

# **Utilization of Short-Stay Hospitals**

## **United States, 1982**

### **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 in terms of frequency, rate, percent, and average length of stay.

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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 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

## Annual Summary

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 1982. 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, 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 214,000 medical records from 550 hospitals were included in the 1982 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 National Hospital Discharge Survey 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 10-14), 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 are coded for each medical record in the sample. Although diagnoses included in the ICD-9-CM section entitled "Supplementary classification of external causes of injury and poisoning" (codes E800-E999) are used by the National Hospital Discharge Survey, these diagnoses are excluded from this report. The conditions diagnosed and procedures performed are presented here by the major diagnostic 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 National Hospital Discharge Survey is important for interpreting the data and for making comparisons with statistical data on short-stay hospital utilization that are available from other sources. Definitions of the terms used in this report are presented in appendix II.

Information on short-stay hospital utilization 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 National Hospital Discharge Survey (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

**Table A. Selected measures of hospital utilization: United States, 1965, 1970, 1975, 1980, and 1982**

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

Measure of utilization	1965	1970	1975	1980	1982
Number of patients discharged in thousands . . . . .	28,792	29,127	34,043	37,832	38,593
Rate of patients discharged per 1,000 population . . . . .	150.3	144.3	159.2	167.7	167.9
Number of days of care in thousands . . . . .	225,011	226,445	262,389	274,508	272,627
Rate of days of care per 1,000 population . . . . .	1,174.3	1,121.6	1,227.3	1,217.0	1,186.0
Average length of stay in days . . . . .	7.8	7.8	7.7	7.3	7.1
Percent of patients with surgery and nonsurgical procedures . . . . .	<sup>1</sup> 38.2	<sup>1</sup> 39.7	<sup>1</sup> 41.7	52.2	53.9

<sup>1</sup>Figures for 1965 and 1975 should be compared with caution to those for 1980 and 1982 because data prior to 1979 excludes nonsurgical procedures and the following obstetrical procedures: episiotomy, artificial rupture of membranes, internal version, and outlet and low forceps delivery.

During 1982, an estimated 38.6 million inpatients, excluding newborn infants, were discharged from non-Federal short-stay hospitals. These patients used 272.6 million days of care during the year. Their average length of stay was 7.1 days. About one half of all patients discharged from short-stay hospitals expected private insurance to pay for all or part of their hospitalization. Patients hospitalized during 1982 accounted for 168 discharges and 1,186 days of care per 1,000 civilian population.

Prior to 1981, the rates were based on the civilian noninstitutionalized population. Starting in 1981, however, the rates were based on the civilian population. Because the civilian population is larger than the civilian noninstitutionalized population, rates based on the former will be slightly lower than those based on the latter. The change in the type of population used in computing rates was necessary because many institutionalized people use short-stay hospitals. This is especially true for persons in the older age groups because these patients are often admitted from nursing homes.

Table A shows the selected measures of hospital utilization for 1965, 1970, 1975, 1980, and 1982. The number of discharges was approximately 34 percent higher in 1982 than in 1965; however, the discharge rate was only 12 percent higher for the same period. Smaller increases were noted for days of care. Although the number of days of care was 21 percent higher, the rate differences were not statistically significant.

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

The percent of patients with surgery was higher in 1980 and 1982 than in 1965-75. This was due primarily to the inclusion of nonsurgical procedures and some obstetrical procedures that were not included before 1978.

## Utilization by patient characteristics

The 38.6 million patients discharged from short-stay hospitals during 1982 included an estimated 15.5 million males and 23.1 million females (table 1). The rates per 1,000 population were 139 for males and 194 for females, making the rate for females about 40 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 161, or only about 16 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 5 times higher for both sexes.

In 1982, male patients used an estimated 115.9 million days of care in short-stay hospitals, compared with 156.7 million days of care used by females (table 1). The rate of days of care per 1,000 population was 1,045 for males and 1,318 for females, or about 26 percent higher for females than for males. Differences between the rates of days of

care for each sex were smaller than for discharges mainly because the average length of stay for about 3.9 million women who were hospitalized for deliveries was only 3.6 days (table 7). This length of stay compares with an average length of stay of 7.5 days for males and 7.4 days for females who were not hospitalized for deliveries.

The annual number of days of care per 1,000 population increased about 12 times with advancing age from 326 for patients under 15 years of age to 4,026 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 (10.1 days). The average length of stay is longer for the aged because of the greater severity of illness in this group. This situation is indicated by larger proportions of older than younger patients with incapacitating chronic illness, and the highest proportion of any age group with multiple diagnoses, both of which result in long average lengths of stay and high annual rates of days of care.

In this report, the race of patients is shown as white and all other. In 1982, 29.9 million patients were identified on the face sheets of the medical records as white and 5.1 million as all other. However, race was not reported for an additional 3.6 million patients, or a number almost as large as the all other group. 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 1982 is slightly less than 10 percent of all discharges.

The number of days of care in 1982 totaled 213.5 million for white patients, 36.9 million for all other patients, and 22.2 million for race not stated (table 2). The average length of stay was 7.1 days for white patients, 7.2 for all other patients, and 6.2 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 19.4 million discharges from non-Federal short-stay hospitals in 1982, about half of all discharges. Of these 19.4 million discharges, 98.7 percent were under 65 years of age. The remaining 1.3 percent were 65 years of age and over.

Medicare accounted for 11.7 million discharges (30.2 percent). As expected, 10.2 million (87.6 percent) of these were for patients 65 years and over. Together these two expected sources of payment accounted for 31.1 million discharges (80.6 percent). Even though patients expecting to pay hospital costs through Medicare composed only 30.2 percent of all discharges, they composed 42.7 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 10.0 days, and patients who expected private insurance to pay their hospital stays averaged 5.7 days. The longest average length of stay was noted for Medicare patients 65 years of age and over in the Northeast Region (12.3 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.

During 1982 there were approximately 3.9 million discharges for women with deliveries (tables 7 and 8). Of these, 36 percent were discharged from hospitals in the South and 53 percent were discharged from hospitals with 300 beds or more. Variation in rates per 1,000 civilian population by region were insignificant, with the exception of the Northeast that had a rate of 46.2. Rates for all other regions were about 55 per 1,000 population.

The average length of stay was longest in the Northeast and North Central Regions with 4.2 and 3.9 days respectively, and shorter in the West at 2.8 days. The South had an average length of stay of 3.4 days.

### Utilization by hospital characteristics

Discharges from short-stay hospitals by geographic region in 1982 ranged from 6.4 million in the West Region to 13.4 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 1982 were 143 in the West, 159 in the Northeast, 174 in the South, and 186 in the North Central Regions (table 5). Among the geographic regions, the North Central Region had the highest discharge rate for patients 45 years of age and over. For those under 45 years of age, the differences in the discharge rates were not significantly different from those in the South. However, the number of discharges in the South Region was about the same or higher for each age and sex group as compared with the North Central Region, because the population in the South was about 30 percent larger than that in the North Central Region.

Both the number and the rate per 1,000 population of days of care were lowest in the West Region. The highest number of days of care was in the South Region for most of the age and sex categories, although the highest rates were primarily in the North Central and the Northeast Regions (tables 4 and 5). The number of days of care for the total population ranged from 37.8 million in the West to 89.3 million in the South Region; the rate per 1,000 population varied from 850 days in the West Region to 1,380 days in the North Central Region.

Average lengths of stay by geographic region were 5.9 days in the West, 6.6 days in the South, 7.4 days in the North Central, and 8.2 days in the Northeast (table 4).

The number of patients discharged from short-stay hospitals and days of care by sex and age of the patients and by geographic region and bed size of the hospitals are shown



in table 4. The percent distributions of these data are shown in table B.

Discharges from short-stay hospitals for patients of all ages were about 40 percent male and 60 percent female in every hospital bed-size group. Females with deliveries accounted for about 10 percent of the discharges regardless of hospital size. However, some variation was found in the distribution of patients by age. Specifically, as the bed size of the hospital increased, the percent of patients who were 65 years of age and over decreased from 32 percent for those in the smallest hospitals to 24 percent for those in the largest hospitals. An overall increase was found in the percent of patients aged 15-44 years from the smallest to the largest hospitals. The percent of patients under 15 and

45-64 years of age showed no significant differences with increasing bed size.

Days of care by sex, age, and bed size of hospital were generally distributed in a fashion similar to discharges (table B). However, a smaller percent of days of care than of discharges was recorded for patients aged 15-44 years. For patients 45 years and over a larger percent of days of care than of discharges was recorded. The differences for those aged 15-44 years were the result of short lengths of stay for females with deliveries. However, for those over 45 years of age the differences were the result of the older patients being hospitalized longer than those under 45 years of age.

The average length of stay for patients discharged from

**Table B. Number and percent distribution of patients and days of care and average length of stay for patients discharged from short-stay hospitals by sex and age of patient, according to bed size of hospital: United States, 1982**

[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 . . . . .	38,593	38,593	6,836	6,738	6,366	9,547	9,106
Sex		Percent distribution					
Both sexes . . . . .	38,593	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	15,470	40.1	40.0	39.3	40.6	40.6	39.9
Female including deliveries . . . . .	23,123	59.9	60.0	60.7	59.4	59.4	60.2
Female excluding deliveries . . . . .	19,179	49.7	51.5	50.6	49.9	49.1	48.2
Age							
All ages . . . . .	38,593	100.0	100.0	100.0	100.0	100.0	100.0
Under 15 years . . . . .	3,654	9.5	9.0	12.0	9.0	8.4	9.4
15-44 years . . . . .	15,554	40.3	38.4	40.0	38.1	40.3	43.5
45-64 years . . . . .	8,688	22.5	20.7	20.9	22.9	23.7	23.5
65 years and over . . . . .	10,697	27.7	31.8	27.2	30.0	27.6	23.6
Days of care in thousands							
All days of care . . . . .	272,627	272,627	38,927	44,041	45,013	71,954	72,692
Sex		Percent distribution					
Both sexes . . . . .	272,627	100.0	100.0	100.0	100.0	100.0	100.0
Male . . . . .	115,942	42.5	41.0	41.9	42.3	42.7	43.8
Female including deliveries . . . . .	156,685	57.5	59.0	58.1	57.7	57.3	56.2
Female excluding deliveries . . . . .	142,582	52.3	54.5	52.9	53.1	52.2	50.3
Age							
All ages . . . . .	272,627	100.0	100.0	100.0	100.0	100.0	100.0
Under 15 years . . . . .	16,761	6.1	5.1	7.4	5.6	5.0	7.4
15-44 years . . . . .	79,582	29.2	27.8	29.3	26.5	28.8	31.9
45-64 years . . . . .	68,283	25.0	22.0	23.2	24.8	26.4	26.6
65 years and over . . . . .	108,000	39.6	45.1	40.1	43.1	39.8	34.1
Average length of stay in days							
Total . . . . .	7.1	7.1	5.7	6.5	7.1	7.5	8.0
Sex							
Male . . . . .	7.5	7.5	5.8	7.0	7.4	7.9	8.8
Female including deliveries . . . . .	6.8	6.8	5.6	6.3	6.9	7.3	7.5
Female excluding deliveries . . . . .	7.4	7.4	6.0	6.8	7.5	8.0	8.3
Age							
Under 15 years . . . . .	4.6	4.6	3.2	4.0	4.4	4.6	6.3
15-44 years . . . . .	5.1	5.1	4.1	4.8	4.9	5.4	5.9
45-64 years . . . . .	7.9	7.9	6.0	7.3	7.7	8.4	9.0
65 years and over . . . . .	10.1	10.1	8.1	9.6	10.2	10.8	11.5

short-stay hospitals in 1982 increased steadily from 5.7 days in the smallest hospitals (6–99 beds) to 8.0 days in the largest hospitals (500 beds or more) (table B). The average length of stay was slightly longer for males than for females in all hospitals; however, when females who were hospitalized for deliveries are excluded, the average lengths of stay for both sexes were virtually the same. The average length of stay increased as the age of the patients increased regardless of the size of the hospital.

Some exceptions to these patterns in the average length of stay existed among regions as shown in table 4. For example, the average length of stay did not increase with increasing bed size for female patients 15–44 years of age in the Northeast Region.

Approximately 7 out of 10 patients 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 1982, voluntary nonprofit hospitals provided medical care to an estimated 27.2 million patients, or 70 percent of all patients hospitalized. Hospitals operated by State and local governments cared for 8.3 million patients, or 21 percent of all discharges, and proprietary hospitals operated for profit cared for 3.1 million patients, or 8 percent of all discharges (table 6).

The estimated 272.6 million days of care utilized by patients in short-stay hospitals during 1982 were distributed by ownership of hospitals in the following manner: voluntary nonprofit, 197.2 million days, or 72 percent; government, 53.1 million days, or 19 percent; and proprietary, 22.4 million days, or 8 percent. Average lengths of stay were 7.2 days in voluntary nonprofit hospitals, 6.4 days in government hospitals, and 7.1 days in proprietary hospitals.

## Utilization by diagnosis

*First-listed diagnosis*—Diseases of the circulatory system ranked first in 1982 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 5.5 million discharges. Other leading ICD–9–CM diagnostic chapters were diseases of the digestive system (4.6 million discharges); supplementary classifications, which include females with deliveries (4.6 million discharges); injury and poisoning (3.6 million discharges); diseases of the respiratory system (3.5 million discharges); diseases of the genitourinary system (3.4 million discharges). About two-thirds of the patients discharged from non-Federal short-stay hospitals were included in these six ICD–9–CM diagnostic chapters.

It should be pointed out that the estimates for first-listed acute myocardial infarction have increased substantially 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 1982, the first-listed acute myocardial infarction estimate increased to 87 percent because of reordering. The all-listed diagnoses for the 2 years were essentially the same. This change is discussed more fully in appendix I.

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

The number and rate of discharges, days of care, and average length of stay by selected first-listed diagnoses in 1982, including females with deliveries, are presented in table C. These categories accounted for 50 percent of all patients discharged during 1982 and include the most frequent first-listed diagnoses for each sex, age, race, region, and bed-size group. The most common first-listed diagnosis for most of these groups, as well as for all patients, was females with deliveries. Excluding this category, the two most frequent first-listed diagnoses were heart disease and malignant neoplasms for all groups except patients under 45 years of age and patients in the smallest hospitals (6–99 beds).

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

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

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

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

The number and rate of patients discharged from short-stay hospitals and average length of stay, by ICD–9–CM diagnostic chapters and selected categories, are presented by age for 1982 in table 9. Although the estimated rates of discharge from short-stay hospitals generally increased as the age of the patients increased, especially for patients 15 years of age and over, some decreases were observed. For example, decreases in rates between the two oldest age groups (45–64 years and 65 years and over) occurred for the categories of alcohol dependence syndrome, calculus of kidney and ureter, intervertebral disc disorders, and sprains and strains of back (including neck). Moreover, the rates generally decreased with increasing age for the categories of chronic disease of tonsils and adenoids and disorders of menstruation and other abnormal bleeding.

The average length of stay increased with increasing age, especially for patients 15 years of age and over, for most chapters and categories of diagnoses. Overall it tended to be higher for mental disorders (especially psychosis), cere-

**Table C. Number and rate of patients, and days of care and average length of stay for patients discharged from short-stay hospitals, by selected first-listed diagnostic categories: United States, 1982**

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

Diagnostic category and ICD-9-CM code	Discharged patients		Days of care		Average length of stay in days
	Number in thousands	Rate per 1,000 population	Number in thousands	Rate per 1,000 population	
All conditions <sup>1</sup> . . . . .	38,593	167.9	272,627	1,186.0	7.1
Females with deliveries . . . . . V27	3,945	17.2	14,103	61.4	3.6
Normal deliveries <sup>2</sup> . . . . .	1,802	7.8	5,138	22.4	2.9
Complicated deliveries <sup>2</sup> . . . . .	2,143	9.3	8,964	39.0	4.2
Heart disease . . . . . 391-392.0,393-398,402,404,410-416,420-429	3,477	15.1	31,062	135.1	8.9
Acute myocardial infarction . . . . . 410	681	3.0	7,643	33.2	11.2
Atherosclerotic heart disease . . . . . 414.0	500	2.2	4,400	19.1	8.8
Other ischemic heart disease . . . . . 411-413,414.1-414.9	822	3.6	5,842	25.4	7.1
Cardiac dysrhythmias . . . . . 427	440	1.9	3,235	14.1	7.4
Congestive heart failure . . . . . 428.0	439	1.9	4,429	19.3	10.1
Malignant neoplasms . . . . . 140-208	1,972	8.6	21,959	95.5	11.1
Fractures, all sites . . . . . 800-829	1,132	4.9	11,403	49.6	10.1
Cerebrovascular disease . . . . . 430-438	834	3.6	10,183	44.3	12.2
Pneumonia, all forms . . . . . 480-486	824	3.6	6,605	28.7	8.0
Diabetes mellitus . . . . . 250	661	2.9	6,264	27.3	9.5
Noninfectious enteritis and colitis . . . . . 555-558	625	2.7	3,228	14.0	5.2
Benign neoplasms, carcinoma-in-situ, and neoplasms of uncertain behavior . . . . . 210-239	622	2.7	3,797	16.5	6.1
Phychoses . . . . . 290-299	574	2.5	8,883	38.6	15.5
Arthropathies and related disorders . . . . . 710-719	568	2.5	4,813	20.9	8.5
Cataract . . . . . 366	555	2.4	1,620	7.0	2.9
Inguinal hernia . . . . . 550	512	2.2	2,307	10.0	4.5
Cholelithiasis . . . . . 574	496	2.2	4,431	19.3	8.9
All abortions, including ectopic and molar pregnancies . . . . . 630-639	484	2.1	987	4.3	2.0
Intervertebral disc disorders . . . . . 722	436	1.9	4,152	18.1	9.5
Chronic disease of tonsils and adenoids . . . . . 474	436	1.9	821	3.6	1.9
Asthma . . . . . 493	434	1.9	2,368	10.3	5.5
Diseases of the central nervous system . . . . . 320-336,340-349	429	1.9	4,706	20.5	11.0
Alcohol dependence syndrome . . . . . 303	417	1.8	4,654	20.2	11.2

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

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

brovascular 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 congestive heart failure 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 very 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, carcinoma in situ, and neoplasms of uncertain behavior, diabetes mellitus, cataract, noninfectious enteritis and colitis, cholelithiasis, ar-

thropathies and related disorders, and persons admitted for sterilization.

Seventy-seven percent of all the patients discharged were white, 13 percent were all other races (including black), and 9 percent did not state race in the medical record. However, the racial distribution of patients for some diagnostic categories was significantly different from that of all patients. For example, the percents tended to be higher for white patients than for all patients discharged with a first-listed diagnosis of diverticula of intestine and calculus of the kidney (87 percent) and lower for patients with a diagnosis of alcohol dependence and abortion (62 percent). For all other races it was higher for abortion (29 percent) and lower than expected for fracture of neck of femur (5 percent).

Information on patients discharged from short-stay hospitals by geographic region is shown in table 11. In 1982, the number of discharges per 1,000 population ranged from 143 in the West Region to 186 in the North Central Region. The diagnostic categories for which variations in the rates were the largest were malignant neoplasms, alcohol dependence syndrome, heart disease, and females with deliveries.

During 1982, 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

**Table D. Percent distribution of patients discharged from short-stay hospitals by bed size of hospital, according to diagnostic class: United States, 1982**

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

Diagnostic class and ICD-9-CM code	All sizes	6-99 beds	100-199 beds	200-299 beds	300-499 beds	500 beds or more	Percent distribution					
All conditions . . . . .	100.0	17.7	17.5	16.5	24.7	23.6						
1. Infectious and parasitic diseases . . . . . 001-139	100.0	18.7	21.0	14.5	23.2	22.4						
2. Neoplasms . . . . . 140-239	100.0	9.4	13.1	15.3	29.2	33.0						
3. Endocrine, nutritional and metabolic diseases and immunity disorders . . . . . 240-279	100.0	20.4	16.9	18.3	23.9	20.6						
4. Diseases of the blood and blood-forming organs . . . . . 280-289	100.0	19.6	16.6	15.5	24.5	23.4						
5. Mental disorders . . . . . 290-315	100.0	19.5	18.1	11.7	28.9	21.8						
6. Diseases of the nervous system and sense organs . . . . . 320-389	100.0	11.1	16.7	17.9	27.3	27.1						
7. Diseases of the circulatory system . . . . . 390-459	100.0	18.5	16.9	18.2	24.4	22.0						
8. Diseases of the respiratory system . . . . . 460-519	100.0	24.7	18.8	17.6	22.1	16.8						
9. Diseases of the digestive system . . . . . 520-579	100.0	21.5	18.2	17.0	23.6	19.7						
10. Diseases of the genitourinary system . . . . . 580-629	100.0	16.5	20.1	15.7	24.2	23.5						
11. Complications of pregnancy, childbirth, and the puerperium <sup>1</sup> . . . . . 630-676	100.0	13.8	19.8	13.8	23.6	29.0						
12. Diseases of the skin and subcutaneous tissue . . . . . 680-709	100.0	20.7	17.1	16.1	24.6	21.7						
13. Diseases of the musculoskeletal system and connective tissue . . . . . 710-739	100.0	17.2	16.3	16.8	25.6	24.1						
14. Congenital anomalies . . . . . 740-759	100.0	7.8	20.0	14.9	23.0	34.6						
15. Certain conditions originating in the perinatal period . . . . . 760-779	100.0	8.4	13.9	16.9	21.1	40.0						
16. Symptoms, signs, and ill-defined conditions . . . . . 780-799	100.0	19.1	15.4	17.0	25.8	22.8						
17. Injury and poisoning . . . . . 800-999	100.0	19.4	17.0	17.7	23.8	22.2						
Supplementary classifications . . . . . V01-V82	100.0	14.7	17.3	15.3	24.7	28.1						

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

heart disease ranked as the highest categories for first-listed diagnosis in hospitals of all sizes.

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

For the most part, the average length of stay for the diagnostic chapters and categories followed the same patterns as the overall average lengths of stay for each region and bed size of hospital. That is, short hospital stays were more common in the West; long stays occurred more frequently in the Northeast Region. Similarly, the average length of stay generally increased as the size of the hospital increased. An exception to this occurred for the diagnostic category alcohol dependence syndrome. For this diagnosis, the longest average lengths of stay were in hospitals with 100-199 beds (16.1 days) and 200-299 beds (13.3 days).

*All-listed diagnoses*—An estimated 97.7 million diagnoses were recorded for the 38.6 million inpatients of non-Federal short-stay hospitals in 1982 (table 14) for an average of 2.5 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 are now coded and tabulated on the NHDS data file; prior to that time, up to five diagnoses were coded. In addition, the ICD-9-CM, which is the classification scheme used for coding 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 2.3-2.6 diagnoses per patient. A larger variation occurred by age. The average number of diagnoses per discharge for the age groups under 15 years, 15-44 years, 45-64 years, and 65 years and over was 1.8, 2.1, 2.6, and 3.4, respectively.

Diseases of the circulatory system ranked first among the ICD-9-CM diagnostic chapters for all-listed diagnoses, with 18.3 million diagnoses. This was followed by diseases of the digestive system (9.0 million); supplementary classifications (8.1 million); diseases of the genitourinary system (7.7 million); diseases of the respiratory system (7.0 million); and injury and poisoning (6.4 million). These six ICD-9-CM chapters accounted for almost 60 percent of all-listed diagnoses in 1982.

### Utilization by procedures

One or more procedures were performed for an estimated 20.8 million of the 38.6 million inpatients discharged from short-stay hospitals during 1982. A total of 34.6 million procedures, or an average of 1.7 per patient who underwent at least one procedure, were recorded in 1982 (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, in terms of both number per patient and type of procedure, were coded. Specifically, starting in 1979 up to four procedures, instead of only three, were coded for each discharge. Furthermore, only figures for "surgical" operations were published in the past. However, since 1979 the total number includes many additional nonsurgical procedures. (See appendix I under the section entitled "Medical coding and edit" and appendix II under the section entitled "Terms relating to procedures" for more information on the differences between coding the ICDA and the ICD-9-CM).

The number and percent of patients with surgical and nonsurgical procedures in 1982 and the number and percent of patients with at least one surgical procedure are shown in table E. About 54 percent of the patients discharged had some procedure, including diagnostic and nonsurgical procedures. Some variations in the proportions, however, occurred by age and sex of the patient, geographic region, and bed size of the hospital. Patients 15-44 years of age had the highest proportion of all the age groups with procedures (63 percent). Women had more procedures than men (56 percent compared with 50 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 65 percent in hospitals with 500 beds or more.

Six out of 10 patients (57 percent) with procedures had only one operation or nonsurgical procedure during their hospitalization (table F). About 27 percent of the patients had two procedures, about 10 percent had three, and about 7 percent had four or more. By age, patients under 15 years of age had the lowest proportion of multiple procedures (33 percent) and those 45-64 and 65 years of age and over had the largest proportion (50 and 51 percent, respectively). About 39 percent of the patients discharged from the smallest hospitals had more than one procedure; about 44 percent of the patients discharged from hospitals of all other sizes had two or more procedures during their hospitalization.

The percent of patients with surgical procedures (that is all procedures except nonsurgical—see appendix II) by number of procedures is shown in table F. About two-thirds (65 percent) of the patients with surgical procedures had only one, 24 percent had two, and 10 percent had three or more.

