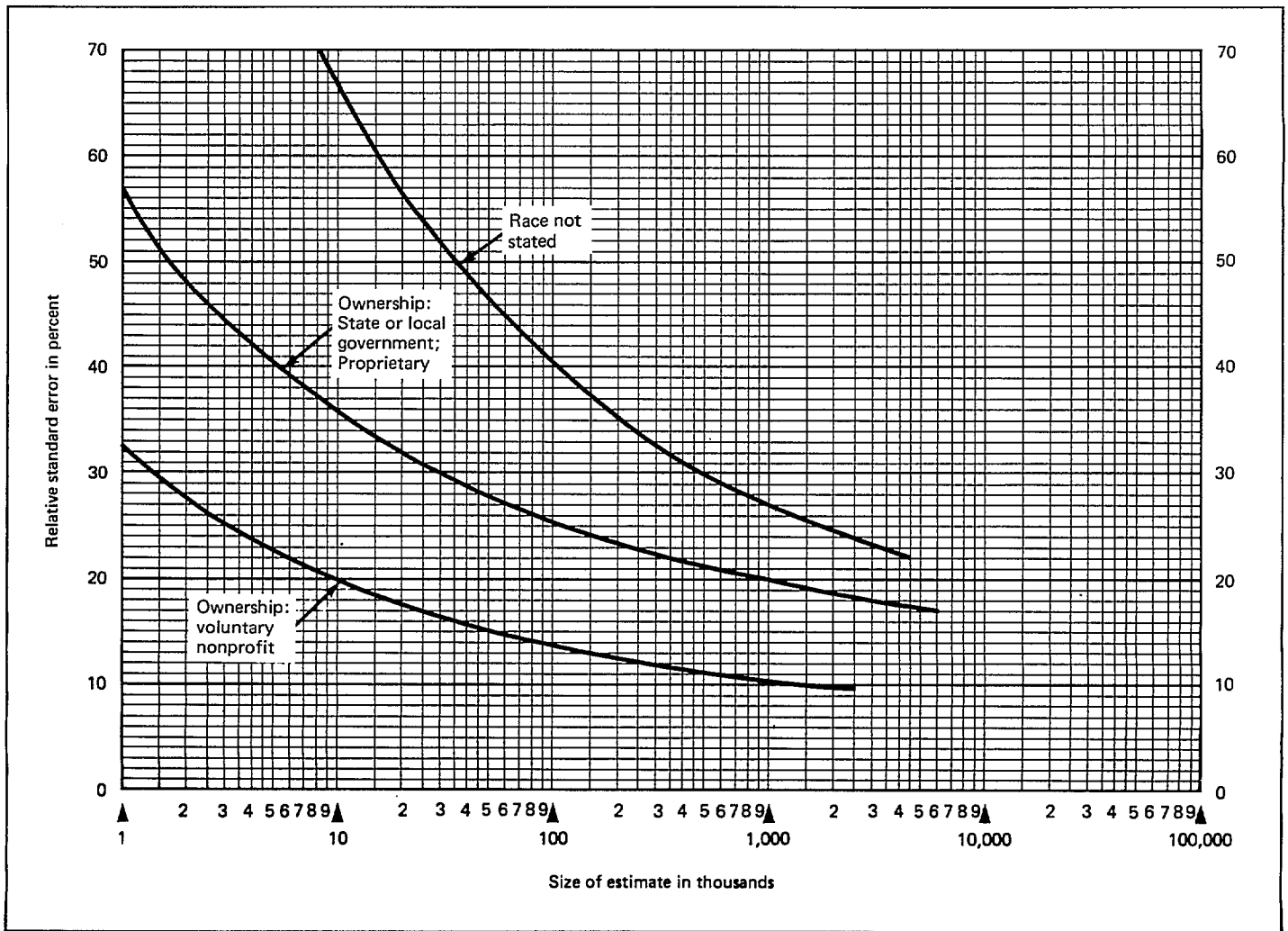


Figure II. Approximate relative standard errors of estimated numbers of patients discharged, or of first-listed diagnoses, and of all-listed diagnoses, by selected patient and hospital characteristics—Con.

