

# NATIONAL HEALTH STATISTICS

## **Utilization of Short-Stay Hospitals United States, 1984 Annual Summary**

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

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**Data From the National Health Survey  
Series 13, No. 84**

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

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

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

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**Symbols**

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

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# Utilization of Short-Stay Hospitals

by Edmund J. Graves, Division of Health Care Statistics

## Introduction

This report provides national estimates on the utilization of non-Federal short-stay hospitals during 1984. Data are summarized for selected demographic characteristics of the patients discharged, characteristics of the hospitals where the patients were treated, conditions diagnosed, and surgical and nonsurgical procedures performed.

The statistics in this report are based on data collected by the National Center for Health Statistics by means of the National Hospital Discharge Survey (NHDS), which is a continuous voluntary survey in use since 1965. The data for the survey are obtained from the face sheets of a sample of inpatient medical records that are obtained from a national sample of short-stay general and specialty hospitals located in the United States. Approximately 192,000 medical records from 407 hospitals were included in the 1984 survey. A brief description of the sample design and the sources of data can be found in appendix I. A detailed report on the design of the NHDS was published in 1970.<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; by expected source of payment, geographic region, bed size, and ownership of the short-stay hospitals (tables 1–6). Statistics on women with deliveries (tables 7–8), conditions diagnosed (tables 9–14), and procedures performed (tables 15–22) also are shown by patient and hospital characteristics. Data for newborn infants are included only in the section “Newborn infant discharges.” Because these data are based on a sample, they may not agree with data on births published in *Vital Statistics of the United States*.

Coding of medical data for patients hospitalized is performed according to the *International Classification of Diseases, 9th Revision, Clinical Modification*<sup>2</sup> (ICD–9–CM). Earlier

data for 1970–78 were coded according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*<sup>3</sup> (ICDA). Differences between these two systems are discussed in appendix I under the section entitled “Medical coding and edit.” A maximum of seven diagnoses and four procedures may be coded for each medical record in the sample. Although diagnoses included in the ICD–9–CM section entitled “Supplementary classification of external causes of injury and poisoning” (codes E800–E999) are used by the NHDS, these diagnoses are excluded from this report. The conditions diagnosed and procedures performed are presented here by the major diagnostic chapters and procedure groups of the ICD–9–CM. Within these chapters and groups, some categories of diagnoses and procedures also are shown. These specific categories were selected primarily because of large frequencies or because they are of special interest. Residual categories of diagnoses and procedures, however, are not included in the tables. More detailed analyses of these data will be presented in later reports in Series 13 of the *Vital and Health Statistics* reports.

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

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

# Highlights

- During 1984 an estimated 37.2 million patients, excluding newborn infants, were discharged from non-Federal short-stay hospitals and an estimated 244.7 million days of care were used.
- The average length of stay for patients discharged from non-Federal short-stay hospitals was 6.6 days in 1984. The average length of stay has declined from 7.3 days in 1980 to 6.6 days in 1984—a decline of about 10 percent.
- Nearly one-half of all patients discharged during 1984 expected private insurance to pay for at least part of their hospitalization.
- The number of discharges was about 29 percent higher in 1984 than in 1965. However, because of the increase in the size of the population, the discharge rate for the same period did not vary significantly.
- Females with deliveries was the leading cause of hospitalization during 1984. Of the 37.2 million discharges during 1984, 3.9 million or 10 percent were for females with deliveries.
- Four procedures were performed during 1984 more than 1 million times each: procedures to assist delivery (2.4 million), endoscopy of the digestive system (1.7 million), biopsy (1.5 million), and computerized axial tomography (CAT scan) (1.1 million).
- Approximately 15 percent of all patients who were hospitalized had a principal diagnosis of heart disease or malignant neoplasms, but about 50 percent of all deaths that occurred in short-stay hospitals in 1984 were the result of these two diseases.
- The number of patients discharged from short-stay non-Federal hospitals during 1984 for the first-listed diagnosis of cataract dropped from 594,000 in 1983 to 481,000 in 1984—a drop of almost 20 percent.
- An estimated 104.3 million diagnoses were recorded for the 37.2 million discharges from non-Federal hospitals during 1984 for an average of 2.8 diagnoses per discharged patient.
- Approximately 56 percent of all patients discharged from short-stay non-Federal hospitals during 1984 had at least one procedure performed.
- Of the 37.2 million patients discharged from short-stay non-Federal hospitals during 1984, 2.6 percent were known to have been discharged dead.

# Utilization by patient characteristics

Table A shows the selected measures of hospital utilization for 1965, 1970, 1975, 1980, and 1984. The number of discharges was approximately 29 percent higher in 1984 than in 1965; however, the discharge rate did not vary significantly for the same period. Smaller increases were noted for days of care. The number of days of care was only about 9 percent higher while the rate for 1984 was actually about 11.1 percent lower in 1984 when compared with 1965.

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

The total number and rate of discharges showed no significant drop when 1984 data are compared with 1983 data (table B). However, there was a significant drop when the number and rate of days of care for 1984 were compared with those for 1983. In addition, the decrease in discharges and days of care was significant in all four age groups except for the 65 years and over group. In this age group the days of care figure was significantly lower than the days of care for 1983, while the number of discharges showed no change. This resulted in a significant drop in the average length of stay for patients 65 years and over. In 1983 the average length of stay for the 65 years and over age group was 9.7 days while in 1984 it dropped to 8.9 days—a decrease of 8 percent.

The 37.2 million patients discharged from short-stay hospitals during 1984 included an estimated 14.9 million males and 22.3 million females (table 1). The rates per 1,000 population were 132 for males and 184 for females, making the rate for females about 39 percent higher than the rate for males. The number and rate of discharges always are higher for females

than for males because of the large number of women in their childbearing years (15–44 years of age) who are hospitalized for deliveries and other obstetrical conditions. Excluding deliveries, the rate for females discharged was 152, or only about 15 percent higher than the rate for males.

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

In 1984, male patients used an estimated 104.6 million days of care in short-stay hospitals, compared with 140.1 million days of care used by females (table 1). The rate of days of care per 1,000 population was 924 for males and 1,155 for females, or about 25 percent higher for females than for males. Differences between the rates of days of care for each sex were smaller than for discharges, mainly because the average length of stay for about 3.9 million women who were hospitalized for deliveries was only 3.4 days (table 7). This length of stay compares with an average length of stay of 7.0 days for males and 6.9 days for females who were not hospitalized for deliveries.

The annual number of days of care per 1,000 population increased about 13 times with advancing age from 278 for patients under 15 years of age to 3,575 for patients 65 years of age and over (table 1). The much higher increase in the rate of days of care than of discharges from the youngest to the oldest age group was due to long average lengths of stay for persons 65 years of age and over (8.9 days). The average length of stay is longer for the aged because of the greater severity of illness

**Table A. Selected measures of hospital utilization: United States, 1965, 1970, 1975, 1980, and 1984**

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

<i>Measure of utilization</i>	<i>1965</i>	<i>1970</i>	<i>1975</i>	<i>1980</i>	<i>1984</i>
Number of patients discharged in thousands . . . . .	28,792	29,127	34,043	37,832	37,182
Rate of patients discharged per 1,000 population . . . . .	150.3	144.3	159.2	167.7	158.5
Number of days of care in thousands . . . . .	225,011	226,445	262,389	274,508	244,852
Rate of days of care per 1,000 population . . . . .	1,174.3	1,121.6	1,227.3	1,217.0	1,043.6
Average length of stay in days . . . . .	7.8	7.8	7.7	7.3	6.6
Percent of patients with surgery and nonsurgical <sup>1</sup> procedures . . . . .	138.2	139.7	141.7	52.2	58.2

<sup>1</sup>Figures for 1965 and 1975 should be compared with caution to those for 1980 and 1984 because data prior to 1979 exclude nonsurgical procedures and the following obstetrical procedures: episiotomy, artificial rupture of membranes, internal version, and outlet and low forceps delivery.



**Table B. Number and rate of discharges and days of care and average length of stay by age: United States, 1983 and 1984**

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

Age	Discharged patients			
	1983	1984	1983	1984
	Number in thousands		Rate per 1,000 population	
All ages . . . . .	38,783	37,162	167.0	158.5
Under 15 years. . . . .	3,654	3,208	70.8	62.0
15-44 years. . . . .	15,269	14,533	140.3	132.2
45-64 years. . . . .	8,558	8,195	192.2	183.3
65 years and over . . . .	11,302	11,226	412.7	400.4
	Days of care			
	1983	1984	1983	1984
	Number in thousands		Rate per 1,000 population	
All ages . . . . .	268,337	244,652	1,155.2	1,043.5
Under 15 years. . . . .	16,682	14,367	323.4	277.7
15-44 years. . . . .	76,971	71,172	707.5	647.3
45-64 years. . . . .	65,029	58,877	1,460.6	1,316.8
65 years and over . . . .	109,655	100,237	4,004.3	3,574.8
	Average length of stay in days			
	Number of days			
	1983			1984
All ages . . . . .	6.9			6.6
Under 15 years. . . . .	4.6			4.5
15-44 years. . . . .	5.0			4.9
45-64 years. . . . .	7.6			7.2
65 years and over . . . .	9.7			8.9

in this group. This situation is indicated by larger proportions of older than younger patients with incapacitating chronic illness, and the highest proportion of any age group with multiple diagnoses, both of which result in long average lengths of stay and high annual rates of days of care.

In this report, the race of patients is shown as white and all other. In 1984, 28.4 million patients were identified on the face sheets of the medical records as white and 5.3 million as all other. However, race was not reported for an additional 3.4 million patients. Estimates of number and rates of discharges, days of care, and average lengths of stay are provided. However, all of the race data should be used with caution due to the not-stated category, which for 1984 is approximately 9 percent of all discharges.

The number of days of care in 1984 totaled 189.0 million

for white patients, 35.8 million for all other patients, and 19.9 million for race not stated (table 2). The average length of stay was 6.6 days for white patients, 6.7 for all other patients, and 5.8 for patients with race not stated (table 2).

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

Private health insurance that consists of Blue Cross and other private or commercial insurance was the expected principal source of payment for approximately 17.4 million discharges from non-Federal short-stay hospitals in 1984, about half of all discharges. Of these 17.4 million discharges, 98.6 percent were under 65 years of age. The remaining 1.4 percent were 65 years of age and over.

Medicare accounted for 12.2 million discharges (32.8 percent). As expected, 10.8 million (88.3 percent) of these were for patients 65 years and over. Together these two expected sources of payment accounted for 29.6 million discharges (79.6 percent). Even though patients expecting to pay hospital costs through Medicare composed only 32.8 percent of all discharges, they composed 44.0 percent of all days of care. This was due to the longer hospital stay for patients 65 years and over. This is reflected in the average length of stay—Medicare patients were hospitalized an average of 8.8 days, and patients who expected private insurance to pay their hospital stays averaged 5.4 days. The longest average length of stay was noted for Medicare patients 65 years of age and over in the Northeast Region (11.3 days). However, lengths of stay of less than 5 days were noted for private insurance patients under 15 years of age in all regions and for those 15-44 years of age in the West and South.

During 1984 there were approximately 3.9 million discharges for women with deliveries (tables 7 and 8). Of these, 37 percent were discharged from hospitals in the South Region and 55 percent were discharged from hospitals with 300 beds or more. Variation in rates per 1,000 civilian population by region was insignificant, with the exception of the Northeast Region, which had a rate of 41.2. Rates for all other regions were about 52-54 per 1,000 population.

The average length of stay for these women was 3.9 days in the Northeast Region, 3.7 days in the North Central Region, 3.4 days in the South Region, and 2.7 days in the West Region.

# Utilization by hospital characteristics

Discharges from short-stay hospitals by geographic region in 1984 ranged from 6.4 million in the West Region to 13.5 million in the South Region (table 3). Regional differences in the number of discharges are accounted for mainly by variations in population sizes (see appendix I, table III) and, to a lesser extent, by variations in the discharge rates.

The rates of regional discharges per 1,000 population in 1984 were 139 in the West Region, 149 in the Northeast Region, 168 in the North Central Region, and 169 in the South Region (table 5). Among the geographic regions, the North Central and South Regions had the higher discharge rates while the Northeast and West Regions had the lower discharge rates. For those under 15 years of age the West had the lowest discharge rates while for those 65 years and over the Northeast had the lowest discharge rates.

Both the number and the rate per 1,000 population of days of care were lowest in the West Region. The highest number of days of care was in the South Region for most of the age and sex categories, although the highest rates primarily were in the North Central and the Northeast Regions (tables 4 and 5). The number of days of care for the total population ranged from 36.4 million in the West to 82.3 million in the South Region. The rate per 1,000 population was 788 days in the West Region, 1,034 days in the South Region, 1,152 days in the North Central Region, and 1,169 days in the Northeast Region.

Average lengths of stay by geographic region were 5.7 days in the West Region, 6.1 days in the South Region, 6.9 days in the North Central Region, and 7.8 days in the Northeast Region (table 4).

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

Discharges from short-stay hospitals for patients of all ages were about 40 percent male and 60 percent female in every hospital bed-size group. Females with deliveries accounted for about 10 percent of the discharges regardless of hospital size. However, some variation was found in the distribution of patients by age. Specifically, as the bed size of the hospital increased, the percent of patients who were 65 years of age and over decreased from 36 percent for those in the smallest hospitals to 26 percent for those in the largest hospitals. An overall increase was found in the percent of patients aged 15–44 years from the

smallest to the largest hospitals. The percent of patients under 15 and 45–64 years of age showed no significant differences with increasing bed size.

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

The average length of stay for patients discharged from short-stay hospitals in 1984 increased steadily from 5.3 days in the smallest hospitals (6–99 beds) to 7.5 days in the largest hospitals (500 beds or more) (table C). The average length of stay was slightly longer for males than for females in all hospitals except for the smaller hospitals. However, when females who were hospitalized for deliveries are excluded, the average lengths of stay for both sexes were virtually the same except for the larger hospitals. Except for patients 15–44 years of age, the average length of stay increased as the age of the patient increased regardless of the size of the hospital.

Approximately 7 out of 10 patients in non-Federal short-stay hospitals were discharged from voluntary nonprofit hospitals operated by church and other nonprofit groups during every year the NHDS was conducted. In 1984, voluntary nonprofit hospitals provided medical care to an estimated 25.7 million patients, or 69 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 3.7 million patients, or 10 percent of all discharges (table 6).

The estimated 244.7 million days of care utilized by patients in short-stay hospitals during 1983 were distributed by ownership of hospitals in the following manner: voluntary nonprofit, 174.3 million days, or 71 percent; government, 47.5 million days, or 19 percent; and proprietary, 22.9 million days, or 9 percent. Average lengths of stay were 6.8 days in voluntary nonprofit hospitals, 6.1 days in government hospitals, and 6.2 days in proprietary hospitals.

**Table C. Number and percent distribution of patients, 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, 1984**

[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 . . . . .	37,162	37,162	5,972	6,624	6,361	10,139	8,066
Sex							
Percent distribution							
Both sexes . . . . .	37,162	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	14,899	40.1	39.4	39.3	41.1	40.0	40.6
Female including deliveries . . . . .	22,283	59.9	60.6	60.7	58.9	60.0	59.4
Female excluding deliveries . . . . .	18,410	49.5	52.1	50.4	50.1	48.8	47.5
Age							
All ages . . . . .	37,162	100.0	100.0	100.0	100.0	100.0	100.0
Under 15 years . . . . .	3,208	8.6	7.9	11.4	8.7	7.7	8.0
15-44 years . . . . .	14,533	39.1	36.3	39.8	36.6	39.8	41.7
45-64 years . . . . .	8,195	22.1	20.3	20.2	21.7	22.7	24.3
65 years and over . . . . .	11,226	30.2	35.5	28.6	33.0	29.8	25.9
Number of days of care in thousands							
All days of care . . . . .	244,852	244,652	31,880	40,022	41,868	70,064	60,817
Sex							
Percent distribution							
Both sexes . . . . .	244,852	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	104,587	42.7	40.2	42.7	42.6	42.2	44.8
Female including deliveries . . . . .	140,065	57.3	59.8	57.3	57.4	57.8	55.2
Female excluding deliveries . . . . .	126,840	51.8	55.3	51.8	53.0	52.0	49.0
Age							
All ages . . . . .	244,852	100.0	100.0	100.0	100.0	100.0	100.0
Under 15 years . . . . .	14,367	5.9	4.4	8.1	5.5	5.0	6.4
15-44 years . . . . .	71,172	29.1	28.0	30.6	25.5	28.9	31.4
45-64 years . . . . .	58,877	24.1	21.0	22.0	23.2	24.8	26.7
65 years and over . . . . .	100,237	41.0	46.6	39.2	45.7	41.3	35.5
Average length of stay in days							
Total . . . . .	6.6	6.6	5.3	6.0	6.6	6.9	7.5
Sex							
Male . . . . .	7.0	7.0	5.5	6.6	6.8	7.3	8.3
Female including deliveries . . . . .	6.3	6.3	5.3	5.7	6.4	6.7	7.0
Female excluding deliveries . . . . .	6.9	6.9	5.7	6.2	7.0	7.4	7.8
Age							
Under 15 years . . . . .	4.5	4.5	3.0	4.3	4.2	4.5	6.0
15-44 years . . . . .	4.9	4.9	4.1	4.6	4.6	5.0	5.7
45-64 years . . . . .	7.2	7.2	5.5	6.6	7.0	7.5	8.3
65 years and over . . . . .	8.9	8.9	7.0	8.3	9.1	9.6	10.3

# Utilization by diagnosis

## First-listed diagnosis

Diseases of the circulatory system ranked first in 1984 among the ICD-9-CM diagnostic chapters as a principal or first-listed diagnosis among patients discharged from non-Federal short-stay hospitals (table 9). These conditions accounted for an estimated 5.6 million discharges. Other leading ICD-9-CM diagnostic chapters were diseases of the digestive system (4.3 million discharges); supplementary classifications, which include females with deliveries (4.3 million discharges); injury and poisoning (3.5 million discharges); diseases of the respiratory system (3.4 million discharges); and diseases of the genitourinary system (3.1 million discharges). About two-thirds of the patients discharged from non-Federal short-stay hospitals were included in these six ICD-9-CM diagnostic chapters.

It should be pointed out that the estimates for first-listed acute myocardial infarction have increased substantially since 1981 because of a decision to reorder circulatory diagnoses involving acute myocardial infarction. For example, in 1981, 60 percent of acute myocardial infarction diagnoses were first-listed. In 1984, the first-listed acute myocardial infarction estimate increased to 86 percent because of reordering. The all-listed diagnoses for the 2 years were essentially the same. This change is discussed more fully in appendix I.

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

It should be noted that even though the total number of discharges and procedures showed no significant change from 1983 to 1984, there were significant drops in some of the first-listed diagnoses and all-listed procedures. Two of the more significant drops occurred in the first-listed diagnosis of essential hypertension, where the number of discharges dropped from 330,000 in 1983 to 266,000 in 1984—a drop of 19.4 percent—and cataract, where the number of discharges dropped from 594,000 in 1983 to 481,000 in 1984—a drop of 19.0 percent. Other significant drops for first-listed diagnoses were for chronic disease of tonsils and adenoids, where the number of discharges dropped from 397,000 in 1983 to 327,000 in 1984—a drop of 17.6 percent—and diabetes, where the number of discharges dropped from 675,000 in 1983 to 593,000 in 1984—a drop of 12.1 percent.

The most significant drop for procedures occurred for myringotomy, where the number of procedures dropped from 187,000 in 1983 to 138,000 in 1984—a drop of 26.2 percent—and diagnostic dilation and curettage of uterus, where the number of procedures dropped from 632,000 in 1983 to 470,000 in 1984—a drop of 25.6 percent. Other significant decreases in procedures were for extraction of lens, where the number of procedures dropped from 630,000 in 1983 to 506,000 in 1984—a drop of 19.7 percent—and tonsillectomy with or without adenoidectomy, where the number of procedures dropped from 424,000 in 1983 to 348,000 in 1984—a drop of 17.9 percent.

Compensating for the drop in some of the procedures was a significant increase in the number of miscellaneous diagnostic and therapeutic procedures performed. The number of these procedures performed increased from 6.3 million in 1983 to 7.2 million in 1984—an increase of about 14 percent. In this group, computerized axial tomography procedures showed the most significant increase, from approximately 0.9 million in 1983 to 1.1 million in 1984—an increase of about 22.2 percent.

There were influences related to hospital admission policies as well as hospital characteristics that could account for some of these changes, including the introduction of the prospective payment system, technological advances, and, possibly, the shifting of patients from an inpatient setting to an outpatient setting.

The number and rate of discharges, days of care, and average length of stay by selected first-listed diagnoses in 1984 are presented in table D. These categories accounted for 52 percent of all patients discharged during 1984 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. Discussed below are the most common first-listed diagnoses for the categories not included above.

For patients under 15 years of age, the most frequent first-listed diagnoses were chronic disease of tonsils and adenoids; pneumonia, all forms; and acute respiratory infection, except influenza. Some other frequent diagnoses for these patients were noninfectious enteritis and colitis; disease of the ear and mastoid process; and asthma and fractures, all sites (table 9).

Excluding females with deliveries, the three most frequent first-listed diagnoses for patients 15–44 years of age were all abortions, including ectopic and molar pregnancies; fractures, all sites; and psychoses. The most common first-listed diagnoses

**Table D. Number and rate of patients, days of care, and average length of stay for patients discharged from short-stay hospitals, by selected first-listed diagnostic categories: United States, 1984**

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

Diagnostic category and ICD-9-CM code	Discharged patients		Days of care		Average length of stay
	Number in thousands	Rate per 1,000 population	Number in thousands	Rate per 1,000 population	Days
All conditions <sup>1</sup> . . . . .	37,162	158.5	244,652	1,043.5	6.6
Females with deliveries . . . . . V27	3,853	16.4	13,225	56.4	3.4
Normal deliveries <sup>2</sup> . . . . .	1,575	6.7	4,219	18.0	2.7
Complicated deliveries <sup>2</sup> . . . . .	2,279	9.7	9,006	38.4	4.0
Heart disease . . . . . 391-392.0, 393-398, 402, 404, 410-416, 420-429	3,599	15.4	27,950	119.2	7.8
Acute myocardial infarction . . . . . 410	700	3.0	6,972	29.7	10.0
Atherosclerotic heart disease . . . . . 414.0	365	1.6	2,634	11.2	7.2
Other ischemic heart disease . . . . . 411-413, 414.1-414.9	969	4.1	5,799	24.7	6.0
Cardiac dysrhythmias . . . . . 427	479	2.0	3,306	14.1	6.9
Congestive heart failure . . . . . 428.0	531	2.3	4,554	19.4	8.6
Malignant neoplasms . . . . . 140-208, 230-234	2,059	8.8	20,108	85.8	9.8
Fractures, all sites . . . . . 800-829	1,114	4.8	10,373	44.2	9.3
Cerebrovascular disease . . . . . 430-438	896	3.8	9,277	39.6	10.4
Pneumonia, all forms . . . . . 480-486	837	3.6	6,489	27.7	7.8
Psychoses . . . . . 290-299	625	2.7	9,058	38.6	14.5
Diabetes mellitus . . . . . 250	593	2.5	4,869	20.8	8.2
Noninfectious enteritis and colitis . . . . . 555-556, 558	540	2.3	2,651	11.3	4.9
Arthropathies and related disorders . . . . . 710-719	536	2.3	4,331	18.5	8.1
Benign neoplasms and neoplasms of uncertain behavior and unspecified nature . . . . . 210-229, 235-239	517	2.2	2,958	12.6	5.7
Intervertebral disc disorders . . . . . 722	509	2.2	3,847	16.4	7.6
Cholelithiasis . . . . . 574	488	2.1	3,733	15.9	7.6
Cataract . . . . . 366	481	2.1	1,150	4.9	2.4
Asthma . . . . . 493	465	2.0	2,397	10.2	5.2
Inguinal hernia . . . . . 550	440	1.9	1,653	7.1	3.8
Diseases of the central nervous system . . . . . 320-336, 340-349	429	1.9	4,110	17.5	9.3
All abortions, including ectopic and molar pregnancies . . . . . 630-639	418	1.8	956	4.1	2.3
Alcohol dependence syndrome . . . . . 303	392	1.7	4,152	17.7	10.6
Calculus of kidney and ureter . . . . . 592	328	1.4	1,387	5.9	4.2
Chronic disease of tonsils and adenoids . . . . . 474	328	1.4	543	2.3	1.7

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

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

for patients 45-64 years of age and 65 years of age and over were heart disease and malignant neoplasms.

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

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

The number and rate of patients discharged from short-stay hospitals and average length of stay, by ICD-9-CM diagnostic chapters and selected categories, are presented by age for 1984 in table 9. Although the estimated rates of discharge from short-stay hospitals generally increased as the age of the patients increased, especially for patients 15 years of age and over, some decreases were observed. For example, decreases in rates between the two oldest age groups (45-64 years and 65

years and over) occurred for the categories of alcohol dependence syndrome, calculus of kidney and ureter, intervertebral disc disorders, and sprains and strains of back (including neck). Moreover, the rates generally decreased with increasing age for the categories of chronic disease of tonsils and adenoids and disorders of menstruation and other abnormal bleeding.

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

Data on discharges, rates of discharges, and average lengths

of stay for patients discharged from short-stay hospitals by sex and race are presented by diagnostic chapters and selected categories of first-listed diagnosis in table 10.

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

Seventy-seven percent of all patients discharged were white, 14 percent were all other races (including black), and 9 percent did not state race in the medical record. However, the racial distribution of patients for some diagnostic categories was significantly different from that of all patients. For example, the percents were higher for white patients discharged with a first-listed diagnosis of atherosclerotic heart disease (87 percent) and diverticula of intestine (87 percent). It was lower for patients with a diagnosis of alcohol dependence (59 percent), abortions and ectopic and molar pregnancies (61 percent), and lacerations and open wounds (65 percent). For all other races it was higher for abortions and ectopic and molar pregnancies (31 percent) and anemias (30 percent).

Information on patients discharged from short-stay hospitals by geographic region is shown in table 11. The number of discharges ranged from 13.5 million in the South Region to 6.4 million in the West Region. The North Central Region had 9.9 million discharges while the Northeast Region had 7.4 million

discharges. The South Region had the largest number of discharges for most categories. One major exception to this was for mental disorders where the number of discharges was 535,000 for the North Central Region and only 469,000 for the South Region. In 1984, the number of discharges per 1,000 population was 139 in the West Region, 149 in the Northeast Region, 168 in the North Central Region, and 169 in the South Region. The diagnostic categories for which variations in the rates were the largest were malignant neoplasms, alcohol dependence syndrome, heart disease, and females with deliveries.

Average length of stay ranged from 7.8 days in the Northeast Region to 5.7 days in the West Region. The North Central Region had 6.9 days while the South Region had 6.1 days. The average length of stay was longest in the Northeast Region for most categories. However, one notable exception was mental disorders, where the average length of stay was 13.7 days in the North Central Region and 12.0 days in the West Region.