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

Operations on the digestive system ranked first among

**Table E. Number of patients discharged from short-stay hospitals with and without procedures and percent with procedures, by age, sex, and selected characteristics: United States, 1982**

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

Selected characteristics	Patients with procedures					
	All discharged patients	Patients without procedures	All patients	Patients with surgical procedures <sup>1</sup>	All patients	Patients with surgical procedures <sup>1</sup>
	Number in thousands				Percent	
All patients	38,593	17,804	20,789	17,433	53.9	45.2
Age						
Under 15 years	3,654	2,122	1,533	1,284	42.0	35.1
15-44 years	15,554	5,776	9,777	8,776	62.9	56.4
45-64 years	8,688	4,013	4,675	3,685	53.8	42.4
65 years and over	10,697	5,893	4,804	3,687	44.9	34.5
Sex						
Male	15,470	7,731	7,739	6,175	50.0	39.9
Female	23,123	10,073	13,050	11,258	56.4	48.7
Race						
White	29,880	13,654	16,226	13,547	54.3	45.3
All other	5,142	2,492	2,651	2,192	51.5	42.6
Not stated	3,571	1,659	1,912	1,694	53.5	47.4
Geographic region						
Northeast	7,847	3,315	4,532	3,637	57.8	46.3
North Central	10,938	4,998	5,940	5,023	54.3	45.9
South	13,435	6,788	6,647	5,620	49.5	41.8
West	6,373	2,702	3,670	3,153	57.6	49.5
Bed size of hospital						
6-99 beds	6,836	4,397	2,438	2,129	35.7	31.1
100-199 beds	6,738	3,259	3,479	2,951	51.6	43.8
200-299 beds	6,366	2,895	3,471	2,901	54.5	45.6
300-499 beds	9,547	4,016	5,531	4,602	57.4	48.2
500 beds or more	9,106	3,237	5,870	4,849	64.5	53.3

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

**Table F. Percent distribution of patients discharged from short-stay hospitals by number of procedures, according to selected characteristics: United States, 1982**

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

Selected characteristic	All discharged patients with procedures	Percent distribution			
		1 procedure	2 procedures	3 procedures	4 procedures or more <sup>1</sup>
All patients . . . . .	100.0	56.5	27.1	9.7	6.7
<b>Age</b>					
Under 15 years . . . . .	100.0	67.4	23.9	5.2	3.5
15-44 years . . . . .	100.0	61.6	25.0	8.8	4.6
45-64 years . . . . .	100.0	50.4	29.0	11.8	8.8
65 years and over . . . . .	100.0	48.7	30.3	11.1	9.9
<b>Sex</b>					
Male . . . . .	100.0	53.9	27.9	10.1	8.1
Female . . . . .	100.0	58.1	26.5	9.6	5.9
<b>Race</b>					
White . . . . .	100.0	55.6	27.4	10.0	7.0
All other . . . . .	100.0	59.1	25.5	9.3	6.0
Not stated . . . . .	100.0	60.5	26.5	8.1	5.0
<b>Geographic region</b>					
Northeast . . . . .	100.0	57.8	25.8	9.2	7.2
North Central . . . . .	100.0	54.1	27.2	10.9	7.8
South . . . . .	100.0	56.5	27.9	9.7	5.9
West . . . . .	100.0	58.8	27.0	8.7	5.5
<b>Bed size of hospital</b>					
6-99 beds . . . . .	100.0	61.1	25.7	8.5	4.7
100-199 beds . . . . .	100.0	56.7	27.5	9.1	6.7
200-299 beds . . . . .	100.0	56.0	27.7	10.0	6.3
300-499 beds . . . . .	100.0	56.6	27.4	9.6	6.4
500 beds of more . . . . .	100.0	54.7	26.7	10.6	8.0
Patients with surgical procedures <sup>2</sup> . . . . .	100.0	65.3	24.3	7.3	3.1

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

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

the surgical and nonsurgical procedures (5.8 million) performed during 1982. Other leading ICD-9-CM groups were miscellaneous diagnostic and therapeutic procedures (5.5 million), operations on the female genital organs (4.0 million), obstetrical procedures (3.9 million), and operations on the musculoskeletal system (3.6 million). About two thirds of the procedures performed in 1982 were included in these five major groups.

The number and rate of all-listed procedures in 1982 by selected ICD-9-CM categories are shown in table G. The categories presented in this table include procedures that were performed frequently during the year. Many of the procedures included in this table are diagnostic and nonsurgical procedures that have been unpublished by the NHDS prior to 1979, such as endoscopy on the digestive system, cystoscopy and urethroscopy, arteriography and angiocardiology using contrast material, and radioisotope scan. Over one-half million of each of these procedures were performed during 1982.

Data for the more traditional leading surgical operations are shown in table G. Some of the most frequently performed surgeries, of which 500,000 or more were performed in 1982, included diagnostic dilation and curettage of uterus,

excision or destruction of lesion or tissue of skin or subcutaneous tissue, hysterectomy, bilateral destruction or occlusion of fallopian tubes, cesarean section, and repair of inguinal hernia.

The estimated 34.6 million procedures performed in 1982 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 34.6 million procedures performed during 1982, 44 percent were performed on patients 15-44 years of age, while only 6 percent were performed on patients under 15 years of age. The most common procedures performed on patients under 15 years was tonsillectomy with or without adenoidectomy, and for those 15-44 years of age it was episiotomy without forceps and vacuum extraction. The most common procedure for the 45-64 years age group was arteriography and angiocardiology using contrast material, and for those 65 years and over it was lens extraction.

The rate of procedures per 1,000 population increased with advancing age from a rate of 43 for patients under 15 years to 326 for patients 65 years of age and over

**Table G. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by selected procedure categories: United States, 1982**

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

Procedure category and ICD-9-CM code	Procedures	
	Number in thousands	Rate per 100,000 population
All procedures	34,632	15,066.4
Surgical procedures <sup>1</sup>	25,824	11,234.8
Nonsurgical procedures <sup>1</sup>	8,808	3,831.6
Procedures to assist delivery	72-73	2,459
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	1,594
Biopsy <sup>1</sup>	1,422	693.4
Endoscopy of the urinary system through natural orifice	55.21-55.22, 56.31, 57.32, 58.22	841
Diagnostic dilation and curettage of uterus	69.09	741
Arteriography and angiocardiology by using contrast material	88.4-88.5	740
Cesarean section	74.0-74.2, 74.4, 74.99	730
Excision or destruction of lesion or tissue of skin or subcutaneous tissue	86.2-86.4	703
Hysterectomy	68.3-68.7	650
Radioisotope scan	92.01-92.1	641
Bilateral destruction or occlusion of fallopian tubes	66.2-66.3	602
Computerized axial tomography (C.A.T. scan)	87.03, 87.41, 87.71, 88.01, 88.38	600
Extraction of lens	13.1-13.6	599
Diagnostic ultrasound	88.7	561
Repair of inguinal hernia	53.0-53.1	549
Oophorectomy and salpingo-oophorectomy	65.3-65.6	500
Cholecystectomy	51.2	493
Cardiac catheterization	37.21-37.23	471
Pyelogram	87.73-87.75	464
Repair of current obstetric laceration	75.5-75.6	449
Tonsillectomy with or without adenoidectomy	28.2-28.3	438
Arthroplasty of joints	81.3-81.8	437
Operations on spinal chord and spinal canal structures except biopsies	03-03.31, 03.39-03.9	436
Open reduction of fracture	76.79, 79.2-79.3, 79.5-79.6	434
Operations on muscles, tendons, fascia, and bursa	82-83.1, 83.3-83.9	420
Insertion of prosthetic lens	13.7	418
Prostatectomy	60.2-60.6	358
Contrast myelogram	87.21	341

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

(table H). Except for females 15-44 years of age, the rates for both sexes also increased as age increased. The rate for females 15-44 years of age was higher than that for females 45-64 years of age because of the large number of females 15-44 years of age operated on for obstetrical and gynecological conditions.

Of the 34.6 million procedures performed during 1982, about 13.3 million were for males and 21.3 million were for females. The corresponding rates per 1,000 population were 151 for both sexes, 120 for males, and 179 for females. Of the procedures shown in table 17, the most common for males were repair of inguinal hernia and prostatectomy. For females, the most frequently performed procedures were episiotomy without forceps and vacuum extraction, diagnostic dilation and curettage of uterus, hysterectomy, bilateral destruction or occlusion of fallopian tubes, and cesarean section.

The distribution by race is shown in table 19. Seventy-nine percent of all procedures were performed on white patients, 12 percent were performed on all other races (including black), and 8 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

**Table H. Number and rate of all-listed procedures for patients discharged from short-stay hospitals, by sex and age of patient: United States, 1982**

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

Age	Both sexes	Male	Female
Number of procedures in thousands			
All ages	34,632	13,331	21,302
Under 15 years	2,219	1,336	882
15-44 years	15,296	3,945	11,350
45-64 years	8,368	3,905	4,463
65 years and over	8,750	4,144	4,606
Rate per 1,000 population			
All ages	150.7	120.1	179.2
Under 15 years	43.2	50.9	35.2
15-44 years	142.6	74.7	208.5
45-64 years	188.3	185.0	191.3
65 years and over	326.2	384.5	287.0

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.

**Table J. Percent distribution of all-listed procedures for patients discharged from short-stay hospitals by bed size of hospital, according to procedure category: United States, 1982**

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

Procedure category and ICD-9-CM code	All sizes	6-99 beds	100-199 beds	200-299 beds	300-499 beds	500 beds or more	Percent distribution					
All procedures . . . . .	100.0	11.0	16.7	16.7	26.5	29.1						
Operations on the nervous system . . . . . 01-05	100.0	6.4	13.4	15.9	26.5	37.7						
Operations on the endocrine system . . . . . 06-07	100.0	8.3	7.3	18.3	30.3	35.8						
Operations on the eye . . . . . 08-16	100.0	8.3	19.8	17.5	28.7	25.6						
Operations on the ear . . . . . 18-20	100.0	4.8	16.9	22.9	30.4	25.0						
Operations on the nose, mouth, and pharynx . . . . . 21-29	100.0	13.0	17.2	19.4	27.5	23.0						
Operations on the respiratory system . . . . . 30-34	100.0	5.4	15.2	17.8	27.6	34.0						
Operations on the cardiovascular system . . . . . 35-39	100.0	2.6	9.8	17.0	28.6	41.9						
Operations on the hemic and lymphatic system . . . . . 40-41	100.0	7.7	13.8	15.2	27.3	35.9						
Operations on the digestive system . . . . . 42-54	100.0	13.6	17.4	17.9	25.0	26.1						
Operations on the urinary system . . . . . 55-59	100.0	11.5	17.9	18.3	27.4	25.0						
Operations on the male genital organs . . . . . 60-64	100.0	10.7	18.7	17.9	27.1	25.6						
Operations on the female genital organs . . . . . 65-71	100.0	13.5	20.5	15.3	24.3	25.4						
Obstetrical procedures . . . . . 72-75	100.0	13.1	15.6	14.4	26.6	30.2						
Operations on the musculoskeletal system . . . . . 76-84	100.0	14.1	16.9	17.2	26.3	25.6						
Operations on the integumentary system . . . . . 85-86	100.0	16.4	16.9	16.4	25.5	24.8						
Miscellaneous diagnostic and therapeutic procedures . . . . . 87-99	100.0	6.2	15.1	15.7	27.6	35.4						

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 174 in the North Central Region, 152 in the Northeast, 142 in the South, and 133 in the West. Rates were highest in all regions for operations on the digestive system, the female genital organs, the musculoskeletal system, obstetrical procedures, and miscellaneous diagnostic and therapeutic procedures.

The number of procedures in short-stay hospitals during 1982 for each ICD-9-CM category by bed size of hospital where the procedure was performed are shown in table 21. Operations on the digestive system were observed to rank highest of all-listed procedures in hospitals with less than 300 beds. The most common procedures for hospitals of

500 beds or more were miscellaneous diagnostic and therapeutic procedures and operations on the digestive system.

The percent distributions of the major groups of procedures by bed size of hospital are shown in table J. Hospitals with 300 beds or more treated an estimated 48 percent of the patients hospitalized during 1982, 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 (70 percent) and on the endocrine system (66 percent). Other chapters 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 hemic and lymphatic system (63 percent), and miscellaneous diagnostic and therapeutic procedures (63 percent).



# Deaths in short-stay hospitals

In 1982, 96.0 percent of patients, excluding new-born infants, who were discharged from short-stay hospitals were discharged alive, 2.7 percent were discharged dead, and for 1.3 percent a discharge status was not ascribed. Of the estimated 1,023,000 patients who died, 52.1 percent were male and 47.9 percent were female (table K). As expected, patients 65 years and over accounted for the majority of hospital deaths, 70.5 percent. Patients under 65 years of age accounted for 29.5 percent of the deaths. The 1,023,000 who were discharged dead from these hospitals represented about one-half of all persons who died during 1982.<sup>5</sup>

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

those patients whose discharge status was not stated were discharged alive. A fatality rate of 2.7 has been computed for patients in 1982. The rate for males was higher than that for females—3.4 for males as compared with 2.1 for females.

The 65 years and over age group had a hospital fatality rate of 6.7; however, patients under 65 years of age had a fatality rate of 1.1. The fatality rates for males and females did not vary significantly from each other in each of the age groupings.

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

**Table K. Number of deaths and fatality rate of patients discharged from short-stay hospitals, by sex and age: United States, 1982**

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

Age	Both sexes			Rate per 100 discharges		
	Both sexes	Male	Female	Both sexes	Male	Female
	Number in thousands			Rate per 100 discharges		
All ages	1,023	533	490	2.7	3.4	2.1
All ages excluding obstetric conditions	1,022	533	490	3.0	3.4	2.6
Under 65 years	302	170	131	1.1	1.6	0.8
Under 15 years	35	20	15	1.0	0.9	1.0
15-44 years	50	31	19	0.3	0.7	0.2
45-64 years	217	120	97	2.5	2.9	2.1
65 years and over	721	362	359	6.7	7.8	5.9

**Table L. Number of deaths and fatality rate of patients discharged from short-stay hospitals, by age and selected first-listed diagnosis: United States, 1982**

[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	Number in thousands			Rate per 100 discharges		
	All ages	Under 65 years	65 years and over	All ages	Under 65 years	65 years and over
All deaths	1,023	302	721	2.7	1.1	6.7
Malignant neoplasms . . . . . 140-208	241	97	143	12.2	9.9	14.4
Heart disease . . . . . 391-392.0,393-398,402,404,410-416,420-429	307	61	246	8.8	4.2	12.1
Acute myocardial infarction . . . . . 410	135	30	105	19.9	10.0	27.6
Chronic ischemic heart disease . . . . . 411-414	28	*2	26	2.1	*0.3	3.8
Cardiac dysrhythmias . . . . . 427	68	17	51	15.4	10.4	18.4
Congestive heart failure . . . . . 428.0	41	*4	37	9.3	4.5	10.5
Cerebrovascular disease . . . . . 430-438	86	16	70	10.4	7.5	11.4
Pneumonia, all forms . . . . . 480-486	48	*7	41	5.8	*1.3	13.7
Chronic liver disease and cirrhosis . . . . . 571	12	10	*2	12.7	13.6	*10.0
Nephritis, nephrotic syndrome, and nephrosis . . . . . 580-589	16	*4	12	11.6	*4.2	21.9
Injury and poisoning . . . . . 800-999	42	20	22	1.2	0.7	3.0

underlying cause of death as reported in *Vital Statistics in the United States*. Of the estimated 1,023,000 deaths in short-stay hospitals, 74 percent are accounted for by the diagnostic groupings shown in table L. Of these, heart disease and malignant neoplasms accounted for about one-half (548,000) of all deaths in short-stay hospitals.

For specific diagnoses, the highest fatality rates were for acute myocardial infarction with a rate of 19.9 per 100 discharges and cardiac dysrhythmias with a rate of 15.4 per hundred discharges. Other high fatality rates were for chronic liver disease and cirrhosis (12.7 per 100 discharges), malignant neoplasms (12.2 per 100 discharges), and nephritis, nephrotic syndrome and nephrosis (11.6 per 100 discharges).

The average length of stay for patients discharged from

short-stay hospitals, by discharge status and sex, is shown in table M. The average stay for all patients discharged was 7.1 days. Patients discharged alive had an average stay of 6.9 days, compared with an average stay of 13.0 days for patients who died in the hospital.

Patients under 65 years of age, discharged alive, stayed an average of 5.8 days; however, those who died had an average stay of 12.7 days. The hospital stay for patients 15-44 years of age who died was 2.4 times as long as for those who were discharged alive (12.2 and 5.1). The difference in length of stay was much smaller for patients 65 years and over—9.9 days for those discharged alive and 13.2 days for those who died.

**Table M. Average length of stay of patients discharged from short-stay hospitals, by discharge status, age, and sex: United States, 1982**

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

Age	Discharge status					
	Both sexes	Alive		Dead		
		Male	Female	Both sexes	Male	Female
	Average length of stay in days					
All ages . . . . .	6.9	7.3	6.6	13.0	12.4	13.7
All ages excluding obstetric conditions . . . . .	7.4	7.3	7.4	13.0	12.4	13.7
Under 65 years . . . . .	5.8	6.4	5.4	12.7	11.9	13.6
Under 15 years . . . . .	4.5	4.5	4.5	9.5	7.7	11.9
15-44 years . . . . .	5.1	6.3	4.6	12.2	11.1	14.0
45-64 years . . . . .	7.7	7.6	7.8	13.3	12.9	13.8
65 years and over . . . . .	9.9	9.5	10.1	13.2	12.6	13.7

## Newborn infant discharges

The number, percent distribution, and average length of stay of newborn infants discharged from short-stay hospitals, by sex, geographic region, and race are shown in table N. The estimated 3.9 million newborn infants were equally divided between the sexes.

About 36 percent (1.4 million) of newborn discharges were from the South Region and approximately 26 percent (1.0 million) were from the North Central Region. The percents of discharges for the West and Northeast Regions were approximately the same: 20 percent (0.8 million) for the West and 19 percent (0.7 million) for the Northeast. The average length of stay was 4.5 days in the Northeast and 2.9 days in the West. The average length of stay was 4.1 days in the North Central Region and 3.7 days in the South. Approximately three-quarters of the 3.9 million newborn infants discharged from short-stay hospitals were "well." A well infant is defined as one that does not have an illness or risk-related diagnosis (table O).

The estimated 1.1 million sick infants (28 percent of all newborn) had at least one diagnosis in addition to the newborn diagnosis. Some of these additional diagnoses are shown in table P. About 0.5 million (31 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 60 percent of the respiratory conditions, 58 percent of the congenital anomalies, 53 percent of the jaundice, and 48 percent of the prematurity diagnoses. Of the 1.1 million sick newborn infants, there were 15 percent more baby boys than baby girls; the boys also had 21 percent more diagnoses than the girls did.

Well newborn infants had an average hospital stay of 3.1 days and there was no difference in the length of stay by sex (table O). This table further demonstrates that sick newborn infants stay over 1½ times as long as well infants

(5.6 versus 3.1 days) and account for 41 percent of the newborn patient days, although they compose only 28 percent of newborn infants.

**Table N. Number, percent distribution, and average length of stay for newborn infants discharged from non-Federal short-stay hospitals, by sex and geographic region: United States, 1982**

<i>Sex and geographic region</i>	<i>Number of discharges in thousands</i>	<i>Percent distribution</i>	<i>Average length of stay in days</i>
All newborn infants . . . . .	3,926	100.0	3.8
<b>Sex</b>			
Male . . . . .	2,020	51.5	3.9
Female . . . . .	1,906	48.5	3.6
<b>Region</b>			
Northeast . . . . .	733	18.7	4.5
North Central . . . . .	1,003	25.5	4.1
South . . . . .	1,404	35.8	3.7
West . . . . .	786	20.0	2.9

**Table O. Number and average length of stay of newborn infants discharged from non-Federal short-stay hospitals, by sex and health status: United States, 1982**

<i>Health status</i>	<i>Both sexes</i>	<i>Male</i>	<i>Female</i>
<b>Number in thousands</b>			
All newborn infants . . . . .	3,926	2,020	1,906
Well newborn infants . . . . .	2,833	1,435	1,399
Sick newborn infants . . . . .	1,093	585	507
<b>Average length of stay in days</b>			
All newborn infants . . . . .	3.8	3.9	3.6
Well newborn infants . . . . .	3.1	3.1	3.0
Sick newborn infants . . . . .	5.6	5.8	5.3

**Table P. Number of all-listed diagnoses for sick newborn infants discharged from short-stay hospitals, by selected diagnostic categories and sex: United States, 1982**

[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*]

<i>Diagnostic category and ICD-9-CM code</i>	<i>Both sexes</i>	<i>Male</i>	<i>Female</i>
		Number in thousands	
Sick newborn infant diagnoses <sup>1</sup> . . . . .	1,698	927	771
Congenital anomalies . . . . . 740-749	156	91	65
Disorders relating to short gestation and unspecified low birthweight (prematurity) . . . . . 765	176	84	92
Respiratory distress syndrome and other respiratory conditions of fetus and newborn . . . . . 769-770	180	108	72
Hemolytic disease of fetus or newborn, due to isoimmunization and other perinatal jaundice . . . . . 773-774	516	274	242

<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, 1982

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

SEX AND AGE	DISCHARGED PATIENTS			DAYS OF CARE			AVERAGE LENGTH OF STAY IN DAYS
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	
<b>BOTH SEXES</b>							
ALL AGES.....	38,593	100.0	167.9	272,627	100.0	1,186.0	7.1
UNDER 15 YEARS.....	3,654	9.5	71.2	16,761	6.1	326.4	4.6
UNDER 1 YEAR.....	932	2.4	255.9	6,197	2.3	1,701.5	6.6
1 TO 4 YEARS.....	1,082	2.8	78.8	3,917	1.4	285.3	3.6
5-14 YEARS.....	1,640	4.2	48.3	6,647	2.4	195.6	4.1
15-44 YEARS.....	15,554	40.3	145.0	79,582	29.2	742.0	5.1
15-19 YEARS.....	2,105	5.5	107.4	9,633	3.5	491.8	4.6
20-24 YEARS.....	3,334	8.6	158.3	14,806	5.4	703.0	4.4
25-34 YEARS.....	6,353	16.5	163.9	31,408	11.5	810.5	4.9
35-44 YEARS.....	3,762	9.7	135.1	23,735	8.7	852.2	6.3
45-64 YEARS.....	8,688	22.5	195.5	68,283	25.0	1,536.7	7.9
45-54 YEARS.....	3,893	10.1	174.3	28,567	10.5	1,278.6	7.3
55-64 YEARS.....	4,795	12.4	217.0	39,716	14.6	1,797.7	8.3
65 YEARS AND OVER.....	10,697	27.7	398.8	108,000	39.6	4,026.2	10.1
65-74 YEARS.....	5,231	13.6	324.2	50,034	18.4	3,101.1	9.6
75-84 YEARS.....	3,997	10.4	484.8	41,409	15.2	5,023.0	10.4
85 YEARS AND OVER.....	1,469	3.8	600.9	16,557	6.1	6,771.8	11.3
UNDER 17 YEARS.....	4,268	11.1	72.6	19,928	7.3	339.2	4.7
17-69 YEARS.....	26,254	68.0	171.3	169,326	62.1	1,105.1	6.4
70 YEARS AND OVER.....	8,072	20.9	451.4	83,373	30.6	4,662.2	10.3
<b>MALE</b>							
ALL AGES.....	15,470	100.0	139.4	115,942	100.0	1,044.8	7.5
UNDER 15 YEARS.....	2,098	13.6	79.9	9,635	8.3	366.9	4.6
UNDER 1 YEAR.....	543	3.5	291.5	3,593	3.1	1,927.6	6.6
1 TO 4 YEARS.....	638	4.1	90.8	2,267	2.0	322.8	3.6
5-14 YEARS.....	917	5.9	52.8	3,775	3.3	217.3	4.1
15-44 YEARS.....	4,615	29.8	87.4	29,050	25.1	549.9	6.3
15-19 YEARS.....	662	4.3	66.9	3,762	3.2	380.0	5.7
20-24 YEARS.....	779	5.0	75.5	4,887	4.2	473.6	6.3
25-34 YEARS.....	1,669	10.8	87.7	10,510	9.1	552.1	6.3
35-44 YEARS.....	1,504	9.7	110.8	9,892	8.5	728.7	6.6
45-64 YEARS.....	4,143	26.8	196.3	32,118	27.7	1,521.5	7.8
45-54 YEARS.....	1,768	11.4	163.9	12,958	11.2	1,201.1	7.3
55-64 YEARS.....	2,375	15.4	230.1	19,160	16.5	1,856.6	8.1
65 YEARS AND OVER.....	4,614	29.8	428.1	45,138	38.9	4,188.0	9.8
65-74 YEARS.....	2,475	16.0	353.3	23,186	20.0	3,310.5	9.4
75-84 YEARS.....	1,629	10.5	533.8	16,407	14.2	5,375.7	10.1
85 YEARS AND OVER.....	510	3.3	705.5	5,545	4.8	7,669.1	10.9
UNDER 17 YEARS.....	2,339	15.1	77.9	11,038	9.5	367.4	4.7
17-69 YEARS.....	9,771	63.2	131.8	71,271	61.5	961.3	7.3
70 YEARS AND OVER.....	3,360	21.7	494.5	33,634	29.0	4,950.5	10.0
<b>FEMALE</b>							
ALL AGES.....	23,123	100.0	194.5	156,685	100.0	1,317.9	6.8
UNDER 15 YEARS.....	1,556	6.7	62.0	7,126	4.5	284.0	4.6
UNDER 1 YEAR.....	389	1.7	218.6	2,604	1.7	1,464.4	6.7
1 TO 4 YEARS.....	445	1.9	66.3	1,650	1.1	246.0	3.7
5-14 YEARS.....	723	3.1	43.5	2,872	1.8	172.9	4.0
15-44 YEARS.....	10,939	47.3	201.0	50,532	32.3	928.4	4.6
15-19 YEARS.....	1,442	6.2	148.8	5,872	3.7	606.0	4.1
20-24 YEARS.....	2,555	11.1	237.9	9,919	6.3	923.4	3.9
25-34 YEARS.....	4,683	20.3	237.5	20,898	13.3	1,059.8	4.5
35-44 YEARS.....	2,259	9.8	158.2	13,844	8.8	969.6	6.1
45-64 YEARS.....	4,545	19.7	194.8	36,165	23.1	1,550.4	8.0
45-54 YEARS.....	2,125	9.2	183.9	15,609	10.0	1,351.1	7.3
55-64 YEARS.....	2,420	10.5	205.5	20,556	13.1	1,746.0	8.5
65 YEARS AND OVER.....	6,083	26.3	379.1	62,862	40.1	3,917.6	10.3
65-74 YEARS.....	2,757	11.9	301.9	26,847	17.1	2,940.2	9.7
75-84 YEARS.....	2,368	10.2	456.0	25,003	16.0	4,815.6	10.6
85 YEARS AND OVER.....	959	4.1	556.9	11,012	7.0	6,395.1	11.5
UNDER 17 YEARS.....	1,928	8.3	67.2	8,890	5.7	309.6	4.6
17-69 YEARS.....	16,483	71.3	208.4	98,055	62.6	1,239.9	5.9
70 YEARS AND OVER.....	4,712	20.4	424.9	49,739	31.7	4,485.5	10.6