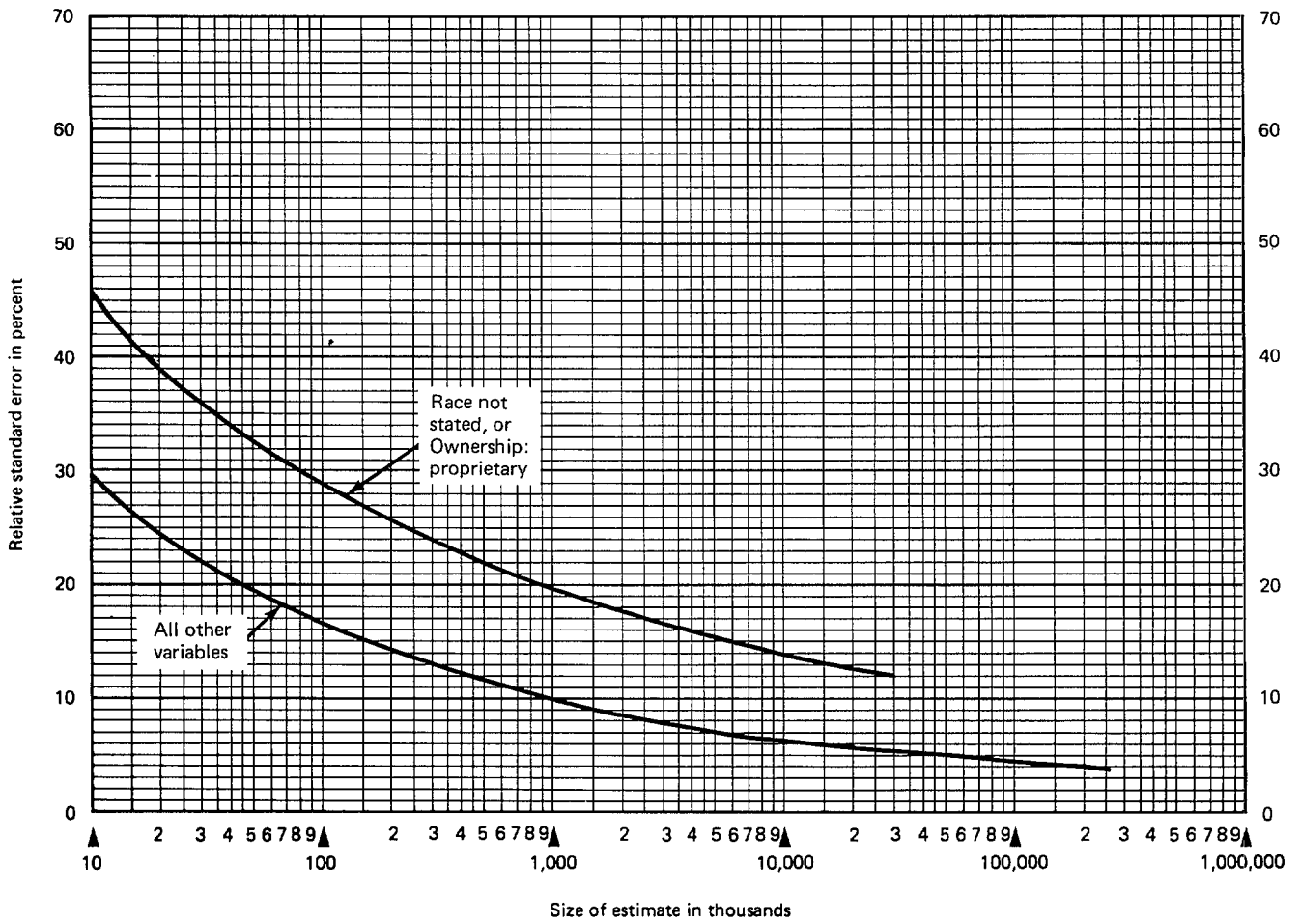


Illustration for use of figure III: As shown in table 2, an estimated 7,241,000 days of care were provided during 1980 to female patients under 15 years of age discharged from short-stay hospitals. The relative standard error of this estimate as read from the curve "All other variables" is approximately 6.7 percent. The standard error is thus approximately 485,147 (6.7 percent of 7,241,000).