During 1984, the number of patients discharged from short-stay hospitals and the average lengths of stay are shown by bed size of hospital and diagnostic category in tables 12 and 13, respectively. Females with deliveries, and heart disease ranked as the highest categories for first-listed diagnosis in hospitals of all sizes.

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

**Table E. Percent distribution of patients discharged from short-stay hospitals by bed size of hospital, according to diagnostic class: United States, 1984**

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

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
All conditions	100.0	16.1	17.8	17.1	27.3	21.7
Infectious and parasitic diseases . . . . . 001-139	100.0	17.5	20.1	17.2	25.4	19.8
Neoplasms . . . . . 140-239	100.0	8.2	13.5	17.0	32.0	29.3
Endocrine, nutritional and metabolic diseases, and immunity disorders . . . . . 240-279	100.0	19.2	16.8	17.1	26.5	20.5
Diseases of the blood and blood-forming organs . . . . . 280-289	100.0	16.4	16.1	16.9	26.8	23.7
Mental disorders . . . . . 290-315	100.0	18.8	18.6	12.3	29.8	20.5
Diseases of the nervous system and sense organs . . . . . 320-389	100.0	11.0	17.4	17.4	27.9	26.4
Diseases of the circulatory system . . . . . 390-459	100.0	17.2	16.3	18.3	27.0	21.2
Diseases of the respiratory system . . . . . 460-519	100.0	22.9	20.0	18.4	23.0	15.6
Diseases of the digestive system . . . . . 520-579	100.0	19.6	18.7	18.0	25.5	18.2
Diseases of the genitourinary system . . . . . 580-629	100.0	14.8	20.6	17.6	26.8	20.3
Complications of pregnancy, childbirth, and the puerperium <sup>1</sup> . . . . . 630-676	100.0	13.2	16.8	14.7	28.7	26.5
Diseases of the skin and subcutaneous tissue . . . . . 680-709	100.0	18.1	17.8	17.4	26.1	20.6
Diseases of the musculoskeletal system and connective tissue . . . . . 710-739	100.0	13.7	18.1	17.3	28.3	22.6
Congenital anomalies . . . . . 740-759	100.0	6.0	18.6	13.2	30.6	31.5
Certain conditions originating in the perinatal period . . . . . 760-779	100.0	8.4	16.8	18.6	32.3	24.6
Symptoms, signs, and ill-defined conditions . . . . . 780-799	100.0	15.2	16.0	20.0	25.6	23.5
Injury and poisoning . . . . . 800-999	100.0	17.1	18.3	18.6	26.2	20.0
Supplementary classifications . . . . . V01-V82	100.0	13.3	17.6	14.4	29.5	25.2

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

For the most part, the average length of stay for the diagnostic chapters and categories followed the same patterns as the overall average lengths of stay for each region and bed size of hospital. That is, short hospital stays were more common in the West Region; 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 (13.8 days).

### **All-listed diagnoses**

An estimated 104 million diagnoses were recorded for the 37.2 million inpatients of non-Federal short-stay hospitals in 1984 (table 14) for an average of 2.8 diagnoses per discharged patient. The average number of diagnoses per discharge increased from years prior to 1979 because of changes that were made in the way data are tabulated. Starting in 1979, up to seven diagnoses per discharge now are coded and tabulated on the NHDS data file; prior to that time, up to five diagnoses were coded. In addition, the ICD–9–CM, which is the classifi-

cation scheme used for coding medical data since 1979, has inherent in it a certain amount of “double coding”; the classification used prior to 1979 does not. For example, females with deliveries all receive one additional diagnostic code that indicates the outcome of their delivery (single liveborn; twins, both liveborn; and so forth); however, this was not the case prior to 1979.

The average number of diagnoses per discharge varied only slightly by sex and race of the patient and by region and bed size of the hospital. For each of these categories, the average was 2.6–3.0 diagnoses per patient. A larger variation occurred by age. The average number of diagnoses per discharge for the age groups under 15 years, 15–44 years, 45–64 years, and 65 years and over was 1.9, 2.2, 2.9, and 3.8, respectively.

Diseases of the circulatory system ranked first among the ICD–9–CM diagnostic chapters for all-listed diagnoses, with 20.4 million diagnoses. This was followed by diseases of the digestive system (9.0 million); supplementary classifications (8.1 million); diseases of the genitourinary system (7.8 million); and diseases of the respiratory system (7.7 million). These five ICD–9–CM chapters accounted for approximately 51 percent of all-listed diagnoses in 1984.

## Utilization by procedures

One or more procedures were performed for an estimated 20.9 million of the 37.2 million inpatients discharged from short-stay hospitals during 1984. A total of 36.2 million procedures, or an average of 1.7 per patient who underwent at least one procedure, were recorded in 1984 (table 15).

These figures are higher than those reported prior to 1979 because changes were made in the tabulation and coding of data for the NHDS that resulted in the reporting of a greater number of procedures. Beginning in 1979 more procedures, both in number per patient and in type of procedure, were coded. Specifically, starting in 1979 up to four procedures, instead of only three, were coded for each discharge. Furthermore, only figures for "surgical" operations were published in the past. However, since 1979 the total number includes many additional nonsurgical procedures. (See appendix I under the section entitled "Medical coding and edit" and appendix II under the section entitled "Surgical and nonsurgical procedures" for more information on the differences between coding the ICDA and the ICD-9-CM.)

The number and percent of patients with surgical and nonsurgical procedures in 1984 and the number and percent of patients with at least one surgical procedure are shown in table F. About 56 percent of the patients discharged had some procedure, including diagnostic and nonsurgical procedures. Some variations in the proportions, however, occurred by age and sex of the patient, geographic region, and bed size of the hospital. Patients 15-44 years of age had the highest proportion of all the age groups with procedures (64 percent). Women had more procedures than men (58 percent compared with 53 percent), primarily because of those relating to childbirth. The proportion of patients with one or more procedures increased with the size of the hospital, from 36 percent in hospitals with 6-99 beds to about 67 percent in hospitals with 500 beds or more.

Approximately 54 percent of the patients with procedures had only one operation or nonsurgical procedure during their hospitalization (table G). About 27 percent of the patients had two procedures, about 11 percent had three, and about 8 percent had four or more. By age, patients under 15 years of age had the lowest proportion of multiple procedures (34 percent) and those 45-64 years and 65 years of age and over had the largest proportion (53 and 54 percent, respectively). About 40 percent of the patients discharged from the smallest hospitals had more than one procedure; about 47 percent of the patients discharged from hospitals of all other sizes had two or more procedures during their hospitalization.

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

Miscellaneous diagnostic and therapeutic procedures (7.2 million) ranked first among the surgical and nonsurgical procedures performed during 1984. Other leading ICD-9-CM groups were operations on the digestive system (5.9 million), obstetrical procedures (3.9 million), operations on the musculoskeletal system (3.7 million), and operations on the female genital organs (3.5 million). About two-thirds of the procedures performed in 1984 were included in these five major groups.

The number and rate of all-listed procedures in 1984 by selected ICD-9-CM categories are shown in table H. The categories presented in this table include procedures that were performed frequently during the year. Many of the procedures included in this table are diagnostic and nonsurgical procedures that were not published by the NHDS prior to 1979, such as endoscopy on the digestive system, endoscopy of the urinary system through natural orifice, arteriography and angiocardiology using contrast material, diagnostic ultrasound, and radioisotope scan. Over one-half million of each of these procedures were performed during 1984.

Data for the more traditional leading surgical operations are shown in table H. Some of the most frequently performed surgeries, of which 500,000 or more were performed in 1984, included cesarean section, hysterectomy, excision or destruction of lesion or tissue of skin or subcutaneous tissue, cardiac catheterization, arthroplasty of joints, and extraction of lens.

The estimated 36.2 million procedures performed in 1984 are presented for the ICD-9-CM major groups and selected categories by age, sex, race, and region in tables 15, 17, 19, and 20, respectively. The corresponding rates by age, sex, and region are shown in tables 16, 18, and 21, respectively.

Of the 36.2 million procedures performed during 1984, 41 percent were performed on patients 15-44 years of age, while only 6 percent were performed on patients under 15 years of age. The most common procedure performed on patients under 15 years was tonsillectomy with or without adenoidectomy, and for those 15-44 years of age it was episiotomy without forceps and vacuum extraction. The most common procedure for the 45-64 years age group was arteriography and angio-



**Table F. 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, 1984**

[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	All patients	Patients with surgical procedures
			Number in thousands		Percent	
All patients.....	37,162	16,277	20,885	16,838	56.2	45.3
Age						
Under 15 years.....	3,208	1,827	1,381	1,136	43.1	35.4
15-44 years.....	14,533	5,292	9,241	8,158	63.6	56.1
45-64 years.....	8,195	3,515	4,679	3,533	57.1	43.1
65 years and over.....	11,226	5,643	5,583	4,011	49.7	35.7
Sex						
Male.....	14,899	6,956	7,943	6,076	53.3	40.8
Female.....	22,263	9,321	12,942	10,762	58.1	48.3
Race						
White.....	28,449	12,342	16,106	12,910	56.6	45.4
All other.....	5,302	2,476	2,826	2,229	53.3	42.1
Not stated.....	3,412	1,460	1,953	1,698	57.2	49.8
Geographic region						
Northeast.....	7,408	3,040	4,368	3,329	59.0	44.9
North Central.....	9,899	4,202	5,698	4,578	57.6	46.2
South.....	13,451	6,502	6,948	5,767	51.7	42.9
West.....	6,405	2,534	3,871	3,164	60.4	49.4
Bed size of hospital						
6-99 beds.....	5,972	3,807	2,166	1,823	36.3	30.5
100-199 beds.....	6,624	3,125	3,499	2,868	52.8	43.3
200-299 beds.....	6,361	2,643	3,718	2,884	58.5	45.3
300-499 beds.....	10,139	4,053	6,086	4,986	60.0	49.2
500 beds or more.....	8,066	2,650	5,416	4,277	67.1	53.0

cardiography using contrast material, and for those 65 years and over the most common procedures were endoscopies through natural orifice and lens extraction.

The rate of procedures per 1,000 population increased with advancing age from a rate of 39 for patients under 15 years to 378 for patients 65 years of age and over (table J). Except for females 15-44 years of age, the rates for both sexes also increased as age increased. The rate for females 15-44 years of age was higher than that for females 45-64 years of age because of the large number of females 15-44 years of age operated on for obstetrical and gynecological conditions.

Of the 36.2 million procedures performed during 1984, about 14.4 million were for males and 21.8 were for females. The corresponding rates per 1,000 population were 154 for both sexes, 127 for males, and 180 for females. Of the procedures shown in table 17, the most common for males were arteriography and angiocardiology using contrast material, endoscopies through natural orifice, and CAT scans. For females, the most frequently performed procedures were episiotomy without forceps and vacuum extraction, cesarean section, hysterectomy, CAT scans, and diagnostic ultrasound.

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

The number of procedures for patients discharged from short-stay hospitals by procedure category and geographic region is presented in table 20, and the corresponding rates are shown in table 21. The rate of procedures per 1,000 population was 176 in the North Central Region, 151 in the Northeast Region, 148 in the South Region, and 142 in the West Region. Rates were highest in all regions for operations on the digestive system, the female genital organs, the musculoskeletal system, obstetrical procedures, and miscellaneous diagnostic and therapeutic procedures.

The number of procedures in short-stay hospitals during 1984 for each ICD-9-CM category by bed size of hospital

**Table G. 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, 1984**

[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
All patients .....	100.0	53.8	27.3	10.8	8.1
Age					
Under 15 years .....	100.0	66.5	23.8	6.3	3.4
15-44 years .....	100.0	60.2	25.2	9.3	5.3
45-64 years .....	100.0	47.3	28.9	13.0	10.8
65 years and over .....	100.0	45.6	30.2	12.6	11.5
Sex					
Male .....	100.0	50.7	27.6	12.0	9.7
Female .....	100.0	55.8	27.1	10.1	7.0
Race					
White .....	100.0	52.9	27.6	11.1	8.3
All other .....	100.0	56.7	25.2	10.2	8.0
Not stated .....	100.0	57.1	27.6	9.4	5.9
Geographic region					
Northeast .....	100.0	55.3	26.5	10.1	8.1
North Central .....	100.0	50.6	27.3	11.9	10.2
South .....	100.0	54.6	27.8	10.8	6.7
West .....	100.0	55.5	27.3	10.0	7.2
Bed size of hospital					
6-99 beds .....	100.0	60.3	25.2	9.3	5.2
100-199 beds .....	100.0	55.3	28.0	10.0	6.8
200-299 beds .....	100.0	51.4	28.4	11.3	9.0
300-499 beds .....	100.0	53.6	27.4	11.0	8.0
500 beds or more .....	100.0	52.2	26.8	11.5	9.5

NOTE: A maximum of 4 procedures was coded for each patient discharged.

where the procedure was performed is shown in table 22. Operations on the digestive system were observed to rank highest of all-listed procedures in hospitals with less than 200 beds. The most common procedures for hospitals of 500 beds or more were miscellaneous diagnostic and therapeutic procedures and operations on the digestive system.

The percent distributions of the major groups of procedures by bed size of hospital are shown in table K. Hospitals with 300 beds or more treated an estimated 49 percent of the patients hospitalized during 1984, but performed about 56 percent of

the procedures. Procedures for which large percents were performed in hospitals with 300 beds or more were operations on the cardiovascular system (73 percent). Other groups having 60 percent or more of the procedures performed in hospitals with 300 beds or more were operations on the nervous system (64 percent), operations on the endocrine system (64 percent), operations on the hemic and lymphatic system (62 percent), operations on the respiratory system (60 percent), and miscellaneous diagnostic and therapeutic procedures (60 percent).

**Table H. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by selected procedure categories: United States, 1984**

[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	Procedure	
	Number in thousands	Rate per 100,000 population
All procedures	36,155	15,421.7
Surgical procedures <sup>1</sup>	25,590	10,915.2
Nonsurgical procedures <sup>1</sup>	10,565	4,506.5
Procedures to assist delivery	2,362	1,007.4
Endoscopy of the digestive system		
42.21-42.23, 44.11-44.13, 45.11-45.13, 45.21-45.24, 48.21-48.22, 51.11, 54.21	1,666	710.7
Biopsy <sup>1</sup>	1,514	645.8
Computerized axial tomography (CAT scan)	1,091	465.5
87.03, 87.41, 87.71, 88.01, 88.38		
Arteriography and angiocardiology by using contrast material	972	414.6
88.4-88.5		
Diagnostic ultrasound	836	356.5
88.7		
Cesarean section	813	346.6
74.0-74.2, 74.4, 74.99		
Endoscopy of the urinary system through natural orifice	774	329.9
55.21-55.22, 56.31, 57.32, 58.22		
Radioisotope scan	764	325.8
92.01-92.1		
Hysterectomy	664	283.4
68.3-68.7		
Excision or destruction of lesion or tissue of skin or subcutaneous tissue	622	265.4
86.2-86.4		
Cardiac catheterization	570	242.9
37.21-37.23		
Arthroplasty of joints	525	224.1
81.3-81.8		
Extraction of lens	506	215.8
13.1-13.6		
Operations on spinal cord and spinal canal structures except biopsies	498	212.6
03-03.31, 03.39-03.9		
Oophorectomy and salpingo-oophorectomy	498	212.5
65.3-65.6		
Bilateral destruction or occlusion of fallopian tubes	488	208.0
66.2-66.3		
Cholecystectomy	485	206.7
51.2		
Repair of current obstetric laceration	483	206.1
75.5-75.6		
Diagnostic dilation and curettage of uterus	470	200.4
69.09		
Repair of inguinal hernia	469	199.9
53.0-53.1		
Insertion of prosthetic lens	455	194.0
13.7		
Open reduction of fracture	436	185.9
76.72, 76.74, 76.76-76.77, 76.79, 79.2-79.3, 79.5-79.6		
Contrast myelogram	429	183.1
87.21		
Pyelogram	421	179.6
87.73-87.75		
Operations on muscle, tendons, fascia, and bursa	386	164.5
82-83.1, 83.3-83.9		
Prostatectomy	361	154.0
60.2-60.6		
Tonsillectomy with or without adenoidectomy	348	148.5
28.2-28.3		

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

**Table J. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by sex and age of patient: United States, 1984**

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

Age	Both sexes		
	Male	Female	
	Number of procedures in thousands		
All ages	36,155	14,359	21,796
Under 15 years	2,024	1,217	807
15-44 years	14,757	3,960	10,797
45-64 years	8,762	4,181	4,581
65 years and over	10,612	5,002	5,610
	Rate per 1,000 population		
All ages	154.2	126.8	179.8
Under 15 years	39.1	46.0	32.0
15-44 years	134.2	73.2	193.3
45-64 years	196.0	196.0	195.9
65 years and over	378.4	443.0	335.1

**Table K. Percent distribution of all-listed procedures for patients discharged from short-stay hospitals by bed size of hospital, according to procedure category: United States, 1984**

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

<i>Procedure category and ICD-9-CM code</i>	<i>All sizes</i>	<i>6-99 beds</i>	<i>100-199 beds</i>	<i>200-299 beds</i>	<i>300-499 beds</i>	<i>500 beds or more</i>
		Percent distribution				
All procedures . . . . .	100.0	9.5	16.3	18.3	29.2	26.7
Operations on the nervous system . . . . . 01-05	100.0	5.7	14.1	16.3	30.6	33.4
Operations on the endocrine system . . . . . 06-07	100.0	3.6	14.4	18.0	30.6	33.3
Operations on the eye . . . . . 08-16	100.0	9.1	16.5	17.8	29.5	27.1
Operations on the ear . . . . . 18-20	100.0	4.6	18.7	21.5	29.4	25.8
Operations on the nose, mouth, and pharynx . . . . . 21-29	100.0	11.3	18.4	20.7	27.2	22.5
Operations on the respiratory system . . . . . 30-34	100.0	5.5	14.9	19.2	31.2	29.2
Operations on the cardiovascular system . . . . . 35-39	100.0	2.3	8.2	16.3	32.7	40.6
Operations on the hemic and lymphatic system . . . . . 40-41	100.0	6.3	14.2	18.0	32.2	29.7
Operations on the digestive system . . . . . 42-54	100.0	12.2	17.6	20.0	27.9	22.3
Operations on the urinary system . . . . . 55-59	100.0	8.7	19.1	18.7	31.1	22.4
Operations on the male genital organs . . . . . 60-64	100.0	8.6	20.3	18.6	30.8	21.7
Operations on the female genital organs . . . . . 65-71	100.0	12.7	19.6	16.7	27.7	23.4
Obstetrical procedures . . . . . 72-75	100.0	12.4	16.8	12.6	31.8	26.4
Operations on the musculoskeletal system . . . . . 76-84	100.0	12.6	18.1	18.0	29.0	22.3
Operations on the integumentary system . . . . . 85-86	100.0	13.1	17.4	17.6	28.0	23.9
Miscellaneous diagnostic and therapeutic procedures . . . . . 87-99	100.0	5.6	13.4	21.1	27.9	32.0

# Deaths in short-stay hospitals

In 1984, 96.3 percent of patients, excluding newborn infants, who were discharged from short-stay hospitals were discharged alive, 2.6 percent were discharged dead, and for 1.1 percent a discharge status was not ascribed. Of the estimated 957,000 patients who died, 49.8 percent were male and 50.2 percent were female (table L). As expected, patients 65 years and over accounted for the majority of hospital deaths—72.0 percent. Patients under 65 years of age accounted for 28.0 percent of the deaths. The 957,000 who were discharged dead from these hospitals represented about 47 percent of all persons who died during 1984.<sup>5</sup>

The hospital fatality rate is the number of deaths divided by the number of total discharges multiplied by 100. This is a conservative rate because the formula assumes that all those patients whose discharge status was not stated were discharged alive. A fatality rate of 2.6 has been computed for patients in 1984. The rate for males was higher than that for females—3.2 for males compared with 2.2 for females.

The 65 years and over age group had a hospital fatality rate of 6.1 per 100 discharges; however, patients under 65 years of age had a fatality rate of 1.0. The fatality rates for males and females did not vary significantly from each other in each of the age groupings.

The estimated number of hospital deaths and hospital fatality rates for patients under 65 years of age and for those 65 years and over are shown for selected conditions in table M. These data are not synonymous with data for underlying cause

of death as reported in *Vital Statistics of the United States*. Of the estimated 957,000 deaths in short-stay hospitals, 71 percent are accounted for by the diagnostic groupings shown in table M. Of these, heart disease and malignant neoplasms accounted for nearly one-half (477,000) of all deaths in short-stay hospitals.

For specific diagnoses, the highest fatality rates were for acute myocardial infarction, with a rate of 16.1 per 100 discharges, and nephritis, nephrotic syndrome, and nephrosis, with a rate of 14.7 per 100 discharges. Other high fatality rates were for chronic liver disease and cirrhosis (11.9 per 100 discharges), cardiac dysrhythmias (11.3 per 100 discharges), and malignant neoplasms (10.5 per 100 discharges).

The average length of stay for patients discharged from short-stay hospitals, by discharge status and sex, is shown in table N. The average stay for all patients discharged was 6.6 days. Patients discharged alive had an average stay of 6.4 days, compared with an average stay of 12.6 days for patients who died in the hospital.

Patients under 65 years of age, discharged alive, stayed an average of 5.5 days; however, those who died had an average stay of 12.6 days. The hospital stay for patients 15–44 years of age who died was 2.6 times as long as for those who were discharged alive (12.5 and 4.9). The difference in length of stay was much smaller for patients 65 years and over—8.7 days for those discharged alive and 12.6 days for those who died.

**Table L. Number of deaths and fatality rate of patients discharged from short-stay hospitals, by sex and age: United States, 1984**  
[Deaths in non-Federal short-stay hospitals. Excludes newborn infants]

Age	Both sexes			Both sexes		
	Male	Female	Male	Female	Female	
	Number in thousands			Rate per 100 discharges		
All ages.....	957	476	480	2.6	3.2	2.2
All ages excluding obstetric conditions.....	956	476	479	3.0	3.2	2.6
Under 65 years.....	268	145	123	1.0	1.4	0.8
Under 15 years.....	22	11	12	0.7	0.6	0.8
15–44 years.....	55	32	23	0.4	0.7	0.2
45–64 years.....	191	102	89	2.3	2.6	2.1
65 years and over.....	689	332	357	6.1	6.9	5.6

**Table M. Number of deaths and fatality rate of patients discharged from short-stay hospitals by age and selected first-listed diagnosis: United States, 1984**

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

Diagnostic category and ICD-9-CM code	All ages	Under 65 years	65 years and over	All ages	Under 65 years	65 years and over
	Number in thousands			Rate per 100 discharges		
All deaths .....	957	268	689	2.6	1.0	6.1
Malignant neoplasms ..... 140-208, 230-234	216	80	136	10.5	8.1	12.7
Heart disease ..... 391-392.0, 393-398, 402, 404, 410-416, 420-429	261	58	203	7.3	3.9	9.6
Acute myocardial infarction..... 410	113	23	90	16.1	7.7	22.4
Chronic ischemic heart disease..... 411-414	20	*5	14	1.5	*0.8	2.1
Cardiac dysrhythmias..... 427	54	15	39	11.3	8.9	12.7
Congestive heart failure..... 428.0	41	*5	36	7.7	*4.8	8.5
Cerebrovascular disease..... 430-438	81	15	67	9.1	6.5	10.0
Pneumonia, all forms ..... 480-486	53	*9	44	6.3	*2.1	11.5
Chronic liver disease and cirrhosis..... 571	10	7	*	11.9	11.8	*
Nephritis, nephrotic syndrome, and nephrosis..... 580-589	21	*	18	14.7	*	26.1
Injury and poisoning..... 800-999	39	18	21	1.1	0.7	2.6

**Table N. Average length of stay of patients discharged from short-stay hospitals by discharge status, age, and sex: United States, 1984**

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

Age	Discharge status					
	Alive			Dead		
	Both sexes	Male	Female	Both sexes	Male	Female
	Average length of stay in days					
All ages.....	6.4	6.8	6.1	12.6	12.2	13.0
All ages excluding obstetric conditions.....	6.8	6.8	6.7	12.6	12.2	13.0
Under 65 years.....	5.5	6.1	5.1	12.6	11.2	14.2
Under 15 years.....	4.4	4.3	4.6	12.2	11.7	12.7
15-44 years.....	4.9	6.0	4.4	12.5	11.2	14.5
45-64 years.....	7.1	7.0	7.1	12.6	11.1	14.3
65 years and over.....	8.7	8.5	8.8	12.6	12.6	12.5

# Newborn infant discharges

The number, percent distribution, and average length of stay of newborn infants discharged from short-stay hospitals, by sex and geographic region, are shown in table O. Because these data are based on a sample, they may not agree with data on births published in *Vital Statistics of the United States*. The estimated 3.9 million newborn infants were equally divided between the sexes.

About 38 percent (1.4 million) of newborn discharges were from the South Region and approximately 24 percent (0.9 million) were from the North Central Region. The percents of discharges were approximately 20 percent (0.8 million) for the West Region and 18 percent (0.7 million) for the Northeast Region. The average length of stay was 4.1 days in the Northeast Region and 2.9 days in the West Region. The average length of stay was 3.9 days in the North Central Region and 3.7 days in the South Region. About 70 percent of the 3.9 million newborn infants discharged from short-stay hospitals were "well." A well infant is defined as one who does not have an illness or risk-related diagnosis (table P).

The estimated 1.2 million sick infants (30 percent of all newborn) had at least one diagnosis in addition to the newborn diagnosis. Some of these additional diagnoses are shown in table Q. About 0.5 million (29 percent) of the diagnoses were for jaundice. The next three leading diagnoses were respiratory conditions, prematurity, and congenital anomalies. These four diagnoses accounted for about 61 percent of all sick newborn diagnoses. Males accounted for 58 percent of the respiratory conditions, 58 percent of the congenital anomalies, 53 percent of the jaundice, and 53 percent of the prematurity diagnoses. Of the 1.2 million sick newborn infants, there were 22 percent

**Table O. Number, percent distribution, and average length of stay for newborn infants discharged from non-Federal short-stay hospitals, by sex and geographic region: United States, 1984**

Sex and region	Number of discharges	Percent distribution	Average length of stay in days
All newborn infants...	3,857	100.0	3.7
Sex			
Male.....	2,003	51.9	3.7
Female.....	1,854	48.1	3.7
Geographic region			
Northeast.....	689	17.9	4.1
North Central.....	938	24.3	3.9
South.....	1,447	37.5	3.7
West.....	783	20.3	2.9

more boys than girls; the boys also had 31 percent more diagnoses than the girls did.

Well newborn infants had an average hospital stay of 2.9 days, and there was no difference in the length of stay by sex (table P). This table further demonstrates that sick newborn infants stay almost twice as long as well infants (5.6 versus 2.9 days) and account for 46 percent of the newborn patient days, although they constitute only 30 percent of newborn infants.