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, 1982

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

SEX, RACE, AND AGE	DISCHARGED PATIENTS			DAYS OF CARE			AVERAGE LENGTH OF STAY IN DA.
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	
BOTH SEXES							
ALL RACES, ALL AGES.....	38,593	100.0	167.9	272,627	100.0	1,186.0	7.1
UNDER 15 YEARS.....	3,654	9.5	71.2	16,761	6.1	326.4	4.6
15-44 YEARS.....	15,554	40.3	145.0	79,582	29.2	742.0	5.1
45-64 YEARS.....	8,688	22.5	195.5	68,283	25.0	1,536.7	7.9
65 YEARS AND OVER.....	10,697	27.7	398.8	108,000	39.6	4,026.2	10.1
WHITE, ALL AGES.....	29,880	77.4	151.8	213,508	78.3	1,084.8	7.1
UNDER 15 YEARS.....	2,661	6.9	63.4	11,522	4.2	274.4	4.3
15-44 YEARS.....	11,324	29.3	124.1	57,574	21.1	631.2	5.1
45-64 YEARS.....	6,942	18.0	176.6	53,785	19.7	1,368.3	7.7
65 YEARS AND OVER.....	8,953	23.2	368.5	90,627	33.2	3,730.6	10.1
ALL OTHER, ALL AGES.....	5,142	13.3	155.6	36,871	13.5	1,115.5	7.2
UNDER 15 YEARS.....	646	1.7	69.0	3,621	1.3	386.9	5.6
15-44 YEARS.....	2,675	6.9	166.8	14,683	5.4	915.6	5.5
45-64 YEARS.....	980	2.5	191.1	8,985	3.3	1,752.5	9.2
65 YEARS AND OVER.....	842	2.2	332.6	9,582	3.5	3,785.8	11.4
RACE NOT STATED, ALL AGES.....	3,571	9.3	...	22,249	8.2	...	6.2
UNDER 15 YEARS.....	348	0.9	...	1,618	0.6	...	4.7
15-44 YEARS.....	1,595	4.0	...	7,325	2.7	...	4.7
45-64 YEARS.....	766	2.0	...	5,514	2.0	...	7.2
65 YEARS AND OVER.....	903	2.3	...	7,791	2.9	...	8.6
MALE							
ALL RACES, ALL AGES.....	15,470	100.0	139.4	115,942	100.0	1,044.8	7.5
UNDER 15 YEARS.....	2,098	13.6	79.9	9,635	8.3	366.9	4.6
15-44 YEARS.....	4,615	29.8	87.4	29,050	25.1	549.9	6.3
45-64 YEARS.....	4,143	26.8	196.3	32,118	27.7	1,521.5	7.8
65 YEARS AND OVER.....	4,614	29.8	428.1	45,138	38.9	4,188.0	9.8
WHITE, ALL AGES.....	12,104	78.2	126.9	90,351	77.9	947.1	7.5
UNDER 15 YEARS.....	1,524	9.8	70.8	6,532	5.6	303.3	4.3
15-44 YEARS.....	3,426	22.1	75.6	21,058	18.2	464.9	6.1
45-64 YEARS.....	3,319	21.5	176.4	25,313	21.8	1,345.2	7.6
65 YEARS AND OVER.....	3,836	24.8	393.6	37,448	32.3	3,842.4	9.8
ALL OTHER, ALL AGES.....	1,953	12.6	125.5	16,126	13.9	1,036.6	8.3
UNDER 15 YEARS.....	386	2.5	81.6	2,179	1.9	460.9	5.6
15-44 YEARS.....	732	4.7	97.3	5,421	4.7	720.4	7.4
45-64 YEARS.....	451	2.9	196.9	4,123	3.6	1,798.1	9.1
65 YEARS AND OVER.....	384	2.5	372.2	4,403	3.8	4,270.6	11.5
RACE NOT STATED, ALL AGES.....	1,413	9.1	...	9,465	8.2	...	6.7
UNDER 15 YEARS.....	188	1.2	...	925	0.8	...	4.9
15-44 YEARS.....	457	3.0	...	2,571	2.2	...	5.6
45-64 YEARS.....	373	2.4	...	2,682	2.3	...	7.2
65 YEARS AND OVER.....	394	2.5	...	3,287	2.8	...	8.3
FEMALE							
ALL RACES, ALL AGES.....	23,123	100.0	194.5	156,685	100.0	1,317.9	6.8
UNDER 15 YEARS.....	1,556	6.7	62.0	7,126	4.5	284.0	4.6
15-44 YEARS.....	10,939	47.3	201.0	50,532	32.3	928.4	4.6
45-64 YEARS.....	4,545	19.7	194.8	36,165	23.1	1,550.4	8.0
65 YEARS AND OVER.....	6,083	26.3	379.1	62,862	40.1	3,917.6	10.3
WHITE, ALL AGES.....	17,776	76.9	175.3	123,156	78.6	1,214.4	6.9
UNDER 15 YEARS.....	1,137	4.9	55.6	4,990	3.2	243.9	4.4
15-44 YEARS.....	7,898	34.2	172.0	36,516	23.3	795.3	4.6
45-64 YEARS.....	3,624	15.7	176.8	28,472	18.2	1,389.4	7.9
65 YEARS AND OVER.....	5,116	22.1	351.7	53,179	33.9	3,655.6	10.4
ALL OTHER, ALL AGES.....	3,189	13.8	182.5	20,745	13.2	1,187.0	6.5
UNDER 15 YEARS.....	260	1.1	56.1	1,442	0.9	311.3	5.6
15-44 YEARS.....	1,943	8.4	228.3	9,262	5.9	1,088.4	4.8
45-64 YEARS.....	529	2.3	186.5	4,862	3.1	1,715.6	9.2
65 YEARS AND OVER.....	458	2.0	305.6	5,179	3.3	3,454.9	11.3
RACE NOT STATED, ALL AGES.....	2,158	9.3	...	12,784	8.2	...	5.9
UNDER 15 YEARS.....	160	0.7	...	694	0.4	...	4.3
15-44 YEARS.....	1,098	4.7	...	4,754	3.0	...	4.3
45-64 YEARS.....	393	1.7	...	2,831	1.8	...	7.2
65 YEARS AND OVER.....	509	2.2	...	4,505	2.9	...	8.9



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, 1982

(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.....	38,593	19,439	11,658	3,447	615	835	2,090	510
UNDER 15 YEARS.....	3,654	2,342	42	760	-	136	316	58
15-44 YEARS.....	15,554	10,704	314	1,974	415	470	1,330	346
45-64 YEARS.....	8,688	6,138	1,086	596	180	206	388	94
65 YEARS AND OVER.....	10,697	255	10,216	117	19	23	55	12
NORTHEAST								
ALL AGES.....	7,847	3,880	2,442	820	101	150	355	100
UNDER 15 YEARS.....	672	423	*7	171	-	17	39	15
15-44 YEARS.....	3,060	2,053	64	488	65	92	233	65
45-64 YEARS.....	1,832	1,341	207	131	33	35	68	17
65 YEARS AND OVER.....	2,283	63	2,164	31	*	*6	14	*
NORTH CENTRAL								
ALL AGES.....	10,938	5,780	3,247	1,053	162	193	389	114
UNDER 15 YEARS.....	1,068	718	12	244	-	34	51	*8
15-44 YEARS.....	4,356	3,108	77	623	105	109	249	85
45-64 YEARS.....	2,506	1,886	263	158	53	46	82	18
65 YEARS AND OVER.....	3,008	69	2,895	28	*	*	*7	*
SOUTH								
ALL AGES.....	13,435	6,868	4,031	1,057	231	234	870	143
UNDER 15 YEARS.....	1,410	887	17	275	-	41	170	19
15-44 YEARS.....	5,488	3,923	102	551	162	119	534	95
45-64 YEARS.....	2,906	1,973	444	196	59	66	142	26
65 YEARS AND OVER.....	3,631	85	3,468	35	10	*8	23	*
WEST								
ALL AGES.....	6,373	2,910	1,937	516	121	258	476	154
UNDER 15 YEARS.....	504	314	*6	69	-	43	55	17
15-44 YEARS.....	2,650	1,619	70	312	83	150	315	100
45-64 YEARS.....	1,444	938	172	112	35	59	95	32
65 YEARS AND OVER.....	1,774	39	1,689	23	*	*5	11	*5
UNITED STATES								
NUMBER OF DAYS OF CARE IN THOUSANDS								
ALL AGES.....	272,627	111,735	116,310	20,596	3,798	5,001	11,979	3,209
UNDER 15 YEARS.....	16,761	9,903	366	3,657	-	675	1,744	416
15-44 YEARS.....	79,582	53,123	2,753	10,481	2,408	2,554	6,383	1,879
45-64 YEARS.....	68,283	46,183	10,145	5,125	1,218	1,550	3,288	776
65 YEARS AND OVER.....	108,000	2,526	103,046	1,333	171	222	564	137
NORTHEAST								
ALL AGES.....	64,449	24,736	29,437	5,342	652	966	2,473	843
UNDER 15 YEARS.....	3,138	1,758	*77	837	-	79	262	125
15-44 YEARS.....	16,931	10,874	541	2,765	400	523	1,314	514
45-64 YEARS.....	16,284	11,430	2,205	1,292	225	291	695	145
65 YEARS AND OVER.....	28,097	675	26,614	449	*	*73	201	*
NORTH CENTRAL								
ALL AGES.....	81,131	35,919	33,230	6,565	1,073	1,307	2,368	668
UNDER 15 YEARS.....	5,011	3,198	101	1,202	-	153	311	45
15-44 YEARS.....	24,508	17,159	726	3,604	597	738	1,299	385
45-64 YEARS.....	20,577	14,791	2,665	1,406	431	388	692	203
65 YEARS AND OVER.....	31,035	771	29,739	353	*	*27	*65	*
SOUTH								
ALL AGES.....	89,252	36,780	37,710	5,965	1,437	1,543	4,954	863
UNDER 15 YEARS.....	6,456	3,730	141	1,322	-	247	881	135
15-44 YEARS.....	26,660	18,299	878	2,653	979	697	2,629	524
45-64 YEARS.....	21,867	13,972	3,970	1,637	369	522	1,208	189
65 YEARS AND OVER.....	34,269	779	32,721	352	89	*77	235	*
WEST								
ALL AGES.....	37,795	14,299	15,932	2,723	636	1,186	2,185	835
UNDER 15 YEARS.....	2,156	1,217	*48	296	-	196	289	111
15-44 YEARS.....	11,483	6,791	609	1,460	433	595	1,141	456
45-64 YEARS.....	9,556	5,990	1,304	789	192	349	692	239
65 YEARS AND OVER.....	14,599	301	13,972	179	*	*45	63	*29

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, 1982--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.....	7.1	5.7	10.0	6.0	6.2	6.0	5.7	6.3
UNDER 15 YEARS.....	4.6	4.2	8.7	4.8	-	5.0	5.5	7.1
15-44 YEARS.....	5.1	5.0	8.8	5.3	5.8	5.4	4.8	5.4
45-64 YEARS.....	7.9	7.5	9.3	8.6	6.8	7.5	8.5	8.3
65 YEARS AND OVER.....	10.1	9.9	10.1	11.4	8.9	9.9	10.2	11.2
NORTHEAST								
ALL AGES.....	8.2	6.4	12.1	6.5	6.5	6.4	7.0	8.5
UNDER 15 YEARS.....	4.7	4.2	*10.9	4.9	-	4.5	6.7	8.5
15-44 YEARS.....	5.5	5.3	8.5	5.7	6.1	5.7	5.6	7.9
45-64 YEARS.....	8.9	8.5	10.7	9.9	6.9	8.3	10.2	8.5
65 YEARS AND OVER.....	12.3	10.8	12.3	14.6	*	*12.2	14.5	*
NORTH CENTRAL								
ALL AGES.....	7.4	6.2	10.2	6.2	6.6	6.8	6.1	5.9
UNDER 15 YEARS.....	4.7	4.5	8.4	4.9	-	4.5	6.0	5.5
15-44 YEARS.....	5.6	5.5	9.4	5.8	5.7	6.8	5.2	4.5
45-64 YEARS.....	8.2	7.8	10.1	8.9	8.1	8.4	8.5	11.0
65 YEARS AND OVER.....	10.3	11.2	10.3	12.5	*	*	*9.2	*
SOUTH								
ALL AGES.....	6.6	5.4	9.4	5.6	6.2	6.6	5.7	6.0
UNDER 15 YEARS.....	4.6	4.2	8.2	4.8	-	6.0	5.2	7.1
15-44 YEARS.....	4.9	4.7	8.6	4.8	6.0	5.8	4.9	5.5
45-64 YEARS.....	7.5	7.1	8.9	8.4	6.3	7.9	8.5	7.2
65 YEARS AND OVER.....	9.4	9.2	9.4	10.0	8.8	*10.0	10.0	*
WEST								
ALL AGES.....	5.9	4.9	8.2	5.3	5.3	4.6	4.6	5.4
UNDER 15 YEARS.....	4.3	3.9	*7.8	4.3	-	4.6	5.2	6.7
15-44 YEARS.....	4.3	4.2	8.7	4.7	5.2	4.0	3.6	4.5
45-64 YEARS.....	6.6	6.4	7.6	7.0	5.5	5.9	7.3	7.4
65 YEARS AND OVER.....	8.2	7.7	8.3	7.9	*	*8.4	5.8	*6.4

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, 1982

(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		
<b>ALL AGES</b>									
UNITED STATES, ALL SIZES.....	38,593	15,470	23,123	272,627	115,942	156,685	7.1	7.5	6.8
6-99 BEDS.....	6,836	2,732	4,104	38,927	15,958	22,968	5.7	5.8	5.6
100-199 BEDS.....	6,738	2,648	4,089	44,041	18,443	25,598	6.5	7.0	6.3
200-299 BEDS.....	6,366	2,587	3,780	45,013	19,036	25,978	7.1	7.4	6.9
300-499 BEDS.....	9,547	3,874	5,673	71,954	30,689	41,265	7.5	7.9	7.3
500 BEDS OR MORE.....	9,106	3,629	5,478	72,692	31,816	40,876	8.0	8.8	7.5
<b>NORTHEAST, ALL SIZES.....</b>	<b>7,847</b>	<b>3,238</b>	<b>4,610</b>	<b>64,449</b>	<b>28,010</b>	<b>36,439</b>	<b>8.2</b>	<b>8.7</b>	<b>7.9</b>
6-99 BEDS.....	657	325	331	5,484	2,785	2,698	8.4	8.6	8.1
100-199 BEDS.....	1,307	537	770	9,751	4,118	5,634	7.5	7.7	7.3
200-299 BEDS.....	1,194	504	690	10,336	4,305	6,032	8.7	8.5	8.7
300-499 BEDS.....	2,805	1,113	1,693	23,134	9,703	13,431	8.2	8.7	7.9
500 BEDS OR MORE.....	1,885	759	1,126	15,745	7,100	8,645	8.4	9.4	7.7
<b>NORTH CENTRAL, ALL SIZES.....</b>	<b>10,938</b>	<b>4,398</b>	<b>6,540</b>	<b>81,131</b>	<b>34,387</b>	<b>46,743</b>	<b>7.4</b>	<b>7.8</b>	<b>7.1</b>
6-99 BEDS.....	1,429	538	891	8,346	3,211	5,135	5.8	6.0	5.8
100-199 BEDS.....	1,494	607	888	10,034	4,366	5,668	6.7	7.2	6.4
200-299 BEDS.....	1,762	679	1,083	12,532	4,967	7,564	7.1	7.3	7.0
300-499 BEDS.....	2,923	1,237	1,686	22,129	9,593	12,536	7.6	7.8	7.4
500 BEDS OR MORE.....	3,329	1,337	1,991	28,091	12,250	15,840	8.4	9.2	8.0
<b>SOUTH, ALL SIZES.....</b>	<b>13,435</b>	<b>5,268</b>	<b>8,167</b>	<b>89,252</b>	<b>37,151</b>	<b>52,101</b>	<b>6.6</b>	<b>7.1</b>	<b>6.4</b>
6-99 BEDS.....	3,423	1,361	2,062	19,458	7,686	11,772	5.7	5.6	5.7
100-199 BEDS.....	2,769	998	1,771	16,871	6,610	10,261	6.1	6.6	5.8
200-299 BEDS.....	2,125	871	1,253	14,552	6,281	8,272	6.8	7.2	6.6
300-499 BEDS.....	1,857	752	1,105	13,753	5,948	7,805	7.4	7.9	7.1
500 BEDS OR MORE.....	3,261	1,285	1,976	24,617	10,626	13,991	7.5	8.3	7.1
<b>WEST, ALL SIZES.....</b>	<b>6,373</b>	<b>2,566</b>	<b>3,807</b>	<b>37,795</b>	<b>16,394</b>	<b>21,401</b>	<b>5.9</b>	<b>6.4</b>	<b>5.6</b>
6-99 BEDS.....	1,326	507	819	5,640	2,276	3,363	4.3	4.5	4.1
100-199 BEDS.....	1,168	507	661	7,385	3,349	4,036	6.3	6.6	6.1
200-299 BEDS.....	1,286	533	753	7,593	3,483	4,110	5.9	6.5	5.5
300-499 BEDS.....	1,961	772	1,190	12,938	5,445	7,493	6.6	7.1	6.3
500 BEDS OR MORE.....	632	247	385	4,239	1,840	2,399	6.7	7.5	6.2
<b>UNDER 15 YEARS</b>									
UNITED STATES, ALL SIZES.....	3,654	2,098	1,556	16,761	9,635	7,126	4.6	4.6	4.6
6-99 BEDS.....	618	355	263	2,003	1,150	853	3.2	3.2	3.2
100-199 BEDS.....	807	449	358	3,250	1,739	1,511	4.0	3.9	4.2
200-299 BEDS.....	575	336	240	2,504	1,509	995	4.4	4.5	4.2
300-499 BEDS.....	798	451	347	3,630	1,978	1,653	4.6	4.4	4.8
500 BEDS OR MORE.....	856	507	349	5,375	3,260	2,115	6.3	6.4	6.1
<b>NORTHEAST, ALL SIZES.....</b>	<b>672</b>	<b>390</b>	<b>282</b>	<b>3,138</b>	<b>1,804</b>	<b>1,334</b>	<b>4.7</b>	<b>4.6</b>	<b>4.7</b>
6-99 BEDS.....	40	25	14	191	119	72	4.8	4.7	5.1
100-199 BEDS.....	104	56	49	371	187	184	3.6	3.3	3.8
200-299 BEDS.....	80	47	32	339	224	115	4.3	4.8	3.5
300-499 BEDS.....	263	152	111	1,218	630	588	4.6	4.1	5.3
500 BEDS OR MORE.....	186	109	76	1,019	644	375	5.5	5.9	4.9
<b>NORTH CENTRAL, ALL SIZES.....</b>	<b>1,068</b>	<b>609</b>	<b>458</b>	<b>5,011</b>	<b>2,896</b>	<b>2,115</b>	<b>4.7</b>	<b>4.8</b>	<b>4.6</b>
6-99 BEDS.....	126	67	59	411	221	190	3.2	3.3	3.2
100-199 BEDS.....	170	97	73	608	335	273	3.6	3.5	3.7
200-299 BEDS.....	227	125	102	967	535	432	4.3	4.3	4.2
300-499 BEDS.....	244	140	103	1,025	592	434	4.2	4.2	4.2
500 BEDS OR MORE.....	301	180	121	1,999	1,214	786	6.6	6.7	6.5
<b>SOUTH, ALL SIZES.....</b>	<b>1,410</b>	<b>813</b>	<b>597</b>	<b>6,456</b>	<b>3,670</b>	<b>2,786</b>	<b>4.6</b>	<b>4.5</b>	<b>4.7</b>
6-99 BEDS.....	334	193	141	1,120	641	480	3.4	3.3	3.4
100-199 BEDS.....	446	251	194	1,982	1,059	923	4.4	4.2	4.8
200-299 BEDS.....	172	103	69	719	433	287	4.2	4.2	4.2
300-499 BEDS.....	144	80	64	658	378	280	4.6	4.7	4.4
500 BEDS OR MORE.....	315	186	129	1,977	1,160	817	6.3	6.2	6.3
<b>WEST, ALL SIZES.....</b>	<b>504</b>	<b>285</b>	<b>219</b>	<b>2,156</b>	<b>1,266</b>	<b>891</b>	<b>4.3</b>	<b>4.4</b>	<b>4.1</b>
6-99 BEDS.....	118	70	48	281	170	111	2.4	2.4	2.3
100-199 BEDS.....	87	45	42	289	158	130	3.3	3.5	3.1
200-299 BEDS.....	97	60	37	478	317	161	4.9	5.2	4.4
300-499 BEDS.....	148	78	69	729	378	351	4.9	4.8	5.1
500 BEDS OR MORE.....	55	31	23	379	242	137	7.0	7.7	5.9

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, 1982--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
15-44 YEARS									
	NUMBER OF PATIENTS DISCHARGED IN THOUSANDS			NUMBER OF DAYS OF CARE IN THOUSANDS			AVERAGE LENGTH OF STAY IN DAYS		
UNITED STATES, ALL SIZES.....	15,554	4,615	10,939	79,582	29,050	50,532	5.1	6.3	4.6
6-99 BEDS.....	2,628	818	1,810	10,808	3,806	7,002	4.1	4.7	3.9
100-199 BEDS.....	2,693	733	1,960	12,913	4,444	8,469	4.8	6.1	4.3
200-299 BEDS.....	2,428	731	1,698	11,935	4,171	7,764	4.9	5.7	4.6
300-499 BEDS.....	3,845	1,192	2,653	20,750	7,718	13,033	5.4	6.5	4.9
500 BEDS OR MORE.....	3,960	1,141	2,819	23,175	8,912	14,263	5.9	7.8	5.1
NORTHEAST, ALL SIZES.....	3,060	967	2,093	16,931	6,742	10,189	5.5	7.0	4.9
6-99 BEDS.....	244	124	120	1,602	974	629	6.6	7.8	5.2
100-199 BEDS.....	456	146	310	2,246	880	1,366	4.9	6.0	4.4
200-299 BEDS.....	414	139	275	2,244	804	1,440	5.4	5.8	5.2
300-499 BEDS.....	1,114	326	788	6,124	2,227	3,897	5.5	6.8	4.9
500 BEDS OR MORE.....	831	231	600	4,716	1,858	2,857	5.7	8.0	4.8
NORTH CENTRAL, ALL SIZES.....	4,356	1,330	3,026	24,508	9,061	15,447	5.6	6.8	5.1
6-99 BEDS.....	505	138	367	2,053	600	1,453	4.1	4.4	4.0
100-199 BEDS.....	605	182	423	3,279	1,243	2,036	5.4	6.8	4.8
200-299 BEDS.....	677	187	490	3,440	1,064	2,376	5.1	5.7	4.9
300-499 BEDS.....	1,184	422	762	6,814	2,779	4,035	5.8	6.6	5.3
500 BEDS OR MORE.....	1,386	402	984	8,923	3,375	5,547	6.4	8.4	5.6
SOUTH, ALL SIZES.....	5,488	1,543	3,945	26,660	9,110	17,550	4.9	5.9	4.4
6-99 BEDS.....	1,301	406	895	5,401	1,739	3,662	4.2	4.3	4.1
100-199 BEDS.....	1,201	261	940	5,209	1,477	3,732	4.3	5.7	4.0
200-299 BEDS.....	815	242	572	3,992	1,384	2,608	4.9	5.7	4.6
300-499 BEDS.....	721	213	508	3,906	1,353	2,554	5.4	6.3	5.0
500 BEDS OR MORE.....	1,449	421	1,028	8,151	3,157	4,995	5.6	7.5	4.9
WEST, ALL SIZES.....	2,650	775	1,875	11,483	4,137	7,346	4.3	5.3	3.9
6-99 BEDS.....	577	150	427	1,752	494	1,258	3.0	3.3	2.9
100-199 BEDS.....	431	144	287	2,180	844	1,336	5.1	5.9	4.7
200-299 BEDS.....	523	162	361	2,260	920	1,340	4.3	5.7	3.7
300-499 BEDS.....	825	231	594	3,906	1,359	2,547	4.7	5.9	4.3
500 BEDS OR MORE.....	294	87	207	1,385	521	864	4.7	6.0	4.2
45-64 YEARS									
UNITED STATES, ALL SIZES.....	8,688	4,143	4,545	68,283	32,118	36,165	7.9	7.8	8.0
6-99 BEDS.....	1,418	636	782	8,555	3,843	4,712	6.0	6.0	6.0
100-199 BEDS.....	1,406	662	744	10,224	4,790	5,434	7.3	7.2	7.3
200-299 BEDS.....	1,455	704	752	11,169	5,266	5,903	7.7	7.5	7.9
300-499 BEDS.....	2,266	1,102	1,164	18,968	9,015	9,953	8.4	8.2	8.5
500 BEDS OR MORE.....	2,142	1,040	1,102	19,367	9,204	10,163	9.0	8.9	9.2
NORTHEAST, ALL SIZES.....	1,832	894	938	16,284	7,960	8,324	8.9	8.9	8.9
6-99 BEDS.....	162	88	73	1,303	727	576	8.1	8.2	7.9
100-199 BEDS.....	293	138	155	2,204	1,046	1,158	7.5	7.6	7.5
200-299 BEDS.....	286	146	140	2,468	1,281	1,186	8.6	8.8	8.5
300-499 BEDS.....	666	313	353	6,173	2,887	3,285	9.3	9.2	9.3
500 BEDS OR MORE.....	425	208	217	4,136	2,018	2,118	9.7	9.7	9.7
NORTH CENTRAL, ALL SIZES.....	2,506	1,196	1,310	20,577	9,574	11,003	8.2	8.0	8.4
6-99 BEDS.....	282	121	160	1,724	716	1,008	6.1	5.9	6.3
100-199 BEDS.....	316	150	166	2,331	1,107	1,223	7.4	7.4	7.4
200-299 BEDS.....	362	170	192	2,853	1,262	1,591	7.9	7.4	8.3
300-499 BEDS.....	714	350	364	5,845	2,761	3,083	8.2	7.9	8.5
500 BEDS OR MORE.....	832	404	428	7,825	3,727	4,098	9.4	9.2	9.6
SOUTH, ALL SIZES.....	2,906	1,364	1,542	21,867	10,035	11,832	7.5	7.4	7.7
6-99 BEDS.....	697	306	390	4,186	1,806	2,380	6.0	5.9	6.1
100-199 BEDS.....	515	233	281	3,754	1,724	2,030	7.3	7.4	7.2
200-299 BEDS.....	519	251	268	3,870	1,764	2,106	7.5	7.0	7.9
300-499 BEDS.....	432	215	217	3,705	1,780	1,925	8.6	8.3	8.9
500 BEDS OR MORE.....	744	359	385	6,353	2,962	3,391	8.5	8.3	8.8
WEST, ALL SIZES.....	1,444	690	753	9,556	4,550	5,006	6.6	6.6	6.6
6-99 BEDS.....	278	120	158	1,342	594	748	4.8	5.0	4.7
100-199 BEDS.....	282	141	142	1,935	913	1,023	6.9	6.5	7.2
200-299 BEDS.....	288	137	152	1,979	959	1,020	6.9	7.0	6.7
300-499 BEDS.....	454	224	230	3,246	1,586	1,660	7.1	7.1	7.2
500 BEDS OR MORE.....	141	69	72	1,053	498	556	7.5	7.2	7.7