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

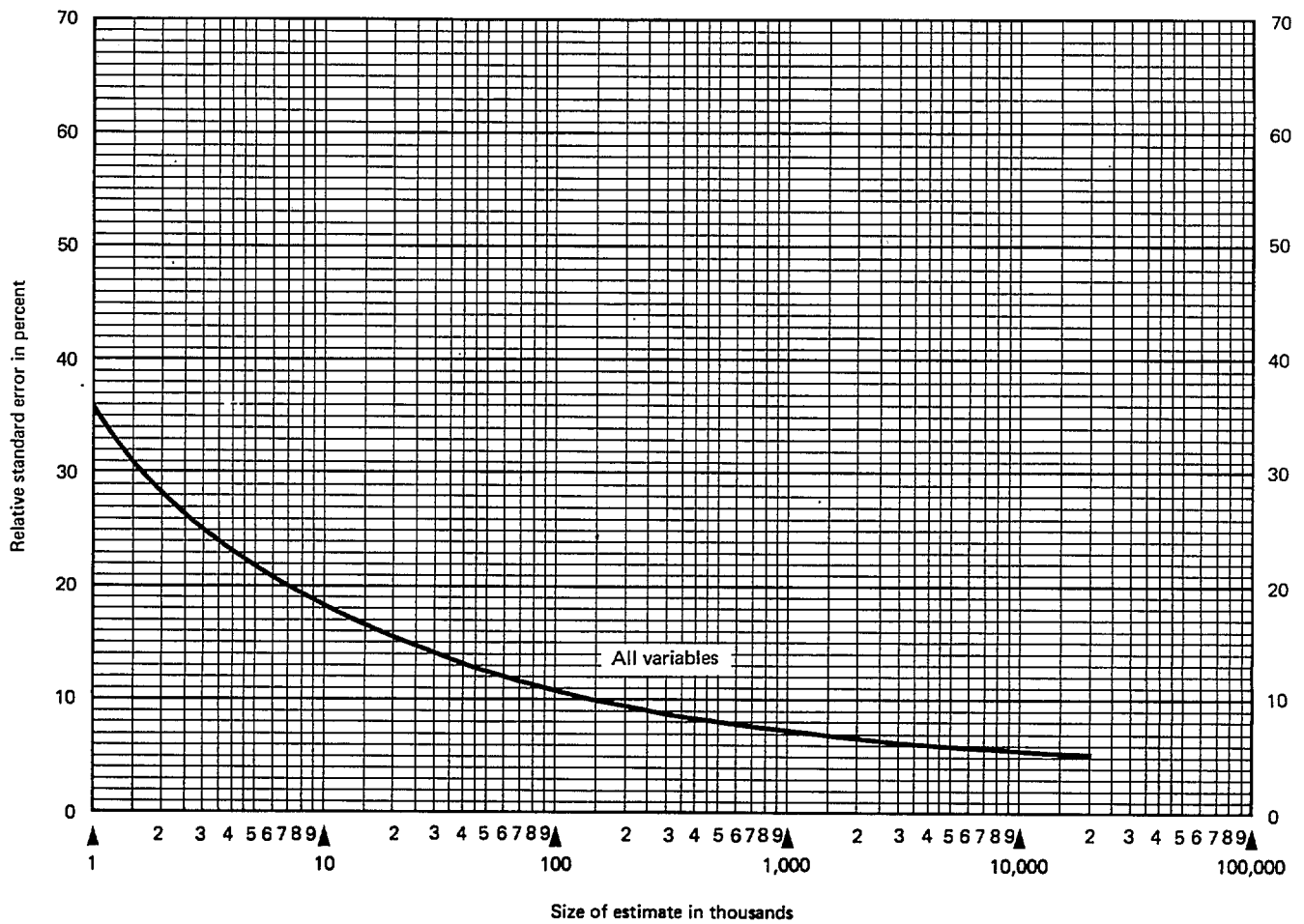


Illustration for use of figure IV: As shown in table 18, an estimated 214,000 appendectomies were performed during 1980 for patients 15 years and over discharged from short-stay hospitals. The relative standard error of this estimate as read from the curve "All variables" is approximately 9.3 percent. The standard error is thus approximately 19,902 (9.3 percent of 214,000).

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

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

### Hospitals and hospital characteristics

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

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

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

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

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

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

### Terms relating to hospitalization

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

*Discharge.*—Discharge is the formal release of a patient by a hospital; that is, the termination of a period of hospitalization by death or by disposition to place of residence, nursing home, or another hospital. The terms “discharges” and “patients discharged” are used synonymously.

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

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

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

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

### Terms relating to diagnoses

*Discharge diagnoses.*—One or more diseases or injuries (or some factor that influences health status and contact with health services which is not itself a current illness or injury) listed by the attending physician on the medical record of patients. In the NHDS all discharge (or final) diagnoses listed on the face sheet (summary sheet) of the medical record for



patients discharged from the inpatient service of short-stay hospitals are transcribed in the order listed. Each sample discharge is assigned a maximum of seven 5-digit codes according to ICD-9-CM. The number of principal or first-listed diagnoses is equivalent to the number of discharges.

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

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

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

### Terms relating to surgical and nonsurgical procedures

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

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

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

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

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

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

03.31, 03.91-03.92, 04.80-04.89, 21.01, 24.7, 31.41-31.42, 34.91-34.92, 37.92-37.93, 42.22-42.23, 44.12-44.13, 45.12-45.13, 45.22-45.24, 48.22, 50.92, 54.91, 54.97-54.98, 57.31, 58.22, 59.95, 62.91, 66.8, 69.6-69.7, 69.93, 70.0, 73.01-73.1, 73.3, 73.51-73.59, 76.96, 81.91-81.92, 82.92-82.96, 83.94-83.98, 85.91-85.92, 86.01, 87.03-87.08, 87.13-87.15, 87.31-87.35, 87.38, 87.41-87.42, 87.51-87.52, 87.54-87.66, 87.71-87.73, 87.75, 87.77-87.78, 87.81-87.84, 87.91, 87.93-87.94, 88.01-88.03, 88.12-88.15, 88.38, 88.71-88.89, 89.14, 89.21-89.25, 89.32, 89.41-89.44, 89.54, 89.61-89.65, 89.8, 92.01-92.29, 93.45-93.54, 93.56-93.59, 93.92-93.93, 93.95, 93.97, 94.24, 94.26-94.27, 95.04, 95.12-95.13, 95.16-95.26, 96.01-96.08, 96.21-96.25, 96.31-96.33, 97.11-97.13, 98.02-98.04, 98.14-98.16, 98.19, 99.01, 99.60-99.69, 99.81.

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

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

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

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

*Surgical operations.*—All procedures exclusive of those listed under “Nonsurgical procedures” are listed as surgical operations.

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

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

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

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

*Rate of procedures.*—The ratio of the number of

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

### Demographic terms

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

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

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

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

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