**Table P. Number and average length of stay of newborn infants discharged from non-Federal short-stay hospitals, by sex and health status: United States, 1984**

Health status	Both sexes	Male	Female
Number in thousands			
All newborn infants.....	3,857	2,003	1,855
Well newborn infants.....	2,691	1,361	1,330
Sick newborn infants.....	1,167	642	525
Average length of stay in days			
All newborn infants.....	3.7	3.7	3.7
Well newborn infants.....	2.9	2.9	2.8
Sick newborn infants.....	5.6	5.5	5.7

**Table Q. Number of all-listed diagnoses for sick newborn infants discharged from short-stay hospitals by selected diagnostic categories and sex: United States, 1984**

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

Diagnostic category and ICD-9-CM code	Both sexes	Male	Female
Number in thousands			
Sick newborn infant diagnoses <sup>1</sup> ....	1,751	994	758
Congenital anomalies..... 740-759	150	87	63
Disorders relating to short gestation and unspecified low birthweight (prematurity)..... 765	190	100	90
Respiratory distress syndrome and other respiratory conditions of fetus and newborn..... 769-770	212	123	89
Hemolytic disease of fetus or newborn, due to isoimmunization and other perinatal jaundice..... 773-774	514	274	239

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

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TABLE 1. NUMBER, PERCENT DISTRIBUTION, AND RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX AND AGE: UNITED STATES, 1984

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

SEX AND AGE	DISCHARGED PATIENTS			DAYS OF CARE			
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	AVERAGE LENGTH OF STAY IN DAYS
BOTH SEXES							
ALL AGES.....	37,162	100.0	158.5	244,652	100.0	1,043.5	6.6
UNDER 15 YEARS.....	3,208	8.6	62.0	14,367	5.9	277.7	4.5
UNDER 1 YEAR.....	816	2.2	224.5	5,297	2.2	1,456.5	6.5
1 TO 4 YEARS.....	993	2.7	70.1	3,470	1.4	244.8	3.5
5-14 YEARS.....	1,399	3.8	41.2	5,599	2.3	165.1	4.0
15-44 YEARS.....	14,533	39.1	132.2	71,172	29.1	647.3	4.9
15-19 YEARS.....	1,838	4.9	99.0	8,088	3.3	435.5	4.4
20-24 YEARS.....	2,924	7.9	141.5	12,097	4.9	585.5	4.1
25-34 YEARS.....	6,012	16.2	149.1	28,954	11.8	718.0	4.8
35-44 YEARS.....	3,759	10.1	123.6	22,033	9.0	724.8	5.9
45-64 YEARS.....	8,195	22.1	183.3	58,877	24.1	1,316.8	7.2
45-54 YEARS.....	3,545	9.5	158.3	24,082	9.8	1,075.2	6.8
55-64 YEARS.....	4,650	12.5	208.4	34,795	14.2	1,559.2	7.5
65 YEARS AND OVER.....	11,226	30.2	400.4	100,237	41.0	3,574.8	8.9
65-74 YEARS.....	5,353	14.4	319.6	45,399	18.6	2,711.0	8.5
75-84 YEARS.....	4,294	11.6	498.1	39,414	16.1	4,572.4	9.2
85 YEARS AND OVER.....	1,580	4.3	590.8	15,423	6.3	5,767.9	9.8
UNDER 17 YEARS.....	3,753	10.1	63.6	17,003	7.0	288.1	4.5
17-69 YEARS.....	24,817	66.8	158.4	149,371	61.1	953.3	6.0
70 YEARS AND OVER.....	8,592	23.1	458.5	78,277	32.0	4,177.0	9.1
MALE							
ALL AGES.....	14,899	100.0	131.6	104,587	100.0	923.9	7.0
UNDER 15 YEARS.....	1,831	12.3	69.2	8,014	7.7	302.7	4.4
UNDER 1 YEAR.....	469	3.1	251.8	2,816	2.7	1,513.3	6.0
1 TO 4 YEARS.....	577	3.9	79.6	2,012	1.9	277.4	3.5
5-14 YEARS.....	785	5.3	45.2	3,186	3.0	183.5	4.1
15-44 YEARS.....	4,305	28.9	79.6	25,878	24.7	478.4	6.0
15-19 YEARS.....	579	3.9	61.8	3,205	3.1	342.0	5.5
20-24 YEARS.....	662	4.4	65.5	3,726	3.6	368.9	5.6
25-34 YEARS.....	1,575	10.6	79.5	9,802	9.4	495.0	6.2
35-44 YEARS.....	1,489	10.0	100.5	9,145	8.7	617.0	6.1
45-64 YEARS.....	3,964	26.6	185.8	28,241	27.0	1,324.1	7.1
45-54 YEARS.....	1,666	11.2	153.5	11,158	10.7	1,027.8	6.7
55-64 YEARS.....	2,298	15.4	219.4	17,083	16.3	1,631.1	7.4
65 YEARS AND OVER.....	4,799	32.2	424.8	42,454	40.6	3,757.3	8.8
65-74 YEARS.....	2,526	17.0	345.2	21,268	20.3	2,906.3	8.4
75-84 YEARS.....	1,747	11.7	544.3	16,123	15.4	5,024.2	9.2
85 YEARS AND OVER.....	527	3.5	682.0	5,063	4.8	6,558.5	9.6
UNDER 17 YEARS.....	2,038	13.7	67.5	9,114	8.7	301.8	4.5
17-69 YEARS.....	9,336	62.7	123.1	63,442	60.7	836.2	6.8
70 YEARS AND OVER.....	3,525	23.7	494.4	32,031	30.6	4,491.8	9.1
FEMALE							
ALL AGES.....	22,263	100.0	183.6	140,065	100.0	1,155.2	6.3
UNDER 15 YEARS.....	1,377	6.2	54.5	6,352	4.5	251.5	4.6
UNDER 1 YEAR.....	348	1.6	195.9	2,481	1.8	1,397.7	7.1
1 TO 4 YEARS.....	416	1.9	60.0	1,458	1.0	210.5	3.5
5-14 YEARS.....	614	2.8	37.1	2,413	1.7	145.7	3.9
15-44 YEARS.....	10,228	45.9	183.1	45,294	32.3	810.8	4.4
15-19 YEARS.....	1,258	5.7	136.8	4,883	3.5	530.8	3.9
20-24 YEARS.....	2,263	10.2	214.3	8,370	6.0	792.7	3.7
25-34 YEARS.....	4,437	19.9	216.2	19,152	13.7	933.2	4.3
35-44 YEARS.....	2,270	10.2	145.7	12,889	9.2	827.2	5.7
45-64 YEARS.....	4,231	19.0	180.9	30,636	21.9	1,310.2	7.2
45-54 YEARS.....	1,879	8.4	162.8	12,924	9.2	1,119.9	6.9
55-64 YEARS.....	2,352	10.6	198.6	17,712	12.6	1,495.7	7.5
65 YEARS AND OVER.....	6,427	28.9	383.9	57,783	41.3	3,451.6	9.0
65-74 YEARS.....	2,826	12.7	299.8	24,131	17.2	2,559.2	8.5
75-84 YEARS.....	2,547	11.4	470.7	23,292	16.6	4,304.5	9.1
85 YEARS AND OVER.....	1,053	4.7	553.8	10,360	7.4	5,447.0	9.8
UNDER 17 YEARS.....	1,715	7.7	59.5	7,889	5.6	273.7	4.6
17-69 YEARS.....	15,482	69.5	191.6	85,929	61.3	1,063.3	5.6
70 YEARS AND OVER.....	5,067	22.8	436.5	46,246	33.0	3,984.0	9.1

TABLE 2. NUMBER, PERCENT DISTRIBUTION, AND RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY SEX, RACE, AND AGE: UNITED STATES, 1984

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

SEX, RACE, AND AGE	DISCHARGED PATIENTS			DAYS OF CARE			AVERAGE LENGTH OF STAY IN DAYS
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	
BOTH SEXES							
ALL RACES, ALL AGES.....	37,162	100.0	158.5	244,652	100.0	1,043.6	6.6
UNDER 15 YEARS.....	3,208	8.6	62.0	14,367	5.9	277.7	4.5
15-44 YEARS.....	14,533	39.1	132.2	71,172	29.1	647.3	4.9
45-64 YEARS.....	8,195	22.1	183.3	58,877	24.1	1,316.8	7.2
65 YEARS AND OVER.....	11,226	30.2	400.4	100,237	41.0	3,574.8	8.9
WHITE, ALL AGES.....	28,449	76.6	142.5	189,004	77.3	946.7	6.6
UNDER 15 YEARS.....	2,296	6.2	54.6	9,850	4.0	234.3	4.3
15-44 YEARS.....	10,322	27.8	111.0	50,269	20.5	540.6	4.9
45-64 YEARS.....	6,481	17.4	165.0	45,905	18.8	1,168.7	7.1
65 YEARS AND OVER.....	9,350	25.2	369.2	82,980	33.9	3,277.1	8.9
ALL OTHER, ALL AGES.....	5,302	14.3	155.6	35,761	14.6	1,049.3	6.7
UNDER 15 YEARS.....	632	1.7	65.3	3,289	1.3	339.5	5.2
15-44 YEARS.....	2,740	7.4	161.5	14,578	6.0	859.4	5.3
45-64 YEARS.....	999	2.7	184.0	8,282	3.4	1,525.1	8.3
65 YEARS AND OVER.....	930	2.5	342.2	9,613	3.9	3,535.3	10.3
RACE NOT STATED, ALL AGES.....	3,412	9.2	...	19,886	8.1	...	5.8
UNDER 15 YEARS.....	280	0.8	...	1,227	0.5	...	4.4
15-44 YEARS.....	1,471	4.0	...	6,325	2.6	...	4.3
45-64 YEARS.....	715	1.9	...	4,690	1.9	...	6.6
65 YEARS AND OVER.....	946	2.5	...	7,644	3.1	...	8.1
MALE							
ALL RACES, ALL AGES.....	14,899	100.0	131.6	104,587	100.0	923.9	7.0
UNDER 15 YEARS.....	1,831	12.3	69.2	8,014	7.7	302.7	4.4
15-44 YEARS.....	4,305	28.9	79.6	25,878	24.7	478.4	6.0
45-64 YEARS.....	3,964	26.6	185.8	28,241	27.0	1,324.1	7.1
65 YEARS AND OVER.....	4,799	32.2	424.8	42,454	40.6	3,757.3	8.8
WHITE, ALL AGES.....	11,557	77.6	119.4	80,696	77.2	833.8	7.0
UNDER 15 YEARS.....	1,305	8.8	60.5	5,519	5.3	255.8	4.2
15-44 YEARS.....	3,123	21.0	67.7	18,283	17.5	396.3	5.9
45-64 YEARS.....	3,140	21.1	166.3	21,909	20.9	1,160.4	7.0
65 YEARS AND OVER.....	3,988	26.8	391.3	34,985	33.5	3,432.3	8.8
ALL OTHER, ALL AGES.....	1,993	13.4	121.3	15,212	14.5	926.2	7.6
UNDER 15 YEARS.....	364	2.4	74.2	1,823	1.7	371.7	5.0
15-44 YEARS.....	775	5.2	97.3	5,430	5.2	681.8	7.0
45-64 YEARS.....	456	3.1	186.3	3,783	3.6	1,544.1	8.3
65 YEARS AND OVER.....	397	2.7	359.1	4,176	4.0	3,772.3	10.5
RACE NOT STATED, ALL AGES.....	1,349	9.1	...	8,680	8.3	...	6.4
UNDER 15 YEARS.....	162	1.1	...	673	0.6	...	4.2
15-44 YEARS.....	406	2.7	...	2,165	2.1	...	5.3
45-64 YEARS.....	368	2.5	...	2,549	2.4	...	6.9
65 YEARS AND OVER.....	414	2.8	...	3,293	3.1	...	8.0
FEMALE							
ALL RACES, ALL AGES.....	22,263	100.0	183.6	140,065	100.0	1,155.2	6.3
UNDER 15 YEARS.....	1,377	6.2	54.5	6,352	4.5	251.5	4.6
15-44 YEARS.....	10,228	45.9	183.1	45,294	32.3	810.8	4.4
45-64 YEARS.....	4,231	19.0	180.9	30,636	21.9	1,310.2	7.2
65 YEARS AND OVER.....	6,427	28.9	383.9	57,783	41.3	3,451.6	9.0
WHITE, ALL AGES.....	16,892	75.9	164.2	108,309	77.3	1,052.9	6.4
UNDER 15 YEARS.....	991	4.4	48.4	4,332	3.1	211.6	4.4
15-44 YEARS.....	7,198	32.3	153.6	31,986	22.8	682.5	4.4
45-64 YEARS.....	3,341	15.0	163.8	23,996	17.1	1,176.1	7.2
65 YEARS AND OVER.....	5,361	24.1	354.4	47,995	34.3	3,172.4	9.0
ALL OTHER, ALL AGES.....	3,309	14.9	180.0	20,550	14.7	1,118.2	6.2
UNDER 15 YEARS.....	268	1.2	56.1	1,467	1.0	306.5	5.5
15-44 YEARS.....	1,965	8.8	218.3	9,148	6.5	1,016.5	4.7
45-64 YEARS.....	543	2.4	182.1	4,498	3.2	1,510.1	8.3
65 YEARS AND OVER.....	533	2.4	330.6	5,437	3.9	3,372.6	10.2
RACE NOT STATED, ALL AGES.....	2,063	9.3	...	11,207	8.0	...	5.4
UNDER 15 YEARS.....	118	0.5	...	554	0.4	...	4.7
15-44 YEARS.....	1,065	4.8	...	4,161	3.0	...	3.9
45-64 YEARS.....	347	1.6	...	2,141	1.5	...	6.2
65 YEARS AND OVER.....	533	2.4	...	4,351	3.1	...	8.2

TABLE 3. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY GEOGRAPHIC REGION, AGE, AND PRINCIPAL EXPECTED SOURCE OF PAYMENT: UNITED STATES, 1984

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

REGION AND AGE	ALL PRINCIPAL EXPECTED SOURCES OF PAYMENT	PRIVATE INSURANCE	MEDICARE	MEDICAID	WORKMEN'S COMPEN-SATION	OTHER GOVERNMENT PAYMENTS	SELF-PAY	OTHER PAYMENTS AND NO CHARGE
UNITED STATES								
NUMBER OF PATIENTS DISCHARGED IN THOUSANDS								
ALL AGES.....	37,162	17,414	12,177	3,383	655	807	2,301	425
UNDER 15 YEARS.....	3,208	1,965	39	741	-	128	291	43
15-44 YEARS.....	14,533	9,480	348	1,950	449	462	1,547	297
45-64 YEARS.....	8,195	5,728	1,039	577	175	196	405	76
65 YEARS AND OVER.....	11,226	242	10,750	114	31	22	57	*9
NORTHEAST								
ALL AGES.....	7,408	3,412	2,523	801	103	92	412	66
UNDER 15 YEARS.....	573	343	*7	160	-	*7	45	10
15-44 YEARS.....	2,739	1,774	55	466	68	58	276	42
45-64 YEARS.....	1,711	1,232	192	144	32	22	76	13
65 YEARS AND OVER.....	2,385	62	2,269	31	*	*	15	*
NORTH CENTRAL								
ALL AGES.....	9,899	4,815	3,345	880	160	181	428	91
UNDER 15 YEARS.....	839	533	13	207	-	30	50	*6
15-44 YEARS.....	3,734	2,556	100	522	91	108	284	72
45-64 YEARS.....	2,233	1,678	246	131	47	39	83	11
65 YEARS AND OVER.....	3,093	48	2,987	20	21	*	12	*
SOUTH								
ALL AGES.....	13,451	6,331	4,218	1,184	266	293	1,013	146
UNDER 15 YEARS.....	1,351	820	14	291	-	51	159	17
15-44 YEARS.....	5,379	3,507	124	642	201	149	661	95
45-64 YEARS.....	2,914	1,920	436	209	61	86	171	31
65 YEARS AND OVER.....	3,807	84	3,644	42	*	*7	22	*
WEST								
ALL AGES.....	6,405	2,857	2,091	518	127	242	448	121
UNDER 15 YEARS.....	446	269	*6	84	-	40	38	10
15-44 YEARS.....	2,681	1,642	69	320	89	146	327	88
45-64 YEARS.....	1,336	898	165	93	34	49	75	21
65 YEARS AND OVER.....	1,941	48	1,851	21	*	*7	*8	*
UNITED STATES								
NUMBER OF DAYS OF CARE IN THOUSANDS								
ALL AGES.....	244,652	94,895	107,671	19,115	3,879	4,806	11,848	2,438
UNDER 15 YEARS.....	14,367	8,094	335	3,507	-	629	1,550	252
15-44 YEARS.....	71,172	45,132	2,906	9,870	2,432	2,408	6,912	1,512
45-64 YEARS.....	58,877	39,518	8,717	4,580	1,102	1,562	2,804	593
65 YEARS AND OVER.....	100,237	2,150	95,713	1,158	345	207	583	*81
NORTHEAST								
ALL AGES.....	58,017	20,221	28,407	5,050	640	618	2,644	437
UNDER 15 YEARS.....	2,553	1,460	*67	731	-	*32	217	45
15-44 YEARS.....	14,508	8,746	605	2,638	416	343	1,489	271
45-64 YEARS.....	13,901	9,353	2,050	1,246	209	213	723	105
65 YEARS AND OVER.....	27,055	662	25,684	434	*	*	215	*
NORTH CENTRAL								
ALL AGES.....	67,912	28,246	29,104	5,296	1,144	1,234	2,472	416
UNDER 15 YEARS.....	4,126	2,221	133	1,138	-	196	369	*69
15-44 YEARS.....	20,212	13,412	958	2,877	575	659	1,464	267
45-64 YEARS.....	16,600	12,172	2,044	1,116	291	349	554	74
65 YEARS AND OVER.....	26,974	440	25,969	164	279	*	85	*
SOUTH								
ALL AGES.....	82,347	32,291	34,826	6,028	1,488	1,769	4,985	961
UNDER 15 YEARS.....	5,741	3,234	102	1,265	-	238	811	90
15-44 YEARS.....	24,843	15,849	878	2,868	1,053	789	2,836	570
45-64 YEARS.....	19,861	12,476	3,409	1,564	402	636	1,115	259
65 YEARS AND OVER.....	31,903	732	30,437	331	*	*106	223	*
WEST								
ALL AGES.....	36,375	14,138	15,334	2,740	607	1,185	1,747	624
UNDER 15 YEARS.....	1,947	1,180	*33	372	-	163	152	47
15-44 YEARS.....	11,609	7,125	465	1,486	389	617	1,124	404
45-64 YEARS.....	8,515	5,517	1,214	653	200	364	412	154
65 YEARS AND OVER.....	14,305	316	13,622	229	*	*42	*59	*

TABLE 3. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY GEOGRAPHIC REGION, AGE, AND PRINCIPAL EXPECTED SOURCE OF PAYMENT: UNITED STATES, 1984--CON.

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

REGION AND AGE	ALL PRINCIPAL EXPECTED SOURCES OF PAYMENT	PRIVATE INSURANCE	MEDICARE	MEDICAID	WORKMEN'S COMPEN- SATION	OTHER GOVERNMENT PAYMENTS	SELF-PAY	OTHER PAYMENTS AND NO CHARGE
UNITED STATES								
AVERAGE LENGTH OF STAY IN DAYS								
ALL AGES.....	6.6	5.4	8.8	5.7	5.9	6.0	5.1	5.7
UNDER 15 YEARS.....	4.5	4.1	8.5	4.7	-	4.9	5.3	5.8
15-44 YEARS.....	4.9	4.8	8.3	5.1	5.4	5.2	4.5	5.1
45-64 YEARS.....	7.2	6.9	8.4	7.9	6.3	8.0	6.9	7.8
65 YEARS AND OVER.....	8.9	8.9	8.9	10.1	11.0	9.6	10.1	*9.5
NORTHEAST								
ALL AGES.....	7.8	5.9	11.3	6.3	6.2	6.7	6.4	6.6
UNDER 15 YEARS.....	4.5	4.3	*9.1	4.6	-	*4.4	4.8	4.3
15-44 YEARS.....	5.3	4.9	11.1	5.7	6.2	5.9	5.4	6.5
45-64 YEARS.....	8.1	7.6	10.7	8.7	6.5	9.5	9.5	8.4
65 YEARS AND OVER.....	11.3	10.6	11.3	14.2	*	*	14.1	*
NORTH CENTRAL								
ALL AGES.....	6.9	5.9	8.7	6.0	7.2	6.8	5.8	4.6
UNDER 15 YEARS.....	4.9	4.2	10.6	5.5	-	6.6	7.4	*10.7
15-44 YEARS.....	5.4	5.2	9.6	5.5	6.3	6.1	5.2	3.7
45-64 YEARS.....	7.4	7.3	8.3	8.5	6.2	9.0	6.7	6.7
65 YEARS AND OVER.....	8.7	9.2	8.7	8.0	13.0	*	7.3	*
SOUTH								
ALL AGES.....	6.1	5.1	8.3	5.1	5.6	6.0	4.9	6.6
UNDER 15 YEARS.....	4.2	3.9	7.5	4.4	-	4.7	5.1	5.4
15-44 YEARS.....	4.6	4.5	7.1	4.5	5.2	5.3	4.3	6.0
45-64 YEARS.....	6.8	6.5	7.8	7.5	6.6	7.4	6.5	8.3
65 YEARS AND OVER.....	8.4	8.7	8.4	7.9	*	*15.5	10.0	*
WEST								
ALL AGES.....	5.7	4.9	7.3	5.3	4.8	4.9	3.9	5.2
UNDER 15 YEARS.....	4.4	4.4	*5.6	4.4	-	4.1	4.0	4.8
15-44 YEARS.....	4.3	4.3	6.7	4.6	4.4	4.2	3.4	4.6
45-64 YEARS.....	6.4	6.1	7.3	7.0	5.9	7.4	5.5	7.3
65 YEARS AND OVER.....	7.4	6.6	7.4	10.8	*	*5.8	*7.1	*

TABLE 4. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY AGE, GEOGRAPHIC REGION, BED SIZE OF HOSPITAL, AND SEX: UNITED STATES, 1984

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

AGE, REGION, AND BED SIZE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS			NUMBER OF DAYS OF CARE IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS		
ALL AGES									
UNITED STATES, ALL SIZES.....	37,162	14,899	22,263	244,652	104,587	140,065	6.6	7.0	6.3
6-99 BEDS.....	5,972	2,352	3,621	31,880	12,819	19,061	5.3	5.5	5.3
100-199 BEDS.....	6,624	2,605	4,019	40,022	17,090	22,932	6.0	6.6	5.7
200-299 BEDS.....	6,361	2,614	3,747	41,868	17,844	24,024	6.6	6.8	6.4
300-499 BEDS.....	10,139	4,055	6,084	70,064	29,563	40,501	6.9	7.3	6.7
500 BEDS OR MORE.....	8,066	3,273	4,793	60,817	27,270	33,547	7.5	8.3	7.0
NORTHEAST, ALL SIZES.....	7,408	3,086	4,321	58,017	25,132	32,886	7.8	8.1	7.6
6-99 BEDS.....	793	374	419	5,671	2,733	2,938	7.1	7.3	7.0
100-199 BEDS.....	932	389	543	6,308	2,636	3,672	6.8	6.8	6.8
200-299 BEDS.....	1,340	575	766	11,086	4,695	6,391	8.3	8.2	8.3
300-499 BEDS.....	2,792	1,116	1,676	21,819	9,132	12,687	7.8	8.2	7.6
500 BEDS OR MORE.....	1,550	632	918	13,134	5,936	7,198	8.5	9.4	7.8
NORTH CENTRAL, ALL SIZES.....	9,899	4,042	5,857	67,912	29,320	38,592	6.9	7.3	6.6
6-99 BEDS.....	1,270	483	787	6,776	2,539	4,238	5.3	5.3	5.4
100-199 BEDS.....	986	401	585	6,339	2,931	3,408	6.4	7.3	5.8
200-299 BEDS.....	1,761	704	1,057	11,127	4,418	6,709	6.3	6.3	6.3
300-499 BEDS.....	2,922	1,231	1,690	20,481	8,908	11,573	7.0	7.2	6.8
500 BEDS OR MORE.....	2,961	1,223	1,738	23,189	10,525	12,664	7.8	8.6	7.3
SOUTH, ALL SIZES.....	13,451	5,261	8,190	82,347	34,279	48,068	6.1	6.5	5.9
6-99 BEDS.....	2,504	970	1,534	13,439	5,116	8,323	5.4	5.3	5.4
100-199 BEDS.....	3,731	1,395	2,336	20,936	8,438	12,498	5.6	6.1	5.4
200-299 BEDS.....	2,105	891	1,214	13,281	5,883	7,398	6.3	6.6	6.1
300-499 BEDS.....	2,128	820	1,308	14,061	5,865	8,196	6.6	7.2	6.3
500 BEDS OR MORE.....	2,984	1,186	1,798	20,630	8,977	11,653	6.9	7.6	6.5
WEST, ALL SIZES.....	6,405	2,510	3,895	36,375	15,856	20,519	5.7	6.3	5.3
6-99 BEDS.....	1,406	524	881	5,994	2,432	3,562	4.3	4.6	4.0
100-199 BEDS.....	975	420	555	6,439	3,085	3,354	6.6	7.3	6.0
200-299 BEDS.....	1,154	445	710	6,375	2,848	3,527	5.5	6.4	5.0
300-499 BEDS.....	2,298	888	1,410	13,703	5,659	8,045	6.0	6.4	5.7
500 BEDS OR MORE.....	572	233	338	3,864	1,832	2,032	6.8	7.9	6.0
UNDER 15 YEARS									
UNITED STATES, ALL SIZES.....	3,208	1,831	1,377	14,367	8,014	6,352	4.5	4.4	4.6
6-99 BEDS.....	470	266	204	1,392	776	616	3.0	2.9	3.0
100-199 BEDS.....	753	417	336	3,250	1,806	1,444	4.3	4.3	4.3
200-299 BEDS.....	555	330	225	2,321	1,334	987	4.2	4.0	4.4
300-499 BEDS.....	782	454	328	3,517	1,998	1,519	4.5	4.4	4.6
500 BEDS OR MORE.....	648	364	284	3,886	2,100	1,786	6.0	5.8	6.3
NORTHEAST, ALL SIZES.....	573	336	236	2,553	1,461	1,091	4.5	4.3	4.6
6-99 BEDS.....	52	29	23	161	97	64	3.1	3.3	2.8
100-199 BEDS.....	67	38	29	256	141	115	3.8	3.7	4.0
200-299 BEDS.....	80	46	33	293	171	122	3.7	3.7	3.7
300-499 BEDS.....	248	150	98	1,163	685	479	4.7	4.6	4.9
500 BEDS OR MORE.....	126	72	53	679	368	311	5.4	5.1	5.8
NORTH CENTRAL, ALL SIZES.....	839	488	351	4,126	2,325	1,802	4.9	4.8	5.1
6-99 BEDS.....	94	53	41	256	147	110	2.7	2.8	2.7
100-199 BEDS.....	96	53	43	406	244	162	4.2	4.6	3.8
200-299 BEDS.....	199	127	72	928	555	373	4.7	4.4	5.2
300-499 BEDS.....	206	120	87	798	464	334	3.9	3.9	3.9
500 BEDS OR MORE.....	243	134	109	1,738	915	823	7.1	6.8	7.5
SOUTH, ALL SIZES.....	1,351	751	600	5,741	3,164	2,577	4.2	4.2	4.3
6-99 BEDS.....	222	121	101	657	354	303	3.0	2.9	3.0
100-199 BEDS.....	535	295	240	2,357	1,293	1,065	4.4	4.4	4.4
200-299 BEDS.....	196	114	82	748	433	315	3.8	3.8	3.8
300-499 BEDS.....	165	89	76	778	420	358	4.7	4.7	4.7
500 BEDS OR MORE.....	233	132	101	1,201	664	536	5.2	5.0	5.3
WEST, ALL SIZES.....	446	257	189	1,947	1,065	882	4.4	4.1	4.7
6-99 BEDS.....	102	62	40	318	178	139	3.1	2.9	3.5
100-199 BEDS.....	56	31	25	230	129	102	4.1	4.1	4.1
200-299 BEDS.....	80	47	37	352	175	177	4.4	4.1	4.7
300-499 BEDS.....	162	93	67	778	430	348	4.8	4.5	5.2
500 BEDS OR MORE.....	46	26	19	267	153	116	5.9	5.8	6.0

TABLE 4. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY AGE, GEOGRAPHIC REGION, BED SIZE OF HOSPITAL, AND SEX: UNITED STATES, 1984--CON.