TABLE 4. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, DAYS OF CARE, AND AVERAGE LENGTH OF STAY FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY AGE, GEOGRAPHIC REGION, BED SIZE OF HOSPITAL, AND SEX: UNITED STATES, 1982--CON.  
(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

AGE, REGION, AND BED SIZE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
<b>65 YEARS AND OVER</b>	<b>NUMBER OF PATIENTS DISCHARGED IN THOUSANDS</b>			<b>NUMBER OF DAYS OF CARE IN THOUSANDS</b>			<b>AVERAGE LENGTH OF STAY IN DAYS</b>		
UNITED STATES, ALL SIZES.....	10,697	4,614	6,083	108,000	45,138	62,862	10.1	9.8	10.3
6-99 BEDS.....	2,172	923	1,248	17,561	7,160	10,401	8.1	7.8	8.3
100-199 BEDS.....	1,832	804	1,028	17,654	7,469	10,184	9.6	9.3	9.9
200-299 BEDS.....	1,907	817	1,091	19,405	8,089	11,316	10.2	9.9	10.4
300-499 BEDS.....	2,638	1,129	1,509	28,605	11,979	16,626	10.8	10.6	11.0
500 BEDS OR MORE.....	2,148	941	1,207	24,775	10,440	14,335	11.5	11.1	11.9
NORTHEAST, ALL SIZES.....	2,283	987	1,296	28,097	11,505	16,593	12.3	11.7	12.8
6-99 BEDS.....	211	88	124	2,387	966	1,421	11.3	11.0	11.5
100-199 BEDS.....	452	196	256	4,930	2,005	2,926	10.9	10.2	11.4
200-299 BEDS.....	414	171	243	5,286	1,995	3,291	12.8	11.7	13.5
300-499 BEDS.....	763	322	441	9,619	3,959	5,660	12.6	12.3	12.8
500 BEDS OR MORE.....	443	211	232	5,874	2,580	3,294	13.3	12.2	14.2
NORTH CENTRAL, ALL SIZES.....	3,008	1,263	1,745	31,035	12,856	18,179	10.3	10.2	10.4
6-99 BEDS.....	516	212	304	4,159	1,674	2,485	8.1	7.9	8.2
100-199 BEDS.....	404	178	226	3,816	1,681	2,135	9.4	9.4	9.5
200-299 BEDS.....	497	197	299	5,272	2,107	3,165	10.6	10.7	10.6
300-499 BEDS.....	782	325	457	8,445	3,461	4,984	10.8	10.6	10.9
500 BEDS OR MORE.....	809	351	459	9,343	3,934	5,410	11.5	11.2	11.8
SOUTH, ALL SIZES.....	3,631	1,548	2,083	34,269	14,336	19,933	9.4	9.3	9.6
6-99 BEDS.....	1,091	456	635	8,751	3,501	5,250	8.0	7.7	8.3
100-199 BEDS.....	608	252	355	5,926	2,350	3,576	9.8	9.3	10.1
200-299 BEDS.....	619	275	344	5,972	2,700	3,271	9.6	9.8	9.5
300-499 BEDS.....	560	245	315	5,485	2,438	3,047	9.8	10.0	9.7
500 BEDS OR MORE.....	753	320	433	8,136	3,348	4,788	10.8	10.5	11.1
WEST, ALL SIZES.....	1,774	815	960	14,599	6,441	8,159	8.2	7.9	8.5
6-99 BEDS.....	353	167	186	2,265	1,019	1,245	8.4	6.1	6.7
100-199 BEDS.....	368	177	191	2,981	1,434	1,547	8.1	8.1	8.1
200-299 BEDS.....	377	174	204	2,876	1,287	1,589	7.6	7.4	7.8
300-499 BEDS.....	534	238	296	5,056	2,122	2,935	9.5	8.9	9.9
500 BEDS OR MORE.....	142	59	83	1,421	579	842	10.0	9.8	10.1

TABLE 5. RATE OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS AND RATE OF DAYS OF CARE, BY AGE, GEOGRAPHIC REGION, AND SEX: UNITED STATES, 1982

(DISCHARGES FROM NONFEDERAL HOSPITALS. EXCLUDES NEWBORN INFANTS)

AGE AND REGION	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
	RATE OF PATIENTS DISCHARGED PER 1,000 POPULATION			RATE OF DAYS OF CARE PER 1,000 POPULATION		
ALL AGES						
UNITED STATES.....	167.9	139.4	194.5	1,186.0	1,044.8	1,317.9
NORTHEAST.....	159.0	137.6	178.6	1,306.1	1,190.3	1,411.7
NORTH CENTRAL.....	186.1	154.3	216.0	1,380.3	1,206.2	1,544.3
SOUTH.....	173.9	141.8	203.5	1,155.1	1,000.3	1,298.4
WEST.....	143.3	117.7	167.8	849.8	752.2	943.5
UNDER 15 YEARS						
UNITED STATES.....	71.2	79.9	62.0	326.4	366.9	284.0
NORTHEAST.....	67.0	76.0	57.5	312.5	351.3	271.9
NORTH CENTRAL.....	80.0	89.2	70.4	375.5	423.9	324.7
SOUTH.....	79.5	89.7	68.8	364.1	404.9	321.3
WEST.....	49.3	54.6	43.7	210.8	241.9	178.1
15-44 YEARS						
UNITED STATES.....	145.0	87.4	201.0	742.0	549.9	928.4
NORTHEAST.....	134.9	87.2	180.5	746.6	608.3	878.8
NORTH CENTRAL.....	159.7	98.3	220.1	898.6	670.1	1,123.4
SOUTH.....	153.1	88.1	215.3	743.8	519.8	958.0
WEST.....	123.5	72.5	174.2	535.2	386.9	682.5
45-64 YEARS						
UNITED STATES.....	195.5	196.3	194.8	1,536.7	1,521.5	1,550.4
NORTHEAST.....	177.2	183.9	171.3	1,575.3	1,637.8	1,519.8
NORTH CENTRAL.....	224.2	223.3	225.1	1,840.9	1,787.8	1,890.3
SOUTH.....	197.3	196.8	197.7	1,484.5	1,448.5	1,516.5
WEST.....	176.3	174.1	178.3	1,166.6	1,147.5	1,184.6
65 YEARS AND OVER						
UNITED STATES.....	398.8	428.1	379.1	4,026.2	4,188.0	3,917.6
NORTHEAST.....	363.0	404.0	337.1	4,467.7	4,707.3	4,316.5
NORTH CENTRAL.....	430.8	452.5	416.3	4,445.0	4,604.7	4,337.5
SOUTH.....	405.4	426.8	390.9	3,825.9	3,951.5	3,740.4
WEST.....	386.1	425.6	357.9	3,176.5	3,365.1	3,042.0

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, 1982

(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.....	38,593	15,470	23,123	272,627	115,942	156,685	7.1	7.5	6.8
UNDER 15 YEARS.....	3,654	2,098	1,556	16,761	9,635	7,126	4.6	4.6	4.6
15-44 YEARS.....	15,554	4,615	10,939	79,582	29,050	50,532	5.1	6.3	4.6
45-64 YEARS.....	8,688	4,143	4,545	68,283	32,118	36,165	7.9	7.8	8.0
65 YEARS AND OVER.....	10,697	4,614	6,083	108,000	45,138	62,862	10.1	9.8	10.3
<b>VOLUNTARY NONPROFIT</b>									
ALL AGES.....	27,207	10,820	16,387	197,158	83,177	113,981	7.2	7.7	7.0
UNDER 15 YEARS.....	2,602	1,484	1,118	11,876	6,733	5,144	4.6	4.5	4.6
15-44 YEARS.....	10,706	3,065	7,641	54,866	19,395	35,471	5.1	6.3	4.6
45-64 YEARS.....	6,246	2,977	3,269	50,122	23,577	26,544	8.0	7.9	8.1
65 YEARS AND OVER.....	7,653	3,294	4,359	80,294	33,471	46,822	10.5	10.2	10.7
<b>GOVERNMENT</b>									
ALL AGES.....	8,254	3,365	4,889	53,082	23,309	29,773	6.4	6.9	6.1
UNDER 15 YEARS.....	846	491	355	4,109	2,433	1,676	4.9	5.0	4.7
15-44 YEARS.....	3,580	1,122	2,458	17,729	6,980	10,749	5.0	6.2	4.4
45-64 YEARS.....	1,695	818	877	12,296	5,803	6,493	7.3	7.1	7.4
65 YEARS AND OVER.....	2,132	934	1,198	18,948	8,093	10,855	8.9	8.7	9.1
<b>PROPRIETARY</b>									
ALL AGES.....	3,133	1,285	1,848	22,387	9,457	12,930	7.1	7.4	7.0
UNDER 15 YEARS.....	206	122	84	776	470	306	3.8	3.8	3.7
15-44 YEARS.....	1,268	428	840	6,987	2,675	4,312	5.5	6.3	5.1
45-64 YEARS.....	747	349	399	5,865	2,738	3,128	7.8	7.8	7.8
65 YEARS AND OVER.....	912	386	526	8,758	3,574	5,185	9.6	9.3	9.9

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, 1982

(DISCHARGES FROM NONFEDERAL HOSPITALS)

AGE, RACE, REGION, AND BED SIZE	DISCHARGED PATIENTS			DAYS OF CARE			AVERAGE LENGTH OF STAY IN DAYS
	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	NUMBER IN THOUSANDS	PERCENT DISTRIBUTION	RATE PER 1,000 POPULATION	
10-54 YEARS.....	3,945	100.0	52.7	14,103	100.0	188.6	3.6
AGE							
10-14 YEARS.....	13	0.3	1.4	55	0.4	6.2	4.3
15-44 YEARS.....	3,928	99.6	72.2	14,033	99.5	257.8	3.6
15-19 YEARS.....	541	13.7	55.8	1,817	12.9	187.5	3.4
20-24 YEARS.....	1,275	32.3	118.7	4,371	31.0	406.9	3.4
25-29 YEARS.....	1,283	32.5	124.3	4,633	32.9	448.9	3.6
30-34 YEARS.....	633	16.1	67.4	2,411	17.1	256.6	3.8
35-44 YEARS.....	196	5.0	13.8	800	5.7	56.1	4.1
45-54 YEARS.....	*	*	*	*	*	*	*
10-17 YEARS.....	209	5.3	14.5	708	5.0	49.2	3.4
18-54 YEARS.....	3,736	94.7	61.9	13,395	95.0	221.8	3.6
RACE							
WHITE.....	2,795	70.9	44.2	9,923	70.4	157.0	3.5
ALL OTHER.....	700	17.7	60.3	2,635	18.7	227.0	3.8
RACE NOT STATED.....	450	11.4	...	1,545	11.0	...	3.4
REGION							
NORTHEAST.....	739	18.7	46.2	3,077	21.8	192.2	4.2
NORTH CENTRAL.....	1,033	26.2	54.6	4,045	28.7	213.8	3.9
SOUTH.....	1,407	35.7	55.7	4,823	34.2	190.8	3.4
WEST.....	766	19.4	56.1	2,157	15.3	157.9	2.8
BED SIZE							
6-99 BEDS.....	580	14.7	...	1,757	12.5	...	3.0
100-199 BEDS.....	682	17.3	...	2,305	16.3	...	3.4
200-299 BEDS.....	605	15.3	...	2,055	14.6	...	3.4
300-499 BEDS.....	984	24.9	...	3,692	26.2	...	3.8
500 BEDS OR MORE.....	1,093	27.7	...	4,293	30.4	...	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, 1982

(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.....	3,945	580	682	605	984	1,093
NORTHEAST.....	739	33	99	92	316	199
NORTH CENTRAL.....	1,033	108	130	175	255	365
SOUTH.....	1,407	275	362	185	161	423
WEST.....	766	165	90	153	251	106
NUMBER OF DAYS OF CARE IN THOUSANDS						
UNITED STATES.....	14,103	1,757	2,305	2,055	3,692	4,293
NORTHEAST.....	3,077	114	389	391	1,327	856
NORTH CENTRAL.....	4,045	405	488	615	989	1,548
SOUTH.....	4,823	858	1,176	613	593	1,582
WEST.....	2,157	380	251	436	783	307
AVERAGE LENGTH OF STAY IN DAYS						
UNITED STATES.....	3.6	3.0	3.4	3.4	3.8	3.9
NORTHEAST.....	4.2	3.5	3.9	4.3	4.2	4.3
NORTH CENTRAL.....	3.9	3.8	3.7	3.5	3.9	4.2
SOUTH.....	3.4	3.1	3.2	3.3	3.7	3.7
WEST.....	2.8	2.3	2.8	2.8	3.1	2.9

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, 1982

(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					
01 ALL CONDITIONS.....	38,593	3,654	15,554	8,688	10,697						
02 INFECTIOUS AND PARASITIC DISEASES.....001-139	695	224	234	102	135						
03 NEOPLASMS.....140-239	2,594	73	492	912	1,117						
04 MALIGNANT NEOPLASMS.....140-208,230-234	1,972	46	215	716	995						
05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	319	*	15	147	155						
06 MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	227	*	31	103	93						
07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	622	27	276	197	122						
08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,161	62	302	372	426						
09 DIABETES MELLITUS.....250	661	22	158	241	240						
10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	367	66	94	55	151						
11 ANEMIAS.....280-285	253	29	58	36	131						
12 MENTAL DISORDERS.....290-319	1,746	57	972	448	269						
13 PSYCHOSES.....290-299	574	*5	305	151	113						
14 NEUROTIC AND PERSONALITY DISORDERS.....300-301	285	*9	170	72	33						
15 ALCOHOL DEPENDENCE SYNDROME.....303	417	*	238	143	33						
16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,828	309	368	413	739						
17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	429	61	146	98	123						
18 CATARACT.....366	555	*	18	107	428						
19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	345	177	62	60	46						
20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,488	45	535	1,780	3,128						
21 ESSENTIAL HYPERTENSION.....401	333	*	65	139	126						
22 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,477	29	250	1,171	2,026						
23 ACUTE MYOCARDIAL INFARCTION.....410	681	*	42	257	380						
24 ATHEROSCLEROTIC HEART DISEASE.....414.0	500	*	17	165	316						
25 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	822	*	65	386	369						
26 CONGESTIVE HEART FAILURE.....428.0	439	*	*8	72	356						
27 CEREBROVASCULAR DISEASE.....430-438	834	*	33	180	618						
28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,459	1,029	770	656	1,003						
29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	459	229	88	63	79						
30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	436	280	149	*	*						
31 PNEUMONIA, ALL FORMS.....480-486	824	270	128	127	300						
32 ASTHMA.....493	434	151	104	98	81						
33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,628	486	1,496	1,292	1,354						
34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	351	*	87	123	139						
35 GASTRITIS AND DUODENITIS.....535	261	12	107	79	63						
36 APPENDICITIS.....540-543	254	62	151	28	13						
37 INGUINAL HERNIA.....550	512	85	135	160	132						
38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	611	204	206	83	118						
39 DIVERTICULA OF INTESTINE.....562	213	*	12	71	130						
40 CHOLELITHIASIS.....574	496	*	174	167	153						
41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,411	159	1,689	816	748						
42 CALCULUS OF KIDNEY AND URETER.....592	297	*	153	99	42						
43 HYPERPLASIA OF PROSTATE.....600	272	-	*	83	188						
44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	360	*	276	82	*						
45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	1,018	*5	1,009	*5	...						
46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	484	*	477	*	...						
47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	566	69	229	133	135						
48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,377	78	943	778	578						
49 ARTHROPATHIES AND RELATED DISORDERS.....710-719	568	18	188	170	193						
50 INTERVERTEBRAL DISC DISORDERS.....722	436	*	225	158	52						
51 CONGENITAL ANOMALIES.....740-759	335	174	93	43	25						
52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	166	164	*	-	-						
53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	624	121	267	148	88						
54 INJURY AND POISONING.....800-999	3,568	464	1,714	643	747						
55 FRACTURES, ALL SITES.....800-829	1,132	153	404	189	387						
56 FRACTURE OF NECK OF FEMUR.....820	228	*	*7	26	192						
57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	305	*	191	78	33						
58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	285	72	152	29	32						
59 LACERATIONS AND OPEN WOUNDS.....870-904	328	48	204	48	28						
60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,563	69	4,346	92	55						
61 PERSONS ADMITTED FOR STERILIZATION.....V25.2	200	-	197	*	*						
62 FEMALES WITH DELIVERIES.....V27	3,945	13	3,928	*	...						

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, 1982—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					
1,679.0	711.6	1,450.2	1,955.2	3,987.9	7.1	4.6	5.1	7.9	10.1	01
30.2	43.6	21.8	22.9	50.3	6.7	4.2	5.6	8.6	11.0	02
112.8	14.1	45.9	205.3	416.3	9.9	5.9	6.6	9.8	11.8	03
85.8	8.9	20.1	161.0	370.9	11.1	7.5	8.1	10.7	12.2	04
13.9	*	1.4	33.2	58.0	10.9	*	7.8	10.5	11.6	05
9.9	*	2.9	23.2	34.6	10.0	*	7.4	10.1	10.8	06
27.1	5.2	25.8	44.3	45.4	6.1	3.0	5.5	6.2	8.1	07
50.5	12.0	28.2	83.7	158.6	8.8	5.8	6.6	8.8	10.9	08
28.8	4.3	14.7	54.3	89.5	9.5	6.2	6.9	9.7	11.3	09
16.0	12.9	8.8	12.4	56.5	7.0	4.9	4.9	8.1	8.8	10
11.0	5.6	5.4	8.1	48.8	7.2	3.9	5.2	7.7	8.6	11
76.0	11.1	90.7	100.8	100.1	12.1	13.7	11.8	12.0	13.0	12
25.0	*1.0	28.5	33.9	42.0	15.5	*28.3	14.7	16.4	15.7	13
12.4	*1.8	15.9	16.3	12.4	10.1	*11.4	10.6	9.3	9.0	14
18.1	*	22.2	32.2	12.5	11.2	*	11.2	10.9	12.2	15
79.5	60.1	34.3	93.0	275.4	5.4	3.5	6.1	5.8	5.5	16
18.6	12.0	13.6	22.0	45.9	11.0	7.7	9.3	11.4	14.3	17
24.2	*	1.6	24.1	159.7	2.9	*	2.6	2.8	3.0	18
15.0	34.4	5.8	13.4	17.0	3.2	2.4	3.2	4.0	5.2	19
238.8	8.8	49.9	400.6	1,166.3	9.4	7.1	6.6	8.2	10.5	20
14.5	*	6.1	31.4	46.8	6.4	*	4.6	6.1	7.8	21
151.2	5.7	23.3	263.5	755.2	8.9	6.9	6.7	7.9	9.8	22
29.6	*	4.0	57.9	141.5	11.2	*	9.1	10.7	11.9	23
21.7	*	1.6	37.1	118.0	8.8	*	5.0	7.1	9.9	24
35.8	*	6.0	86.9	137.6	7.1	*	5.6	6.6	7.9	25
19.1	*	*0.8	16.2	132.6	10.1	*	*10.2	8.7	10.4	26
36.3	*	3.1	40.4	230.3	12.2	*	11.2	11.2	12.6	27
150.5	200.5	71.8	147.7	374.0	6.2	3.5	4.1	7.5	9.7	28
20.0	44.5	8.2	14.2	29.6	4.8	3.7	3.9	6.1	8.0	29
19.0	54.5	13.9	*	*	1.9	1.7	2.1	*	*	30
35.9	52.5	11.9	28.5	111.8	8.0	5.0	6.3	8.8	11.1	31
18.9	29.3	9.7	22.1	30.4	5.5	3.6	5.2	6.4	8.1	32
201.3	94.6	139.5	290.7	504.7	6.8	4.0	5.4	7.1	9.0	33
15.3	*	8.1	27.7	51.7	7.9	*	5.8	7.2	10.0	34
11.4	2.4	10.0	17.8	23.4	5.3	3.0	4.2	5.5	7.6	35
11.1	12.2	14.1	6.2	4.9	5.3	4.5	4.8	7.5	11.1	36
22.3	16.5	12.6	36.0	49.1	4.5	2.5	3.8	4.7	6.3	37
26.6	39.7	19.2	18.7	44.1	5.3	4.0	5.5	5.9	6.8	38
9.2	*	1.1	15.9	48.5	8.0	*	6.5	7.7	8.3	39
21.6	*	16.2	37.5	57.2	8.9	*	7.2	8.4	11.4	40
148.4	30.9	157.5	183.6	278.9	5.6	3.5	4.6	5.5	8.5	41
12.9	*	14.3	22.2	15.8	4.8	*	3.9	5.2	7.6	42
11.8	-	*	18.7	70.1	8.2	-	*	7.0	8.7	43
15.7	*	25.7	18.5	*	3.5	*	3.5	3.5	*	44
44.3	*1.0	94.0	*1.0	...	2.5	*2.3	2.5	*3.0	...	45
21.1	*	44.5	*	...	2.0	*	2.0	*	...	46
24.6	13.5	21.3	30.0	50.3	8.3	4.3	6.0	8.8	13.8	47
103.4	15.2	87.9	175.1	215.4	7.7	5.1	6.2	7.7	10.7	48
24.7	3.5	17.5	38.3	71.8	8.5	5.5	5.0	8.8	11.8	49
19.0	*	20.9	35.6	19.5	9.5	*	8.7	9.7	12.4	50
14.6	33.9	8.7	9.6	9.3	6.1	5.5	5.7	7.7	8.5	51
7.2	32.0	*	-	-	12.7	12.7	*	-	-	52
27.1	23.6	24.9	33.4	32.6	4.1	3.1	3.5	4.4	6.5	53
155.2	90.4	159.8	144.7	278.6	7.4	4.3	5.8	8.0	12.6	54
49.3	29.7	37.7	42.4	144.2	10.1	5.2	7.2	9.7	15.2	55
9.9	*	*0.7	5.8	71.4	18.6	*	*20.4	16.5	18.7	56
13.3	*	17.8	17.6	12.4	7.4	*	7.0	7.9	9.1	57
12.4	14.0	14.2	6.5	11.8	5.6	3.1	5.7	8.4	8.7	58
14.3	9.3	19.0	10.8	10.4	5.3	4.0	5.1	5.9	8.0	59
198.5	13.5	405.2	20.7	20.5	3.6	3.7	3.5	4.8	6.8	60
8.7	-	18.4	*	*	2.0	-	2.0	*	*	61
171.6	2.5	366.2	*	...	3.6	4.3	3.6	*	...	62

TABLE 10. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, RATE OF DISCHARGES, AND AVERAGE LENGTH OF STAY, BY CATEGORY OF FIRST-LISTED DIAGNOSIS, SEX, AND RACE: UNITED STATES, 1982