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

AGE, REGION, AND BED SIZE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
<b>15-44 YEARS</b>									
	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS			NUMBER OF DAYS OF CARE IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS		
UNITED STATES, ALL SIZES.....	14,533	4,305	10,228	71,172	25,878	45,294	4.9	6.0	4.4
6-99 BEDS.....	2,171	660	1,510	8,920	3,259	5,661	4.1	4.9	3.7
100-199 BEDS.....	2,438	733	1,904	12,244	4,310	7,934	4.6	5.9	4.2
200-299 BEDS.....	2,325	732	1,593	10,697	3,959	6,739	4.6	5.4	4.2
300-499 BEDS.....	4,032	1,189	2,843	20,230	7,165	13,065	5.0	6.0	4.6
500 BEDS OR MORE.....	3,367	989	2,378	19,080	7,185	11,895	5.7	7.3	5.0
NORTHEAST, ALL SIZES.....	2,739	882	1,857	14,508	5,851	8,658	5.3	6.6	4.7
6-99 BEDS.....	292	127	165	1,880	1,020	860	6.4	8.0	5.2
100-199 BEDS.....	308	95	213	1,273	396	877	4.1	4.1	4.1
200-299 BEDS.....	430	159	271	2,269	1,025	1,244	5.3	6.5	4.6
300-499 BEDS.....	1,045	295	750	5,321	1,818	3,502	5.1	6.2	4.7
500 BEDS OR MORE.....	663	206	457	3,765	1,591	2,174	5.7	7.7	4.8
NORTH CENTRAL, ALL SIZES.....	3,734	1,150	2,584	20,212	7,555	12,657	5.4	6.6	4.9
6-99 BEDS.....	420	112	308	1,726	506	1,220	4.1	4.5	4.0
100-199 BEDS.....	387	122	265	2,232	1,005	1,228	5.8	8.3	4.6
200-299 BEDS.....	637	188	449	2,937	986	1,951	4.6	5.3	4.3
300-499 BEDS.....	1,120	387	733	6,146	2,436	3,710	5.5	6.3	5.1
500 BEDS OR MORE.....	1,170	341	829	7,170	2,621	4,548	6.1	7.7	5.5
SOUTH, ALL SIZES.....	5,379	1,499	3,880	24,843	8,201	16,642	4.6	5.5	4.3
6-99 BEDS.....	838	247	591	3,280	1,062	2,218	3.9	4.3	3.8
100-199 BEDS.....	1,590	396	1,194	6,649	1,956	4,692	4.2	4.9	3.9
200-299 BEDS.....	812	271	541	3,845	1,427	2,418	4.7	5.3	4.5
300-499 BEDS.....	870	230	640	4,279	1,391	2,889	4.9	6.1	4.5
500 BEDS OR MORE.....	1,270	355	914	6,790	2,366	4,425	5.3	6.7	4.8
WEST, ALL SIZES.....	2,681	773	1,908	11,609	4,272	7,337	4.3	5.5	3.8
6-99 BEDS.....	620	173	446	2,034	671	1,363	3.3	3.9	3.1
100-199 BEDS.....	352	120	232	2,090	953	1,137	5.9	7.9	4.9
200-299 BEDS.....	446	115	331	1,646	521	1,125	3.7	4.5	3.4
300-499 BEDS.....	997	277	720	4,484	1,520	2,964	4.5	5.5	4.1
500 BEDS OR MORE.....	265	87	178	1,355	607	748	5.1	7.0	4.2
<b>45-64 YEARS</b>									
UNITED STATES, ALL SIZES.....	8,195	3,964	4,231	58,877	28,241	30,636	7.2	7.1	7.2
6-99 BEDS.....	1,212	551	661	6,697	2,981	3,715	5.5	5.4	5.6
100-199 BEDS.....	1,336	636	700	8,820	4,190	4,630	6.6	6.6	6.6
200-299 BEDS.....	1,382	661	722	9,732	4,582	5,150	7.0	6.9	7.1
300-499 BEDS.....	2,305	1,129	1,176	17,364	8,392	8,972	7.5	7.4	7.6
500 BEDS OR MORE.....	1,960	987	972	16,264	8,096	8,168	8.3	8.2	8.4
NORTHEAST, ALL SIZES.....	1,711	863	848	13,901	6,987	6,914	8.1	8.1	8.1
6-99 BEDS.....	178	102	76	1,258	715	543	7.1	7.0	7.1
100-199 BEDS.....	203	99	103	1,417	700	718	7.0	7.0	6.9
200-299 BEDS.....	335	170	165	2,582	1,275	1,307	7.7	7.5	7.9
300-499 BEDS.....	635	318	317	5,283	2,686	2,597	8.3	8.5	8.2
500 BEDS OR MORE.....	361	174	186	3,361	1,611	1,750	9.3	9.2	9.4
NORTH CENTRAL, ALL SIZES.....	2,233	1,067	1,167	16,600	7,728	8,872	7.4	7.2	7.6
6-99 BEDS.....	249	105	144	1,398	547	851	5.6	5.2	5.9
100-199 BEDS.....	202	98	103	1,378	656	722	6.8	6.7	7.0
200-299 BEDS.....	348	156	192	2,399	997	1,402	6.9	6.4	7.3
300-499 BEDS.....	682	327	356	5,008	2,359	2,649	7.3	7.2	7.4
500 BEDS OR MORE.....	752	381	371	6,417	3,169	3,247	8.5	8.3	8.7
SOUTH, ALL SIZES.....	2,914	1,397	1,517	19,861	9,482	10,379	6.8	6.8	6.8
6-99 BEDS.....	500	217	283	2,742	1,126	1,616	5.5	5.2	5.7
100-199 BEDS.....	708	332	377	4,493	2,094	2,399	6.3	6.3	6.4
200-299 BEDS.....	489	234	255	3,349	1,618	1,731	6.9	6.9	6.8
300-499 BEDS.....	492	244	248	3,762	1,822	1,940	7.6	7.5	7.8
500 BEDS OR MORE.....	725	370	354	5,515	2,822	2,693	7.6	7.6	7.6
WEST, ALL SIZES.....	1,336	638	699	6,515	4,043	4,471	6.4	6.3	6.4
6-99 BEDS.....	285	127	157	1,299	594	705	4.6	4.7	4.5
100-199 BEDS.....	224	106	117	1,532	741	791	6.8	7.0	6.8
200-299 BEDS.....	211	102	109	1,402	691	711	6.7	6.8	6.5
300-499 BEDS.....	495	240	255	3,311	1,525	1,786	6.7	6.3	7.0
500 BEDS OR MORE.....	122	62	60	971	493	478	7.9	7.9	7.9

TABLE 4. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY AGE, GEOGRAPHIC REGION, BED SIZE OF HOSPITAL, AND SEX: UNITED STATES, 1984--CON.

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

AGE, REGION, AND BED SIZE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
65 YEARS AND OVER									
	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS			NUMBER OF DAYS OF CARE IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS		
UNITED STATES, ALL SIZES.....	11,226	4,799	6,427	100,237	42,454	57,783	8.9	8.8	9.0
6-99 BEDS.....	2,120	875	1,245	14,871	5,803	9,068	7.0	6.6	7.3
100-199 BEDS.....	1,897	819	1,078	15,708	6,784	8,924	8.3	8.3	8.3
200-299 BEDS.....	2,098	891	1,207	19,118	7,969	11,149	9.1	8.9	9.2
300-499 BEDS.....	3,020	1,283	1,737	28,953	12,009	16,944	9.6	9.4	9.8
500 BEDS OR MORE.....	2,091	932	1,159	21,587	9,889	11,698	10.3	10.6	10.1
NORTHEAST, ALL SIZES.....	2,385	1,005	1,380	27,055	10,832	16,223	11.3	10.8	11.8
6-99 BEDS.....	271	116	155	2,372	901	1,471	8.8	7.7	9.5
100-199 BEDS.....	354	156	198	3,361	1,399	1,962	9.5	9.0	9.9
200-299 BEDS.....	496	199	296	5,941	2,223	3,718	12.0	11.1	12.6
300-499 BEDS.....	864	354	510	10,052	3,943	6,109	11.6	11.1	12.0
500 BEDS OR MORE.....	400	179	221	5,329	2,365	2,963	13.3	13.2	13.4
NORTH CENTRAL, ALL SIZES.....	3,093	1,338	1,756	26,974	11,713	15,261	8.7	8.8	8.7
6-99 BEDS.....	506	212	294	3,396	1,338	2,058	6.7	6.3	7.0
100-199 BEDS.....	302	128	174	2,322	1,026	1,296	7.7	8.0	7.5
200-299 BEDS.....	577	233	344	4,863	1,880	2,982	8.4	8.1	8.7
300-499 BEDS.....	913	397	515	8,528	3,649	4,879	9.3	9.2	9.5
500 BEDS OR MORE.....	795	367	428	7,865	3,819	4,046	9.9	10.4	9.4
SOUTH, ALL SIZES.....	3,807	1,614	2,192	31,903	13,432	18,470	8.4	8.3	8.4
6-99 BEDS.....	944	384	560	6,760	2,575	4,185	7.2	6.7	7.5
100-199 BEDS.....	898	372	526	7,438	3,096	4,342	8.3	8.3	8.3
200-299 BEDS.....	608	273	335	5,339	2,404	2,934	8.8	8.8	8.8
300-499 BEDS.....	600	257	344	5,242	2,233	3,009	8.7	8.7	8.8
500 BEDS OR MORE.....	757	328	428	7,124	3,125	3,999	9.4	9.5	9.3
WEST, ALL SIZES.....	1,941	842	1,099	14,305	6,476	7,828	7.4	7.7	7.1
6-99 BEDS.....	399	162	237	2,343	989	1,355	5.9	6.1	5.7
100-199 BEDS.....	343	162	181	2,587	1,263	1,325	7.5	7.8	7.3
200-299 BEDS.....	417	186	232	2,975	1,461	1,514	7.1	7.9	6.5
300-499 BEDS.....	643	275	368	5,130	2,184	2,946	8.0	7.9	8.0
500 BEDS OR MORE.....	139	58	81	1,269	580	689	9.2	10.1	8.5

TABLE 5. RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, BY AGE, GEOGRAPHIC REGION, AND SEX: UNITED STATES, 1984

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

AGE AND REGION	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
ALL AGES						
	RATE OF PATIENTS DISCHARGED PER 1,000 POPULATION			RATE OF DAYS OF CARE PER 1,000 POPULATION		
UNITED STATES.....	158.5	131.6	183.6	1,043.5	923.9	1,155.2
NORTHEAST.....	149.3	130.5	166.4	1,169.3	1,062.8	1,266.3
NORTH CENTRAL.....	167.9	141.4	192.8	1,151.7	1,025.5	1,270.5
SOUTH.....	168.8	137.3	198.0	1,033.5	894.8	1,162.0
WEST.....	138.7	110.8	165.5	787.6	699.9	872.1
UNDER 15 YEARS						
UNITED STATES.....	62.0	69.2	54.5	277.7	302.7	251.5
NORTHEAST.....	58.2	66.7	49.2	259.2	289.9	227.0
NORTH CENTRAL.....	63.6	72.2	54.6	312.9	344.0	280.2
SOUTH.....	74.8	81.3	68.0	318.0	342.6	292.1
WEST.....	41.9	47.1	36.4	183.0	195.5	169.8
15-44 YEARS						
UNITED STATES.....	132.2	79.6	183.1	647.3	478.4	810.8
NORTHEAST.....	118.8	78.4	157.4	629.5	520.2	733.8
NORTH CENTRAL.....	135.7	84.4	186.1	734.7	554.5	911.6
SOUTH.....	144.8	82.7	204.2	668.9	452.2	875.7
WEST.....	120.4	69.7	170.7	521.5	385.3	656.6
45-64 YEARS						
UNITED STATES.....	183.3	185.8	180.9	1,316.8	1,324.1	1,310.2
NORTHEAST.....	167.7	179.1	157.5	1,362.2	1,450.2	1,283.2
NORTH CENTRAL.....	202.2	200.7	203.6	1,503.1	1,454.4	1,548.3
SOUTH.....	193.4	196.2	190.8	1,318.0	1,332.1	1,305.3
WEST.....	159.3	156.3	162.0	1,014.6	990.7	1,036.7
65 YEARS AND OVER						
UNITED STATES.....	400.4	424.8	383.9	3,574.8	3,757.3	3,451.6
NORTHEAST.....	366.0	395.8	347.0	4,152.8	4,266.4	4,080.2
NORTH CENTRAL.....	428.3	462.1	405.7	3,734.5	4,045.9	3,526.9
SOUTH.....	404.4	422.3	392.1	3,388.8	3,513.6	3,303.5
WEST.....	397.2	412.6	386.3	2,926.5	3,173.2	2,750.6



TABLE 6. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY TYPE OF OWNERSHIP OF HOSPITAL AND AGE AND SEX OF PATIENT: UNITED STATES, 1984

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

TYPE OF OWNERSHIP AND AGE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS			NUMBER OF DAYS OF CARE IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS		
<b>ALL TYPES</b>									
ALL AGES.....	37,162	14,899	22,263	244,652	104,587	140,065	6.6	7.0	6.3
UNDER 15 YEARS.....	3,208	1,831	1,377	14,367	8,014	6,352	4.5	4.4	4.6
15-44 YEARS.....	14,533	4,305	10,228	71,172	25,878	45,294	4.9	6.0	4.4
45-64 YEARS.....	8,195	3,964	4,231	58,877	28,241	30,636	7.2	7.1	7.2
65 YEARS AND OVER.....	11,226	4,799	6,427	100,237	42,454	57,783	8.9	8.8	9.0
<b>VOLUNTARY NONPROFIT</b>									
ALL AGES.....	25,651	10,208	15,443	174,270	73,793	100,477	6.8	7.2	6.5
UNDER 15 YEARS.....	2,235	1,289	946	9,998	5,610	4,389	4.5	4.4	4.6
15-44 YEARS.....	9,748	2,754	6,994	47,724	16,518	31,206	4.9	6.0	4.5
45-64 YEARS.....	5,761	2,786	2,975	42,734	20,442	22,292	7.4	7.3	7.5
65 YEARS AND OVER.....	7,907	3,379	4,528	73,814	31,224	42,590	9.3	9.2	9.4
<b>GOVERNMENT</b>									
ALL AGES.....	7,849	3,218	4,631	47,496	21,229	26,267	6.1	6.6	5.7
UNDER 15 YEARS.....	760	427	333	3,564	1,982	1,582	4.7	4.6	4.7
15-44 YEARS.....	3,353	1,049	2,304	16,238	6,533	9,705	4.8	6.2	4.2
45-64 YEARS.....	1,576	782	794	10,741	5,226	5,516	6.8	6.7	6.9
65 YEARS AND OVER.....	2,159	959	1,200	16,952	7,489	9,464	7.9	7.8	7.9
<b>PROPRIETARY</b>									
ALL AGES.....	3,662	1,473	2,189	22,885	9,564	13,321	6.2	6.5	6.1
UNDER 15 YEARS.....	213	115	97	804	422	382	3.8	3.7	3.9
15-44 YEARS.....	1,432	501	930	7,209	2,827	4,382	5.0	5.6	4.7
45-64 YEARS.....	857	395	462	5,401	2,573	2,828	6.3	6.5	6.1
65 YEARS AND OVER.....	1,160	461	699	9,470	3,742	5,728	8.2	8.1	8.2

TABLE 7. NUMBER, PERCENT DISTRIBUTION, AND RATE OF WOMEN WITH DELIVERIES DISCHARGED FROM SHORT-STAY HOSPITALS AND OF DAYS OF CARE, AND AVERAGE LENGTH OF STAY, BY AGE, RACE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1984

(DISCHARGES FROM NONFEDERAL HOSPITALS)

AGE, RACE, REGION, AND BED SIZE	DISCHARGED PATIENTS			DAYS OF CARE			
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	AVERAGE LENGTH OF STAY IN DAYS
10-54 YEARS.....	3,853	100.0	50.7	13,225	100.0	174.1	3.4
<b>AGE</b>							
10-14 YEARS.....	13	0.3	1.5	42	0.3	4.9	3.2
15-44 YEARS.....	3,836	99.6	68.7	13,170	99.6	235.8	3.4
15-19 YEARS.....	490	12.7	53.3	1,605	12.1	174.5	3.3
20-24 YEARS.....	1,153	29.9	109.2	3,763	28.5	356.4	3.3
25-29 YEARS.....	1,271	33.0	119.3	4,347	32.9	408.0	3.4
30-34 YEARS.....	663	17.2	67.2	2,433	18.4	246.5	3.7
35-44 YEARS.....	259	6.7	16.6	1,022	7.7	65.6	3.9
45-54 YEARS.....	*	*	*	*	*	*	*
10-17 YEARS.....	198	5.1	14.2	686	5.2	49.3	3.5
18-54 YEARS.....	3,655	94.9	58.9	12,539	94.8	202.1	3.4
<b>RACE</b>							
WHITE.....	2,644	68.6	41.5	9,021	68.2	141.5	3.4
ALL OTHER.....	724	18.8	59.2	2,649	20.0	216.8	3.7
RACE NOT STATED.....	485	12.6	...	1,554	11.8	...	3.2
<b>REGION</b>							
NORTHEAST.....	668	17.3	41.2	2,618	19.8	161.6	3.9
NORTH CENTRAL.....	973	25.3	51.7	3,613	27.3	191.8	3.7
SOUTH.....	1,406	36.5	54.3	4,812	36.4	185.9	3.4
WEST.....	806	20.9	53.5	2,182	16.5	145.0	2.7
<b>BED SIZE</b>							
6-99 BEDS.....	511	13.3	...	1,422	10.8	...	2.8
100-199 BEDS.....	680	17.7	...	2,196	16.6	...	3.2
200-299 BEDS.....	560	14.5	...	1,845	14.0	...	3.3
300-499 BEDS.....	1,139	29.6	...	4,036	30.5	...	3.5
500 BEDS OR MORE.....	963	25.0	...	3,727	28.2	...	3.9

TABLE 8. NUMBER OF WOMEN WITH DELIVERIES AND NUMBER OF DAYS OF CARE AND AVERAGE LENGTH OF STAY FOR WOMEN WITH DELIVERIES DISCHARGED FROM SHORT-STAY HOSPITALS, BY GEOGRAPHIC REGION AND BED SIZE OF HOSPITAL: UNITED STATES, 1984

(DISCHARGES FROM NONFEDERAL HOSPITALS)

REGION	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE
NUMBER OF PATIENTS DISCHARGED IN THOUSANDS						
UNITED STATES.....	3,853	511	680	560	1,139	963
NORTHEAST.....	668	47	71	78	304	168
NORTH CENTRAL.....	973	97	100	172	267	338
SOUTH.....	1,406	182	447	154	254	369
WEST.....	806	185	62	157	314	88
NUMBER OF DAYS OF CARE IN THOUSANDS						
UNITED STATES.....	13,225	1,422	2,196	1,845	4,036	3,727
NORTHEAST.....	2,618	161	258	301	1,235	663
NORTH CENTRAL.....	3,613	338	351	555	1,021	1,348
SOUTH.....	4,812	520	1,432	551	873	1,436
WEST.....	2,182	403	155	438	906	280
AVERAGE LENGTH OF STAY IN DAYS						
UNITED STATES.....	3.4	2.8	3.2	3.3	3.5	3.9
NORTHEAST.....	3.9	3.4	3.6	3.9	4.1	3.9
NORTH CENTRAL.....	3.7	3.5	3.5	3.2	3.8	4.0
SOUTH.....	3.4	2.9	3.2	3.6	3.4	3.9
WEST.....	2.7	2.2	2.5	2.8	2.9	3.2

TABLE 9. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND AGE: UNITED STATES, 1984

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS				
						ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
01 ALL CONDITIONS.....	37,162	3,208	14,533	8,195	11,226					
02 INFECTIOUS AND PARASITIC DISEASES.....001-139	658	185	217	89	166					
03 NEOPLASMS.....140-239	2,576	62	456	884	1,174					
04 MALIGNANT NEOPLASMS.....140-208,230-234	2,059	36	227	727	1,070					
05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197,0,197,3	340	*	13	155	172					
06 MALIGNANT NEOPLASM OF BREAST.....174-175,198,81	234	*	33	101	100					
07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	517	27	230	157	104					
08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,139	78	273	314	474					
09 DIABETES MELLITUS.....250	593	23	143	199	227					
10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	354	57	86	58	153					
11 ANEMIAS.....280-285	244	24	54	41	125					
12 MENTAL DISORDERS.....290-319	1,690	50	966	413	261					
13 PSYCHOSES.....290-299	625	*7	329	155	133					
14 NEUROTIC AND PERSONALITY DISORDERS.....300-301	228	*7	134	58	28					
15 ALCOHOL DEPENDENCE SYNDROME.....303	392	*	232	128	31					
16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,669	257	349	345	718					
17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	441	58	157	92	134					
18 CATARACT.....366	481	*	10	74	395					
19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	321	152	60	56	53					
20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,593	35	531	1,762	3,265					
21 ESSENTIAL HYPERTENSION.....401	266	*	48	115	102					
22 HEART DISEASE.....391-392,0,393-398,402,404,410-416,420-429	3,599	20	266	1,203	2,110					
23 ACUTE MYOCARDIAL INFARCTION.....410	700	*	42	257	401					
24 ATHEROSCLEROTIC HEART DISEASE.....414,0	365	*	18	135	212					
25 OTHER ISCHEMIC HEART DISEASE.....411-413,414,1-414,9	969	*	74	422	471					
26 CONGESTIVE HEART FAILURE.....428,0	531	*	11	92	425					
27 CEREBROVASCULAR DISEASE.....430-438	896	*5	32	192	667					
28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,365	877	708	642	1,137					
29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	449	199	86	65	99					
30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	327	218	105	*	*					
31 PNEUMONIA, ALL FORMS.....480-486	837	207	114	136	380					
32 ASTHMA.....493	465	150	109	102	105					
33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,305	409	1,365	1,169	1,361					
34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	327	*	81	98	146					
35 GASTRITIS AND DUODENITIS.....535	266	17	103	85	61					
36 APPENDICITIS.....540-543	270	69	158	28	15					
37 INGUINAL HERNIA.....550	440	58	125	131	125					
38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	540	171	175	88	106					
39 DIVERTICULA OF INTESTINE.....562	188	-	13	60	115					
40 CHOLELITHIASIS.....574	488	*	177	155	155					
41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,116	134	1,460	753	769					
42 CALCULUS OF KIDNEY AND URETER.....592	328	*	149	126	52					
43 HYPERPLASIA OF PROSTATE.....600	270	*	*	77	190					
44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	254	*	191	59	*					
45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	969	*6	960	*	...					
46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	418	*	413	*	...					
47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	568	60	205	147	156					
48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,375	68	925	755	627					
49 ARTHROPATHIES AND RELATED DISORDERS.....710-719	536	19	161	161	196					
50 INTERVERTEBRAL DISC DISORDERS.....722	509	*	271	183	53					
51 CONGENITAL ANOMALIES.....740-759	317	166	81	43	26					
52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	167	166	*	-	*					
53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	520	93	209	140	79					
54 INJURY AND POISONING.....800-999	3,472	438	1,622	596	816					
55 FRACTURES, ALL SITES.....800-829	1,114	146	387	161	420					
56 FRACTURE OF NECK OF FEMUR.....820	244	*	11	25	205					
57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	269	*	168	70	28					
58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	270	68	141	25	35					
59 LACERATIONS AND OPEN WOUNDS.....870-904	315	45	204	42	25					
60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,308	66	4,119	81	42					
61 PERSONS ADMITTED FOR STERILIZATION.....V25.2	113	-	111	*	-					
62 FEMALES WITH DELIVERIES.....V27	3,853	13	3,836	*	...					

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

TABLE 9. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND AGE: UNITED STATES, 1984--CON.

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

ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER	
RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION					AVERAGE LENGTH OF STAY IN DAYS					
1,585.1	620.1	1,321.7	1,832.8	4,003.6	6.6	4.5	4.9	7.2	8.9	01
28.1	35.9	19.8	19.9	59.2	6.6	4.0	5.7	8.1	10.1	02
109.9	12.1	41.5	197.7	418.6	9.0	5.1	6.4	8.7	10.4	03
87.8	7.0	20.6	162.6	381.5	9.8	6.6	7.9	9.1	10.7	04
14.5	*	1.2	34.7	61.2	9.5	*	7.6	8.7	10.4	05
10.0	*	3.0	22.5	35.7	8.3	*	6.9	7.7	9.4	06
22.1	5.1	20.9	35.1	37.2	5.7	3.2	4.9	6.6	6.8	07
48.6	15.0	24.8	70.3	169.2	7.6	4.7	5.7	7.4	9.4	08
25.3	4.5	13.0	44.5	81.1	8.2	5.8	5.9	8.2	9.9	09
15.1	11.0	7.8	13.1	54.6	6.2	3.7	5.1	6.7	7.4	10
10.4	4.6	5.0	9.1	44.4	6.6	4.2	5.5	6.9	7.4	11
72.1	9.6	87.8	92.4	93.2	11.9	16.7	11.8	11.4	12.2	12
26.6	*1.4	29.9	34.6	47.5	14.5	*26.5	14.5	14.3	14.1	13
9.7	*1.4	12.2	13.0	10.0	11.2	*22.2	11.7	10.0	8.4	14
16.7	*	21.1	28.6	11.1	10.6	*	10.6	10.0	13.3	15
71.2	49.7	31.7	77.2	256.1	4.8	3.6	5.0	5.1	5.0	16
18.8	11.1	14.3	20.7	47.9	9.3	6.9	7.1	9.6	12.9	17
20.5	*	0.9	16.6	140.7	2.4	*	2.8	2.5	2.4	18
13.7	29.4	5.4	12.5	18.9	3.2	2.6	2.7	3.6	4.9	19
238.6	6.7	48.3	394.1	1,164.5	8.2	6.3	6.2	7.5	9.0	20
11.3	*	4.4	25.6	36.3	5.6	*	4.4	5.1	6.8	21
153.5	3.8	24.2	269.1	752.4	7.8	6.1	6.1	7.1	8.4	22
29.9	*	3.8	57.5	142.9	10.0	*	8.3	9.5	10.4	23
15.6	*	1.6	30.1	75.6	7.2	*	5.4	6.4	7.9	24
41.3	*	6.7	94.3	168.0	6.0	*	5.0	5.7	6.4	25
22.6	*	1.0	20.6	151.7	8.6	*	6.1	8.3	8.7	26
38.2	*0.9	3.0	42.9	237.9	10.4	*8.5	11.1	10.3	10.4	27
143.5	169.6	64.4	143.6	405.4	6.0	3.4	3.9	6.8	8.9	28
19.2	38.5	7.8	14.5	35.4	4.6	3.2	3.9	5.8	7.1	29
14.0	42.2	9.6	*	*	1.7	1.6	1.7	*	*	30
35.7	39.9	10.3	30.5	135.6	7.8	4.8	5.9	8.1	9.8	31
19.8	28.9	9.9	22.8	37.3	5.2	3.6	4.5	5.7	7.6	32
183.6	79.1	124.2	261.5	485.5	6.3	3.6	4.9	6.6	8.2	33
13.9	*	7.3	21.8	51.9	7.4	*	5.2	7.1	8.8	34
11.3	3.2	9.4	19.0	21.7	4.7	2.9	4.0	5.2	5.6	35
11.5	13.4	14.4	6.3	5.2	5.1	4.6	4.7	6.8	9.0	36
18.8	11.3	11.4	29.4	44.5	3.8	1.9	2.9	4.0	5.2	37
23.0	33.0	15.9	19.7	37.9	4.9	3.4	4.9	6.0	6.4	38
8.0	-	1.2	13.5	41.0	7.9	-	6.7	7.8	8.1	39
20.8	*	16.1	34.7	55.2	7.6	*	6.2	7.3	9.7	40
132.9	26.0	132.8	168.3	274.1	5.4	3.6	4.4	5.2	7.7	41
14.0	*	13.5	28.2	18.5	4.2	*	3.3	4.2	6.7	42
11.5	*	*	17.3	67.7	7.3	*	*	6.1	7.8	43
10.8	*	17.3	13.3	*	3.5	*	3.4	3.9	*	44
41.3	*1.2	87.3	*	...	2.6	*6.2	2.6	*	...	45
17.8	*	37.5	*	...	2.3	*	2.3	*	...	46
24.2	11.6	18.7	32.8	55.7	8.0	4.0	6.0	8.5	11.7	47
101.3	13.1	84.1	169.0	223.6	7.0	5.5	5.6	6.9	9.3	48
22.9	3.7	14.6	35.9	69.8	8.1	6.1	4.7	8.3	10.9	49
21.7	*	24.6	41.0	19.0	7.6	*	7.1	7.9	9.0	50
13.5	32.1	7.4	9.7	9.4	6.0	5.7	4.4	8.3	9.6	51
7.1	32.1	*	-	*	12.2	12.2	*	-	*	52
22.2	17.9	19.0	31.4	28.0	4.1	3.1	3.6	4.7	5.6	53
148.1	84.7	147.5	133.3	291.1	6.8	3.9	5.4	7.2	11.0	54
47.5	28.3	35.2	36.0	149.6	9.3	4.7	7.0	8.7	13.3	55
10.4	*	1.0	5.5	73.2	15.8	*	17.5	13.6	15.9	56
11.5	*	15.3	15.7	9.9	6.4	*	6.1	7.1	7.5	57
11.5	13.1	12.9	5.6	12.6	5.3	2.6	5.2	6.9	9.5	58
13.5	8.7	18.5	9.3	9.0	4.5	3.8	4.2	5.5	6.9	59
183.8	12.8	374.6	18.2	15.0	3.4	3.3	3.4	4.0	5.0	60
4.8	-	10.1	*	-	1.8	-	1.9	*	-	61
164.4	2.6	348.9	*	...	3.4	3.2	3.4	*	...	62

TABLE 10. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND RACE: UNITED STATES, 1984

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE	SEX					
	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS			RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION		
01 ALL CONDITIONS.....	37,162	14,899	22,263	1,585.1	1,316.2	1,836.2
02 INFECTIOUS AND PARASITIC DISEASES.....001-139	658	301	357	28.1	26.6	29.4
03 NEOPLASMS.....140-239	2,576	1,060	1,516	109.9	93.7	125.1
04 MALIGNANT NEOPLASMS.....140-208,230-234	2,059	943	1,117	87.8	83.3	92.1
05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	340	214	126	14.5	18.9	10.4
06 MALIGNANT NEOPLASM OF BREAST.....174-175,198-81	234	*	231	10.0	*	19.1
07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	517	118	400	22.1	10.4	33.0
08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,139	427	712	48.6	37.7	58.8
09 DIABETES MELLITUS.....250	593	238	354	25.3	21.0	29.2
10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	354	152	202	15.1	13.4	16.7
11 ANEMIAS.....280-285	244	101	143	10.4	8.9	11.8
12 MENTAL DISORDERS.....290-319	1,690	875	815	72.1	77.3	67.3
13 PSYCHOSES.....290-299	625	283	341	26.6	25.0	28.2
14 NEUROTIC AND PERSONALITY DISORDERS.....300-301	228	77	151	9.7	6.8	12.4
15 ALCOHOL DEPENDENCE SYNDROME.....303	392	288	104	16.7	25.5	8.6
16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,669	709	960	71.2	62.6	79.2
17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	441	211	230	18.8	18.6	19.0
18 CATARACT.....366	481	165	316	20.5	14.6	26.1
19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	321	158	162	13.7	14.0	13.4
20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,593	2,856	2,737	238.6	252.3	225.8
21 ESSENTIAL HYPERTENSION.....401	266	110	155	11.3	9.8	12.8
22 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,599	1,905	1,694	153.5	168.3	139.7
23 ACUTE MYOCARDIAL INFARCTION.....410	700	435	266	29.9	38.4	21.9
24 ATHEROSCLEROTIC HEART DISEASE.....414.0	365	225	140	15.6	19.9	11.5
25 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	969	535	434	41.3	47.3	35.8
26 CONGESTIVE HEART FAILURE.....428.0	531	228	303	22.6	20.1	25.0
27 CEREBROVASCULAR DISEASE.....430-438	896	420	476	38.2	37.1	39.3
28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,365	1,654	1,711	143.5	146.1	141.1
29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	449	207	243	19.2	18.2	20.0
30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	327	142	185	14.0	12.5	15.3
31 PNEUMONIA, ALL FORMS.....480-486	837	424	413	35.7	37.4	34.1
32 ASTHMA.....493	465	197	268	19.8	17.4	22.1
33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,305	2,013	2,292	183.6	177.8	189.0
34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	327	179	148	13.9	15.8	12.2
35 GASTRITIS AND DUODENITIS.....535	266	108	158	11.3	9.5	13.0
36 APPENDICITIS.....540-543	270	154	116	11.5	13.6	9.6
37 INGUINAL HERNIA.....550	440	390	50	18.8	34.4	4.1
38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	540	213	327	23.0	18.8	27.0
39 DIVERTICULA OF INTESTINE.....562	188	63	126	8.0	5.5	10.4
40 CHOLELITHIASIS.....574	488	141	347	20.8	12.5	28.6
41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,116	1,043	2,073	132.9	92.1	171.0
42 CALCULUS OF KIDNEY AND URETER.....592	328	222	106	14.0	19.6	8.7
43 HYPERPLASIA OF PROSTATE.....600	270	270	...	11.5	23.8	...
44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	254	...	254	10.8	...	21.0
45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	969	...	969	41.3	...	79.9
46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	418	...	418	17.8	...	34.5
47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	568	263	305	24.2	23.2	25.1
48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,375	1,007	1,368	101.3	89.0	112.8
49 ARTHROPATHIES AND RELATED DISORDERS.....710-719	536	207	329	22.9	18.3	27.1
50 INTERVERTEBRAL DISC DISORDERS.....722	509	288	221	21.7	25.4	18.2
51 CONGENITAL ANOMALIES.....740-759	317	174	143	13.5	15.4	11.8
52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	167	88	79	7.1	7.8	6.5
53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	520	245	276	22.2	21.6	22.7
54 INJURY AND POISONING.....800-999	3,472	1,892	1,580	148.1	167.2	130.3
55 FRACTURES, ALL SITES.....800-829	1,114	541	573	47.5	47.8	47.2
56 FRACTURE OF NECK OF FEMUR.....820	244	64	179	10.4	5.7	14.8
57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	269	128	142	11.5	11.3	11.7
58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	270	157	112	11.5	13.9	9.3
59 LACERATIONS AND OPEN WOUNDS.....870-904	315	230	86	13.5	20.3	7.1
60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,308	141	4,167	183.8	12.5	343.7
61 PERSONS ADMITTED FOR STERILIZATION.....V25.2	113	*	111	4.8	*	9.2
62 FEMALES WITH DELIVERIES.....V27	3,853	...	3,853	164.4	...	317.8

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

TABLE 10. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND RACE: UNITED STATES, 1984--CON.

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

SEX--CON.			RACE												
BOTH SEXES	MALE	FEMALE	ALL RACES	WHITE	ALL OTHER	NOT STATED	ALL RACES	WHITE	ALL OTHER	NOT STATED	ALL RACES	WHITE	ALL OTHER	NOT STATED	
AVERAGE LENGTH OF STAY IN DAYS			NUMBER OF PATIENTS DISCHARGED IN THOUSANDS				RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION				AVERAGE LENGTH OF STAY IN DAYS				
6.6	7.0	6.3	37,162	28,449	5,302	3,412	1,585.1	1,425.0	1,523.4	...	6.6	6.6	6.7	5.8	01
6.6	6.9	6.4	658	489	115	54	28.1	24.5	33.0	...	6.6	6.4	8.2	5.2	02
9.0	9.6	8.5	2,576	2,047	322	207	109.9	102.5	92.5	...	9.0	8.9	10.2	7.7	03
9.8	10.1	9.5	2,059	1,667	228	164	87.8	83.5	65.6	...	9.8	9.6	11.8	8.4	04
9.5	9.4	9.8	340	271	43	26	14.5	13.6	12.3	...	9.5	9.3	10.9	9.6	05
8.3	*	8.3	234	194	22	19	10.0	9.7	6.2	...	8.3	8.3	9.6	6.6	06
5.7	5.6	5.8	517	380	94	43	22.1	19.0	26.9	...	5.7	5.7	6.2	5.0	07
7.6	7.5	7.7	1,139	832	203	104	48.6	41.7	58.2	...	7.6	7.6	8.2	6.9	08
8.2	7.8	8.5	593	408	119	66	25.3	20.4	34.3	...	8.2	8.2	8.8	7.1	09
6.2	5.7	6.5	354	249	84	21	15.1	12.5	24.2	...	6.2	6.0	6.5	6.1	10
6.6	5.9	7.0	244	159	73	11	10.4	8.0	21.1	...	6.6	6.5	6.5	7.5	11
11.9	11.5	12.4	1,690	1,216	282	192	72.1	60.9	81.1	...	11.9	12.3	11.0	10.8	12
14.5	14.0	14.9	625	472	106	46	26.6	23.7	30.5	...	14.5	14.9	13.3	12.9	13
11.2	10.1	11.7	228	184	25	18	9.7	9.2	7.2	...	11.2	11.2	13.6	7.7	14
10.6	10.4	11.2	392	230	80	82	16.7	11.5	23.0	...	10.6	10.9	9.2	11.0	15
4.8	5.1	4.5	1,669	1,315	176	179	71.2	65.9	50.5	...	4.8	4.8	5.5	3.8	16
9.3	9.9	8.8	441	341	60	40	18.8	17.1	17.4	...	9.3	9.6	9.1	7.2	17
2.4	2.2	2.5	481	392	34	55	20.5	19.6	9.9	...	2.4	2.4	3.0	2.3	18
3.2	3.2	3.1	321	247	35	38	13.7	12.4	10.2	...	3.2	3.2	3.3	2.7	19
8.2	7.9	8.6	5,593	4,549	609	435	238.6	227.9	175.1	...	8.2	8.1	9.5	7.6	20
5.6	5.4	5.8	266	191	56	18	11.3	9.6	16.2	...	5.6	5.3	7.0	4.3	21
7.8	7.5	8.1	3,599	2,976	348	274	153.5	149.1	100.1	...	7.8	7.7	8.6	6.9	22
10.0	9.5	10.8	700	589	57	54	29.9	29.5	16.3	...	10.0	10.0	10.8	8.8	23
7.2	7.2	7.3	365	319	23	23	15.6	16.0	6.7	...	7.2	7.3	6.6	5.9	24
6.0	5.8	6.3	969	816	80	73	41.3	40.9	22.9	...	6.0	6.0	6.2	5.7	25
8.6	8.2	8.9	531	423	69	39	22.6	21.2	19.7	...	8.6	8.6	9.1	7.7	26
10.4	9.8	10.8	896	714	108	74	38.2	35.8	31.0	...	10.4	10.0	12.6	10.2	27
6.0	5.9	6.1	3,365	2,672	429	263	143.5	133.8	123.3	...	6.0	6.1	5.7	5.3	28
4.6	4.3	4.8	449	358	62	29	19.2	17.9	17.9	...	4.6	4.8	4.1	3.7	29
1.7	1.6	1.7	327	267	25	34	14.0	13.4	7.3	...	1.7	1.7	2.0	1.4	30
7.8	7.3	8.2	837	660	112	65	35.7	33.0	32.3	...	7.8	7.9	7.1	7.3	31
5.2	4.6	5.6	465	316	113	35	19.8	15.8	32.6	...	5.2	5.3	4.7	5.3	32
6.3	6.0	6.6	4,305	3,419	512	374	183.6	171.3	147.1	...	6.3	6.3	6.5	5.8	33
7.4	7.5	7.3	327	259	41	27	13.9	13.0	11.8	...	7.4	7.5	7.3	6.3	34
4.7	4.5	4.8	266	212	38	17	11.3	10.6	10.8	...	4.7	4.7	4.7	4.2	35
5.1	4.9	5.4	270	211	29	30	11.5	10.6	8.4	...	5.1	5.0	6.6	4.6	36
3.8	3.7	3.9	440	350	45	45	18.8	17.5	12.9	...	3.8	3.8	3.8	3.5	37
4.9	4.7	5.0	540	432	65	43	23.0	21.6	18.6	...	4.9	5.1	4.4	4.1	38
7.9	7.6	8.0	188	163	12	14	8.0	8.1	3.5	...	7.9	7.6	9.7	9.5	39
7.6	8.1	7.4	488	390	46	52	20.8	19.5	13.1	...	7.6	7.7	8.3	6.8	40
5.4	5.9	5.2	3,116	2,415	449	252	132.9	121.0	129.0	...	5.4	5.3	6.1	5.0	41
4.2	4.0	4.7	328	279	21	28	14.0	14.0	6.0	...	4.2	4.1	7.3	3.7	42
7.3	7.3	...	270	231	18	21	11.5	11.6	5.1	...	7.3	7.2	8.2	7.5	43
3.5	...	3.5	254	184	45	25	10.8	9.2	13.0	...	3.5	3.6	3.3	3.6	44
2.6	...	2.6	969	619	260	90	41.3	31.0	74.6	...	2.6	2.6	2.9	2.0	45
2.3	...	2.3	418	255	131	32	17.8	12.8	37.5	...	2.3	2.2	2.5	2.1	46
8.0	7.8	8.1	568	429	97	43	24.2	21.5	27.8	...	8.0	8.1	7.9	7.1	47
7.0	6.5	7.3	2,375	1,861	260	253	101.3	93.2	74.8	...	7.0	7.0	7.0	6.7	48
8.1	7.0	8.8	536	415	62	59	22.9	20.8	17.9	...	8.1	8.1	7.7	8.1	49
7.6	7.0	8.3	509	390	51	67	21.7	19.5	14.8	...	7.6	7.6	8.2	6.6	50
6.0	5.9	6.2	317	239	49	30	13.5	12.0	14.0	...	6.0	5.9	6.4	6.3	51
12.2	11.1	13.4	167	114	36	17	7.1	5.7	10.2	...	12.2	11.9	14.8	8.7	52
4.1	4.0	4.3	520	383	84	53	22.2	19.2	24.3	...	4.1	3.9	4.8	4.6	53
6.8	6.3	7.5	3,472	2,634	520	318	148.1	132.0	149.3	...	6.8	7.0	6.6	5.8	54
9.3	8.2	10.3	1,114	910	107	97	47.5	45.6	30.7	...	9.3	9.5	9.3	7.8	55
15.8	16.1	15.6	244	212	12	20	10.4	10.6	3.3	...	15.8	15.8	17.9	13.8	56
6.4	6.0	6.8	269	193	55	21	11.5	9.7	15.8	...	6.4	6.4	6.7	6.0	57
5.3	5.2	5.3	270	198	41	31	11.5	9.9	11.8	...	5.3	5.4	6.2	3.4	58
4.5	4.4	4.9	315	204	88	23	13.5	10.2	25.3	...	4.5	4.6	4.7	2.8	59
3.4	3.7	3.4	4,308	2,966	815	528	183.8	148.5	234.2	...	3.4	3.4	3.6	3.2	60
1.8	*	1.8	113	75	30	*9	4.8	3.8	8.5	...	1.8	1.8	2.1	*1.5	61
3.4	...	3.4	3,853	2,644	724	485	164.4	132.5	208.1	...	3.4	3.4	3.7	3.2	62

TABLE 11. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND GEOGRAPHIC REGION: UNITED STATES, 1984

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE	UNITED STATES	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST
	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS				
01 ALL CONDITIONS.....	37,162	7,408	9,899	13,451	6,405
02 INFECTIOUS AND PARASITIC DISEASES.....001-139	658	122	158	286	92
03 NEOPLASMS.....140-239	2,576	581	770	772	454
04 MALIGNANT NEOPLASMS.....140-208,230-234	2,059	456	642	589	372
05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	340	69	104	111	57
06 MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	234	62	64	62	47
07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	517	124	129	182	82
08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,139	228	304	433	175
09 DIABETES MELLITUS.....250	593	137	152	219	84
10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	354	73	91	128	62
11 ANEMIAS.....280-285	244	51	61	90	42
12 MENTAL DISORDERS.....290-319	1,690	408	535	469	278
13 PSYCHOSES.....290-299	625	126	195	181	122
14 NEUROTIC AND PERSONALITY DISORDERS.....300-301	228	33	71	85	39
15 ALCOHOL DEPENDENCE SYNDROME.....303	392	163	124	67	38
16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,669	333	490	551	295
17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	441	83	131	156	71
18 CATARACT.....366	481	103	151	125	101
19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	321	64	85	126	45
20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,593	1,200	1,484	1,977	932
21 ESSENTIAL HYPERTENSION.....401	266	49	68	114	34
22 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,599	793	970	1,267	569
23 ACUTE MYOCARDIAL INFARCTION.....410	700	173	173	243	111
24 ATHEROSCLEROTIC HEART DISEASE.....414.0	365	63	124	130	49
25 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	969	217	260	329	164
26 CONGESTIVE HEART FAILURE.....428.0	531	123	143	191	74
27 CEREBROVASCULAR DISEASE.....430-438	896	182	227	313	173
28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,365	623	914	1,333	495
29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	449	70	121	210	49
30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	327	57	103	125	42
31 PNEUMONIA, ALL FORMS.....480-486	837	147	222	347	121
32 ASTHMA.....493	465	108	118	158	82
33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,305	870	1,116	1,660	659
34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	327	62	82	133	50
35 GASTRITIS AND DUODENITIS.....535	266	41	63	138	24
36 APPENDICITIS.....540-543	270	47	67	95	61
37 INGUINAL HERNIA.....550	440	117	108	148	66
38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	540	89	139	243	69
39 DIVERTICULA OF INTESTINE.....562	188	47	41	79	22
40 CHOLELITHIASIS.....574	488	100	131	178	79
41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,116	622	748	1,266	481
42 CALCULUS OF KIDNEY AND URETER.....592	328	55	82	133	58
43 HYPERPLASIA OF PROSTATE.....600	270	67	69	90	43
44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	254	69	53	99	33
45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	969	219	229	358	164
46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	418	125	87	141	65
47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	568	133	146	210	80
48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,375	399	674	815	487
49 ARTHROPATHIES AND RELATED DISORDERS.....710-719	536	101	167	157	111
50 INTERVERTEBRAL DISC DISORDERS.....722	509	70	136	193	109
51 CONGENITAL ANOMALIES.....740-759	317	52	93	110	62
52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	167	22	43	70	32
53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	520	109	131	193	87
54 INJURY AND POISONING.....800-999	3,472	642	900	1,244	686
55 FRACTURES, ALL SITES.....800-829	1,114	216	299	361	238
56 FRACTURE OF NECK OF FEMUR.....820	244	48	70	73	52
57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	269	50	68	124	27
58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	270	64	68	84	53
59 LACERATIONS AND OPEN WOUNDS.....870-904	315	56	65	139	55
60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,308	772	1,075	1,577	884
61 PERSONS ADMITTED FOR STERILIZATION.....V25.2	113	29	15	55	13
62 FEMALES WITH DELIVERIES.....V27	3,853	668	973	1,406	806

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

TABLE 11. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND GEOGRAPHIC REGION: UNITED STATES, 1984--CON.

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

UNITED STATES	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST	UNITED STATES	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST	
RATE OF PATIENTS DISCHARGED PER 10,000 POPULATION					AVERAGE LENGTH OF STAY IN DAYS					
1,585.1	1,493.0	1,678.8	1,688.1	1,386.8	6.6	7.8	6.9	6.1	5.7	01
28.1	24.5	26.8	35.9	20.0	6.6	8.3	6.7	6.0	6.1	02
109.9	117.0	130.7	96.8	98.3	9.0	11.1	9.0	8.1	7.7	03
87.8	92.0	108.9	74.0	80.5	9.8	12.5	9.5	8.9	8.2	04
14.5	13.9	17.6	13.9	12.3	9.5	12.9	8.9	8.8	7.9	05
10.0	12.4	10.8	7.8	10.1	8.3	10.7	8.5	8.0	5.3	06
22.1	25.0	21.8	22.9	17.8	5.7	5.9	6.4	5.4	5.1	07
48.6	45.9	51.5	54.3	37.8	7.6	10.1	7.3	7.1	6.2	08
25.3	27.7	25.7	27.5	18.2	8.2	10.0	7.7	8.0	6.9	09
15.1	14.7	15.5	16.1	13.4	6.2	7.0	6.1	6.0	5.6	10
10.4	10.3	10.3	11.3	9.1	6.6	7.6	6.6	6.2	6.1	11
72.1	82.2	90.7	58.9	60.3	11.9	11.4	13.7	10.2	12.0	12
26.6	25.4	33.1	22.8	26.5	14.5	17.2	15.8	12.4	12.8	13
9.7	6.7	12.0	10.7	8.4	11.2	10.6	12.5	8.7	14.5	14
16.7	32.9	21.0	8.4	8.2	10.6	8.3	13.9	10.2	10.2	15
71.2	67.2	83.1	69.2	63.9	4.8	5.9	4.6	4.6	4.2	16
18.8	16.7	22.2	19.6	15.4	9.3	13.8	8.2	7.8	9.5	17
20.5	20.8	25.7	15.7	21.9	2.4	2.7	2.4	2.4	2.0	18
13.7	13.0	14.5	15.8	9.8	3.2	3.2	3.0	3.5	2.4	19
238.6	241.9	251.7	248.1	201.9	8.2	9.9	8.2	7.8	6.9	20
11.3	10.0	11.6	14.3	7.3	5.6	6.7	5.4	5.4	5.4	21
153.5	159.8	164.4	159.1	123.1	7.8	9.3	7.8	7.5	6.1	22
29.9	34.9	29.3	30.5	24.1	10.0	11.5	10.2	9.5	8.3	23
15.6	12.6	21.0	16.3	10.6	7.2	9.0	6.8	7.3	5.7	24
41.3	43.7	44.0	41.3	35.5	6.0	6.7	6.3	6.0	4.4	25
22.6	24.8	24.2	23.9	16.0	8.6	10.4	8.4	8.2	6.7	26
38.2	36.8	38.5	39.3	37.5	10.4	13.2	10.0	9.6	9.2	27
143.5	125.5	155.0	167.2	107.3	6.0	7.5	5.7	5.7	5.4	28
19.2	14.0	20.6	26.3	10.5	4.6	5.2	4.5	4.5	4.2	29
14.0	11.5	17.4	15.7	9.2	1.7	1.7	1.5	1.9	1.3	30
35.7	29.7	37.6	43.6	26.1	7.8	9.9	7.7	7.1	7.0	31
19.8	21.7	20.0	19.8	17.7	5.2	5.7	5.2	5.2	4.2	32
183.6	175.3	189.3	208.3	142.7	6.3	7.4	6.5	5.9	5.6	33
13.9	12.5	13.9	16.6	10.8	7.4	9.5	7.4	6.4	7.3	34
11.3	8.3	10.7	17.3	5.1	4.7	5.5	4.4	4.7	3.6	35
11.5	9.4	11.4	11.9	13.3	5.1	6.1	5.0	5.0	4.7	36
18.8	23.6	18.3	18.6	14.3	3.8	3.9	3.8	4.1	2.6	37
23.0	18.0	23.6	30.4	15.0	4.9	5.4	5.5	4.5	4.5	38
8.0	9.4	7.0	9.9	4.7	7.9	9.4	7.1	7.3	8.2	39
20.8	20.2	22.2	22.4	17.0	7.6	8.6	7.5	7.9	6.1	40
132.9	125.3	126.8	158.9	104.1	5.4	5.6	5.6	5.3	4.9	41
14.0	11.0	13.9	16.7	12.6	4.2	4.7	4.4	4.1	3.8	42
11.5	13.6	11.6	11.4	9.3	7.3	7.9	7.4	7.1	6.7	43
10.8	14.0	8.9	12.5	7.1	3.5	2.9	3.9	3.9	3.1	44
41.3	44.1	38.8	44.9	35.4	2.6	2.4	2.7	2.8	2.5	45
17.8	25.3	14.8	17.7	14.0	2.3	1.9	2.6	2.4	2.3	46
24.2	26.8	24.7	26.3	17.3	8.0	9.3	7.9	7.8	6.4	47
101.3	80.5	114.3	102.3	105.4	7.0	8.3	7.2	6.7	5.9	48
22.9	20.4	28.3	19.7	24.1	8.1	8.8	8.6	7.6	7.2	49
21.7	14.2	23.1	24.2	23.6	7.6	9.5	7.7	7.7	5.8	50
13.5	10.5	15.7	13.9	13.4	6.0	5.8	6.3	5.4	6.8	51
7.1	4.4	7.3	8.8	7.0	12.2	17.6	16.5	9.3	8.9	52
22.2	22.0	22.2	24.3	18.8	4.1	5.4	4.3	3.8	3.0	53
148.1	129.4	152.6	156.1	148.5	6.8	8.2	7.1	6.5	5.8	54
47.5	43.6	50.6	45.3	51.6	9.3	12.2	9.0	9.1	7.5	55
10.4	9.8	11.8	9.2	11.3	15.8	21.6	14.4	16.0	11.7	56
11.5	10.2	11.5	15.6	5.7	6.4	7.4	6.7	6.3	4.8	57
11.5	12.9	11.6	10.6	11.5	5.3	5.9	4.1	5.9	5.0	58
13.5	11.3	11.1	17.5	11.9	4.5	5.3	4.4	4.6	3.7	59
183.8	155.6	182.3	197.9	191.4	3.4	3.9	3.7	3.3	2.7	60
4.8	5.9	2.6	6.9	2.9	1.8	2.0	2.0	1.8	1.4	61
164.4	134.6	165.0	176.5	174.5	3.4	3.9	3.7	3.4	2.7	62