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE	SEX					
	BOTH SEXES			BOTH SEXES		
	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.....	38,593	15,470	23,123	1,679.0	1,394.0	1,944.9
02 INFECTIOUS AND PARASITIC DISEASES.....001-139	695	326	369	30.2	29.4	31.0
03 NEOPLASMS.....140-239	2,594	1,096	1,498	112.8	98.7	126.0
04 MALIGNANT NEOPLASMS.....140-208,230-234	1,972	941	1,031	85.8	84.8	86.7
05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	319	198	121	13.9	17.8	10.2
06 MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	227	*	226	9.9	*	19.0
07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	622	155	467	27.1	13.9	39.3
08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,161	432	729	50.5	38.9	61.3
09 DIABETES MELLITUS.....240-279	661	265	396	28.8	23.9	33.3
10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	367	159	208	16.0	14.3	17.5
11 ANEMIAS.....280-285	253	100	153	11.0	9.0	12.9
12 MENTAL DISORDERS.....290-319	1,746	899	847	76.0	81.0	71.2
13 PSYCHOSES.....290-299	574	260	313	25.0	23.5	26.4
14 NEUROTIC AND PERSONALITY DISORDERS.....300-301	285	95	190	12.4	8.6	16.0
15 ALCOHOL DEPENDENCE SYNDROME.....303	417	321	95	18.1	29.0	8.0
16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,828	806	1,022	79.5	72.6	86.0
17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	429	202	226	18.6	18.2	19.0
18 CATARACT.....366	555	210	345	24.2	19.0	29.0
19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	345	174	170	15.0	15.7	14.3
20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,488	2,785	2,703	238.8	251.0	227.3
21 ESSENTIAL HYPERTENSION.....401	333	138	195	14.5	12.4	16.4
22 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,477	1,849	1,627	151.2	166.6	136.9
23 ACUTE MYOCARDIAL INFARCTION.....410	681	414	266	29.6	37.3	22.4
24 ATHEROSCLEROTIC HEART DISEASE.....414.0	500	272	227	21.7	24.5	19.1
25 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	822	474	348	35.8	42.7	29.2
26 CONGESTIVE HEART FAILURE.....428.0	439	195	243	19.1	17.6	20.5
27 CEREBROVASCULAR DISEASE.....430-438	834	388	446	36.3	35.0	37.5
28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,459	1,715	1,744	150.5	154.5	146.7
29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	459	224	235	20.0	20.2	19.7
30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	436	176	259	19.0	15.9	21.8
31 PNEUMONIA, ALL FORMS.....480-486	824	416	408	35.9	37.5	34.3
32 ASTHMA.....493	434	190	245	18.9	17.1	20.6
33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,628	2,162	2,466	201.3	194.8	207.4
34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	351	176	174	15.3	15.9	14.7
35 GASTRITIS AND DUODENITIS.....535	261	113	148	11.4	10.1	12.5
36 APPENDICITIS.....540-543	254	145	110	11.1	13.1	9.2
37 INGUINAL HERNIA.....550	512	455	56	22.3	41.0	4.7
38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	611	259	352	26.6	23.3	29.6
39 DIVERTICULA OF INTESTINE.....562	213	71	141	9.2	6.4	11.9
40 CHOLELITHIASIS.....574	496	129	367	21.6	11.6	30.9
41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,411	1,079	2,332	148.4	97.2	196.2
42 CALCULUS OF KIDNEY AND URETER.....592	297	196	101	12.9	17.6	8.5
43 HYPERPLASIA OF PROSTATE.....600	272	272	...	11.8	24.5	...
44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	360	...	360	15.7	...	30.3
45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	1,018	...	1,018	44.3	...	85.6
46 ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	484	...	484	21.1	...	40.7
47 DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	566	277	289	24.6	24.9	24.3
48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,377	1,016	1,361	103.4	91.5	114.5
49 ARTHROPATHIES AND RELATED DISORDERS.....710-719	568	233	336	24.7	21.0	28.2
50 INTERVERTEBRAL DISC DISORDERS.....722	436	238	198	19.0	21.4	16.7
51 CONGENITAL ANOMALIES.....740-759	335	171	163	14.6	15.4	13.7
52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	166	95	71	7.2	8.6	5.9
53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	624	289	334	27.1	26.1	28.1
54 INJURY AND POISONING.....800-999	3,568	1,985	1,583	155.2	178.9	133.1
55 FRACTURES, ALL SITES.....800-829	1,132	565	567	49.3	50.9	47.7
56 FRACTURE OF NECK OF FEMUR.....820	228	57	171	9.9	5.1	14.4
57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	305	136	170	13.3	12.2	14.3
58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	285	178	106	12.4	16.1	8.9
59 LACERATIONS AND OPEN WOUNDS.....870-904	328	245	83	14.3	22.1	7.0
60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,563	177	4,385	198.5	16.0	368.9
61 PERSONS ADMITTED FOR STERILIZATION.....V25.2	200	*	197	8.7	*	16.6
62 FEMALES WITH DELIVERIES.....V27	3,945	...	3,945	171.6	...	331.8

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, 1982--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				
7.1	7.5	6.8	38,593	29,880	5,142	3,571	1,679.0	1,518.2	1,555.8	...	7.1	7.1	7.2	6.2	01
6.7	6.3	7.0	695	524	123	49	30.2	26.6	37.1	...	6.7	6.5	7.9	5.2	02
9.9	10.4	9.6	2,594	2,085	298	211	112.8	105.9	90.0	...	9.9	10.0	10.7	8.5	03
11.1	11.2	11.1	1,972	1,621	196	155	85.8	82.4	59.2	...	11.1	11.1	12.8	9.8	04
10.9	11.2	10.5	319	263	37	*19	13.9	13.3	11.1	...	10.9	10.9	11.6	*10.2	05
10.0	*	10.0	227	190	18	*20	9.9	9.7	5.4	...	10.0	9.9	12.7	*7.9	06
6.1	5.9	6.2	622	464	102	56	27.1	23.6	30.8	...	6.1	6.1	6.6	5.0	07
8.8	8.5	9.0	1,161	877	193	91	50.5	44.6	58.3	...	8.8	8.7	9.6	8.1	08
9.5	9.1	9.7	661	487	121	53	28.8	24.8	36.7	...	9.5	9.5	9.7	8.8	09
7.0	6.7	7.2	367	258	82	*26	16.0	13.1	24.9	...	7.0	7.2	6.9	*5.4	10
7.2	6.7	7.5	253	168	71	*15	11.0	8.5	21.4	...	7.2	7.7	6.1	*5.9	11
12.1	11.6	12.6	1,746	1,281	254	211	76.0	65.1	76.8	...	12.1	12.5	11.2	10.9	12
15.5	14.7	16.2	574	437	92	45	25.0	22.2	27.8	...	15.5	16.0	14.2	12.7	13
10.1	9.8	10.3	285	237	27	*21	12.4	12.0	8.2	...	10.1	10.1	10.4	*10.3	14
11.2	10.6	13.0	417	258	69	90	18.1	13.1	20.8	...	11.2	11.7	9.1	11.2	15
5.4	5.7	5.1	1,828	1,456	175	197	79.5	74.0	53.0	...	5.4	5.3	6.8	4.4	16
11.0	11.6	10.4	429	338	52	39	18.6	17.2	15.7	...	11.0	10.9	12.6	9.6	17
2.9	2.8	3.0	555	453	33	69	24.2	23.0	10.1	...	2.9	2.9	4.0	2.8	18
3.2	2.9	3.5	345	271	36	38	15.0	13.8	11.0	...	3.2	3.2	4.0	2.7	19
9.4	9.0	9.8	5,488	4,504	560	423	238.8	228.9	169.5	...	9.4	9.4	10.3	8.3	20
6.4	5.9	6.8	333	236	71	*26	14.5	12.0	21.5	...	6.4	6.3	7.1	*5.6	21
8.9	8.5	9.4	3,477	2,904	315	258	151.2	147.6	95.3	...	8.9	8.9	9.8	7.8	22
11.2	11.0	11.6	681	580	46	55	29.6	29.5	14.0	...	11.2	11.4	10.7	10.0	23
8.8	7.9	9.9	500	432	30	38	21.7	22.0	9.0	...	8.8	8.8	10.1	7.6	24
7.1	6.8	7.5	822	711	62	49	35.8	36.1	18.7	...	7.1	7.1	8.0	5.8	25
10.1	9.3	10.7	439	343	60	35	19.1	17.4	18.2	...	10.1	10.1	10.6	8.7	26
12.2	11.5	12.9	834	675	89	70	36.3	34.3	26.9	...	12.2	12.1	13.8	11.5	27
6.2	6.2	6.3	3,459	2,729	422	307	150.5	138.7	127.6	...	6.2	6.4	5.8	5.5	28
4.8	4.5	5.2	459	358	60	41	20.0	18.2	18.2	...	4.8	5.0	4.3	3.8	29
1.9	1.8	2.0	436	344	39	53	19.0	17.5	11.7	...	1.9	1.9	2.0	1.7	30
8.0	7.9	8.1	824	646	111	68	35.9	32.8	33.6	...	8.0	8.0	7.7	8.2	31
5.5	4.9	5.9	434	291	108	35	18.9	14.8	32.7	...	5.5	5.9	4.5	4.9	32
6.8	6.4	7.2	4,628	3,682	535	410	201.3	187.1	162.0	...	6.8	6.8	7.4	6.0	33
7.9	7.3	8.6	351	279	42	*30	15.3	14.2	12.7	...	7.9	8.0	7.7	*8.1	34
5.3	4.8	5.7	261	207	35	*19	11.4	10.5	10.5	...	5.3	5.3	5.2	*5.9	35
5.3	5.0	5.7	254	201	28	*26	11.1	10.2	8.3	...	5.3	5.4	6.0	*4.4	36
4.5	4.5	4.7	512	405	50	56	22.3	20.6	15.2	...	4.5	4.5	4.5	4.7	37
5.3	5.3	5.3	611	488	67	56	26.6	24.8	20.3	...	5.3	5.2	5.5	5.5	38
8.0	8.1	7.9	213	186	13	*14	9.2	9.4	3.9	...	8.0	8.0	9.1	*7.0	39
8.9	9.6	8.7	496	401	49	45	21.6	20.4	15.0	...	8.9	9.0	9.1	8.0	40
5.6	6.4	5.2	3,411	2,683	446	283	148.4	136.3	134.8	...	5.6	5.6	6.0	5.1	41
4.8	4.4	5.6	297	257	18	*23	12.9	13.0	5.3	...	4.8	4.7	6.6	*5.4	42
8.2	8.2	...	272	219	23	*31	11.8	11.1	6.9	...	8.2	8.2	10.1	*6.3	43
3.5	...	3.5	360	278	48	*34	15.7	14.1	14.6	...	3.5	3.6	3.0	*3.4	44
2.5	...	2.5	1,018	658	258	102	44.3	33.4	78.0	...	2.5	2.5	2.6	2.6	45
2.0	...	2.0	484	302	142	40	21.1	15.3	43.1	...	2.0	2.1	1.9	2.3	46
8.3	8.2	8.5	566	423	98	45	24.6	21.5	29.8	...	8.3	8.2	9.5	7.3	47
7.7	7.0	8.2	2,377	1,883	247	247	103.4	95.7	74.7	...	7.7	7.8	7.6	7.2	48
8.5	6.9	9.6	568	454	59	56	24.7	23.0	17.7	...	8.5	8.6	8.5	7.5	49
9.5	8.7	10.6	436	350	33	52	19.0	17.8	10.1	...	9.5	9.6	10.3	8.5	50
6.1	5.9	6.3	335	261	38	36	14.6	13.2	11.4	...	6.1	5.9	7.1	6.1	51
12.7	12.6	12.8	166	113	34	*19	7.2	5.7	10.3	...	12.7	11.9	15.5	*12.0	52
4.1	3.9	4.2	624	484	83	58	27.1	24.6	25.0	...	4.1	3.9	5.0	3.8	53
7.4	6.6	8.4	3,568	2,726	500	343	155.2	138.5	151.3	...	7.4	7.5	7.5	6.6	54
10.1	8.3	11.8	1,132	905	111	116	49.3	46.0	33.6	...	10.1	10.3	9.6	9.0	55
18.6	18.2	18.7	228	194	12	*21	9.9	9.9	3.6	...	18.6	18.6	19.8	*17.8	56
7.4	7.2	7.6	305	229	53	*24	13.3	11.6	15.9	...	7.4	7.4	8.2	*6.5	57
5.6	5.5	5.8	285	215	44	*26	12.4	10.9	13.2	...	5.6	5.6	6.5	*4.7	58
5.3	5.4	5.2	328	224	78	*26	14.3	11.4	23.6	...	5.3	5.4	5.4	*4.6	59
3.6	4.1	3.5	4,563	3,252	797	514	198.5	165.2	241.1	...	3.6	3.5	3.7	3.4	60
2.0	*	2.0	200	144	39	*17	8.7	7.3	11.9	...	2.0	1.9	2.3	*2.2	61
3.6	...	3.6	3,945	2,795	700	450	171.6	142.0	211.6	...	3.6	3.5	3.8	3.4	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, 1982

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

CATEGORY OF FIRST-LISTED DIAGNOSIS AND ICD-9-CM CODE		UNITED STATES	NORTH-EAST	NORTH CENTRAL	SOUTH	WEST
NUMBER OF PATIENTS DISCHARGED IN THOUSANDS						
01	ALL CONDITIONS.....	38,593	7,847	10,938	13,435	6,373
02	INFECTIOUS AND PARASITIC DISEASES.....001-139	695	131	180	285	99
03	NEOPLASMS.....140-239	2,594	659	749	740	445
04	MALIGNANT NEOPLASMS.....140-208,230-234	1,972	494	590	535	352
05	MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	319	80	89	97	53
06	MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	227	62	71	55	39
07	BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	622	165	159	205	93
08	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,161	241	321	430	169
09	DIABETES MELLITUS.....250	661	150	180	245	86
10	DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	367	91	96	128	52
11	ANEMIAS.....280-285	253	65	63	89	37
12	MENTAL DISORDERS.....290-319	1,746	456	562	484	244
13	PSYCHOSES.....290-299	574	155	169	156	94
14	NEUROTIC AND PERSONALITY DISORDERS.....300-301	285	41	99	114	32
15	ALCOHOL DEPENDENCE SYNDROME.....303	417	165	131	71	49
16	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,828	348	590	552	338
17	DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	429	77	134	146	71
18	CATARACT.....366	555	107	170	151	128
19	DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	345	70	116	112	46
20	DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,488	1,180	1,484	1,924	900
21	ESSENTIAL HYPERTENSION.....401	333	52	95	151	35
22	HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,477	771	926	1,208	571
23	ACUTE MYOCARDIAL INFARCTION.....410	681	174	173	224	110
24	ATHEROSCLEROTIC HEART DISEASE.....414.0	500	101	138	184	77
25	OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	822	187	221	274	140
26	CONGESTIVE HEART FAILURE.....428.0	439	105	120	148	66
27	CEREBROVASCULAR DISEASE.....430-438	834	178	225	287	144
28	DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,459	604	1,048	1,283	523
29	ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	459	74	143	194	48
30	CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	436	67	165	129	74
31	PNEUMONIA, ALL FORMS.....480-486	824	126	250	346	102
32	ASTHMA.....493	434	100	118	140	77
33	DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,628	950	1,281	1,725	672
34	ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	351	60	89	148	53
35	GASTRITIS AND DUODENITIS.....535	261	40	69	130	22
36	APPENDICITIS.....540-543	254	53	71	80	51
37	INGUINAL HERNIA.....550	512	141	140	143	88
38	NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	611	103	176	251	81
39	DIVERTICULA OF INTESTINE.....562	213	52	51	86	23
40	CHOLELITHIASIS.....574	496	102	141	173	80
41	DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,411	659	916	1,342	494
42	CALCULUS OF KIDNEY AND URETER.....592	297	53	78	122	43
43	HYPERPLASIA OF PROSTATE.....600	272	62	77	86	49
44	DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	360	86	95	141	39
45	COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	1,018	281	256	314	167
46	ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	484	183	96	134	71
47	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	566	129	158	194	85
48	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,377	389	775	765	448
49	ARTHROPATHIES AND RELATED DISORDERS.....710-719	568	95	190	170	113
50	INTERVERTEBRAL DISC DISORDERS.....722	436	68	137	138	92
51	CONGENITAL ANOMALIES.....740-759	335	58	102	108	67
52	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	166	22	43	65	36
53	SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	624	105	175	247	97
54	INJURY AND POISONING.....800-999	3,568	663	1,011	1,234	660
55	FRACTURES, ALL SITES.....800-829	1,132	228	320	357	227
56	FRACTURE OF NECK OF FEMUR.....820	228	47	73	63	44
57	SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	305	45	84	140	36
58	INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	285	76	78	87	43
59	LACERATIONS AND OPEN WOUNDS.....870-904	328	54	82	130	62
60	SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,563	881	1,193	1,614	876
61	PERSONS ADMITTED FOR STERILIZATION.....V25.2	200	44	44	86	26
62	FEMALES WITH DELIVERIES.....V27	3,945	739	1,033	1,407	766

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, 1982--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					
1,679.0	1,590.3	1,860.9	1,738.8	1,432.9	7.1	8.2	7.4	6.6	5.9	01
30.2	26.5	30.6	36.9	22.2	6.7	7.9	7.0	6.0	6.3	02
112.8	133.6	127.4	95.8	100.2	9.9	11.2	10.3	9.5	8.2	03
85.8	100.2	100.4	69.3	79.2	11.1	12.9	11.2	10.8	8.9	04
13.9	16.1	15.1	12.6	11.9	10.9	12.2	11.5	10.7	8.6	05
9.9	12.6	12.1	7.1	8.9	10.0	11.4	10.2	10.0	7.2	06
27.1	33.4	27.0	26.5	20.9	6.1	6.1	6.8	5.8	5.6	07
50.5	48.8	54.6	55.7	38.1	8.8	11.4	9.2	7.9	6.8	08
28.8	30.3	30.7	31.8	19.2	9.5	12.4	9.8	8.1	7.7	09
16.0	18.4	16.3	16.6	11.7	7.0	8.2	7.4	6.6	5.2	10
11.0	13.2	10.7	11.5	8.2	7.2	7.9	7.7	7.0	5.6	11
76.0	92.5	95.5	62.6	55.0	12.1	12.2	14.1	10.6	10.1	12
25.0	31.4	28.8	20.2	21.0	15.5	16.7	18.4	13.5	11.5	13
12.4	8.2	16.8	14.7	7.2	10.1	11.3	11.2	9.1	8.7	14
18.1	33.5	22.3	9.2	10.9	11.2	9.3	13.5	11.7	10.4	15
79.5	70.6	100.4	71.5	76.0	5.4	6.6	5.6	5.1	4.2	16
18.6	15.6	22.7	19.0	16.1	11.0	16.0	11.2	9.1	9.0	17
24.2	21.6	29.0	19.5	28.7	2.9	3.0	3.2	3.0	2.4	18
15.0	14.2	19.8	14.5	10.3	3.2	3.4	3.4	3.3	2.2	19
238.8	239.2	252.4	249.0	202.4	9.4	11.3	9.6	8.8	7.7	20
14.5	10.5	16.1	19.6	7.9	6.4	7.5	6.8	5.9	6.3	21
151.2	156.2	157.6	156.4	128.5	8.9	10.7	9.2	8.6	6.9	22
29.6	35.2	29.5	29.0	24.7	11.2	12.8	11.5	11.0	8.8	23
21.7	20.5	23.5	23.8	17.2	8.8	10.7	9.0	8.9	5.8	24
35.8	37.9	37.6	35.5	31.5	7.1	8.3	7.6	6.7	5.6	25
19.1	21.2	20.4	19.1	14.9	10.1	12.4	10.4	9.2	8.0	26
36.3	36.0	38.3	37.1	32.4	12.2	15.4	12.9	10.8	10.0	27
150.5	122.3	178.3	166.1	117.7	6.2	7.0	6.0	6.3	5.5	28
20.0	15.0	24.3	25.2	10.7	4.8	5.0	5.1	4.8	4.1	29
19.0	13.7	28.0	16.7	16.7	1.9	1.9	1.9	2.1	1.5	30
35.9	25.6	42.6	44.8	22.9	8.0	9.5	7.9	7.7	7.5	31
18.9	20.2	20.1	18.1	17.2	5.5	6.1	5.4	5.4	4.7	32
201.3	192.6	217.9	223.2	151.0	6.8	7.7	7.0	6.4	6.1	33
15.3	12.2	15.2	19.2	11.9	7.9	10.7	7.8	7.0	7.8	34
11.4	8.1	11.7	16.8	4.9	5.3	5.6	5.6	5.3	4.1	35
11.1	10.7	12.0	10.4	11.4	5.3	5.8	5.3	5.5	4.5	36
22.3	28.6	23.8	18.5	19.7	4.5	4.3	4.8	4.9	3.8	37
26.6	20.8	29.9	32.5	18.3	5.3	5.8	5.9	4.9	4.6	38
9.2	10.5	8.7	11.2	5.1	8.0	9.6	7.7	7.1	8.3	39
21.6	20.6	24.0	22.4	18.0	8.9	10.9	8.8	8.6	7.4	40
148.4	133.6	155.9	173.6	111.1	5.6	5.6	6.0	5.5	5.1	41
12.9	10.8	13.3	15.8	9.6	4.8	5.2	5.3	4.5	4.6	42
11.8	12.5	13.0	11.1	10.9	8.2	9.4	8.3	8.2	6.4	43
15.7	17.4	16.1	18.2	8.8	3.5	2.5	3.9	3.9	3.3	44
44.3	57.0	43.5	40.7	37.6	2.5	2.4	2.7	2.5	2.5	45
21.1	37.1	16.3	17.3	16.1	2.0	1.8	2.3	2.1	2.1	46
24.6	26.1	26.9	25.2	19.0	8.3	9.2	8.4	7.9	7.8	47
103.4	78.7	131.8	99.0	100.8	7.7	9.1	8.0	7.3	6.9	48
24.7	19.3	32.4	21.9	25.5	8.5	8.9	9.1	7.9	7.9	49
19.0	13.9	23.3	17.9	20.8	9.5	11.8	9.7	9.2	7.9	50
14.6	11.8	17.3	14.0	15.0	6.1	6.1	6.5	6.0	5.7	51
7.2	4.4	7.3	8.4	8.2	12.7	13.9	12.5	13.3	11.0	52
27.1	21.3	29.8	32.0	21.7	4.1	4.2	4.2	4.1	3.6	53
155.2	134.4	172.1	159.7	148.5	7.4	8.9	7.5	7.2	6.1	54
49.3	46.2	54.4	46.2	50.9	10.1	12.7	10.5	9.5	7.7	55
9.9	9.6	12.4	8.2	10.0	18.6	23.0	18.7	17.9	14.5	56
13.3	9.2	14.3	18.2	8.0	7.4	8.8	7.1	7.3	7.0	57
12.4	15.5	13.3	11.3	9.7	5.6	6.4	5.3	6.2	3.8	58
14.3	10.8	14.0	16.8	14.0	5.3	5.9	4.9	5.6	4.8	59
198.5	178.5	202.9	208.8	196.9	3.6	4.1	3.9	3.4	2.8	60
8.7	8.8	7.6	11.2	5.8	2.0	2.3	1.9	2.1	1.4	61
171.6	149.8	175.7	182.0	172.2	3.6	4.2	3.9	3.4	2.8	62

TABLE 12. NUMBER OF PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY CATEGORY OF FIRST-LISTED DIAGNOSIS AND BED SIZE OF HOSPITAL: UNITED STATES, 1982

(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.....	38,593	6,836	6,738	6,366	9,547	9,106														
INFECTIOUS AND PARASITIC DISEASES.....001-139	695	130	146	101	161	156														
NEOPLASMS.....140-239	2,594	244	339	397	758	857														
MALIGNANT NEOPLASMS.....140-208,230-234	1,972	178	243	296	594	661														
MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197,0,197.3	319	34	36	43	99	106														
MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	227	20	29	33	69	77														
BENIGN NEOPLASMS AND NDEOPLASMS OF CERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	622	66	95	101	164	196														
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	1,161	237	196	212	277	239														
DIABETES MELLITUS.....250	661	135	112	126	160	127														
DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	367	72	61	57	90	86														
ANEMIAS.....280-285	253	50	41	38	65	60														
MENTAL DISORDERS.....290-319	1,746	340	316	205	504	381														
PSYCHOSES.....290-299	574	61	108	61	189	154														
NEUROTIC AND PERSONALITY DISORDERS.....300-301	285	69	43	41	67	65														
ALCOHOL DEPENDENCE SYNDROME.....303	417	125	79	38	115	59														
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	1,828	202	306	327	499	495														
DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	429	56	67	71	103	131														
CATARACT.....366	555	37	121	113	156	130														
DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	345	53	55	62	96	78														
DISEASES OF THE CIRCULATORY SYSTEM.....390-459	5,488	1,014	929	998	1,339	1,207														
ESSENTIAL HYPERTENSION.....401	333	79	64	59	64	67														
HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	3,477	650	585	635	836	770														
ACUTE MYOCARDIAL INFARCTION.....410	681	133	116	121	165	146														
ATHEROSCLEROTIC HEART DISEASE.....414.0	500	64	72	101	132	130														
OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	822	146	131	147	199	199														
CONGESTIVE HEART FAILURE.....428.0	439	118	81	76	89	75														
CEREBROVASCULAR DISEASE.....430-438	834	158	143	160	203	170														
DISEASES OF THE RESPIRATORY SYSTEM.....460-519	3,459	853	651	609	766	580														
ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	459	133	112	71	82	60														
CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	436	66	82	100	112	75														
PNEUMONIA, ALL FORMS.....480-486	824	254	155	135	165	114														
ASTHMA.....493	434	83	81	73	102	94														
DISEASES OF THE DIGESTIVE SYSTEM.....520-579	4,628	995	842	785	1,092	914														
ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	351	84	64	63	83	56														
GASTRITIS AND DUODENITIS.....535	261	86	49	49	47	31														
APPENDICITIS.....540-543	254	54	49	44	60	48														
INGUINAL HERNIA.....550	512	80	98	88	134	111														
NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	611	165	124	107	119	96														
DIVERTICULA OF INTESTINE.....562	213	51	39	41	51	31														
CHOLELITHIASIS.....574	496	103	88	75	125	106														
DISEASES OF THE GENITOURINARY SYSTEM.....580-629	3,411	563	685	534	826	803														
CALCULUS OF KIDNEY AND URETER.....592	297	56	50	44	81	66														
HYPERPLASIA OF PROSTATE.....600	272	33	52	49	73	65														
DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	360	56	89	49	82	84														
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	1,018	140	202	140	240	295														
ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	484	58	96	57	117	155														
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	566	117	97	91	139	123														
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	2,377	409	387	399	609	573														
ARTHROPATHIES AND RELATED DISORDERS.....710-719	568	76	74	99	165	154														
INTERVERTEBRAL DISC DISORDERS.....722	436	53	71	82	108	122														
CONGENITAL ANOMALIES.....740-759	335	26	67	50	77	116														
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	166	14	23	28	35	66														
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	624	119	96	106	161	142														
INJURY AND POISONING.....800-999	3,568	691	606	631	848	793														
FRACTURES, ALL SITES.....800-829	1,132	178	187	216	284	267														
FRACTURE OF NECK OF FEMUR.....820	228	31	35	43	61	58														
SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	305	93	53	60	57	42														
INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	285	59	51	51	66	57														
LACERATIONS AND OPEN WOUNDS.....870-904	328	61	52	52	75	88														
SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	4,563	673	788	696	1,126	1,280														
PERSONS ADMITTED FOR STERILIZATION.....V25.2	200	46	48	30	35	41														
FEMALES WITH DELIVERIES.....V27	3,945	580	682	605	984	1,093														