TABLE 12. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BED SIZE OF HOSPITAL: UNITED STATES, 1984

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM-CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS													
							ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE								
ALL CONDITIONS.....	37,162	5,972	6,624	6,361	10,139	8,066														
INFECTIOUS AND PARASITIC DISEASES.....001-139	658	115	132	113	167	130														
NEOPLASMS.....140-239	2,576	210	347	439	824	756														
MALIGNANT NEOPLASMS.....140-208,230-234	2,059	162	266	344	670	616														
MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	340	25	44	64	108	99														
MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	234	17	28	43	74	72														
BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	517	48	81	95	154	140														
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,139	219	191	195	302	233														
DIABETES MELLITUS.....250	593	111	89	104	165	123														
DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	354	58	57	60	95	84														
ANEMIAS.....280-285	244	39	38	43	65	58														
MENTAL DISORDERS.....290-319	1,690	317	315	208	504	346														
PSYCHOSES.....290-299	625	86	85	69	223	162														
NEUROTIC AND PERSONALITY DISORDERS.....300-301	228	49	45	28	59	47														
ALCOHOL DEPENDENCE SYNDROME.....303	392	112	84	52	92	51														
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,669	184	290	290	465	440														
DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	441	56	73	72	118	123														
CATARACT.....366	481	43	88	98	148	104														
DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	321	48	68	61	84	60														
DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,593	962	913	1,021	1,512	1,185														
ESSENTIAL HYPERTENSION.....401	266	51	51	52	61	51														
HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,599	645	570	647	955	781														
ACUTE MYOCARDIAL INFARCTION.....410	700	129	117	127	193	134														
ATHEROSCLEROTIC HEART DISEASE.....414.0	365	37	40	64	100	124														
OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	969	167	154	160	275	213														
CONGESTIVE HEART FAILURE.....428.0	531	143	95	92	112	89														
CEREBROVASCULAR DISEASE.....430-438	896	155	162	165	250	164														
DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,365	772	674	619	775	525														
ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	449	130	105	77	83	55														
CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	327	41	74	72	88	51														
PNEUMONIA, ALL FORMS.....480-486	837	249	162	141	170	115														
ASTHMA.....493	465	81	89	92	111	92														
DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,305	845	807	774	1,097	782														
ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	327	75	63	58	74	57														
GASTRITIS AND DUODENITIS.....535	266	85	60	50	46	26														
APPENDICITIS.....540-543	270	51	48	45	82	44														
INGUINAL HERNIA.....550	440	63	84	81	127	84														
NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	540	130	110	100	122	79														
DIVERTICULA OF INTESTINE.....562	188	40	40	32	47	29														
CHOLELITHIASIS.....574	488	102	79	84	140	84														
DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,116	460	641	549	835	631														
CALCULUS OF KIDNEY AND URETER.....592	328	61	62	59	84	62														
HYPERPLASIA OF PROSTATE.....600	270	22	52	55	82	58														
DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	254	36	57	43	69	48														
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	969	128	163	142	278	257														
ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	418	47	66	61	128	116														
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	568	103	101	99	148	117														
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,375	325	431	410	672	537														
ARTHROPATHIES AND RELATED DISORDERS.....710-719	536	64	82	89	163	138														
INTERVERTEBRAL DISC DISORDERS.....722	509	45	87	101	153	123														
CONGENITAL ANOMALIES.....740-759	317	19	59	42	97	100														
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	167	14	28	31	54	41														
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	520	79	83	104	133	122														
INJURY AND POISONING.....800-999	3,472	592	634	646	908	693														
FRACTURES, ALL SITES.....800-829	1,114	180	199	215	301	219														
FRACTURE OF NECK OF FEMUR.....820	244	43	44	48	67	41														
SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	269	59	73	53	53	31														
INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	270	50	53	47	76	44														
LACERATIONS AND OPEN WOUNDS.....870-904	315	54	55	58	75	73														
SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,308	572	758	621	1,272	1,086														
PERSONS ADMITTED FOR STERILIZATION.....V25.2	113	32	28	15	19	19														
FEMALES WITH DELIVERIES.....V27	3,853	511	680	560	1,139	963														

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

TABLE 13. AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BED SIZE OF HOSPITAL: UNITED STATES, 1984

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE	ALL SIZES	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE	AVERAGE LENGTH OF STAY IN DAYS					
ALL CONDITIONS.....	6.6	5.3	6.0	6.6	6.9	7.5						
INFECTIOUS AND PARASITIC DISEASES.....001-139	6.6	5.0	5.4	6.6	7.0	9.0						
NEOPLASMS.....140-239	9.0	7.2	8.0	9.2	9.0	9.7						
MALIGNANT NEOPLASMS.....140-208,230-234	9.8	8.0	8.8	10.2	9.8	10.4						
MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	9.5	7.4	9.0	10.2	10.8	8.4						
MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	8.3	6.7	7.9	7.9	8.2	9.2						
BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	5.7	4.3	5.7	5.5	5.7	6.4						
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	7.6	6.5	7.1	7.9	7.9	8.5						
DIABETES MELLITUS.....250	8.2	6.7	8.7	7.9	8.3	9.3						
DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	6.2	5.5	5.6	6.1	6.6	6.5						
ANEMIAS.....280-285	6.6	6.3	6.2	6.3	7.1	6.6						
MENTAL DISORDERS.....290-319	11.9	9.6	12.6	9.3	12.1	14.8						
PSYCHOSES.....290-299	14.5	14.1	11.7	12.2	14.5	17.2						
NEUROTIC AND PERSONALITY DISORDERS.....300-301	11.2	8.3	13.1	7.7	10.0	15.9						
ALCOHOL DEPENDENCE SYNDROME.....303	10.6	8.4	13.8	8.9	11.0	11.0						
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	4.8	4.1	4.3	4.1	5.1	5.5						
DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	9.3	6.7	8.2	8.0	11.4	10.0						
CATARACT.....366	2.4	2.3	2.3	2.2	2.3	2.8						
DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	3.2	3.5	3.4	3.0	2.6	3.5						
DISEASES OF THE CIRCULATORY SYSTEM.....390-459	8.2	6.3	7.8	8.4	8.6	9.4						
ESSENTIAL HYPERTENSION.....401	5.6	5.0	6.2	5.5	5.2	6.4						
HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	7.8	6.1	7.5	8.1	8.1	8.6						
ACUTE MYOCARDIAL INFARCTION.....410	10.0	7.9	9.5	11.3	10.4	10.5						
ATHEROSCLEROTIC HEART DISEASE.....414.0	7.2	6.2	7.4	7.9	7.2	7.1						
OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	6.0	4.4	5.5	6.1	6.1	7.4						
CONGESTIVE HEART FAILURE.....428.0	8.6	6.9	8.2	8.7	9.8	10.0						
CEREBROVASCULAR DISEASE.....430-438	10.4	7.8	9.5	10.2	10.7	13.3						
DISEASES OF THE RESPIRATORY SYSTEM.....460-519	6.0	5.4	5.7	6.0	6.5	6.5						
ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	4.6	4.1	4.6	5.5	4.5	4.7						
CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	1.7	1.6	1.8	1.5	1.7	1.6						
PNEUMONIA, ALL FORMS.....480-486	7.8	6.5	7.4	8.5	8.7	8.6						
ASTHMA.....493	5.2	4.5	5.0	5.5	5.2	5.5						
DISEASES OF THE DIGESTIVE SYSTEM.....520-579	6.3	5.2	5.9	6.6	6.7	7.2						
ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	7.4	5.7	6.6	8.2	8.3	8.5						
GASTRITIS AND DUODENITIS.....535	4.7	4.3	4.6	5.1	4.7	4.9						
APPENDICITIS.....540-543	5.1	4.7	4.8	5.4	4.8	6.2						
INGUINAL HERNIA.....550	3.8	3.7	3.4	3.7	3.7	4.2						
NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	4.9	4.0	4.5	5.6	4.8	6.2						
DIVERTICULA OF INTESTINE.....562	7.9	6.1	7.2	9.0	8.5	9.1						
CHOLELITHIASIS.....574	7.6	6.8	7.8	8.0	7.8	7.9						
DISEASES OF THE GENITOURINARY SYSTEM.....580-629	5.4	4.5	4.9	5.8	5.6	5.9						
CALCULUS OF KIDNEY AND URETER.....592	4.2	3.2	3.9	4.6	4.2	5.2						
HYPERPLASIA OF PROSTATE.....600	7.3	6.6	6.8	7.6	7.5	7.4						
DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	3.5	3.1	3.3	3.7	3.8	3.6						
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	2.6	2.3	2.4	2.7	2.6	2.9						
ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	2.3	2.3	2.0	3.0	2.2	2.2						
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	8.0	5.9	7.0	8.0	8.7	9.6						
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	7.0	5.1	6.0	6.9	7.7	7.9						
ARTHROPATHIES AND RELATED DISORDERS.....710-719	8.1	6.4	7.1	7.5	8.6	9.2						
INTERVERTEBRAL DISC DISORDERS.....722	7.6	5.7	7.2	7.5	8.3	7.6						
CONGENITAL ANOMALIES.....740-759	6.0	3.5	5.9	5.7	6.4	6.3						
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	12.2	3.2	8.5	11.5	12.2	18.1						
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	4.1	3.1	3.6	5.0	4.0	4.4						
INJURY AND POISONING.....800-999	6.8	5.2	6.0	6.7	7.1	8.8						
FRACTURES, ALL SITES.....800-829	9.3	7.6	7.8	9.5	9.0	11.1						
FRACTURE OF NECK OF FEMUR.....820	15.8	14.3	14.7	15.2	16.7	17.6						
SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	6.4	5.5	6.3	6.5	7.1	7.4						
INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	5.3	3.3	4.7	5.9	5.2	7.7						
LACERATIONS AND OPEN WOUNDS.....870-904	4.5	3.1	3.9	4.6	4.1	6.4						
SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	3.4	2.7	3.1	3.2	3.5	3.9						
PERSONS ADMITTED FOR STERILIZATION.....V25.2	1.8	2.1	1.6	1.7	1.9	1.9						
FEMALES WITH DELIVERIES.....V27	3.4	2.8	3.2	3.3	3.5	3.9						

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

TABLE 14. NUMBER OF ALL-LISTED DIAGNOSES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY DIAGNOSTIC CATEGORY AND AGE, SEX, RACE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1984

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

DIAGNOSTIC CATEGORY AND ICD-9-CM CODE	ALL DIAGNOSES	AGE			
		UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF ALL-LISTED DIAGNOSIS IN THOUSANDS					
01 ALL CONDITIONS.....	104,261	6,104	32,286	23,643	42,228
02 INFECTIOUS AND PARASITIC DISEASES.....001-139	1,996	348	575	345	728
03 NEOPLASMS.....140-239	4,873	77	763	1,621	2,412
04 MALIGNANT NEOPLASMS.....140-208,230-234	3,816	42	345	1,282	2,147
05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	513	*	20	219	274
06 MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	304	*	36	127	141
07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	1,057	35	418	339	265
08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	6,625	298	1,095	1,934	3,297
09 DIABETES MELLITUS.....250	2,941	33	401	945	1,562
10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	1,960	137	497	383	942
11 ANEMIAS.....280-285	1,526	76	397	274	779
12 MENTAL DISORDERS.....290-319	4,639	105	2,122	1,143	1,268
13 PSYCHOSES.....290-299	1,216	11	467	287	451
14 NEUROTIC AND PERSONALITY DISORDERS.....300-301	914	19	460	247	188
15 ALCOHOL DEPENDENCE SYNDROME.....303	849	*	447	300	100
16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	4,313	596	803	918	1,996
17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	1,551	109	350	326	766
18 CATARACT.....366	572	*	15	89	464
19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	818	396	131	116	176
20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459	20,445	116	1,353	5,482	13,494
21 ESSENTIAL HYPERTENSION.....401	2,789	10	260	958	1,561
22 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	12,629	72	649	3,326	8,581
23 ACUTE MYOCARDIAL INFARCTION.....410	811	*	46	284	481
24 ATHEROSCLEROTIC HEART DISEASE.....414.0	1,870	*5	39	416	1,408
25 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	3,247	*5	160	1,173	1,910
26 CONGESTIVE HEART FAILURE.....428.0	1,661	12	32	274	1,343
27 CEREBROVASCULAR DISEASE.....430-438	2,013	12	58	393	1,549
28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519	7,719	1,337	1,360	1,702	3,320
29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	879	329	183	140	227
30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	429	300	123	*5	*
31 PNEUMONIA, ALL FORMS.....480-486	1,337	282	166	226	662
32 ASTHMA.....493	739	188	170	174	207
33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579	9,009	566	2,381	2,431	3,632
34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	605	*	118	180	303
35 GASTRITIS AND DUODENITIS.....535	689	26	222	211	229
36 APPENDICITIS.....540-543	316	74	187	34	21
37 INGUINAL HERNIA.....550	533	72	135	149	176
38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	817	215	248	140	213
39 DIVERTICULA OF INTESTINE.....562	554	*	22	135	396
40 CHOLELITHIASIS.....574	776	*	228	227	319
41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629	7,769	230	3,106	1,772	2,661
42 CALCULUS OF KIDNEY AND URETER.....592	423	*	177	157	88
43 HYPERPLASIA OF PROSTATE.....600	512	*	*5	130	376
44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	400	*	300	93	*
45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	6,362	25	6,327	10	...
46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	462	*5	455	*	...
47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	1,364	105	418	355	486
48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	5,855	117	1,562	1,694	2,482
49 ARTHROPATHIES AND RELATED DISORDERS.....710-719	1,997	36	310	488	1,163
50 INTERVERTEBRAL DISC DISORDERS.....722	673	*	315	245	109
51 CONGENITAL ANOMALIES.....740-759	792	321	211	132	128
52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	381	365	*	13	*
53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	5,537	524	1,347	1,433	2,233
54 INJURY AND POISONING.....800-999	6,556	649	3,077	1,218	1,611
55 FRACTURES, ALL SITES.....800-829	1,656	183	637	252	585
56 FRACTURE OF NECK OF FEMUR.....820	272	*	17	28	223
57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	454	*6	277	116	55
58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	359	79	190	39	50
59 LACERATIONS AND OPEN WOUNDS.....870-904	727	80	459	100	87
60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	8,065	186	5,287	1,056	1,536
61 PERSONS ADMITTED FOR STERILIZATION.....V25.2	498	-	491	*6	*
62 FEMALES WITH DELIVERIES.....V27	3,853	13	3,837	*	...

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

TABLE 14. NUMBER OF ALL-LISTED DIAGNOSES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY DIAGNOSTIC CATEGORY AND AGE, SEX, RACE, GEOGRAPHIC REGION, AND BED SIZE OF HOSPITAL: UNITED STATES, 1984—CON.

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

SEX		RACE			REGION				BED SIZE					
MALE	FEMALE	WHITE	ALL OTHER	NOT STATED	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST	6-99 BEDS	100-199 BEDS	200-299 BEDS	300-499 BEDS	500 BEDS OR MORE	
NUMBER OF ALL-LISTED DIAGNOSES IN THOUSANDS--CON.														
41,672	62,589	81,290	14,142	8,829	20,817	28,232	37,294	17,919	18,077	18,025	17,807	28,737	21,616	01
844	1,152	1,496	344	156	345	513	805	333	357	362	328	539	411	02
2,067	2,806	3,895	585	392	1,085	1,441	1,506	842	483	694	852	1,523	1,321	03
1,800	2,016	3,103	408	305	845	1,169	1,119	683	365	513	648	1,214	1,075	04
313	201	412	61	41	106	155	163	89	47	68	89	161	149	05
*	300	252	28	24	76	84	84	60	25	39	54	94	91	06
267	790	792	177	88	240	272	387	158	118	180	204	309	246	07
2,502	4,123	5,138	975	512	1,355	1,838	2,409	1,023	1,307	1,111	1,124	1,803	1,280	08
1,169	1,772	2,215	482	243	675	780	1,068	417	529	471	498	836	608	09
748	1,212	1,396	428	136	410	504	719	328	319	315	323	558	445	10
539	987	1,051	372	103	323	385	568	250	256	248	253	428	342	11
2,255	2,384	3,453	703	484	1,043	1,369	1,411	816	935	810	653	1,344	897	12
552	664	927	184	105	259	357	377	223	190	184	168	394	279	13
315	600	741	93	80	162	281	314	157	205	156	124	256	172	14
623	227	530	185	135	302	236	178	133	215	160	113	228	134	15
1,957	2,356	3,381	510	423	845	1,258	1,428	783	601	732	724	1,206	1,049	16
756	795	1,225	200	126	304	441	535	271	241	265	254	430	361	17
198	374	459	48	65	124	181	149	118	55	100	114	181	123	18
418	400	643	91	84	142	234	321	122	124	172	169	199	154	19
9,773	10,673	16,801	2,168	1,476	4,634	5,418	7,111	3,282	3,765	3,267	3,707	5,678	4,028	20
1,109	1,681	2,128	464	198	607	801	968	413	530	456	455	758	590	21
6,278	6,351	10,568	1,155	905	2,963	3,314	4,342	2,009	2,374	1,969	2,309	3,494	2,482	22
493	318	683	65	63	203	198	278	133	155	133	146	222	155	23
942	928	1,617	130	122	480	570	566	253	306	269	357	555	382	24
1,761	1,487	2,768	251	228	780	835	1,100	532	568	491	577	927	685	25
729	933	1,352	181	128	389	428	593	252	424	276	295	402	264	26
922	1,091	1,633	230	151	429	510	709	364	363	344	382	565	359	27
3,947	3,772	6,311	843	565	1,420	2,172	2,969	1,158	1,720	1,452	1,402	1,866	1,279	28
405	474	709	115	55	142	245	387	104	240	194	160	175	110	29
194	235	351	34	44	75	131	167	56	56	100	94	114	64	30
684	652	1,063	174	99	238	350	546	203	373	251	233	284	197	31
302	436	524	159	56	163	193	248	134	140	136	133	182	147	32
3,976	5,033	7,236	1,051	722	1,811	2,368	3,474	1,356	1,753	1,646	1,668	2,284	1,658	33
307	298	484	73	48	125	154	230	95	131	116	118	141	99	34
303	386	551	94	44	117	169	321	81	181	143	132	143	90	35
168	148	249	34	33	57	78	111	70	62	58	51	93	53	36
467	66	428	54	51	139	132	182	80	78	98	100	153	103	37
315	502	659	92	66	132	217	358	110	203	159	142	187	125	38
198	356	470	42	41	124	136	230	64	128	105	97	141	83	39
246	529	628	77	71	166	201	286	123	156	121	142	219	136	40
2,538	5,231	6,031	1,158	580	1,475	1,956	3,138	1,200	1,194	1,570	1,377	2,112	1,515	41
272	152	358	30	35	74	105	171	73	80	78	77	112	76	42
512	...	433	41	38	117	142	178	74	60	97	94	158	103	43
...	400	288	76	36	98	88	160	54	58	91	69	105	78	44
...	6,362	4,297	1,343	723	1,123	1,591	2,313	1,335	890	1,074	894	1,880	1,625	45
...	462	283	144	35	132	96	155	78	55	73	70	138	126	46
609	755	1,045	212	108	305	357	481	221	258	239	230	356	281	47
2,179	3,676	4,703	623	529	1,025	1,740	2,014	1,076	1,075	1,043	986	1,609	1,142	48
687	1,311	1,608	216	173	379	607	678	333	395	328	331	568	375	49
365	308	527	65	80	93	183	265	131	76	115	131	201	150	50
390	401	602	115	75	137	227	282	145	73	148	111	235	225	51
203	178	258	84	38	57	112	140	71	21	55	61	129	115	52
2,527	3,010	4,309	774	454	1,012	1,499	2,078	948	1,021	996	1,020	1,412	1,089	53
3,571	2,985	5,018	935	603	1,203	1,766	2,292	1,295	1,141	1,177	1,181	1,769	1,288	54
846	810	1,347	162	147	323	448	533	352	263	278	311	463	340	55
76	196	236	13	22	56	77	80	58	48	48	51	77	47	56
207	246	315	103	35	96	117	190	50	95	126	94	85	53	57
217	142	267	53	40	82	94	114	68	68	70	65	100	56	58
500	227	509	161	57	127	172	295	133	125	126	131	198	145	59
1,586	6,479	5,920	1,294	852	1,531	2,103	2,724	1,708	1,164	1,335	1,166	2,433	1,966	60
*6	491	331	117	50	88	94	232	84	95	111	77	113	102	61
...	3,853	2,645	724	485	668	973	1,407	806	511	680	560	1,139	963	62

TABLE 15. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND AGE: UNITED STATES, 1984

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS					
ALL PROCEDURES.....	36,155	2,024	14,757	8,762	10,612
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	895	133	317	249	196
SPINAL TAP.....03.31	271	91	72	50	58
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	200	*5	91	71	33
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	111	*5	45	43	18
OPERATIONS ON THE EYE.....08-16	1,347	59	116	258	914
EXTRACTION OF LENS.....13.1-13.6	506	*5	11	81	409
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	455	*	*5	73	375
OPERATIONS ON THE EAR.....18-20	326	168	83	46	29
MYRINGOTOMY.....20.0	138	121	11	*	*
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,331	351	618	231	131
RHINOPLASTY AND REPAIR OF NOSE.....21.8	235	*9	163	46	17
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	348	224	118	*6	*
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	989	61	174	336	418
BRONCHOSCOPY.....33.21-33.23	214	16	30	71	97
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	2,101	91	303	832	875
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	314	13	39	160	102
DIRECT HEART REVASCULARIZATION.....36.1	202	*	15	115	71
CARDIAC CATHETERIZATION.....37.21-37.23	570	27	85	288	171
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	208	*	*7	35	164
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	367	18	81	109	159
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,930	264	1,994	1,591	2,081
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	230	*8	45	75	102
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	257	*	37	76	139
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	590	*6	123	153	307
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	294	70	177	30	16
HEMORRHOIDECTOMY.....49.43-49.46	131	-	62	49	21
CHOLECYSTECTOMY.....51.2	485	*	183	155	145
REPAIR OF INGUINAL HERNIA.....53.0-53.1	469	65	130	136	138
OTHER HERNIA REPAIR.....53.2-53.9	208	14	54	74	65
LAPAROSCOPY.....54.21	237	*	218	*9	*6
DIVISION OF PERITONEAL ADHESIONS.....54.5	308	*	185	56	64
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,886	89	392	530	875
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	774	26	123	208	416
DILATION OF URETHRA.....58.6	164	14	34	45	71
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	822	103	113	195	410
PROSTATECTOMY.....60.2-60.6	361	---	*	83	275
CIRCUMCISION.....64.0	71	42	10	11	*8
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	3,532	14	2,616	641	261
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	498	*	298	155	44
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	488	-	484	*	-
HYSTERECTOMY.....68.3-68.7	664	*	416	188	60
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	67	*	66	*	---
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	251	*	249	*	---
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	470	*	317	115	38
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	172	-	59	67	46
OBSTETRICAL PROCEDURES.....72-75	3,872	11	3,858	*	---
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	368	*	367	*	---
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,493	*	1,488	*	---
CESAREAN SECTION.....74.0-74.2,74.4,74.99	813	*	810	*	---
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	483	*	481	*	---
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,698	249	1,594	980	874
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	436	32	190	70	143
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	241	71	82	35	52
ARTHROSCOPY.....80.2	246	*6	161	58	22
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	277	*	152	102	19
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	136	*	82	36	15
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	164	*	70	35	56
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	184	*	*8	34	141
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	386	38	174	117	57
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,785	112	743	501	428
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	113	*	45	42	26
MASTECTOMY.....85.4	121	*	16	50	54
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	7,163	294	1,710	2,216	2,942
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	1,091	46	247	297	502
CONTRAST MYELOGRAM.....87.21	429	*	215	153	59
PYELOGRAM.....87.73-87.75	421	14	126	136	145
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	972	14	134	431	392
DIAGNOSTIC ULTRASOUND.....88.7	836	32	260	211	333
RADIOISOTOPE SCAN.....92.0-92.1	764	13	142	230	379

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

TABLE 16. RATE OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND AGE: UNITED STATES, 1984