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, 1982

(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.....	7.1	5.7	6.5	7.1	7.5	8.0														
INFECTIOUS AND PARASITIC DISEASES.....001-139	6.7	5.1	5.6	5.9	7.8	8.2														
NEOPLASMS.....140-239	9.9	8.2	9.6	10.0	10.0	10.5														
MALIGNANT NEOPLASMS.....140-208,230-234	11.1	9.4	11.1	11.2	11.1	11.7														
MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	10.9	7.5	10.9	10.9	11.2	11.8														
MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	10.0	7.8	9.2	9.6	9.3	11.6														
BENIGN NEOPLASMS AND NDEOPLASMS OF CERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	6.1	5.0	5.8	6.5	6.0	6.6														
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	8.8	6.7	8.0	8.9	9.8	10.3														
DIABETES MELLITUS.....250	9.5	7.3	8.4	9.6	10.6	11.2														
DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	7.0	6.0	6.9	7.6	6.3	8.3														
ANEMIAS.....280-285	7.2	6.5	7.5	8.3	6.4	7.7														
MENTAL DISORDERS.....290-319	12.1	8.3	13.1	10.6	12.2	15.4														
PSYCHOSES.....290-299	15.5	10.9	14.0	13.3	15.3	19.4														
NEUROTIC AND PERSONALITY DISORDERS.....300-301	10.1	7.9	8.1	8.0	10.8	14.4														
ALCOHOL DEPENDENCE SYNDROME.....303	11.2	8.9	16.1	13.3	10.1	10.1														
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	5.4	4.9	4.1	5.0	5.3	6.6														
DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	11.0	8.7	7.8	10.5	11.8	13.2														
CATARACT.....366	2.9	2.8	2.9	2.7	2.9	3.2														
DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	3.2	3.3	3.1	3.4	2.8	3.6														
DISEASES OF THE CIRCULATORY SYSTEM.....390-459	9.4	7.3	9.0	9.6	9.9	10.7														
ESSENTIAL HYPERTENSION.....401	6.4	5.0	6.2	7.1	6.9	7.3														
HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	8.9	7.1	8.5	9.0	9.4	10.2														
ACUTE MYOCARDIAL INFARCTION.....410	11.2	8.8	10.8	11.3	11.9	13.0														
ATHEROSCLEROTIC HEART DISEASE.....414.0	8.8	7.4	8.2	9.0	9.0	9.5														
OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	7.1	5.6	6.3	6.8	7.6	8.4														
CONGESTIVE HEART FAILURE.....428.0	10.1	8.1	9.9	10.8	11.2	11.4														
CEREBROVASCULAR DISEASE.....430-438	12.2	8.7	11.9	12.2	12.7	15.1														
DISEASES OF THE RESPIRATORY SYSTEM.....460-519	6.2	5.9	5.9	6.4	6.6	6.5														
ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	4.8	4.7	4.7	5.1	4.9	4.9														
CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	1.9	1.9	1.9	1.9	1.8	1.9														
PNEUMONIA, ALL FORMS.....480-486	8.0	7.0	7.7	8.4	9.1	8.7														
ASTHMA.....493	5.5	5.2	5.3	5.7	5.8	5.2														
DISEASES OF THE DIGESTIVE SYSTEM.....520-579	6.8	5.5	6.3	7.2	7.4	7.6														
ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	7.9	6.3	7.8	8.2	9.1	8.5														
GASTRITIS AND DUODENITIS.....535	5.3	4.4	5.5	5.7	5.9	6.1														
APPENDICITIS.....540-543	5.3	5.3	4.8	5.2	5.2	6.2														
INGUINAL HERNIA.....550	4.5	4.5	4.0	5.2	4.5	4.4														
NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	5.3	4.0	4.8	5.6	6.1	6.8														
DIVERTICULA OF INTESTINE.....562	8.0	6.3	8.0	8.5	8.5	9.2														
CHOLELITHIASIS.....574	8.9	7.4	8.6	9.8	9.3	9.6														
DISEASES OF THE GENITOURINARY SYSTEM.....580-629	5.6	4.9	5.2	5.9	5.9	5.9														
CALCULUS OF KIDNEY AND URETER.....592	4.8	3.5	4.3	5.1	5.5	5.4														
HYPERPLASIA OF PROSTATE.....600	8.2	7.3	7.7	8.6	8.2	8.6														
DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	3.5	3.0	3.2	3.8	3.8	3.7														
COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	2.5	2.2	2.3	2.6	2.6	2.7														
ABORTIONS AND ECTOPIC AND MOLAR PREGNANCIES.....630-639	2.0	2.1	2.1	2.2	2.0	1.9														
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE.....680-709	8.3	6.5	8.4	8.8	9.0	8.9														
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	7.7	6.1	7.1	7.2	8.5	8.8														
ARTHROPATHIES AND RELATED DISORDERS.....710-719	8.5	6.7	8.6	7.3	9.2	9.2														
INTERVERTEBRAL DISC DISORDERS.....722	9.5	8.3	8.6	9.3	9.9	10.4														
CONGENITAL ANOMALIES.....740-759	6.1	4.2	6.2	5.6	6.5	6.4														
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	12.7	4.3	10.2	10.6	14.1	15.4														
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	4.1	3.3	3.9	3.9	4.2	4.7														
INJURY AND POISONING.....800-999	7.4	5.3	6.3	7.5	8.1	9.2														
FRACTURES, ALL SITES.....800-829	10.1	8.2	8.3	9.7	11.1	11.8														
FRACTURE OF NECK OF FEMUR.....820	18.6	16.1	17.5	17.9	19.2	20.4														
SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	7.4	6.4	6.9	8.0	8.3	8.3														
INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	5.6	3.0	4.0	5.4	5.2	10.7														
LACERATIONS AND OPEN WOUNDS.....870-904	5.3	4.0	4.5	5.4	5.6	6.4														
SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	3.6	3.0	3.3	3.4	3.7	4.0														
PERSONS ADMITTED FOR STERILIZATION.....V25.2	2.0	2.2	1.8	1.7	2.1	2.2														
FEMALES WITH DELIVERIES.....V27	3.6	3.0	3.4	3.4	3.8	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, 1982

(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.....	97,721	6,496	32,412	22,908	35,905
02 INFECTIOUS AND PARASITIC DISEASES.....001-139	1,737	377	534	322	503
03 NEOPLASMS.....140-239	4,434	95	797	1,507	2,035
04 MALIGNANT NEOPLASMS.....140-208,230-234	3,205	56	289	1,108	1,752
05 MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG.....162,197.0,197.3	457	*	22	197	237
06 MALIGNANT NEOPLASM OF BREAST.....174-175,198.81	281	*	33	121	126
07 BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE.....210-229,235-239	1,229	39	508	399	283
08 ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS.....240-279	5,584	252	989	1,789	2,553
09 DIABETES MELLITUS.....250	2,562	28	361	881	1,292
10 DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS.....280-289	1,662	159	446	325	731
11 ANEMIAS.....280-285	1,291	86	349	241	615
12 MENTAL DISORDERS.....290-319	4,373	111	2,021	1,145	1,096
13 PSYCHOSES.....290-299	1,021	10	419	266	327
14 NEUROTIC AND PERSONALITY DISORDERS.....300-301	976	21	496	280	180
15 ALCOHOL DEPENDENCE SYNDROME.....303	818	2	416	300	100
16 DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS.....320-389	4,140	623	765	935	1,817
17 DISEASES OF THE CENTRAL NERVOUS SYSTEM.....320-336,340-349	1,316	106	299	297	614
18 CATARACT.....366	659	*5	24	122	508
19 DISEASES OF THE EAR AND MASTOID PROCESS.....380-389	811	406	124	124	157
20 DISEASES OF THE CIRCULATORY SYSTEM.....390-459	18,346	118	1,315	5,167 <sup>f</sup>	11,745
21 ESSENTIAL HYPERTENSION.....401	2,383	10	263	878	1,232
22 HEART DISEASE.....391-392.0,393-398,402,404,410-416,420-429	11,149	78	588	3,084	7,399
23 ACUTE MYOCARDIAL INFARCTION.....410	785	*	47	288	449
24 ATHEROSCLEROTIC HEART DISEASE.....414.0	1,965	*	36	459	1,466
25 OTHER ISCHEMIC HEART DISEASE.....411-413,414.1-414.9	2,694	*5	147	1,068	1,474
26 CONGESTIVE HEART FAILURE.....428.0	1,451	15	27	234	1,176
27 CEREBROVASCULAR DISEASE.....430-438	1,847	10	58	364	1,415
28 DISEASES OF THE RESPIRATORY SYSTEM.....460-519	6,993	1,474	1,363	1,571	2,586
29 ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.....460-466	831	367	175	128	161
30 CHRONIC DISEASE OF TONSILS AND ADENOIDS.....474	534	353	173	*5	*
31 PNEUMONIA, ALL FORMS.....480-486	1,274	357	182	215	520
32 ASTHMA.....493	664	191	155	167	151
33 DISEASES OF THE DIGESTIVE SYSTEM.....520-579	9,035	648	2,486	2,575	3,325
34 ULCERS OF THE STOMACH AND SMALL INTESTINE.....531-534	618	*5	131	207	275
35 GASTRITIS AND DUODENITIS.....535	641	24	221	208	188
36 APPENDICITIS.....540-543	299	70	177	33	18
37 INGUINAL HERNIA.....550	613	99	143	180	191
38 NONINFECTIOUS ENTERITIS AND COLITIS.....555-556,558	854	250	268	134	203
39 DIVERTICULA OF INTESTINE.....562	606	*	25	163	417
40 CHOLELITHIASIS.....574	760	*	223	231	303
41 DISEASES OF THE GENITOURINARY SYSTEM.....580-629	7,733	279	3,347	1,837	2,271
42 CALCULUS OF KIDNEY AND URETER.....592	383	*	176	127	77
43 HYPERPLASIA OF PROSTATE.....600	511	-	*5	143	363
44 DISORDERS OF MENSTRUATION AND OTHER ABNORMAL VAGINAL BLEEDING.....626	526	*	409	112	*
45 COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.....1/ 630-676	6,175	26	6,139	10	...
46 ABORTIONS AND ECTOPIC AND MCLAR PREGNANCIES.....630-639	512	*	504	*	...
47 DISEASES OF THE SKIN AND SUBCUTANEDUS TISSUE.....680-709	1,320	128	426	344	422
48 DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.....710-739	5,548	120	1,578	1,689	2,161
49 ARTHROPATHIES AND RELATED DISORDERS.....710-719	1,946	32	347	499	1,068
50 INTERVERTEBRAL DISC DISORDERS.....722	575	*	256	217	101
51 CONGENITAL ANOMALIES.....740-759	785	329	209	129	118
52 CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD.....760-779	386	376	*	*8	*
53 SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS.....780-799	4,956	525	1,331	1,326	1,774
54 INJURY AND POISONING.....800-999	6,448	671	3,150	1,213	1,414
55 FRACTURES, ALL SITES.....800-829	1,658	190	647	297	524
56 FRACTURE OF NECK OF FEMUR.....820	256	*	10	30	212
57 SPRAINS AND STRAINS OF BACK (INCLUDING NECK).....846-847	482	*6	306	117	53
58 INTRACRANIAL INJURIES (EXCLUDING THOSE WITH SKULL FRACTURE).....850-854	370	83	202	41	45
59 LACERATIONS AND OPEN WOUNDS.....870-904	705	81	446	97	81
60 SUPPLEMENTARY CLASSIFICATIONS.....V01-V82	8,068	185	5,514	1,014	1,355
61 PERSONS ADMITTED FOR STERILIZATION.....V25.2	630	-	622	*8	*
62 FEMALES WITH DELIVERIES.....V27	3,945	13	3,928	*4	...

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, 1982--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.														
38,924	58,796	76,646	12,575	8,500	20,009	27,819	33,896	15,996	18,025	17,653	15,958	24,010	22,075	01
758	978	1,302	306	129	338	470	677	253	304	346	266	398	423	02
1,885	2,549	3,602	483	348	1,089	1,296	1,304	745	494	646	688	1,271	1,336	03
1,563	1,642	2,647	308	250	792	967	874	571	342	435	487	951	989	04
282	175	381	47	*29	117	125	140	75	53	58	63	139	145	05
*	279	236	22	*23	75	88	68	49	27	38	44	85	87	06
322	907	955	176	98	297	329	429	174	152	210	201	320	347	07
2,101	3,483	4,378	775	431	1,169	1,662	1,948	804	1,140	1,022	961	1,344	1,117	08
1,046	1,516	1,961	397	204	612	724	879	347	482	447	468	640	525	09
632	1,030	1,177	365	120	381	426	576	279	296	275	249	436	406	10
446	846	878	318	95	306	326	452	207	235	210	193	338	314	11
2,127	2,246	3,315	609	449	973	1,386	1,303	711	863	819	590	1,183	918	12
458	562	783	148	90	250	295	296	179	146	181	137	313	244	13
334	641	802	98	76	151	324	363	138	221	179	139	237	199	14
621	198	528	160	130	273	252	159	135	192	159	93	234	140	15
1,897	2,243	3,291	445	404	839	1,305	1,264	732	586	728	703	1,099	1,024	16
625	691	1,050	147	119	262	398	438	218	210	225	221	328	331	17
250	409	536	45	78	129	202	179	149	55	140	126	185	153	18
413	398	645	85	81	156	271	274	109	135	154	145	203	174	19
8,774	9,572	15,086	1,842	1,417	4,231	5,002	6,243	2,870	3,503	3,317	3,254	4,505	3,766	20
955	1,428	1,783	410	190	518	690	835	340	483	437	382	571	509	21
5,544	5,606	9,354	973	823	2,680	2,979	3,721	1,770	2,093	2,019	2,744	2,744	2,293	22
475	310	671	53	62	202	204	252	128	151	133	140	193	169	23
961	1,003	1,698	125	142	523	568	608	266	330	345	387	507	397	24
1,500	1,195	2,318	192	184	629	696	929	441	483	473	471	665	602	25
653	799	1,176	162	114	349	393	486	223	365	250	268	318	251	26
841	1,006	1,493	192	162	407	514	643	283	389	328	344	434	352	27
3,620	3,373	5,640	756	596	1,272	2,077	2,560	1,084	1,687	1,349	1,180	1,569	1,207	28
391	439	653	104	74	139	257	338	96	229	200	132	162	108	29
227	306	417	47	69	81	195	163	94	80	102	120	139	92	30
661	613	1,000	167	107	207	371	519	177	386	242	202	258	187	31
279	386	465	143	57	148	181	211	124	137	131	107	153	137	32
4,032	5,002	7,271	1,020	744	1,809	2,528	3,403	1,295	1,924	1,686	1,528	2,121	1,777	33
313	306	498	70	51	111	161	251	96	153	115	113	140	97	34
277	364	510	87	44	103	172	297	69	189	129	120	120	83	35
161	138	237	33	*29	61	81	98	58	63	58	51	70	57	36
546	67	488	61	65	166	170	172	106	99	117	107	159	131	37
352	502	686	91	77	148	249	345	113	237	169	142	172	135	38
213	393	522	43	41	135	162	246	63	142	105	107	149	103	39
218	542	619	76	64	168	213	263	115	153	136	121	185	165	40
2,391	5,342	6,111	1,023	599	1,457	2,119	3,056	1,102	1,319	1,553	1,255	1,855	1,750	41
242	141	329	26	*28	71	103	155	55	70	65	58	104	86	42
511	...	410	50	52	115	148	163	86	76	100	96	131	108	43
...	526	409	72	45	115	137	212	62	84	127	69	127	120	44
...	6,175	4,275	1,222	678	1,222	1,611	2,143	1,198	876	1,059	912	1,541	1,786	45
...	512	321	149	42	190	101	142	79	62	100	63	123	164	46
611	709	1,019	197	104	299	379	453	189	272	235	202	318	292	47
2,092	3,456	4,445	582	521	958	1,796	1,854	940	1,183	1,031	884	1,308	1,142	48
691	1,256	1,584	187	175	343	623	663	318	423	344	309	476	394	49
296	279	462	46	67	94	180	185	116	85	98	106	140	147	50
391	394	611	94	80	137	244	260	145	82	149	117	190	246	51
223	163	256	85	45	51	111	144	80	18	49	63	93	164	52
2,296	2,660	3,874	668	414	908	1,379	1,844	825	1,040	866	803	1,186	1,060	53
3,571	2,877	4,973	872	603	1,244	1,839	2,173	1,192	1,228	1,155	1,104	1,538	1,423	54
865	793	1,329	165	164	337	474	520	327	259	272	305	422	400	55
67	189	217	14	*24	54	82	72	48	36	39	48	70	64	56
214	268	351	93	39	87	131	206	58	137	100	90	92	63	57
228	142	282	55	*33	101	99	115	56	76	73	63	88	71	58
499	206	515	134	56	133	179	258	135	132	115	112	167	178	59
1,524	6,544	6,020	1,230	818	1,633	2,190	2,693	1,552	1,211	1,368	1,197	2,054	2,238	60
*9	621	434	131	66	117	141	285	87	128	137	99	123	143	61
...	3,945	2,795	700	450	739	1,033	1,407	766	580	682	605	984	1,093	62

TABLE 15. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND AGE: UNITED STATES, 1982

(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.....	34,632	2,219	15,296	8,368	8,750
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	859	139	286	254	180
SPINAL TAP.....03.31	255	98	67	45	45
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	229	*9	97	82	41
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	109	*	46	37	22
OPERATIONS ON THE EYE.....08-16	1,402	64	128	289	922
EXTRACTION OF LENS.....13.1-13.6	599	*6	21	114	458
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	418	*	*5	75	337
OPERATIONS ON THE EAR.....18-20	332	184	73	47	27
MYRINGOTOMY.....20.0	163	144	11	*5	*
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,492	424	732	215	120
RHINOPLASTY AND REPAIR OF NOSE.....21.8	250	10	191	39	10
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	438	269	163	*5	*
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	921	51	177	340	354
BRONCHOSCOPY.....33.21-33.23	207	11	30	80	87
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	1,749	106	229	723	691
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	243	15	23	130	74
DIRECT HEART REVASCULARIZATION.....36.1	170	*	14	105	50
CARDIAC CATHETERIZATION.....37.21-37.23	471	33	61	262	114
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	202	*	*6	34	161
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	362	27	81	104	149
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,790	294	2,078	1,630	1,789
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	249	*9	58	87	95
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	240	*	34	76	127
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	611	*7	140	173	290
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	277	65	170	28	14
HEMORRHOIDECTOMY.....49.43-49.46	165	-	80	63	22
CHOLECYSTECTOMY.....51.2	493	*	186	166	138
REPAIR OF INGUINAL HERNIA.....53.0-53.1	549	93	139	167	150
OTHER HERNIA REPAIR.....53.2-53.9	214	19	57	77	61
LAPAROSCOPY.....54.21	281	*	258	17	*
DIVISION OF PERITONEAL ADHESIONS.....54.5	286	*	177	59	48
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,901	113	448	548	792
ENDOSCOPIES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	841	42	155	243	401
DILATION OF URETHRA.....58.6	184	18	51	46	69
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	850	117	128	209	396
PROSTATECTOMY.....60.2-60.6	358	...	*	96	261
CIRCUMCISION.....64.0	90	46	22	14	*7
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	4,023	13	3,006	736	268
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	500	*	301	153	45
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	602	-	595	*6	*
HYSTERECTOMY.....68.3-68.7	650	*	410	181	58
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	106	*	105	*	...
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	275	*	272	*	...
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	741	*	493	200	47
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	154	-	54	55	45
OBSTETRICAL PROCEDURES.....72-75	3,945	16	3,925	*	...
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	414	*	412	*	...
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,618	*6	1,611	*	...
CESAREAN SECTION.....74.0-74.2,74.4,74.99	730	*	727	*	...
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	449	*	447	-	...
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,583	253	1,664	928	738
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	434	30	195	79	130
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	256	64	99	45	48
ARTHROSCOPY.....80.2	262	11	177	54	20
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	227	*5	120	85	16
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	151	*	97	38	13
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	137	*	69	25	39
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	148	*	*8	38	102
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	420	44	207	118	51
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,862	126	810	555	370
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	129	*	60	45	24
MASTECTOMY.....85.4	111	*	16	52	42
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	5,454	288	1,485	1,750	1,931
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	600	44	150	158	248
CONTRAST MYELOGRAM.....87.21	341	*	178	123	38
PYELOGRAM.....87.73-87.75	464	18	153	136	156
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	740	17	101	368	254
DIAGNOSTIC ULTRASOUND.....88.7	561	22	198	149	192
RADIOISOTOPE SCAN.....92.0-92.1	641	12	123	208	297

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, 1982

(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.....	15,066.4	4,320.1	14,261.4	18,831.9	32,620.3
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	373.8	270.1	267.1	572.5	670.0
SPINAL TAP.....03.31	110.9	191.2	62.2	101.1	167.8
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	99.7	*17.1	90.3	184.7	154.6
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	47.5	*	42.5	83.7	82.0
OPERATIONS ON THE EYE.....08-16	609.8	124.0	119.1	649.7	3,435.9
EXTRACTION OF LENS.....13.1-13.6	260.6	*11.4	19.4	256.9	1,707.7
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	182.0	*	*6.7	169.3	1,257.2
OPERATIONS ON THE EAR.....18-20	144.4	358.3	68.2	106.6	101.9
MYRINGOTOMY.....20.0	70.7	279.9	10.5	*10.2	*
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	649.0	826.3	682.4	484.6	449.1
RHINOPLASTY AND REPAIR OF NOSE.....21.8	108.9	18.8	178.1	88.8	37.7
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	190.7	523.3	151.6	*11.2	*
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	400.7	98.5	165.0	764.1	1,320.2
BRONCHOSCOPY.....33.21-33.23	90.2	20.8	27.7	180.3	324.1
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	760.8	205.4	213.8	1,626.3	2,577.3
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	105.6	29.6	21.2	293.4	277.5
DIRECT HEART REVASCULARIZATION.....36.1	74.0	*	13.1	237.3	186.6
CARDIAC CATHETERIZATION.....37.21-37.23	204.7	64.9	57.0	590.1	424.5
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	87.7	*	*5.1	75.8	600.0
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	157.3	52.5	75.3	235.0	557.1
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	2,519.0	572.1	1,937.5	3,667.4	6,669.0
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	108.4	*18.3	54.4	195.5	352.6
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	104.3	*	31.3	170.4	472.8
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	265.7	*14.2	130.9	389.5	1,081.3
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	120.3	126.8	158.1	62.7	52.5
HEMORRHOIDECTOMY.....49.43-49.46	71.7	-	74.6	141.7	81.6
CHOLECYSTECTOMY.....51.2	214.3	*	173.8	374.0	514.2
REPAIR OF INGUINAL HERNIA.....53.0-53.1	238.9	181.9	129.8	375.1	559.0
OTHER HERNIA REPAIR.....53.2-53.9	93.2	36.7	53.0	174.0	228.4
LAPAROSCOPY.....54.21	122.2	*	240.3	39.3	*
DIVISION OF PERITONEAL ADHESIONS.....54.5	124.6	*	165.1	133.6	177.5
OPERATIONS ON THE URINARY SYSTEM.....55-59	826.9	220.0	417.9	1,233.1	2,951.6
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	366.0	81.8	144.7	547.8	1,493.8
DILATION OF URETHRA.....58.6	80.1	34.2	47.8	103.9	257.9
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	369.8	228.4	119.5	469.7	1,475.7
PROSTATECTOMY.....60.2-60.6	155.9	...	*	216.3	974.8
CIRCUMCISION.....64.0	39.3	90.2	20.7	32.4	*27.6
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	1,750.0	25.4	2,802.5	1,655.7	999.1
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	217.6	*	280.2	343.8	169.0
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	261.8	-	555.0	*14.1	*
HYSTERECTOMY.....68.3-68.7	282.8	*	382.5	408.4	216.6
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	46.3	*	97.8	*	...
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	119.5	*	253.5	*	...
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	322.3	*	459.7	450.2	176.2
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	67.1	-	50.4	124.2	167.4
OBSTETRICAL PROCEDURES.....72-75	1,716.2	32.0	3,659.2	*	...
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	179.9	*	384.6	*	...
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	703.9	*11.1	1,502.2	*	...
CESAREAN SECTION.....74.0-74.2,74.4,74.99	317.7	*	677.4	*	...
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	195.4	*	416.7	-	...
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	1,558.6	492.3	1,551.2	2,088.8	2,751.4
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	189.0	58.6	182.0	178.5	484.1
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	111.5	125.2	92.3	102.1	177.2
ARTHROSCOPY.....80.2	114.1	20.7	165.4	121.4	75.7
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	98.6	*9.7	112.2	190.8	61.5
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	65.5	*	90.5	86.6	46.9
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	59.6	*	64.5	55.2	145.7
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	64.3	*	*7.1	84.7	380.3
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	182.7	86.0	193.4	264.6	189.0
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	810.0	246.2	755.7	1,248.4	1,380.2
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	56.2	*	56.1	101.1	87.9
MASTECTOMY.....85.4	48.3	*	14.7	116.7	158.2
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	2,372.5	559.9	1,384.4	3,938.0	7,199.4
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	260.9	84.8	139.8	355.6	925.3
CONTRAST MYELOGRAM.....87.21	148.5	*	165.6	275.9	141.1
PYELOGRAM.....87.73-87.75	201.9	36.0	142.6	306.5	583.0
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	321.8	33.4	94.0	828.4	945.7
DIAGNOSTIC ULTRASOUND.....88.7	244.1	42.2	184.4	335.8	717.1
RADIOISOTOPE SCAN.....92.0-92.1	278.7	23.7	114.9	468.3	1,107.3