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL AGES	UNDER 15 YEARS	15-44 YEARS	45-64 YEARS	65 YEARS AND OVER
RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION					
ALL PROCEDURES.....	15,421.7	3,912.9	13,420.4	19,597.5	37,844.7
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	381.8	257.3	288.4	557.4	697.3
SPINAL TAP.....03-31	115.7	176.1	65.2	111.7	208.5
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	85.5	*9.3	82.8	159.7	118.1
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	47.2	*9.3	40.8	96.4	64.2
OPERATIONS ON THE EYE.....08-16	574.8	114.8	105.4	576.3	3,261.3
EXTRACTION OF LENS.....13.1-13.6	215.8	*9.6	10.4	180.2	1,458.5
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	194.0	*	*4.4	164.3	1,338.9
OPERATIONS ON THE EAR.....18-20	139.0	325.2	75.4	102.7	102.5
MYRINGOTOMY.....20.0	58.7	233.4	10.2	*	*
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	567.8	678.9	562.5	516.3	466.3
RHINOPLASTY AND REPAIR OF NOSE.....21.8	100.3	*18.0	148.6	101.8	60.1
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	148.5	433.8	107.0	*12.3	*
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	421.7	118.5	157.9	751.2	1,490.3
BRONCHOSCOPY.....33.21-33.23	91.3	31.8	27.2	157.8	346.5
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	896.3	176.8	275.6	1,861.3	3,119.0
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	134.0	24.3	35.8	358.9	363.0
DIRECT HEART REVASCULARIZATION.....36.1	86.3	*	13.9	257.7	254.5
CARDIAC CATHETERIZATION.....37.21-37.23	242.9	51.7	76.9	643.6	608.2
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	88.8	*	*6.8	77.8	586.0
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	156.4	34.1	73.4	243.7	568.6
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	2,529.6	511.0	1,813.3	3,558.4	7,422.2
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	98.3	*16.4	40.7	168.4	363.3
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	109.4	*	33.6	171.1	494.7
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	251.6	*11.7	112.1	343.3	1,095.1
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	125.5	135.4	161.4	68.1	58.0
HEMORRHOIDECTOMY.....49.43-49.46	56.0	-	56.0	108.7	75.0
CHOLECYSTECTOMY.....51.2	206.7	*	166.5	346.2	518.4
REPAIR OF INGUINAL HERNIA.....53.0-53.1	199.9	125.0	118.2	304.8	491.1
OTHER HERNIA REPAIR.....53.2-53.9	88.6	26.5	49.4	166.4	232.6
LAPAROSCOPY.....54.21	101.0	*	198.6	*20.4	*21.7
DIVISION OF PERITONEAL ADHESIONS.....54.5	131.3	*	168.7	124.6	226.6
OPERATIONS ON THE URINARY SYSTEM.....55-59	804.5	172.4	356.4	1,185.7	3,120.1
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	329.9	51.0	111.5	466.0	1,484.4
DILATION OF URETHRA.....58.6	70.1	27.4	30.7	101.5	253.5
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	350.5	199.7	102.7	436.5	1,463.4
PROSTATECTOMY.....60.2-60.6	154.0	...	*	185.7	980.5
CIRCUMCISION.....64.0	30.1	81.1	8.7	24.8	*28.1
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	1,506.7	27.2	2,378.9	1,434.4	931.5
OPHORECTOMY AND SALPINGO-OPHORECTOMY.....65.3-65.6	212.5	*	270.9	347.2	158.5
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	208.0	-	439.8	*	-
HYSTERECTOMY.....68.3-68.7	283.4	*	378.3	421.4	213.8
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	28.6	*	59.9	*	...
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	107.0	*	226.2	*	...
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	200.4	*	288.1	257.1	134.4
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	73.5	-	53.7	149.6	165.6
OBSTETRICAL PROCEDURES.....72-75	1,651.7	20.4	3,508.8	*	...
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	157.1	*	334.0	*	...
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	636.7	*	1,353.2	*	...
CESAREAN SECTION.....74.0-74.2,74.4,74.99	346.6	*	736.5	*	...
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	206.1	*	437.2	*	...
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	1,577.2	482.2	1,449.8	2,192.0	3,116.8
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	185.9	61.8	173.2	157.6	510.0
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	102.7	138.1	74.4	78.6	186.7
ARTHROSCOPY.....80.2	105.0	*11.9	146.2	128.6	77.8
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	118.1	*	138.4	228.7	67.4
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	57.9	*	75.0	81.1	54.2
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	69.9	*	63.7	78.9	198.0
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	78.3	*	*6.9	77.0	501.6
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	164.5	72.9	158.1	262.6	202.1
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	761.3	216.9	675.5	1,121.5	1,527.6
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	48.2	*	41.0	93.3	91.4
MASTECTOMY.....85.4	51.6	*	14.9	112.6	193.1
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	3,055.2	568.4	1,555.5	4,956.7	10,492.4
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	465.5	89.5	224.5	663.5	1,788.5
CONTRAST MYELOGRAM.....87.21	183.1	*	195.5	341.4	210.4
PYELOGRAM.....87.73-87.75	179.6	27.7	114.5	303.9	517.2
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	414.6	26.9	122.3	964.8	1,399.0
DIAGNOSTIC ULTRASOUND.....88.7	356.5	61.8	236.5	472.0	1,186.9
RADIOISOTOPE SCAN.....92.0-92.1	325.8	26.1	129.0	513.8	1,351.2

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

TABLE 17. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND SEX: UNITED STATES, 1984

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	BOTH SEXES	MALE	FEMALE
NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS			
ALL PROCEDURES.....	36,155	14,359	21,796
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	895	460	435
SPINAL TAP.....03.31	271	146	125
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	200	88	112
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	111	26	84
OPERATIONS ON THE EYE.....08-16	1,347	518	829
EXTRACTION OF LENS.....13.1-13.6	506	175	331
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	455	159	296
OPERATIONS ON THE EAR.....18-20	326	180	146
MYRINGOTOMY.....20.0	138	79	58
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,331	658	674
RHINOPLASTY AND REPAIR OF NOSE.....21.8	235	111	124
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	348	148	200
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	989	587	402
BRONCHOSCOPY.....33.21-33.23	214	127	87
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	2,101	1,248	853
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	314	218	96
DIRECT HEART REVASCULARIZATION.....36.1	202	156	46
CARDIAC CATHETERIZATION.....37.21-37.23	570	372	198
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	208	110	98
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	367	182	185
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,930	2,581	3,350
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	230	114	117
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	257	118	138
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	590	245	345
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	294	160	134
HEMORRHOIDECTOMY.....49.43-49.46	131	69	62
CHOLECYSTECTOMY.....51.2	485	145	339
REPAIR OF INGUINAL HERNIA.....53.0-53.1	469	411	57
OTHER HERNIA REPAIR.....53.2-53.9	208	73	135
LAPAROSCOPY.....54.21	237	*5	232
DIVISION OF PERITONEAL ADHESIONS.....54.5	308	40	268
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,886	1,149	737
ENDOSCOPIES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	774	536	238
DILATION OF URETHRA.....58.6	164	91	74
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	822	822	...
PROSTATECTOMY.....60.2-60.6	361	361	...
CIRCUMCISION.....64.0	71	71	...
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	3,532	...	3,532
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	498	...	498
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	488	...	488
HYSTERECTOMY.....68.3-68.7	664	...	664
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	67	...	67
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	251	...	251
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	470	...	470
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	172	...	172
OBSTETRICAL PROCEDURES.....72-75	3,872	...	3,872
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	368	...	368
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,493	...	1,493
CESAREAN SECTION.....74.0-74.2,74.4,74.99	813	...	813
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	483	...	483
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,698	1,793	1,905
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	436	234	202
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	241	131	109
ARTHROSCOPY.....80.2	246	145	101
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	277	163	114
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	136	91	45
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	164	85	79
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	184	53	130
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	386	196	190
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,785	681	1,103
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	113	*	109
MASTECTOMY.....85.4	121	*6	116
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	7,163	3,474	3,689
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	1,091	530	561
CONTRAST MYELOGRAM.....87.21	429	250	180
PYELOGRAM.....87.73-87.75	421	230	191
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	972	587	385
DIAGNOSTIC ULTRASOUND.....88.7	836	317	519
RADIOISOTOPE SCAN.....92.0-92.1	764	349	414

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

TABLE 18. RATE OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND SEX: UNITED STATES, 1984

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	BOTH SEXES	MALE	FEMALE
RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION			
ALL PROCEDURES.....	15,421.7	12,684.7	17,977.1
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	381.8	406.2	359.0
SPINAL TAP.....03.31	115.7	129.0	103.2
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	85.5	78.1	92.3
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	47.2	23.2	69.7
OPERATIONS ON THE EYE.....08-16	574.8	457.9	683.9
EXTRACTION OF LENS.....13.1-13.6	215.8	154.6	273.0
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	194.0	140.2	244.2
OPERATIONS ON THE EAR.....18-20	139.0	159.1	120.2
MYRINGOTOMY.....20.0	58.7	70.1	48.1
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	567.8	581.1	555.5
RHINOPLASTY AND REPAIR OF NOSE.....21.8	100.3	98.1	102.3
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	148.5	130.7	165.0
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	421.7	518.5	331.4
BRONCHOSCOPY.....33.21-33.23	91.3	112.5	71.6
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	896.3	1,102.7	703.6
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	134.0	192.7	79.3
DIRECT HEART REVASCULARIZATION.....36.1	86.3	137.7	35.2
CARDIAC CATHETERIZATION.....37.21-37.23	242.9	328.6	162.9
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	88.8	97.1	81.1
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	156.4	160.9	152.3
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	2,529.6	2,279.8	2,762.8
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	98.3	100.3	96.4
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	109.4	104.4	114.1
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	251.6	216.3	284.5
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	125.5	141.8	110.3
HEMORRHOIDECTOMY.....49.43-49.46	56.0	61.1	51.2
CHOLECYSTECTOMY.....51.2	206.7	128.5	279.7
REPAIR OF INGUINAL HERNIA.....53.0-53.1	199.9	363.3	47.4
OTHER HERNIA REPAIR.....53.2-53.9	88.6	64.2	111.3
LAPAROSCOPY.....54.21	101.0	44.3	191.3
DIVISION OF PERITONEAL ADHESIONS.....54.5	131.3	35.6	220.7
OPERATIONS ON THE URINARY SYSTEM.....55-59	804.5	1,015.0	608.0
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	329.9	473.1	196.3
DILATION OF URETHRA.....58.6	70.1	80.3	60.6
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	350.5	726.0	...
PROSTATECTOMY.....60.2-60.6	154.0	319.0	...
CIRCUMCISION.....64.0	30.1	62.3	...
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	1,506.7	...	2,913.4
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	212.5	...	410.9
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	208.0	...	402.1
HYSTERECTOMY.....68.3-68.7	283.4	...	548.1
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	28.6	...	55.3
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	107.0	...	206.9
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	200.4	...	387.5
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	73.5	...	142.2
OBSTETRICAL PROCEDURES.....72-75	1,651.7	...	3,193.7
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	157.1	...	303.7
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	636.7	...	1,231.1
CESAREAN SECTION.....74.0-74.2,74.4,74.9	346.6	...	670.3
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	206.1	...	398.5
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	1,577.2	1,584.0	1,570.9
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	185.9	206.6	166.6
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	102.7	116.1	90.2
ARTHROSCOPY.....80.2	105.0	128.1	83.4
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	118.1	143.8	94.2
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	57.9	80.5	36.8
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	69.9	75.0	65.0
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	78.3	47.1	107.5
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	164.5	173.2	156.4
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	761.3	601.9	910.1
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	48.2	*	89.5
MASTECTOMY.....85.4	51.6	*4.9	95.3
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	3,055.2	3,068.6	3,042.7
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	465.5	468.6	462.6
CONTRAST MYELOGRAM.....87.21	183.1	220.6	148.1
PYELOGRAM.....87.73-87.75	179.6	203.0	157.8
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	414.6	518.7	317.5
DIAGNOSTIC ULTRASOUND.....88.7	356.5	280.3	427.7
RADIOISOTOPE SCAN.....92.0-92.1	325.8	308.7	341.8

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



TABLE 19. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND RACE: UNITED STATES, 1984

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL RACES	WHITE	ALL OTHER	NOT STATED	NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS			
ALL PROCEDURES.....	36,155	28,160	4,789	3,206				
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	895	679	127	89				
SPINAL TAP.....03.31	271	192	61	18				
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	200	160	20	20				
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	111	85	17	*9				
OPERATIONS ON THE EYE.....08-16	1,347	1,077	107	163				
EXTRACTION OF LENS.....13.1-13.6	506	410	38	58				
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	455	375	27	53				
OPERATIONS ON THE EAR.....18-20	326	253	29	43				
MYRINGOTOMY.....20.0	138	114	11	13				
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,331	1,080	115	137				
RHINOPLASTY AND REPAIR OF NOSE.....21.8	235	198	10	27				
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	348	280	30	39				
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	989	788	133	68				
BRONCHOSCOPY.....33.21-33.23	214	169	34	11				
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	2,101	1,712	220	169				
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	314	273	18	23				
DIRECT HEART REVASCULARIZATION.....36.1	202	180	*9	13				
CARDIAC CATHETERIZATION.....37.21-37.23	570	477	47	45				
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	208	177	15	16				
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	367	288	47	32				
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,930	4,732	719	480				
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	230	184	30	17				
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	257	207	28	22				
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	590	493	63	34				
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	294	229	33	32				
HEMORRHOIDECTOMY.....49.43-49.46	131	104	14	13				
CHOLECYSTECTOMY.....51.2	485	390	42	52				
REPAIR OF INGUINAL HERNIA.....53.0-53.1	469	375	48	45				
OTHER HERNIA REPAIR.....53.2-53.9	208	158	28	21				
LAPAROSCOPY.....54.21	237	169	50	19				
DIVISION OF PERITONEAL ADHESIONS.....54.5	308	237	51	20				
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,886	1,534	219	133				
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	774	639	85	49				
DILATION OF URETHRA.....58.6	164	131	27	*7				
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	822	649	103	70				
PROSTATECTOMY.....60.2-60.6	361	299	30	32				
CIRCUMCISION.....64.0	71	43	25	*				
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	3,532	2,573	640	319				
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	498	378	74	46				
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	488	321	116	50				
HYSTERECTOMY.....68.3-68.7	664	511	90	63				
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	67	28	36	*				
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	251	172	59	20				
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	470	338	94	38				
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	172	145	10	17				
OBSTETRICAL PROCEDURES.....72-75	3,872	2,756	638	478				
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	368	265	50	53				
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,493	1,104	205	184				
CESAREAN SECTION.....74.0-74.2,74.4,74.99	813	563	155	95				
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	483	338	91	54				
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,698	2,862	436	399				
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	436	347	48	41				
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	241	189	29	23				
ARTHROSCOPY.....80.2	246	190	24	32				
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	277	219	22	36				
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	136	106	14	16				
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	164	133	10	20				
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	184	150	*8	25				
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	386	292	54	40				
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,785	1,381	253	151				
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	113	86	19	*8				
MASTECTOMY.....85.4	121	100	11	11				
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	7,163	5,710	986	467				
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	1,091	875	153	63				
CONTRAST MYELOGRAM.....87.21	429	330	40	59				
PYELOGRAM.....87.73-87.75	421	354	45	22				
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	972	802	87	83				
DIAGNOSTIC ULTRASOUND.....88.7	836	626	160	50				
RADIOISOTOPE SCAN.....92.0-92.1	764	615	115	33				

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, 1984

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	UNITED STATES	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST
	NUMBER OF ALL-LISTED PROCEDURES IN THOUSANDS				
ALL PROCEDURES.....	36,155	7,472	10,356	11,789	6,537
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	895	151	261	309	174
SPINAL TAP.....03.31	271	63	72	93	44
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	200	32	59	64	44
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	111	17	33	39	21
OPERATIONS ON THE EYE.....08-16	1,347	266	430	377	274
EXTRACTION OF LENS.....13.1-13.6	506	106	164	130	107
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	455	92	142	124	97
OPERATIONS ON THE EAR.....18-20	326	61	104	113	48
MYRINGOTOMY.....20.0	138	35	37	50	15
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,331	271	479	402	179
RHINOPLASTY AND REPAIR OF NOSE.....21.8	235	37	101	62	35
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	348	58	105	134	51
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	989	198	295	324	172
BRONCHOSCOPY.....33.21-33.23	214	39	57	87	31
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	2,101	299	722	661	419
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	314	28	131	102	53
DIRECT HEART REVASCULARIZATION.....36.1	202	18	87	66	31
CARDIAC CATHETERIZATION.....37.21-37.23	570	68	208	204	89
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	208	43	59	70	37
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	367	77	119	103	68
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,930	1,278	1,566	2,133	953
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	230	64	62	78	26
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	257	67	71	72	47
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	590	139	147	245	59
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	294	52	74	105	64
HEMORRHOIDECTOMY.....49.43-49.46	131	19	34	59	19
CHOLECYSTECTOMY.....51.2	485	101	130	169	84
REPAIR OF INGUINAL HERNIA.....53.0-53.1	469	124	115	160	70
OTHER HERNIA REPAIR.....53.2-53.9	208	46	57	71	34
LAPAROSCOPY.....54.21	237	53	55	87	41
DIVISION OF PERITONEAL ADHESIONS.....54.5	308	53	79	123	53
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,886	385	535	689	276
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	774	179	219	294	81
DILATION OF URETHRA.....58.6	164	28	48	80	*9
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	822	184	233	287	118
PROSTATECTOMY.....60.2-60.6	361	78	105	122	56
CIRCUMCISION.....64.0	71	19	14	33	*5
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	3,532	782	769	1,377	605
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	498	81	124	194	99
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	488	87	88	231	81
HYSTERECTOMY.....68.3-68.7	664	101	159	272	133
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	67	42	*	12	*9
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	251	63	62	90	36
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	470	167	92	160	51
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	172	31	38	67	37
OBSTETRICAL PROCEDURES.....72-75	3,872	616	1,072	1,379	805
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	368	43	81	194	51
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,493	265	417	498	313
CESAREAN SECTION.....74.0-74.2,74.4,74.99	813	143	184	320	166
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	483	77	129	159	118
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,698	646	1,039	1,156	857
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	436	81	110	141	105
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	241	46	70	75	49
ARTHROSCOPY.....80.2	246	56	60	67	63
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	277	38	75	106	59
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	136	25	32	44	35
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	164	25	59	40	40
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	184	32	60	47	44
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	386	76	100	138	72
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,785	394	487	624	279
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	113	29	24	55	*5
MASTECTOMY.....85.4	121	28	33	34	25
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	7,163	1,846	2,213	1,815	1,288
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	1,091	322	296	275	198
CONTRAST MYELOGRAM.....87.21	429	57	122	154	96
PYELOGRAM.....87.73-87.75	421	105	121	136	59
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	972	125	372	286	189
DIAGNOSTIC ULTRASCOUND.....88.7	836	266	266	166	138
RADIOISOTOPE SCAN.....92.0-92.1	764	270	206	172	116

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, 1984

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	UNITED STATES	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST
RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION					
ALL PROCEDURES.....	15,421.7	15,059.8	17,563.4	14,796.1	14,155.8
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	381.8	304.5	443.0	387.2	377.3
SPINAL TAP.....03.31	115.7	126.3	121.3	116.8	95.1
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	85.5	65.4	100.5	80.7	95.9
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	47.2	35.1	55.3	49.4	46.3
OPERATIONS ON THE EYE.....08-16	574.8	536.4	728.7	473.4	594.3
EXTRACTION OF LENS.....13.1-13.6	215.8	213.6	278.0	162.5	230.8
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	194.0	185.4	240.3	155.5	210.6
OPERATIONS ON THE EAR.....18-20	139.0	122.6	176.4	141.7	104.0
MYRINGOTOMY.....20.0	58.7	70.1	63.3	62.9	33.4
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	567.8	545.4	811.9	505.1	388.5
RHINOPLASTY AND REPAIR OF NOSE.....21.8	100.3	75.2	170.7	77.6	76.4
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	148.5	117.4	178.3	167.8	110.4
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	421.7	399.9	500.6	406.0	371.5
BRONCHOSCOPY.....33.21-33.23	91.3	79.5	96.1	109.5	66.7
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	896.3	602.8	1,224.2	829.9	907.7
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	134.0	57.1	221.3	128.2	115.4
DIRECT HEART REVASCULARIZATION.....36.1	86.3	35.7	147.3	83.3	67.6
CARDIAC CATHETERIZATION.....37.21-37.23	242.9	138.0	352.9	255.8	193.2
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	88.8	86.0	99.6	87.6	80.2
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	156.4	155.9	201.4	128.8	147.2
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	2,529.6	2,576.3	2,656.4	2,677.1	2,063.0
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	98.3	129.9	105.6	97.3	56.6
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	109.4	134.3	120.5	90.3	101.6
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	251.6	280.6	248.8	307.2	128.0
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	125.5	104.1	125.1	132.1	137.7
HEMORRHOIDECTOMY.....49.43-49.46	56.0	38.6	57.9	74.5	40.3
CHOLECYSTECTOMY.....51.2	206.7	202.6	221.2	212.6	182.5
REPAIR OF INGUINAL HERNIA.....53.0-53.1	199.9	249.6	195.6	200.6	150.8
OTHER HERNIA REPAIR.....53.2-53.9	88.6	91.8	96.1	89.1	74.5
LAPAROSCOPY.....54.21	101.0	106.7	94.1	109.6	89.1
DIVISION OF PERITONEAL ADHESIONS.....54.5	131.3	106.5	133.9	154.8	114.2
OPERATIONS ON THE URINARY SYSTEM.....55-59	804.5	776.7	907.9	864.9	598.2
ENDOSCOPIES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	329.9	361.6	371.6	369.1	175.4
DILATION OF URETHRA.....58.6	70.1	55.6	81.0	100.4	*19.5
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	350.5	370.9	394.7	360.2	255.6
PROSTATECTOMY.....60.2-60.6	154.0	157.2	177.9	153.7	120.7
CIRCUMCISION.....64.0	30.1	38.5	24.2	41.0	*9.8
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	1,506.7	1,575.9	1,303.3	1,728.2	1,310.0
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	212.5	164.0	209.9	243.0	215.2
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	208.0	176.0	148.8	290.3	175.9
HYSTERECTOMY.....68.3-68.7	283.4	204.1	269.5	341.0	287.1
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	28.6	84.9	*	15.0	*18.9
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	107.0	126.4	105.1	113.4	77.7
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	200.4	336.8	155.5	201.3	109.5
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	73.5	61.9	64.0	83.7	80.5
OBSTETRICAL PROCEDURES.....72-75	1,651.7	1,242.0	1,817.4	1,731.2	1,743.1
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	157.1	85.8	136.9	243.9	109.6
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	636.7	533.2	706.5	625.4	678.1
CESAREAN SECTION.....74.0-74.2,74.4,74.99	346.6	288.3	311.5	401.4	359.6
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	206.1	155.5	218.9	199.0	256.0
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	1,577.2	1,301.2	1,762.4	1,451.1	1,855.0
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	185.9	162.8	186.2	176.6	226.6
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	102.7	93.1	119.3	94.3	106.3
ARTHROSCOPY.....80.2	105.0	113.0	101.2	84.5	136.7
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	118.1	75.7	126.5	132.9	127.5
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	57.9	51.2	53.4	54.8	76.1
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	69.9	50.2	99.3	50.4	86.9
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	78.3	64.9	102.3	59.2	95.3
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	164.5	153.2	169.0	173.2	155.8
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	761.3	794.1	826.5	783.6	604.4
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	48.2	59.4	40.5	69.2	*9.9
MASTECTOMY.....85.4	51.6	57.2	56.4	43.1	54.3
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	3,055.2	3,720.3	3,753.3	2,278.3	2,789.9
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	465.5	649.4	502.0	344.7	429.7
CONTRAST MYELOGRAM.....87.21	183.1	115.5	206.5	193.2	208.6
PYELOGRAM.....87.73-87.75	179.6	212.0	204.8	170.6	128.3
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	414.6	252.2	630.3	358.7	410.3
DIAGNOSTIC ULTRASOUND.....88.7	356.5	536.5	451.3	208.1	298.2
RADIOISOTOPE SCAN.....92.0-92.1	325.8	544.6	349.4	216.0	250.2

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, 1984

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

PROCEDURE CATEGORY AND ICD-9-CM CODE	ALL 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.....	36,155	3,451	5,890	6,611	10,552	9,652
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	895	51	126	146	274	299
SPINAL TAP.....03-31	271	13	36	42	75	104
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	200	27	35	30	59	50
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	111	*	16	20	34	37
OPERATIONS ON THE EYE.....08-16	1,347	122	222	240	398	365
EXTRACTION OF LENS.....13.1-13.6	506	45	95	101	154	111
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	455	40	85	96	137	96
OPERATIONS ON THE EAR.....18-20	326	15	61	70	96	84
MYRINGOTOMY.....20.0	138	*8	33	33	40	24
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,331	150	245	275	362	299
RHINOPLASTY AND REPAIR OF NOSE.....21.8	235	34	35	48	66	52
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	348	47	84	76	89	52
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	989	54	147	190	309	289
BRONCHOSCOPY.....33.21-33.23	214	12	33	42	68	59
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	2,101	48	172	342	686	854
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	314	-	18	34	89	172
DIRECT HEART REVASCULARIZATION.....36.1	202	-	10	23	53	116
CARDIAC CATHETERIZATION.....37.21-37.23	570	*	28	83	185	273
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	208	14	31	44	63	56
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	367	23	52	66	118	109
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,930	723	1,041	1,187	1,656	1,323
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	230	17	39	49	67	58
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	257	24	38	48	79	67
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	590	77	109	143	143	118
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	294	55	54	48	88	49
HEMORRHOIDECTOMY.....49.43-49.46	131	23	24	34	31	19
CHOLECYSTECTOMY.....51.2	485	86	75	88	144	91
REPAIR OF INGUINAL HERNIA.....53.0-53.1	469	65	91	88	137	87
OTHER HERNIA REPAIR.....53.2-53.9	208	28	35	43	56	45
LAPAROSCOPY.....54.21	237	23	60	38	62	54
DIVISION OF PERITONEAL ADHESIONS.....54.5	308	32	65	59	88	64
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,886	164	361	353	586	422
ENDOSCOPIC THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	774	61	158	154	231	170
DILATION OF URETHRA.....58.6	164	17	39	25	58	25
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	822	71	167	153	253	178
PROSTATECTOMY.....60.2-60.6	361	24	77	71	115	74
CIRCUMCISION.....64.0	71	*7	17	15	18	15
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	3,532	448	692	590	977	825
DOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	498	53	102	85	138	120
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	488	94	111	72	110	100
HYSTERECTOMY.....68.3-68.7	664	70	129	121	188	156
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	67	*	*	*6	22	32
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	251	35	47	41	75	53
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	470	58	96	82	134	99
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	172	20	33	28	55	36
OBSTETRICAL PROCEDURES.....72-75	3,872	479	652	489	1,230	1,022
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	368	38	95	31	105	99
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,493	202	272	203	466	349
CESAREAN SECTION.....74.0-74.2,74.4,74.99	813	89	144	114	252	213
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	483	76	69	54	154	130
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,698	465	670	666	1,074	823
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	436	51	75	81	133	96
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	241	37	46	45	70	43
ARTHROSCOPY.....80.2	246	22	42	61	75	46
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	277	11	40	53	79	94
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	136	12	29	33	40	22
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	164	14	20	37	56	37
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	184	22	25	35	54	48
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	386	39	82	65	116	83
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,785	233	311	314	500	427
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	113	11	30	18	33	21
MASTECTOMY.....85.4	121	11	20	23	36	30
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	7,163	400	957	1,511	2,001	2,295
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	1,091	16	155	260	301	359
CONTRAST MYELOGRAM.....87.21	429	18	66	79	133	133
PYELOGRAM.....87.73-87.75	421	36	74	98	110	102
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	972	14	62	176	336	385
DIAGNOSTIC ULTRASOUND.....88.7	836	44	114	169	206	303
RADIOISOTOPE SCAN.....92.0-92.1	764	25	131	181	190	237

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

#### Sample size

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

The original universe for the survey consisted of 6,965 short-stay hospitals contained in the 1963 MFI. This universe is updated periodically (table I). Data on the universe of short-stay non-Federal hospitals is now obtained from the American Hospital Association. The distribution of the current hospitals in the American Hospital Association universe<sup>7</sup> and NHDS sample of in-scope hospitals for 1984 is given by bed size and geographic regions in table II.

NOTE: A list of references follows the text.

**Table I. Number of hospitals added to the National Hospital Discharge Survey (NHDS) universe and number of hospitals added to the NHDS sample by year of addition and year of Master Facility Inventory (MFI) used: United States, 1963-82**

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

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

Bed size of hospital	All regions	Northeast	North Central	South	West
Number of hospitals					
All sizes					
Universe.....	6,023	902	1,704	2,291	1,126
In-scope sample.....	493	115	140	164	74
0-49 beds					
Universe.....	1,372	78	415	535	344
In-scope sample.....	39	6	11	13	9
50-59 beds					
Universe.....	1,467	160	427	611	269
In-scope sample.....	62	10	14	30	8
100-199 beds					
Universe.....	1,398	203	373	571	251
In-scope sample.....	93	16	22	43	12
200-299 beds					
Universe.....	733	196	177	237	123
In-scope sample.....	72	18	21	20	13
300-499 beds					
Universe.....	715	176	202	224	113
In-scope sample.....	119	37	35	25	22
500-999 beds					
Universe.....	309	78	101	105	25
In-scope sample.....	95	23	34	29	9
1,000 beds or more					
Universe.....	29	11	9	8	1
In-scope sample.....	13	5	3	4	1

The sample for 1984 consisted of 553 hospitals. Of these, 86 refused to participate and 60 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, 407 hospitals participated in the survey during 1984 and provided approximately 192,000 abstracts of medical records.

## Sample design

All hospitals with 1,000 beds or more in the universe of short-stay hospitals were selected with certainty in the sample. All hospitals with fewer than 1,000 were stratified, the primary strata being the 24 size-by-region classes shown in table II. Within each primary stratum, the allocation of the hospitals was made through a controlled selection technique so that hospitals in the sample would be distributed properly with regard to ownership and geographic division. Sample hospitals were drawn with probabilities ranging from certainty for the largest hospitals to 1 in 40 for the smallest hospitals.

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

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

## Data collection and processing

### Data collection

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

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

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

### Medical coding and edit

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

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

The system currently used for coding the diagnoses and procedures on NHDS sample patient abstracts is the *International Classification of Diseases, 9th Revision, Clinical Modification*<sup>2</sup> (ICD-9-CM). Earlier data for 1970-78 were coded according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*<sup>3</sup> (ICDA), with some modifications. These modifications, which were necessary because of incomplete or ill-defined terminology in the abstracts, are presented elsewhere.<sup>8</sup> It has not been necessary, however, to modify the ICD-9-CM for use in the NHDS.

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

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

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NOTE: A list of references follows the text.

**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**  
(8-5-82)DEPARTMENT OF HEALTH AND HUMAN SERVICES  
U.S. PUBLIC HEALTH SERVICE  
NATIONAL CENTER FOR HEALTH STATISTICS**MEDICAL ABSTRACT — NATIONAL 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   
 Years  
 Months  
 Days

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

10. Race   
 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 one only)   
 Other additional sources (Mark accordingly)

Government sources	1. Workmen's Compensation .....	<input type="checkbox"/>	<input type="checkbox"/>
	2. Medicare .....	<input type="checkbox"/>	<input type="checkbox"/>
	3. Medicaid .....	<input type="checkbox"/>	<input type="checkbox"/>
	4. Title V .....	<input type="checkbox"/>	<input type="checkbox"/>
Private sources	5. Other government payments .....	<input type="checkbox"/>	<input type="checkbox"/>
	6. Blue Cross .....	<input type="checkbox"/>	<input type="checkbox"/>
	7. Other private or commercial insurance .....	<input type="checkbox"/>	<input type="checkbox"/>
Other sources	8. Self pay .....	<input type="checkbox"/>	<input type="checkbox"/>
	9. No charge .....	<input type="checkbox"/>	<input type="checkbox"/>
	10. Other (Specify) .....	<input type="checkbox"/>	<input type="checkbox"/>

No source of payment indicated

**14. Status/Disposition of patient (Mark (X) appropriate box(es))**

Status	Disposition
1 <input type="checkbox"/> Alive	a. <input type="checkbox"/> Routine discharge/ discharged home
	b. <input type="checkbox"/> Left against medical advice
	c. <input type="checkbox"/> Discharged, transferred to another short-term hospital
	d. <input type="checkbox"/> Discharged, transferred to long-term care institution
	e. <input type="checkbox"/> Disposition not stated
2 <input type="checkbox"/> Died	
3 <input type="checkbox"/> Status 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



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

Prior to 1979, data on radiotherapy and physical medicine and rehabilitation (ICDA codes R1–R4) and some obstetrical procedures were not collected by means of the NHDS. The obstetrical procedures not coded were artificial rupture of membranes, external, internal, and combined version; outlet and low forceps delivery with and without episiotomy; and episiotomy (ICDA codes 75.0–75.6 and 75.9). In addition, data for diagnostic endoscopy, radiography, and other nonsurgical procedures (ICDA codes A4–A9 and R9), although coded, were not published. Starting with 1979 data, however, the procedures coding has followed the guidelines of the Uniform Hospital Discharge Data Set (UHDDS).<sup>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 usefulness to organizations and agencies requiring hospital information.

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

Until 1983, the only Class 4 procedures coded in the NHDS were circumcision (ICD–9–CM code 64.0), episiotomy (code 73.6), and removal of intrauterine contraceptive device (code 97.71). The coding of additional Class 4 procedures, listed in appendix II, that are used in the assignment of diagnosis-related groupings (DRG's), was begun in mid-1983. DRG's, developed at the Yale School of Organization and Management, are being used by the Health Care Financing Administration, some States, and some third party payors to reimburse hospitals for inpatient care. A report has been published on the conversion of NHDS data to DRG's.<sup>12</sup>

## Presentation of estimates

### Grouping of diagnoses and procedures

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

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

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

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

### Patient characteristics not stated

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

During 1984, 8.6 percent of the records had no race identified in the hospital records.

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

### Rounded numbers

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

### Population estimates

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

Although the civilian noninstitutionalized population was used prior to 1981, it has been determined that the civilian population is more appropriate to use for the NHDS as persons in institutions usually are hospitalized in short-stay hospitals. This is true especially for elderly residents of nursing homes. A comparison of NHDS rates based on the civilian population with the civilian noninstitutionalized population is available in another publication.<sup>13</sup>

NOTE: A list of references follows the text.

**Table III. Civilian population by selected characteristics: United States, July 1, 1984**

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

Age, geographic region, and race	Both sexes	Male	Female
Population in thousands			
All ages . . . . .	234,443	113,199	121,244
Northeast . . . . .	49,617	23,646	25,971
North Central . . . . .	58,965	28,590	30,375
South . . . . .	79,678	38,310	41,368
West . . . . .	46,182	22,653	23,529
White . . . . .	199,641	96,775	102,867
All other . . . . .	34,801	16,424	18,377
0-14 years . . . . .	51,733	26,475	25,259
Under 1 year . . . . .	3,637	1,861	1,775
1-4 years . . . . .	14,179	7,254	6,927
5-14 years . . . . .	33,917	17,360	16,557
Northeast . . . . .	9,850	5,041	4,809
North Central . . . . .	13,188	6,757	6,431
South . . . . .	18,055	9,234	8,822
West . . . . .	10,640	5,444	5,196
White . . . . .	42,045	21,572	20,473
All other . . . . .	9,689	4,904	4,786
15-44 years . . . . .	109,958	54,096	55,862
15-24 years . . . . .	39,230	19,471	19,759
25-34 years . . . . .	40,328	19,803	20,523
35-44 years . . . . .	30,401	14,821	15,580
Northeast . . . . .	23,047	11,248	11,798
North Central . . . . .	27,511	13,625	13,885
South . . . . .	37,140	18,136	19,005
West . . . . .	22,262	11,087	11,175
White . . . . .	92,995	46,132	46,863
All other . . . . .	16,963	7,963	8,999
45-64 years . . . . .	44,712	21,329	23,382
45-54 years . . . . .	22,397	10,856	11,540
55-64 years . . . . .	22,315	10,473	11,842
Northeast . . . . .	10,205	4,818	5,388
North Central . . . . .	11,044	5,314	5,730
South . . . . .	15,069	7,118	7,951
West . . . . .	8,392	4,081	4,313
White . . . . .	39,280	18,880	20,403
All other . . . . .	5,430	2,450	2,979
65 years and over . . . . .	28,040	11,299	16,741
65-74 years . . . . .	16,746	7,318	9,429
75 years and over . . . . .	11,294	3,981	7,313
Northeast . . . . .	6,515	2,539	3,976
North Central . . . . .	7,223	2,895	4,327
South . . . . .	9,414	3,823	5,591
West . . . . .	4,888	2,041	2,846
White . . . . .	25,321	10,193	15,129
All other . . . . .	2,719	1,107	1,612

## Reliability of estimates

### Estimation

Statistics produced by the NHDS are derived by a complex estimating procedure. The basic unit of estimation is the sample inpatient discharge abstract. The estimating procedure used to

produce essentially unbiased national estimates in the NHDS has three principal components: inflation by reciprocals of the probabilities of sample selection, adjustment for nonresponse, and ratio adjustment to fixed totals. These components of estimation are described in appendix I of two earlier publications.<sup>14,15</sup>

### Measurement errors

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

The Institute of Medicine (IOM) has conducted three studies on the reliability of hospital abstract data collection; the most recent study was on the NHDS. The IOM NHDS study was performed by using data coded according to the ICDA; however, some of the findings are relevant to the 1981 NHDS data even though these data were coded according to the ICD-9-CM. Of special interest to this report is the finding that, in a number of cases, the first-listed diagnosis in the NHDS was not the principal diagnosis as determined by IOM after a study of the entire medical record. For example, when diagnoses at the ICDA class level were examined, the principal diagnosis from IOM matched the first-listed diagnosis from the NHDS in approximately 86 percent of the cases. Detailed accounts of this and other IOM findings have been published.<sup>16-18</sup>

### Sampling errors

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

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

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

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

NOTE: A list of references follows the text.

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

The relative standard errors applicable to patients discharged or first-listed diagnoses, all-listed diagnoses, days of care, and procedures are provided in figures II-IV. The curves for relative standard errors of the estimates in each figure relate to the variables by which estimates are presented in this report. In these figures, curves are shown for variables the relative standard errors of which are different from those in the curve for "All other variables," which is relevant to most of the estimates. For example, one curve is applicable only to estimates of discharges from voluntary nonprofit hospitals, a second curve is concerned with discharges from hospitals by bed size, and a third curve pertains to estimates of days of care in proprietary hospitals.

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

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

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

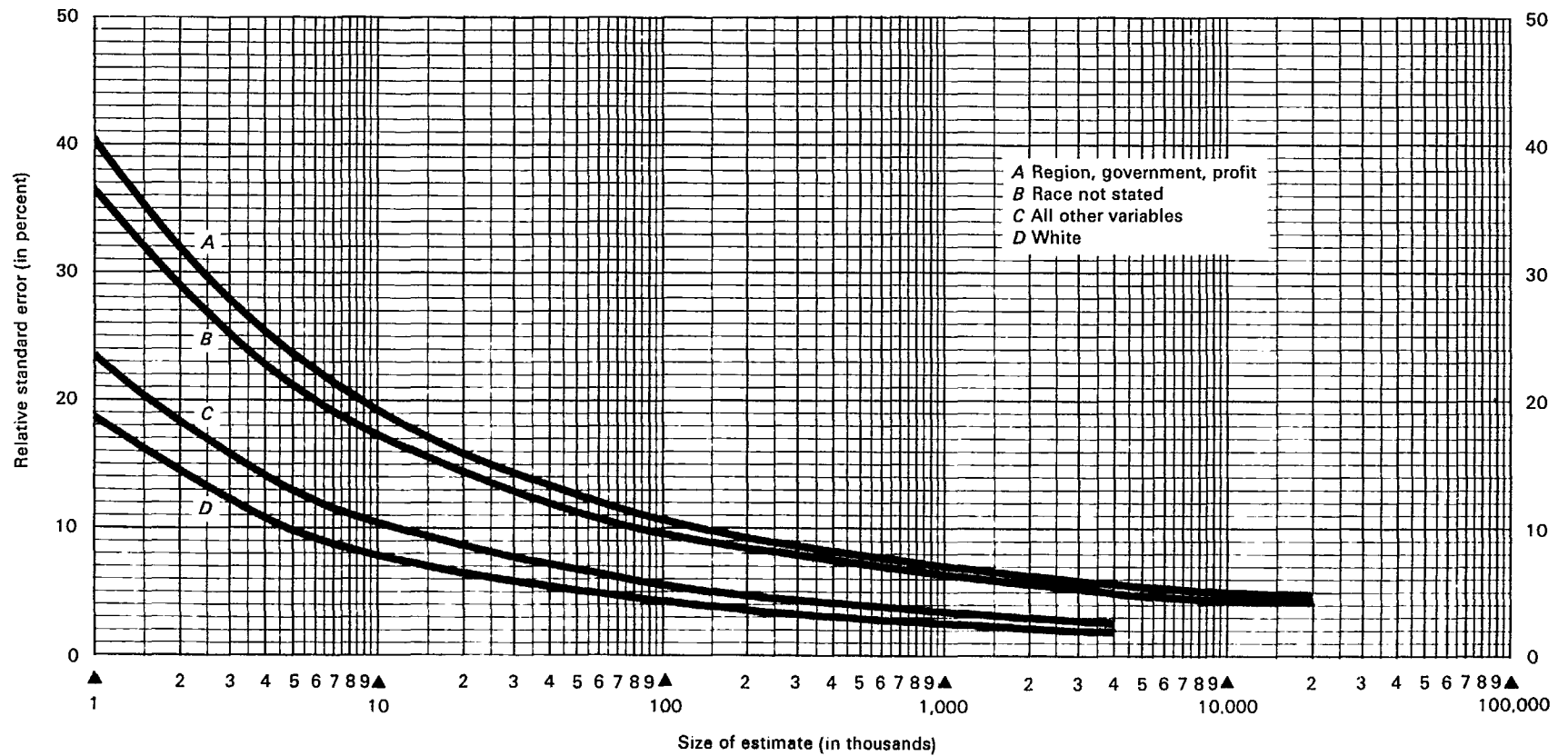
sample records on which the estimate is based (referred to as the sample size). Estimates are not presented unless a reasonable assumption regarding the probability distribution of the sampling error is possible. The Central Limit Theorem is used to determine the distribution of the sampling errors.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

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

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

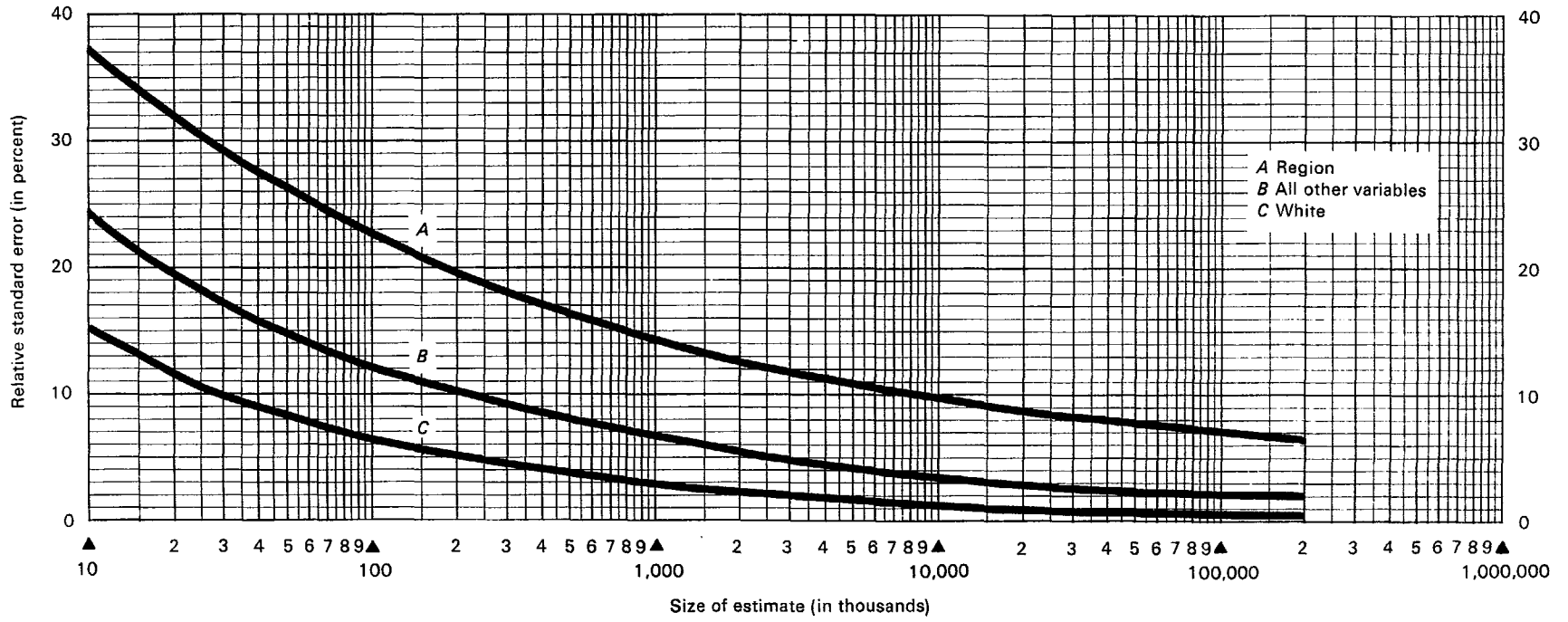
### Tests of significance

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



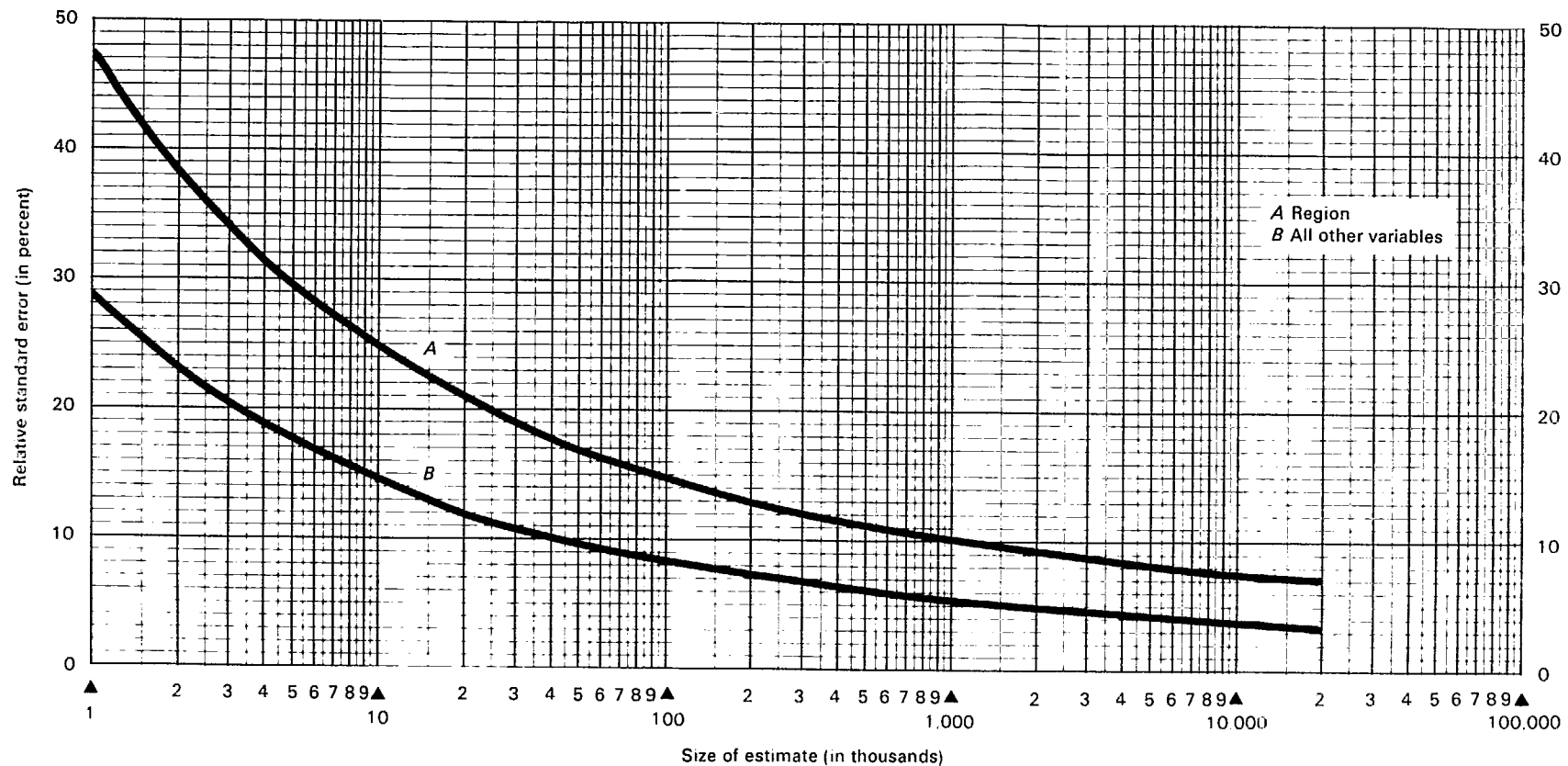
EXAMPLE: As shown in table 4, an estimated 2,075,000 patients 15-44 years of age were discharged from short-stay non-Federal hospitals with 100-499 beds in the Northeast Region. The relative standard error of this estimate as read from curve A is approximately 6.4 percent. Thus, the standard error is approximately 132,800 (6.4 percent of 2,075,000).

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



EXAMPLE: As shown in table 2, an estimated 8,014,000 days of care were provided during 1984 to male patients under 15 years of age discharged from short-stay hospitals. The relative standard error of this estimate as read from curve *B* is approximately 4.0 percent. Thus, the standard error is approximately 320,560 (4.0 percent of 8,014,000).

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



EXAMPLE: As shown in table 18, an estimated 314,000 open heart surgeries were performed during 1984 for all patients discharged from short-stay hospitals. The relative standard error of this estimate as read from curve B is approximately 6.9 percent. Thus, the standard error is approximately 21,666 (6.9 percent of 314,000).

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

# Appendix II

## Definitions of terms

### Hospitals and hospital characteristics

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

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

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

- *Voluntary nonprofit*—Hospitals operated by a church or another nonprofit organization.
- *Government*—Hospitals operated by State or local governments.
- *Proprietary*—Hospitals operated by individuals, partnerships, or corporations for profit.

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

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

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

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

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

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

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

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

### Diagnoses

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

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

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

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

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

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

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

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

## Surgical and nonsurgical procedures

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

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

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

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

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

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

03.31, 03.91-03.92, 04.80-04.89, 21.01, 24.7, 31.41-31.42, 34.91-34.92, 37.92-37.93, 42.22-42.23, 44.12-44.13, 45.12-45.13, 45.22-45.24, 48.22, 50.92, 54.91, 54.97-54.98, 57.31, 58.22, 59.95, 62.91, 66.8, 69.6-69.7, 69.93, 70.0, 73.01-73.1, 73.3, 73.51-73.59, 76.96, 81.91-81.92, 82.92-82.96, 83.94-83.98, 85.91-85.92, 86.01, 87.03-87.08, 87.13-87.15, 87.31-87.35, 87.38, 87.41-87.42, 87.51-87.52, 87.54-87.66, 87.71-87.73, 87.75, 87.77-87.78, 87.81-87.84, 87.91, 87.93-87.94, 88.01-88.03, 88.12-88.15, 88.38, 88.71-88.89,

89.14, 89.21-89.25, 89.32, 89.41-89.44, 89.54, 89.61-89.65, 89.8, 92.01-92.29, 93.45-93.54, 93.56-93.59, 93.92-93.93, 93.95, 93.97, 94.24, 94.26-94.27, 95.04, 95.12-95.13, 95.16-95.26, 96.01-96.08, 96.21-96.25, 96.31-96.33, 97.11-97.13, 98.02-98.04, 98.14-98.16, 98.19, 99.01, 99.60-99.69, 99.81.

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

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

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

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

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

08.19, 16.21, 18.01, 18.11, 18.19, 21.21, 21.29, 22.19, 24.19, 25.09, 25.91, 26.19, 27.29, 27.91, 29.19, 31.48-31.49, 37.29, 41.38-41.39, 42.29, 44.19, 45.19, 45.28-45.29, 48.23, 48.29, 49.21, 49.29, 49.41, 58.29, 61.19, 64.19, 64.91, 64.94, 69.92, 70.21, 73.91-73.92, 75.35, 85.19, 86.19, 86.92, 87.09-87.12, 87.16-87.17, 87.22-87.29, 87.36-87.37, 87.39, 87.43-87.49, 87.69, 87.79, 87.85-87.89, 87.92, 87.95-87.99, 88.09, 88.16-88.31, 88.33, 88.35, 88.37, 88.39, 89.01-89.13, 89.15-89.16, 89.26-89.31, 89.33-89.39, 89.45-89.53, 89.55-89.59, 89.66, 89.7, 90.01-91.99, 93.01-93.25, 93.27-93.28, 93.31-93.39, 93.42-93.44, 93.61-93.91, 93.94, 93.96, 93.99-94.23, 94.25, 94.29-95.03, 95.05-95.11, 95.14-95.15, 95.31-95.49, 96.09-96.19, 96.26-96.28, 96.34-97.04, 97.14-97.69, 97.72-97.89, 99.02-99.24, 99.26-99.59, 99.71-99.79, 99.82-99.99.

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

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

0.11-0.15, 03.32, 04.11-04.12, 05.11, 06.11-06.13, 07.11-07.17, 08.11, 09.11-09.12, 10.21, 11.22, 12.22, 15.01, 16.23, 18.12, 20.32, 21.22, 22.11, 24.11-24.12, 25.01, 25.02, 26.11, 27.21-27.24, 28.11, 29.12, 31.43-31.44, 33.24-33.27, 34.23-34.27, 37.24-37.25, 38.21, 40.11, 41.31-41.33, 42.24, 44.14-44.15,

NOTE: A list of references follows the text.



45.14-45.15, 45.25-45.27, 48.24-48.26, 49.22-49.23, 50.11-50.12, 51.12-51.13, 52.11-52.12, 54.22-54.23, 55.23-55.24, 56.32-56.33, 57.33-57.34, 58.23-58.24, 59.21, 60.11-60.15, 61.11, 62.11-62.12, 63.01, 64.11, 65.11-65.12, 66.11, 67.11-67.12, 68.13-68.14, 70.23-70.24, 71.11, 76.11, 77.40-77.49, 80.30-80.39, 83.21, 85.11-85.12, 86.11.

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

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

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

**Demographic terms**

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

tionalized population is the civilian population not residing in institutions.

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

*Race*—Patients are classified into two groups: "white" and "all other." The all other classification includes all categories other than white. Mexican and Puerto Rican are included in the white category unless specifically identified as all other. In addition, 8.6 percent of the patients had no race stated on the face sheet of the record.

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

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

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