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, 1982

(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.....	34,632	13,331	21,302
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	859	436	424
SPINAL TAP.....03.31	255	136	119
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	229	98	131
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	109	31	79
OPERATIONS ON THE EYE.....08-16	1,402	565	837
EXTRACTION OF LENS.....13.1-13.6	599	230	369
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	418	158	261
OPERATIONS ON THE EAR.....18-20	332	178	153
MYRINGOTOMY.....20.0	163	95	68
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,492	709	783
RHINOPLASTY AND REPAIR OF NOSE.....21.8	250	117	133
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	438	179	259
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	921	554	367
BRONCHOSCOPY.....33.21-33.23	207	127	81
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	1,749	1,051	697
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	243	168	75
DIRECT HEART REVASCULARIZATION.....36.1	170	125	45
CARDIAC CATHETERIZATION.....37.21-37.23	471	309	161
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	202	102	100
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	362	182	179
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,790	2,544	3,246
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	249	115	134
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	240	113	127
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	611	265	346
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	277	146	131
HEMORRHOIDECTOMY.....49.43-49.46	165	82	83
CHOLECYSTECTOMY.....51.2	493	132	361
REPAIR OF INGUINAL HERNIA.....53.0-53.1	549	489	60
OTHER HERNIA REPAIR.....53.2-53.9	214	77	137
LAPAROSCOPY.....54.21	281	*	277
DIVISION OF PERITONEAL ADHESIONS.....54.5	286	40	246
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,901	1,098	802
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	841	552	289
DILATION OF URETHRA.....58.6	184	90	94
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	850	850	...
PROSTATECTOMY.....60.2-60.6	358	358	...
CIRCUMCISION.....64.0	90	90	...
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	4,023	...	4,023
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	500	...	500
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	602	...	602
HYSTERECTOMY.....68.3-68.7	650	...	650
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	106	...	106
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	275	...	275
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	741	...	741
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	154	...	154
OBSTETRICAL PROCEDURES.....72-75	3,945	...	3,945
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	414	...	414
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,618	...	1,618
CESAREAN SECTION.....74.0-74.2,74.4,74.99	730	...	730
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	449	...	449
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,583	1,814	1,769
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	434	240	195
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	256	145	112
ARTHROSCOPY.....80.2	262	165	97
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	227	126	101
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	151	106	45
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	137	74	63
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	148	46	101
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	420	227	193
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,862	722	1,140
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	129	*6	123
MASTECTOMY.....85.4	111	*6	105
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	5,454	2,597	2,857
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	600	289	311
CONTRAST MYELOGRAM.....87.21	341	187	154
PYELOGRAM.....87.73-87.75	464	235	229
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	740	456	284
DIAGNOSTIC ULTRASOUND.....88.7	561	204	357
RADIOISOTOPE SCAN.....92.0-92.1	641	284	357

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, 1982

(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.....	15,066.4	12,012.4	17,916.9
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	373.8	392.6	356.3
SPINAL TAP.....03.31	110.9	122.6	99.9
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	99.7	88.3	110.4
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	47.5	27.5	66.2
OPERATIONS ON THE EYE.....08-16	609.8	509.1	703.9
EXTRACTION OF LENS.....13.1-13.6	260.6	207.1	310.5
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	182.0	142.0	219.3
OPERATIONS ON THE EAR.....18-20	144.4	160.8	129.1
MYRINGOTOMY.....20.0	70.7	85.4	57.0
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	649.0	638.6	658.8
RHINOPLASTY AND REPAIR OF NOSE.....21.8	108.9	105.3	112.2
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	190.7	161.5	217.9
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	400.7	498.9	309.1
BRONCHOSCOPY.....33.21-33.23	90.2	114.0	68.0
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	760.8	947.5	586.5
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	105.6	151.4	62.9
DIRECT HEART REVASCULARIZATION.....36.1	74.0	112.9	37.7
CARDIAC CATHETERIZATION.....37.21-37.23	204.7	278.7	135.7
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	87.7	91.6	84.1
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	157.3	164.2	150.9
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	2,519.0	2,292.7	2,730.2
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	108.4	103.4	113.0
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	104.3	101.7	106.7
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	265.7	238.8	290.9
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	120.3	131.4	110.0
HEMORRHOIDECTOMY.....49.43-49.46	71.7	74.0	69.7
CHOLECYSTECTOMY.....51.2	214.3	118.8	303.4
REPAIR OF INGUINAL HERNIA.....53.0-53.1	238.9	440.9	50.4
OTHER HERNIA REPAIR.....53.2-53.9	93.2	69.6	115.3
LAPAROSCOPY.....54.21	122.2	*	232.7
DIVISION OF PERITONEAL ADHESIONS.....54.5	124.6	36.1	207.3
OPERATIONS ON THE URINARY SYSTEM.....55-59	826.9	989.7	675.0
ENDOSCOPIES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	366.0	497.5	243.3
DILATION OF URETHRA.....58.6	80.1	81.5	78.9
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	369.8	766.0	...
PROSTATECTOMY.....60.2-60.6	155.9	322.9	...
CIRCUMCISION.....64.0	39.3	81.4	...
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	1,750.0	...	3,383.4
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	217.6	...	420.7
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	261.8	...	506.1
HYSTERECTOMY.....68.3-68.7	282.8	...	546.7
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	46.3	...	89.5
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	119.5	...	231.1
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	322.3	...	623.2
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	67.1	...	129.7
OBSTETRICAL PROCEDURES.....72-75	1,716.2	...	3,318.0
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	179.9	...	347.9
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	703.9	...	1,361.0
CESAREAN SECTION.....74.0-74.2,74.4,74.99	317.7	...	614.3
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	195.4	...	377.8
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	1,558.6	1,634.2	1,488.1
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	189.0	216.2	163.6
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	111.5	130.4	93.8
ARTHROSCOPY.....80.2	114.1	149.0	81.5
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	98.6	113.3	84.8
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	65.5	95.3	37.7
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	59.6	66.6	53.1
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	64.3	41.8	85.3
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	182.7	204.3	162.5
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	810.0	650.7	958.7
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	56.2	*5.4	103.7
MASTECTOMY.....85.4	48.3	*5.3	88.4
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	2,372.5	2,340.0	2,402.8
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	260.9	260.4	261.4
CONTRAST MYELOGRAM.....87.21	148.5	168.9	129.5
PYELOGRAM.....87.73-87.75	201.9	212.1	192.3
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	321.8	410.9	238.7
DIAGNOSTIC ULTRASOUND.....88.7	244.1	184.2	300.0
RADIOISOTOPE SCAN.....92.0-92.1	278.7	255.6	300.2

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

TABLE 19. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND RACE: UNITED STATES, 1982

(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.....	34,632	27,317	4,302	3,013					
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	859	665	119	75					
SPINAL TAP.....03.31	255	180	60	*15					
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	229	183	22	*24					
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	109	83	15	*11					
OPERATIONS ON THE EYE.....08-16	1,402	1,143	96	163					
EXTRACTION OF LENS.....13.1-13.6	599	489	37	73					
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	418	350	19	50					
OPERATIONS ON THE EAR.....18-20	332	266	26	40					
MYRINGOTOMY.....20.0	163	132	12	*19					
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,492	1,195	127	170					
RHINOPLASTY AND REPAIR OF NOSE.....21.8	250	211	11	*28					
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	438	341	39	58					
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	921	747	117	57					
BRONCHOSCOPY.....33.21-33.23	207	169	26	*12					
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	1,749	1,456	183	109					
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	243	218	12	*13					
DIRECT HEART REVASCULARIZATION.....36.1	170	157	*7	*7					
CARDIAC CATHETERIZATION.....37.21-37.23	471	408	42	*20					
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	202	175	13	*13					
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	362	284	49	*29					
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,790	4,649	675	466					
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	249	207	25	*17					
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	240	198	22	*19					
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	611	512	60	39					
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	277	220	29	*28					
HEMORRHOIDECTOMY.....49.43-49.46	165	133	17	*15					
CHOLECYSTECTOMY.....51.2	493	400	49	43					
REPAIR OF INGUINAL HERNIA.....53.0-53.1	549	437	53	60					
OTHER HERNIA REPAIR.....53.2-53.9	214	162	32	*21					
LAPAROSCOPY.....54.21	281	209	50	*22					
DIVISION OF PERITONEAL ADHESIONS.....54.5	286	226	40	*21					
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,901	1,572	211	118					
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	841	704	90	47					
DILATION OF URETHRA.....58.6	184	149	24	*11					
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	850	674	105	71					
PROSTATECTOMY.....60.2-60.6	358	289	32	37					
CIRCUMCISION.....64.0	90	54	31	*5					
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	4,023	3,024	647	351					
DOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	500	400	57	43					
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	602	412	129	61					
HYSTERECTOMY.....68.3-68.7	650	519	74	58					
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	106	43	55	*8					
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	275	197	53	*24					
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	741	557	123	61					
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	154	130	*8	*15					
OBSTETRICAL PROCEDURES.....72-75	3,945	2,882	612	450					
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	414	322	46	46					
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,618	1,212	222	184					
CESAREAN SECTION.....74.0-74.2,74.4,74.99	730	521	129	80					
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	449	323	80	46					
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,583	2,793	398	392					
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	434	351	41	42					
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	256	195	27	*34					
ARTHROSCOPY.....80.2	262	200	24	39					
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	227	185	14	*27					
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	151	115	13	*22					
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	137	107	10	*20					
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	148	127	10	*12					
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	420	326	55	40					
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,862	1,460	246	155					
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	129	101	17	*11					
MASTECTOMY.....85.4	111	91	11	*9					
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	5,454	4,424	676	354					
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	600	476	75	49					
CONTRAST MYELOGRAM.....87.21	341	277	26	38					
PYELOGRAM.....87.73-87.75	464	387	53	*24					
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	740	632	61	46					
DIAGNOSTIC ULTRASOUND.....88.7	561	431	101	*30					
RADIOISOTOPE SCAN.....92.0-92.1	641	521	92	*27					

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



TABLE 20. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND GEOGRAPHIC REGION: UNITED STATES, 1982

(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.....	34,632	7,514	10,239	10,972	5,908
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	859	167	270	258	163
SPINAL TAP.....03.31	255	59	71	84	40
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	229	37	86	59	48
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	109	20	29	41	20
OPERATIONS ON THE EYE.....08-16	1,402	241	454	390	318
EXTRACTION OF LENS.....13.1-13.6	599	110	186	163	140
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	418	60	133	121	104
OPERATIONS ON THE EAR.....18-20	332	67	122	94	50
MYRINGOTOMY.....20.0	163	35	54	50	24
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,492	313	551	394	234
RHINOPLASTY AND REPAIR OF NOSE.....21.8	250	45	105	57	43
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	438	65	162	130	83
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	921	205	272	277	166
BRONCHOSCOPY.....33.21-33.23	207	43	59	78	29
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	1,749	297	528	552	372
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	243	33	72	84	54
DIRECT HEART REVASCULARIZATION.....36.1	170	23	53	57	37
CARDIAC CATHETERIZATION.....37.21-37.23	471	66	142	176	86
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	202	46	54	70	32
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	362	83	116	107	55
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,790	1,264	1,627	1,996	903
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	249	61	60	104	24
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	240	60	57	69	54
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	611	163	155	236	57
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	277	53	77	87	60
HEMORRHOIDECTOMY.....49.43-49.46	165	29	50	62	24
CHOLECYSTECTOMY.....51.2	493	103	137	169	84
REPAIR OF INGUINAL HERNIA.....53.0-53.1	549	151	151	154	93
OTHER HERNIA REPAIR.....53.2-53.9	214	45	62	72	36
LAPAROSCOPY.....54.21	281	57	85	90	49
DIVISION OF PERITONEAL ADHESIONS.....54.5	286	43	85	114	45
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,901	385	606	674	236
ENDOSCOPIES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	841	197	280	291	74
DILATION OF URETHRA.....58.6	184	28	63	85	*8
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	850	188	246	284	131
PROSTATECTOMY.....60.2-60.6	358	79	102	109	68
CIRCUMCISION.....64.0	90	17	24	43	*6
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	4,023	936	1,008	1,478	600
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	500	78	139	195	88
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	602	112	133	272	84
HYSTERECTOMY.....68.3-68.7	650	98	168	268	116
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	106	68	10	14	14
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	275	80	71	86	37
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	741	241	191	240	69
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	154	23	41	55	36
OBSTETRICAL PROCEDURES.....72-75	3,945	736	1,127	1,350	732
EPISIDIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	414	65	94	198	57
EPISIDIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,618	324	476	492	327
CESAREAN SECTION.....74.0-74.2,74.4,74.99	730	141	166	289	135
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	449	70	115	163	100
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,583	603	1,183	1,041	756
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	434	85	119	130	100
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	256	50	78	79	49
ARTHROSCOPY.....80.2	262	51	80	65	67
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	227	27	70	80	49
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	151	27	46	42	34
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	137	14	54	36	34
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	148	25	54	41	28
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	420	67	136	136	82
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,862	395	536	628	302
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	129	33	35	50	11
MASTECTOMY.....85.4	111	30	28	33	20
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	5,454	1,613	1,564	1,407	870
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	600	215	139	132	114
CONTRAST MYELOGRAM.....87.21	341	54	106	109	72
PYELOGRAM.....87.73-87.75	464	126	131	154	53
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	740	113	235	241	150
DIAGNOSTIC ULTRASOUND.....88.7	561	220	152	112	77
RADIOISOTOPE SCAN.....92.0-92.1	641	296	138	116	91

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, 1982

(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	RATE OF ALL-LISTED PROCEDURES PER 100,000 POPULATION				
	UNITED STATES	NORTH-EAST	NORTH-CENTRAL	SOUTH	WEST
ALL PROCEDURES.....	15,066.4	15,227.3	17,419.6	14,200.2	13,282.9
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	373.8	338.7	460.0	334.5	367.1
SPINAL TAP.....03-31	110.9	120.6	120.4	109.0	90.7
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	99.7	74.1	145.8	76.6	107.3
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	47.5	39.6	48.5	52.8	45.7
OPERATIONS ON THE EYE.....08-16	609.8	487.5	771.6	504.2	715.3
EXTRACTION OF LENS.....13.1-13.6	260.6	223.6	316.5	211.0	313.8
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	182.0	122.1	226.6	156.3	234.3
OPERATIONS ON THE EAR.....18-20	144.4	134.9	207.2	121.4	112.0
MYRINGOTOMY.....20.0	70.7	71.2	91.1	64.4	54.3
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	649.0	634.6	937.0	510.2	525.9
RHINOPLASTY AND REPAIR OF NOSE.....21.8	108.9	91.5	179.3	73.5	96.4
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	190.7	131.0	274.8	167.8	185.5
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	400.7	415.8	463.4	359.1	373.6
BRONCHOSCOPY.....33.21-33.23	90.2	86.1	99.8	100.4	64.4
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	760.8	601.5	898.4	713.9	837.1
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	105.6	66.7	123.3	108.5	120.4
DIRECT HEART REVASCULARIZATION.....36.1	74.0	46.3	90.2	74.2	83.0
CARDIAC CATHETERIZATION.....37.21-37.23	204.7	133.2	241.6	228.2	194.4
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	87.7	93.4	91.6	90.3	71.9
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	157.3	169.0	197.8	138.8	122.9
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	2,519.0	2,562.0	2,768.9	2,583.4	2,029.4
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	108.4	123.6	101.6	134.7	54.8
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	104.3	121.4	96.1	89.2	122.4
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	265.7	329.4	264.3	304.9	129.0
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	120.3	106.9	131.2	112.5	134.4
HEMORRHOIDECTOMY.....49.43-49.46	71.7	59.6	85.6	79.7	53.1
CHOLECYSTECTOMY.....51.2	214.3	208.7	232.4	218.8	188.5
REPAIR OF INGUINAL HERNIA.....53.0-53.1	238.9	306.0	256.4	199.3	210.2
OTHER HERNIA REPAIR.....53.2-53.9	93.2	91.0	105.1	92.7	80.8
LAPAROSCOPY.....54.21	122.2	115.6	144.0	116.9	109.8
DIVISION OF PERITONEAL ADHESIONS.....54.5	124.6	86.2	144.1	147.3	102.2
OPERATIONS ON THE URINARY SYSTEM.....55-59	826.9	780.4	1,031.3	871.9	530.1
ENDOSCOPIES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	366.0	398.5	477.0	376.2	165.5
DILATION OF URETHRA.....58.6	80.1	56.2	107.5	110.2	*18.2
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	369.8	382.0	418.9	368.1	294.5
PROSTATECTOMY.....60.2-60.6	155.9	161.0	174.2	140.8	152.2
CIRCUMCISION.....64.0	39.3	34.8	40.2	56.3	*13.8
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	1,750.0	1,897.1	1,714.5	1,913.4	1,349.7
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	217.6	157.9	236.2	252.4	198.8
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	261.8	226.2	226.9	352.3	189.9
HYSTERECTOMY.....68.3-68.7	282.8	197.9	286.6	347.3	259.8
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	46.3	136.8	17.3	18.6	32.3
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	119.5	162.3	120.7	111.6	84.2
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	322.3	487.5	325.5	310.7	155.0
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	67.1	45.7	69.3	71.1	80.9
OBSTETRICAL PROCEDURES.....72-75	1,716.2	1,492.5	1,916.7	1,747.4	1,644.9
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	179.9	131.9	159.2	256.1	128.2
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	703.9	656.5	809.3	636.7	734.2
CESAREAN SECTION.....74.0-74.2,74.4,74.99	317.7	285.5	281.6	373.9	303.6
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	195.4	141.5	196.4	211.6	225.8
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	1,558.6	1,222.2	2,011.9	1,347.9	1,699.2
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	189.0	171.7	203.1	168.2	225.7
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	111.5	102.2	132.0	101.9	111.3
ARTHROSCOPY.....80.2	114.1	102.4	136.9	83.8	149.7
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	98.6	55.6	119.9	102.9	110.5
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	65.5	55.3	79.1	54.8	77.4
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	59.6	28.3	91.0	46.6	75.5
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	64.3	50.7	91.6	53.0	62.7
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	182.7	135.7	231.1	175.4	183.3
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	810.0	800.8	912.4	812.7	680.1
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	56.2	67.8	59.8	64.5	24.3
MASTECTOMY.....85.4	48.3	60.7	47.7	43.2	44.2
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	2,372.5	3,269.0	2,660.9	1,820.6	1,955.5
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	260.9	436.2	236.6	170.5	255.7
CONTRAST MYELOGRAM.....87.21	148.5	109.7	180.3	140.8	163.0
PYELOGRAM.....87.73-87.75	201.9	256.2	222.8	198.8	119.3
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	321.8	229.0	400.3	312.2	337.7
DIAGNOSTIC ULTRASOUND.....88.7	244.1	446.2	258.5	144.6	173.7
RADIOISOTOPE SCAN.....92.0-92.1	278.7	600.5	234.0	149.8	204.7

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

TABLE 22. NUMBER OF ALL-LISTED PROCEDURES FOR PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS, BY PROCEDURE CATEGORY AND BED SIZE OF HOSPITAL: UNITED STATES, 1982

(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.....	34,632	3,820	5,769	5,786	9,169	10,088
OPERATIONS ON THE NERVOUS SYSTEM.....01-05	859	55	115	137	228	324
SPINAL TAP.....03.31	255	16	38	32	62	107
OPERATIONS ON THE CRANIAL AND PERIPHERAL NERVES.....04.0,04.2-04.9	229	25	36	38	71	59
OPERATIONS ON THE ENDOCRINE SYSTEM.....06-07	109	*9	*8	20	33	39
OPERATIONS ON THE EYE.....08-16	1,402	117	277	245	403	360
EXTRACTION OF LENS.....13.1-13.6	599	44	126	119	170	140
INSERTION OF PROSTHETIC LENS (PSEUDOPHAKOS).....13.7	418	31	97	76	122	93
OPERATIONS ON THE EAR.....18-20	332	16	56	76	101	83
MYRINGOTOMY.....20.0	163	*8	30	38	51	35
OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX.....21-29	1,492	194	256	289	410	343
RHINOPLASTY AND REPAIR OF NOSE.....21.8	250	39	37	48	69	58
TONSILLECTOMY WITH OR WITHOUT ADENOIDECTOMY.....28.2-28.3	438	70	82	95	112	79
OPERATIONS ON THE RESPIRATORY SYSTEM.....30-34	921	50	140	164	254	313
BRONCHOSCOPY.....33.21-33.23	207	10	30	36	64	67
OPERATIONS ON THE CARDIOVASCULAR SYSTEM.....35-39	1,749	46	171	298	501	732
OPEN HEART SURGERY.....35.1-35.51,35.53-36.2,36.9,37.10-37.11,37.32-37.33,37.5	243	*	13	33	62	134
DIRECT HEART REVASCULARIZATION.....36.1	170	-	*9	20	44	97
CARDIAC CATHETERIZATION.....37.21-37.23	471	-	35	74	125	237
PACEMAKER INSERTION, REPLACEMENT, REMOVAL, AND REPAIR.....37.7-37.8	202	10	33	44	54	61
OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM.....40-41	362	28	50	55	99	130
OPERATIONS ON THE DIGESTIVE SYSTEM.....42-54	5,790	788	1,005	1,038	1,446	1,513
ESOPHAGOSCOPY AND GASTROSCOPY (NATURAL ORIFICE).....42.23,44.13	249	22	36	64	66	62
PARTIAL GASTRECTOMY AND RESECTION OF INTESTINE.....43.5-43.8,45.6-45.8	240	27	39	37	68	69
ENDOSCOPY OF LARGE INTESTINE (NATURAL ORIFICE).....45.24	611	75	96	130	154	156
APPENDECTOMY, EXCLUDING INCIDENTAL.....47.0	277	58	52	50	64	53
HEMORRHOIDECTOMY.....49.43-49.46	165	30	28	30	42	36
CHOLECYSTECTOMY.....51.2	493	86	91	76	129	110
REPAIR OF INGUINAL HERNIA.....53.0-53.1	549	85	105	98	143	119
OTHER HERNIA REPAIR.....53.2-53.9	214	33	41	42	55	43
LAPAROSCOPY.....54.21	281	36	56	52	58	79
DIVISION OF PERITONEAL ADHESIONS.....54.5	286	32	62	49	64	80
OPERATIONS ON THE URINARY SYSTEM.....55-59	1,901	219	340	347	520	475
ENDOSCOPES THROUGH NATURAL ORIFICE.....55.21-55.22,56.31,57.32,58.22	841	94	150	153	226	218
DILATION OF URETHRA.....58.6	184	28	43	36	41	36
OPERATIONS ON THE MALE GENITAL ORGANS.....60-64	850	91	159	152	230	218
PROSTATECTOMY.....60.2-60.6	358	32	70	72	98	85
CIRCUMCISION.....64.0	90	18	16	14	20	23
OPERATIONS ON THE FEMALE GENITAL ORGANS.....65-71	4,023	543	826	617	976	1,061
OOPHORECTOMY AND SALPINGO-OOPHORECTOMY.....65.3-65.6	500	65	104	85	125	121
BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES.....66.2-66.3	602	122	126	95	120	138
HYSTERECTOMY.....68.3-68.7	650	72	141	106	166	165
CURETTAGE OF UTERUS TO TERMINATE PREGNANCY.....69.01,69.51	106	*8	18	*9	22	51
DILATION AND CURETTAGE OF UTERUS AFTER DELIVERY OR ABORTION.....69.02	275	35	60	40	70	70
DIAGNOSTIC DILATION AND CURETTAGE OF UTERUS.....69.09	741	109	137	108	187	200
REPAIR OF CYSTOCELE AND RECTOCELE.....70.5	154	20	33	27	43	32
OBSTETRICAL PROCEDURES.....72-75	3,945	515	617	570	1,050	1,191
EPISIOTOMY WITH FORCEPS AND VACUUM EXTRACTION.....72.1,72.21,72.31,72.71	414	33	98	58	117	108
EPISIOTOMY WITHOUT FORCEPS AND VACUUM EXTRACTION.....73.6	1,618	252	259	247	419	441
CESAREAN SECTION.....74.0-74.2,74.4,74.99	730	84	136	104	193	213
REPAIR OF CURRENT OBSTETRIC LACERATION.....75.5-75.6	449	81	61	65	117	125
OPERATIONS ON THE MUSCULOSKELETAL SYSTEM.....76-84	3,583	504	607	615	941	916
OPEN REDUCTION OF FRACTURE.....76.72,76.74,76.76-76.77,76.79,79.2-79.3,79.5-79.6	434	49	72	80	116	116
OTHER REDUCTION OF FRACTURE.....76.70,76.71,76.73,76.75,76.78,79.0-79.1,79.4	256	46	41	46	69	54
ARTHROSCOPY.....80.2	262	18	41	62	80	62
EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC AND SPINAL FUSION.....80.5,81.0	227	10	35	36	62	84
EXCISION OF SEMILUNAR CARTILAGE OF KNEE.....80.6	151	14	26	35	40	35
ARTHROPLASTY AND REPLACEMENT OF KNEE.....81.41-81.47	137	*9	18	25	43	43
ARTHROPLASTY AND REPLACEMENT OF HIP.....81.5,81.6	148	13	20	27	42	46
OPERATIONS ON MUSCLES, TENDONS, FASCIA, AND BURSA.....82-83.1,83.3-83.9	420	66	76	67	113	98
OPERATIONS ON THE INTEGUMENTARY SYSTEM.....85-86	1,862	306	315	306	474	461
EXCISION OR DESTRUCTION OF BREAST TISSUE (PARTIAL MASTECTOMY).....85.20-85.23	129	18	23	23	34	31
MASTECTOMY.....85.4	111	12	18	16	32	33
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES.....87-99	5,454	339	826	856	1,503	1,930
COMPUTERIZED AXIAL TOMOGRAPHY (C.A.T. SCAN).....87.03,87.41,87.71,88.01,88.38	600	16	93	98	158	234
CONTRAST MYELOGRAM.....87.21	341	13	48	66	96	119
PYELOGRAM.....87.73-87.75	464	43	90	74	120	136
ARTERIOGRAPHY AND ANGIOCARDIOGRAPHY USING CONTRAST MATERIAL.....88.4-88.5	740	*7	56	154	205	317
DIAGNOSTIC ULTRASOUND.....88.7	561	33	87	67	165	209
RADIOISOTOPE SCAN.....92.0-92.1	641	35	158	68	192	187

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

# Appendixes

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# Appendix I

## Technical notes on methods

### Statistical design of the National Hospital Discharge Survey

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

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

The original universe for the survey consisted of 6,965 short-stay hospitals contained in the 1963 MFI. This universe is periodically updated (table I). The distribution of the hospitals in the NHDS universe and sample for 1982 is given by bed size and geographic regions in table II.

**Table I. Number of hospitals in the National Hospital Discharge Survey (NHDS) universe and number of hospitals added to the NHDS universe, by year of addition and year of Master Facility Inventory (MFI) used: United States, 1963–79**

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

The sample for 1982 consisted of 550 hospitals. Of these, 71 refused to participate, and 53 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 426 hospitals participated in the survey during 1982 and provided approximately 214,000 abstracts of medical records.

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

graphic 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 either by the hospital staff or by 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.

Table II. Distribution of short-stay hospitals in the National Hospital Discharge Survey universe and survey sample and number of hospitals that participated in the survey, by geographic region and bed size of hospital: United States, 1982

Bed size of hospital	All regions	Northeast	North Central	South	West
All sizes					
Universe . . . . .	8,080	1,185	2,156	3,236	1,503
Total sample . . . . .	550	132	155	180	83
Number participating . . . . .	426	104	121	138	63
6-49 beds					
Universe . . . . .	3,537	223	901	1,679	734
Total sample . . . . .	70	8	18	30	14
Number participating . . . . .	45	6	12	19	8
50-99 beds					
Universe . . . . .	1,918	301	487	751	379
Total sample . . . . .	81	14	20	33	14
Number participating . . . . .	60	9	15	26	10
100-199 beds					
Universe . . . . .	1,427	298	414	491	224
Total sample . . . . .	124	26	34	45	19
Number participating . . . . .	95	22	28	29	16
200-299 beds					
Universe . . . . .	632	196	168	169	99
Total sample . . . . .	100	31	28	25	16
Number participating . . . . .	78	25	22	19	12
300-499 beds					
Universe . . . . .	413	113	135	112	53
Total sample . . . . .	99	25	33	29	12
Number participating . . . . .	82	20	26	27	9
500-999 beds					
Universe . . . . .	135	45	48	29	13
Total sample . . . . .	58	19	19	13	7
Number participating . . . . .	49	14	15	13	7
1,000 beds or more					
Universe . . . . .	18	9	3	5	1
Total sample . . . . .	18	9	3	5	1
Number participating . . . . .	17	8	3	5	1

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

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

National Hospital Discharge Survey 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 was frequently 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),

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 . . .   -   -     
Month Day Year

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

6. Residence ZIP code

**B. PATIENT CHARACTERISTICS**

7. Date of birth   -   -         
Month Day Year

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

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

10. Race   
 White  Black  American Indian/Alaskan Native  Asian/Pacific Islander  Other (Specify) \_\_\_\_\_   
 Not stated

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

12. Marital status (Mark (X) one)   
 Married  Single  Widowed  Divorced  Separated  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"/>
		5. Other government payments ..... <input type="checkbox"/>	<input type="checkbox"/>
Private sources	{	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"/>
<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

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

Both the ICDA and the ICD-9-CM are divided into two main sections: diseases and injuries, and surgical and nonsurgical procedures. However, many differences exist between the two classifications. These differences are discussed in a previous report.<sup>8</sup>

The NHDS follows the guidelines of the Uniform Hospital Discharge Data Set (UHDDS) for coding procedures.<sup>9,10</sup> The UHDDS is a minimum data set of items uniformly defined and abstracted from hospital medical records. These items were selected on the basis of their continuous usefulness to organizations and agencies requiring hospital inpatient information.

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

## Presentation of estimates

*Grouping of diagnoses and procedures*—In this report the diagnostic 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 service. The diagnostic categories, the most detailed groupings of diseases and injuries shown, are subsets of the major groups or chapters. The titles and the ordering of the categories in the tabular list developed for the NHDS follow the format of the ICD-9-CM tabular list as closely as possible.

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

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

*Patient characteristics not stated*—The age and sex of the patient were not stated on the hospital records (the face sheet of the patient's medical record) for about one-half of 1 percent of the discharges. Imputations of these missing

items were made by assigning the patient an age or sex consistent with the age or sex of other patients with the same diagnostic code.

During 1982, 9.2 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

**Table III. Civilian population by sex, age, geographic region, and race: United States, July 1, 1982**

[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 . . . . .	229,865	110,974	118,891
Northeast . . . . .	49,344	23,532	25,812
North Central . . . . .	58,777	28,508	30,269
South . . . . .	77,268	37,140	40,128
West . . . . .	44,475	21,793	22,683
White . . . . .	196,811	95,396	101,414
All other . . . . .	33,054	15,577	17,477
0-14 years . . . . .	51,352	26,261	25,093
Under 1 year . . . . .	3,642	1,864	1,778
1-4 years . . . . .	13,730	7,023	6,708
5-14 years . . . . .	33,980	17,375	16,607
Northeast . . . . .	10,041	5,135	4,907
North Central . . . . .	13,343	6,831	6,513
South . . . . .	17,735	9,064	8,673
West . . . . .	10,232	5,232	5,000
White . . . . .	41,994	21,534	20,460
All other . . . . .	9,359	4,728	4,632
15-44 years . . . . .	107,253	52,825	54,427
15-24 years . . . . .	40,648	20,217	20,432
25-34 years . . . . .	38,753	19,035	19,718
35-44 years . . . . .	27,852	13,575	14,278
Northeast . . . . .	22,678	11,084	11,594
North Central . . . . .	27,273	13,523	13,750
South . . . . .	35,843	17,524	18,320
West . . . . .	21,457	10,694	10,763
White . . . . .	91,215	45,300	45,917
All other . . . . .	16,037	7,525	8,510
45-64 years . . . . .	44,435	21,109	23,326
45-54 years . . . . .	22,342	10,789	11,553
55-64 years . . . . .	22,093	10,320	11,773
Northeast . . . . .	10,337	4,860	5,477
North Central . . . . .	11,178	5,355	5,821
South . . . . .	14,730	6,928	7,802
West . . . . .	8,191	3,965	4,226
White . . . . .	39,308	18,818	20,492
All other . . . . .	5,127	2,293	2,834
65 years and over . . . . .	26,824	10,778	16,046
65-74 years . . . . .	16,134	7,004	9,131
75 years and over . . . . .	10,688	3,774	6,914
Northeast . . . . .	6,289	2,444	3,844
North Central . . . . .	6,982	2,792	4,191
South . . . . .	8,957	3,628	5,329
West . . . . .	4,596	1,914	2,682
White . . . . .	24,293	9,747	14,547
All other . . . . .	2,531	1,031	1,499

NOTE: A list of references follows the text.



1982 only 0.15 percent of the records had a missing 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 are usually hospitalized in short-stay hospitals. This is especially true for elderly residents of nursing homes. A report comparing NHDS rates based on the civilian population with the civilian noninstitutionalized population is currently being prepared.

### 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>11,12</sup>

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

The Institute of Medicine (IOM) has conducted three studies on the reliability of hospital abstract data collection; the most recent study was on the 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>13-15</sup>

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

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

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

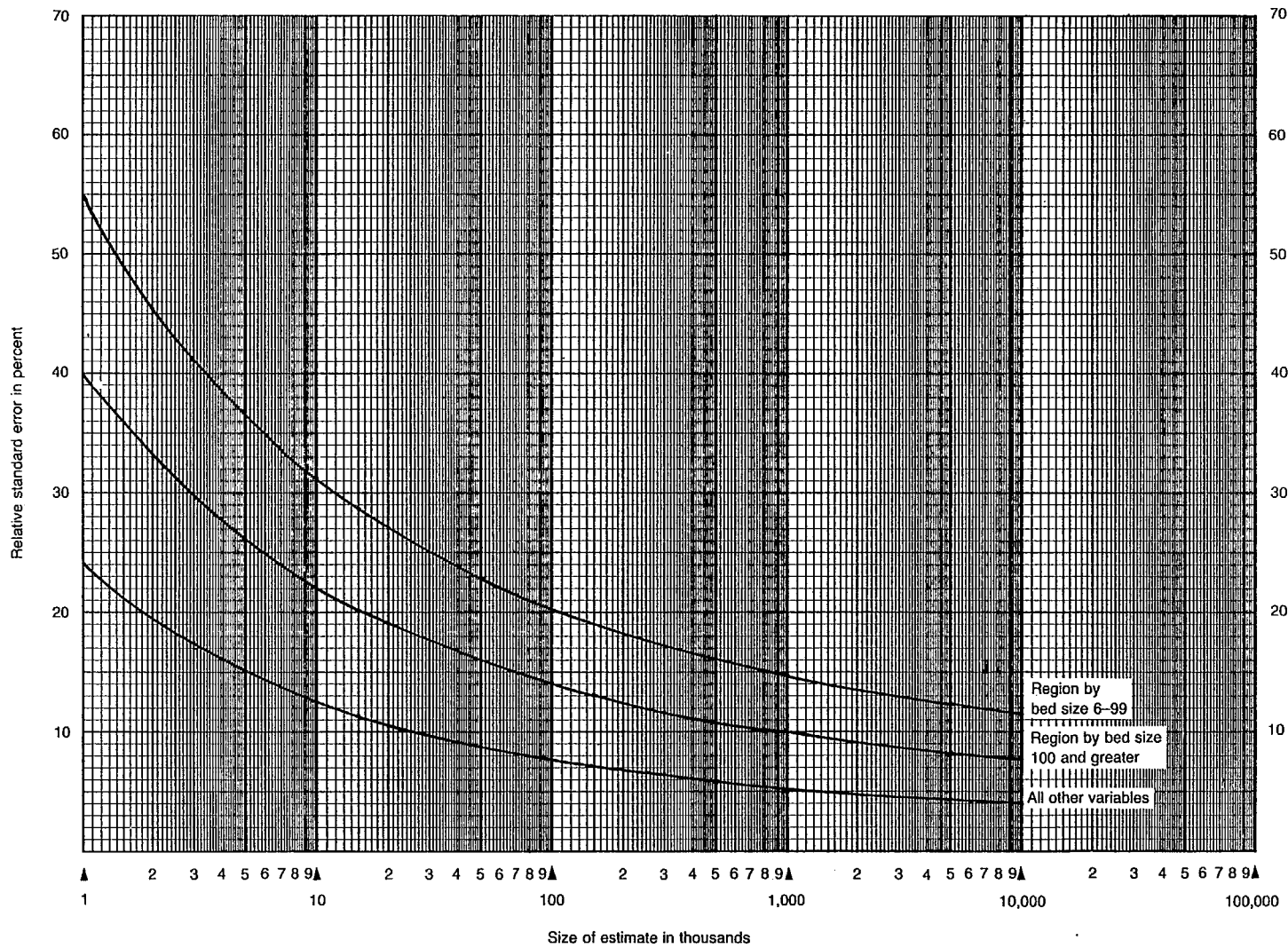
Approximate relative standard errors and standard errors have been prepared for measuring the variances applicable to: (1) estimates of the discharges or first-listed diagnoses, and days of care for patient characteristics (for example, age, sex, race) and of hospital characteristics (for example, region,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

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

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

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

NOTE: A list of references follows the text.



EXAMPLE: As shown in table 4, an estimated 1,984,000 patients 15-44 years of age were discharged from short-stay non-Federal hospitals with 100-499 beds in the Northeast Region. The relative standard error of this estimate, as read from the curve "Region by bed size 100 and greater" is approximately 8.8 percent. The standard error is thus approximately 174,592 (8.8 percent of 1,984,000).

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

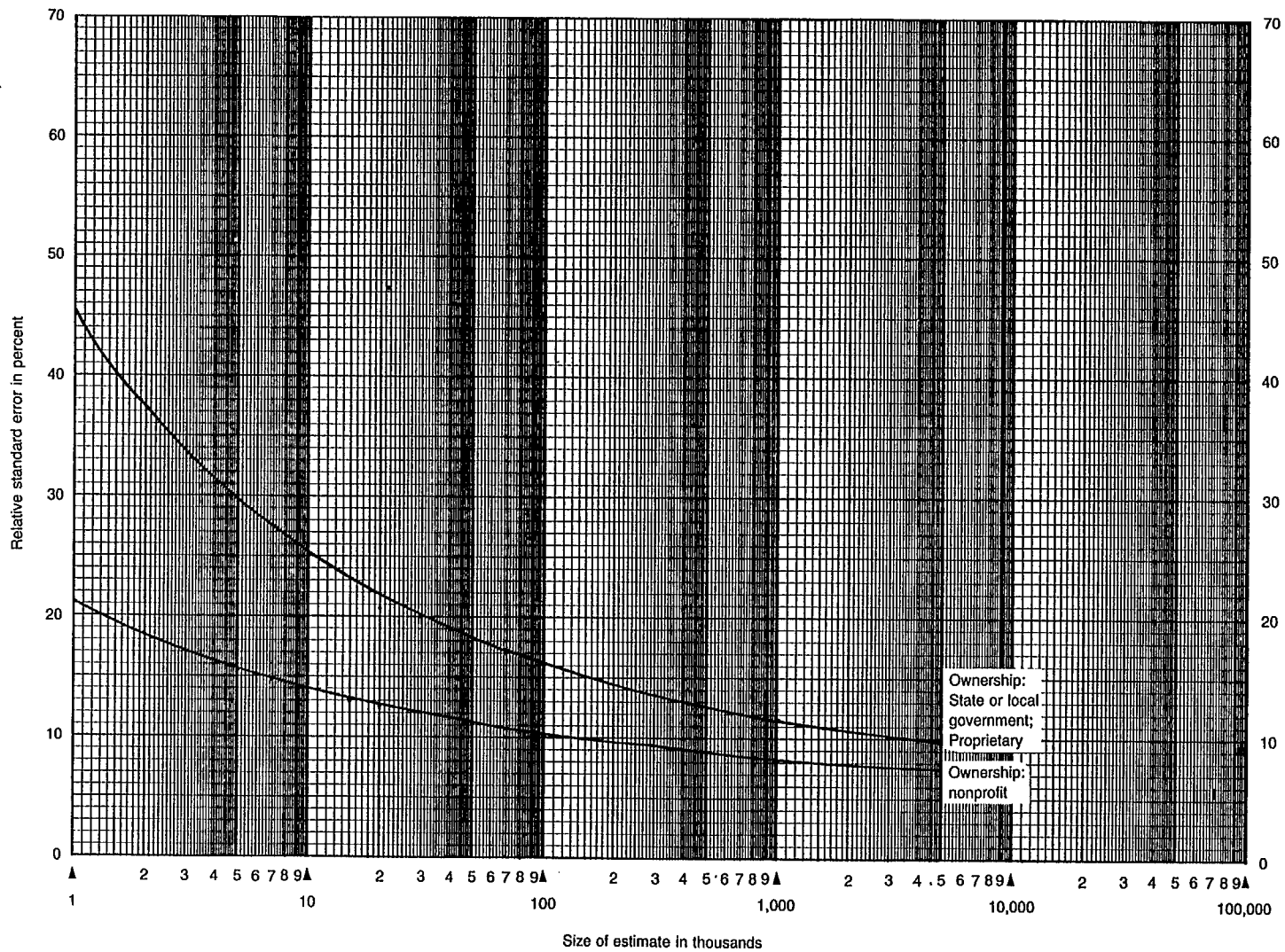
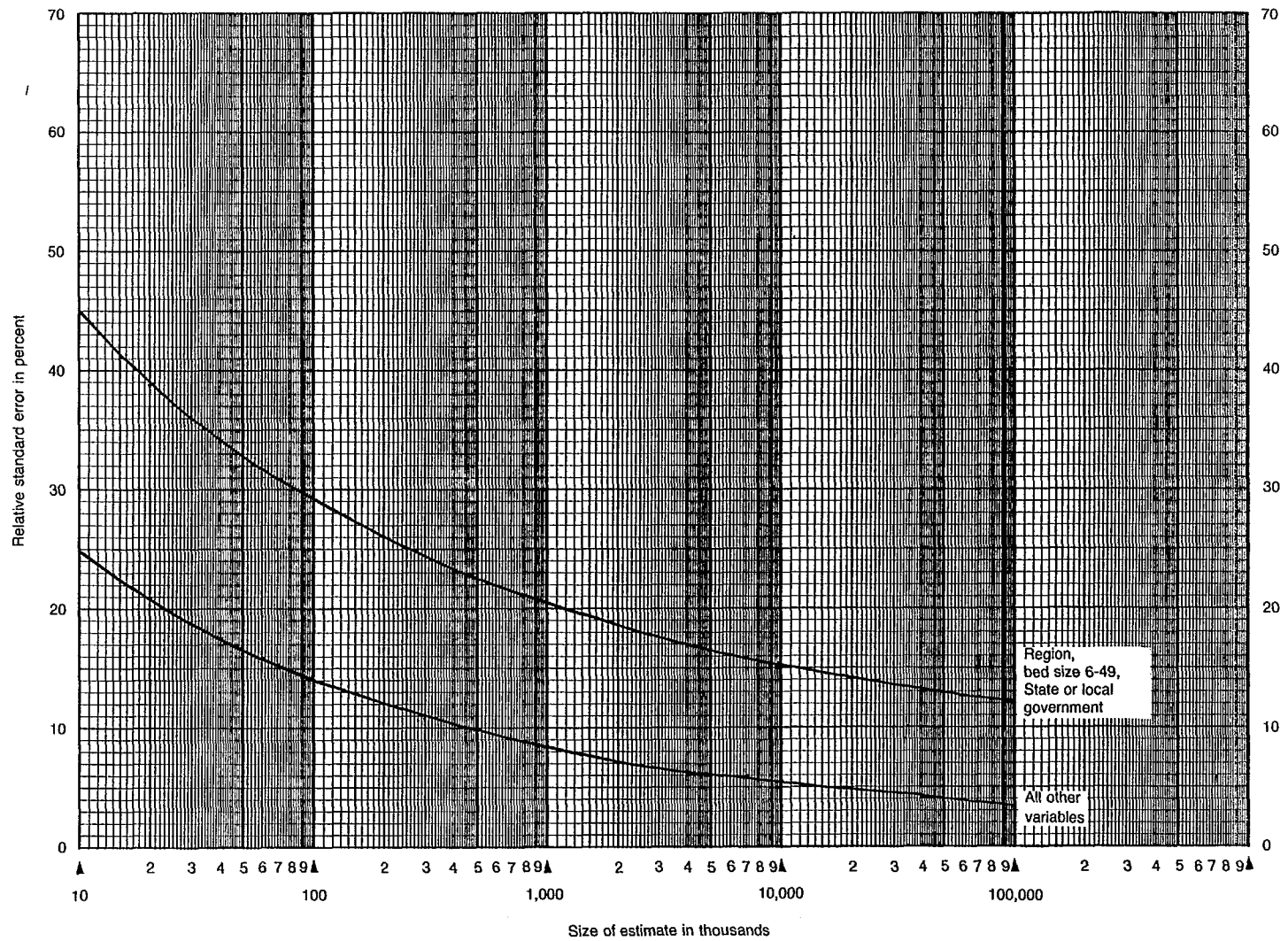
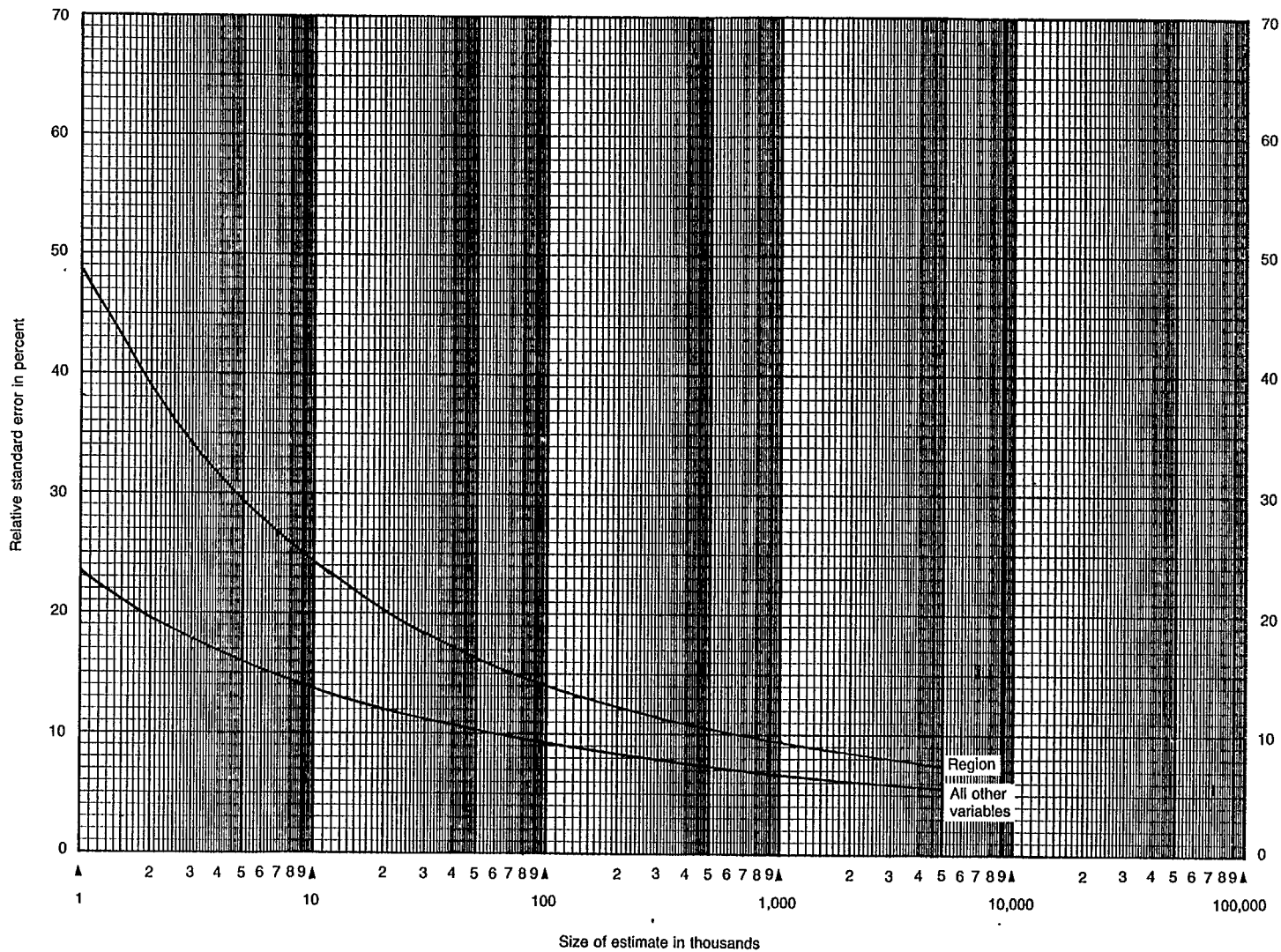


Figure II. Approximate relative standard errors of estimated numbers of patients discharged, or of first-listed diagnoses, and of all-listed diagnoses, by selected patient and hospital characteristics—Con.



EXAMPLE: As shown in table 2, an estimated 9,635,000 days of care were provided during 1982 to male patients under 15 years of age discharged from short-stay hospitals. The relative standard error of this estimate as read from the curve "All other variables" is approximately 6.2 percent. The standard error is thus approximately 529,925 (5.5 percent of 9,635,000).

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 243,000 open heart surgeries were performed during 1982 for all patients discharged from short-stay hospitals. The relative standard error of this estimate as read from the curve "All variables" is approximately 8.0 percent. The standard error is thus approximately 19,440 (8.0 percent of 243,000).

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

The presentation of estimates for the NHDS is based on both 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.

# Appendix II

## Definitions of certain terms used in this report

### Hospitals and hospital characteristics

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

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

lated 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.

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

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

### Terms relating to diagnoses

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

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

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

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

*Obstetrical diagnosis*—A diagnosis relating to conditions

arising from or affecting the management of pregnancy, childbirth, and the puerperium (the period following childbirth). These are code numbers 640–676 of the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD–9–CM).<sup>2</sup>

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

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

### Terms relating to surgical and nonsurgical procedures

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

*Procedure*—A procedure is one or more surgical or nonsurgical operations, 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 all but three Class 4 procedures.

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

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

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

03.31, 03.91–03.92, 04.80–04.89, 21.01, 24.7, 31.41–31.42, 34.91–34.92, 37.92–37.93, 42.22–42.23, 44.12–44.13, 45.12–45.13, 45.22–45.24, 48.22, 50.92, 54.91, 54.97–54.98, 57.31, 58.22, 59.95, 62.91, 66.8, 69.6–69.7, 69.93, 70.0, 73.01–73.1, 73.3, 73.51–73.59, 76.96, 81.91–81.92, 82.92–82.96, 83.94–83.98, 85.91–85.92, 86.01, 87.03–87.08, 87.13–87.15, 87.31–87.35, 87.38, 87.41–87.42, 87.51–87.52, 87.54–87.66, 87.71–

87.73, 87.75, 87.77–87.78, 87.81–87.84, 87.91, 87.93–87.94, 88.01–88.03, 88.12–88.15, 88.38, 88.71–88.89, 89.14, 89.21–89.25, 89.32, 89.41–89.44, 89.54, 89.61–89.65, 89.8, 92.01–92.29, 93.45–93.54, 93.56–93.59, 93.92–93.93, 93.95, 93.97, 94.24, 94.26–94.27, 95.04, 95.12–95.13, 95.16–95.26, 96.01–96.08, 96.21–96.25, 96.31–96.33, 97.11–97.13, 98.02–98.04, 98.14–98.16, 98.19, 99.01, 99.60–99.69, 99.81.

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

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

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

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

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

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

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.

NOTE: A list of references follows the text.



40.11, 41.31-41.33, 42.24, 44.14-44.15, 45.14-45.15, 45.25-45.27, 48.24-48.26, 49.22-49.23, 50.11-50.12, 51.12-51.13, 52.11-52.12, 54.22-54.23, 55.23-55.24, 56.32-56.33, 57.33-57.34, 58.23-58.24, 59.21, 60.11-60.15, 61.11, 62.11-62.12, 63.01, 64.11, 65.11-65.12, 66.11, 67.11-67.12, 68.13-68.14, 70.23-70.24, 71.11, 76.11, 77.40-77.49, 80.30-80.39, 83.21, 85.11-85.12, 86.11.

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

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

*Rate of procedures*—The ratio of the number of all-listed procedures during a year to the number of persons in the civilian 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 nonin-

stitutionalized population is the civilian population not residing in institutions.

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

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

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

Region	States included
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